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

Cover Page

Order ID : Q2202

Project ID : Con Ed Non MGP – Atlantic Ave 453957.600024.05

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number	Client Sample Number
Q2202-01	MW-9-20250603
Q2202-02	MW-11-20250603
Q2202-03	MW-12-20250603
Q2202-04	MW-130-20250603
Q2202-05	MW-1A-20250603
Q2202-06	TB-20250603

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: 6/13/2025

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2202**

	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: **MAHESH PATEL** **Date:** **06/13/2025**

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

LAB CHRONICLE

OrderID:	Q2202	**OrderDate:**	6/4/2025 11:59:00 AM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2202-03	**MW-12-20250603**	**Water**			**06/03/25**			**06/03/25**
			SVOCMS Group1	8270E		06/06/25	06/06/25	
Q2202-03DL	**MW-12-20250603DL**	**Water**			**06/03/25**			**06/03/25**
			SVOCMS Group1	8270E		06/06/25	06/10/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW-12-20250603									
Q2202-03	MW-12-20250603	WATER	Naphthalene		350.000	E	0.51	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	2-Methylnaphthalene		110.000	E	0.57	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	1,1-Biphenyl		33.500		0.54	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Acenaphthylene		3.600	J	0.77	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Acenaphthene		58.100		0.56	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Dibenzofuran		2.900	J	0.62	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Fluorene		26.300		0.64	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Phenanthrene		37.800		0.51	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Anthracene		7.800		0.62	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Carbazole		2.200	J	0.73	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Fluoranthene		2.100	J	0.84	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Pyrene		3.100	J	0.51	5.1	ug/L
			Total Svoc :		**637.40**				
Q2202-03	MW-12-20250603	WATER	Benzene, (1-methylethyl)-	*	45.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,2,3-trimethyl-	*	100.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,3-diethyl-	*	50.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,3-dimethyl-	*	130.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,4-diethyl-	*	46.400	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	35.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-2-methyl-	*	19.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-4-methyl-	*	77.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-methyl-4-propyl-	*	10.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 2-propenyl-	*	11.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, propyl-	*	50.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	2-Methylindene	*	9.300	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 1,5-dimethyl-	*	24.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 1-ethyl-	*	14.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 2,3-dimethyl-	*	23.600	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 2,7-dimethyl-	*	39.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Indane	*	220.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Mesitylene	*	160.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Phenanthrene, 2-methyl-	*	9.300	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	unknown7.928	*	9.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	1-Methylnaphthalene	*	260.000	J	0.67	5.1	ug/L
			Total Tics :		**1,346.30**				
			Total Concentration:		**1,983.70**				

Client ID : MW-12-20250603DL

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

Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2202-03DL	MW-12-20250603DL	WATER	Naphthalene	770.000	D	5.1	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	2-Methylnaphthalene	160.000	D	5.7	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	1,1-Biphenyl	42.600	JD	5.4	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Acenaphthene	87.300	D	5.6	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Fluorene	31.900	JD	6.4	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Phenanthrene	50.900	JD	5.1	51	ug/L
			Total Svoc :	**1,142.70**				
			Total Concentration:	**1,142.70**				

QC
SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168323BL	PB168323BL	2-Fluorophenol	150	146	97		23	138
		Phenol-d6	150	137	92		10	134
		Nitrobenzene-d5	100	85.2	85		67	132
		2-Fluorobiphenyl	100	84.3	84		52	132
		2,4,6-Tribromophenol	150	143	95		44	137
		Terphenyl-d14	100	90.1	90		42	152
PB168323BS	PB168323BS	2-Fluorophenol	150	143	95		23	138
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	79.4	79		67	132
		2-Fluorobiphenyl	100	77.9	78		52	132
		2,4,6-Tribromophenol	150	131	88		44	137
		Terphenyl-d14	100	79.2	79		42	152
Q2202-03	MW-12-20250603	2-Fluorophenol	150	71.9	48		23	138
		Phenol-d6	150	49.9	33		10	134
		Nitrobenzene-d5	100	75.4	75		67	132
		2-Fluorobiphenyl	100	70.3	70		52	132
		2,4,6-Tribromophenol	150	121	80		44	137
		Terphenyl-d14	100	64.6	65		42	152
Q2202-03DL	MW-12-20250603DL	2-Fluorophenol	150	101	67		23	138
		Phenol-d6	150	56.9	38		10	134
		Nitrobenzene-d5	100	93.2	93		67	132
		2-Fluorobiphenyl	100	98.7	99		52	132
		2,4,6-Tribromophenol	150	149	99		44	137
		Terphenyl-d14	100	106	106		42	152
Q2230-03MS	GW-MW01-060425MS	2-Fluorophenol	150	79.2	53		23	138
		Phenol-d6	150	50.7	34		10	134
		Nitrobenzene-d5	100	90.5	91		67	132
		2-Fluorobiphenyl	100	85.6	86		52	132
		2,4,6-Tribromophenol	150	162	108		44	137
		Terphenyl-d14	100	80.4	80		42	152
Q2230-04MSD	GW-MW01-060425MSD	2-Fluorophenol	150	74.2	49		23	138
		Phenol-d6	150	46.3	31		10	134
		Nitrobenzene-d5	100	88.0	88		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	89.3	89		42	152

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering 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: Q2230-03MS		**Client Sample ID: GW-MW01-060425MS**						**DataFile: BP024879.D**			
Benzaldehyde	52.1	0	39.6	ug/L	76				10	137	
Phenol	52.1	0	19.1	ug/L	37				10	130	
bis(2-Chloroethyl)ether	52.1	0	51.3	ug/L	98				29	141	
2-Chlorophenol	52.1	0	45.5	ug/L	87				23	127	
2-Methylphenol	52.1	0	38.6	ug/L	74				60	131	
2,2-oxybis(1-Chloropropane)	52.1	0	44.9	ug/L	86				36	141	
Acetophenone	52.1	0	55.9	ug/L	107				31	164	
3+4-Methylphenols	52.1	4.40	41.2	ug/L	71				54	136	
N-Nitroso-di-n-propylamine	52.1	0	50.4	ug/L	97				36	147	
Hexachloroethane	52.1	0	24.9	ug/L	48				19	146	
Nitrobenzene	52.1	0	54.9	ug/L	105				62	112	
Isophorone	52.1	0	51.6	ug/L	99				39	146	
2-Nitrophenol	52.1	0	52.7	ug/L	101				30	148	
2,4-Dimethylphenol	52.1	0	48.2	ug/L	93				17	143	
bis(2-Chloroethoxy)methane	52.1	0	52.2	ug/L	100				39	143	
2,4-Dichlorophenol	52.1	0	53.0	ug/L	102				22	146	
Naphthalene	52.1	2.20	42.7	ug/L	78				17	157	
4-Chloroaniline	52.1	0	31.4	ug/L	60				10	95	
Hexachlorobutadiene	52.1	0	28.9	ug/L	55				52	125	
Caprolactam	52.1	0	11.7	ug/L	22				10	130	
4-Chloro-3-methylphenol	52.1	0	50.6	ug/L	97				17	148	
2-Methylnaphthalene	52.1	0	48.7	ug/L	93				38	146	
Hexachlorocyclopentadiene	100	0	62.8	ug/L	63				20	153	
2,4,6-Trichlorophenol	52.1	0	55.7	ug/L	107				78	112	
2,4,5-Trichlorophenol	52.1	0	57.9	ug/L	111				71	111	
1,1-Biphenyl	52.1	0	50.2	ug/L	96				38	154	
2-Chloronaphthalene	52.1	0	48.7	ug/L	93				41	145	
2-Nitroaniline	52.1	0	51.3	ug/L	98				39	151	
Dimethylphthalate	52.1	0	54.0	ug/L	104				42	147	
Acenaphthylene	52.1	0	50.7	ug/L	97				40	141	
2,6-Dinitrotoluene	52.1	0	56.1	ug/L	108				43	148	
3-Nitroaniline	52.1	0	33.9	ug/L	65				10	111	
Acenaphthene	52.1	0	52.1	ug/L	100				37	146	
2,4-Dinitrophenol	100	0	100	ug/L	100				14	167	
4-Nitrophenol	100	0	48.3	ug/L	48				10	130	
Dibenzofuran	52.1	0	52.6	ug/L	101				41	145	
2,4-Dinitrotoluene	52.1	0	60.2	ug/L	116				74	137	
Diethylphthalate	52.1	0	56.7	ug/L	109				41	148	
4-Chlorophenyl-phenylether	52.1	0	53.6	ug/L	103				38	149	
Fluorene	52.1	0	53.8	ug/L	103				39	144	
4-Nitroaniline	52.1	0	47.0	ug/L	90				27	138	
4,6-Dinitro-2-methylphenol	52.1	0	53.6	ug/L	103				32	175	
N-Nitrosodiphenylamine	52.1	0	52.4	ug/L	101				40	150	
4-Bromophenyl-phenylether	52.1	0	53.0	ug/L	102				42	151	
Hexachlorobenzene	52.1	0	53.4	ug/L	102				72	115	
Atrazine	52.1	0	57.8	ug/L	111				20	162	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering 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	100	0	140	ug/L	140				52	162	
Phenanthrene	52.1	0	53.7	ug/L	103				40	147	
Anthracene	52.1	0	53.8	ug/L	103				41	146	
Carbazole	52.1	0	57.9	ug/L	111				37	154	
Di-n-butylphthalate	52.1	0	58.4	ug/L	112				40	151	
Fluoranthene	52.1	0	57.7	ug/L	111				42	146	
Pyrene	52.1	0	51.4	ug/L	99				41	149	
Butylbenzylphthalate	52.1	0	56.8	ug/L	109				39	155	
3,3-Dichlorobenzidine	52.1	0	19.1	ug/L	37				10	114	
Benzo(a)anthracene	52.1	0	54.6	ug/L	105				41	147	
Chrysene	52.1	0	53.4	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	52.1	0	57.3	ug/L	110				33	160	
Di-n-octyl phthalate	52.1	0	58.4	ug/L	112				36	158	
Benzo(b)fluoranthene	52.1	0	56.2	ug/L	108				40	150	
Benzo(k)fluoranthene	52.1	0	53.1	ug/L	102				40	147	
Benzo(a)pyrene	52.1	0	54.1	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	52.1	0	56.3	ug/L	108				30	166	
Dibenz(a,h)anthracene	52.1	0	57.5	ug/L	110				23	172	
Benzo(g,h,i)perylene	52.1	0	56.4	ug/L	108				27	167	
1,2,4,5-Tetrachlorobenzene	52.1	0	46.6	ug/L	89				89	102	
1,4-Dioxane	52.1	0	18.1	ug/L	35	*			38	130	
2,3,4,6-Tetrachlorophenol	52.1	0	57.7	ug/L	111				91	111	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering 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: Q2230-04MSD		**Client Sample ID: GW-MW01-060425MSD**						**DataFile: BP024880.D**			
Benzaldehyde	53.2	0	38.8	ug/L	73		4		10	137	20
Phenol	53.2	0	18.1	ug/L	34		8		10	130	20
bis(2-Chloroethyl)ether	53.2	0	50.2	ug/L	94		4		29	141	20
2-Chlorophenol	53.2	0	43.6	ug/L	82		6		23	127	20
2-Methylphenol	53.2	0	37.0	ug/L	70		6		60	131	20
2,2-oxybis(1-Chloropropane)	53.2	0	44.5	ug/L	84		2		36	141	20
Acetophenone	53.2	0	55.5	ug/L	104		3		31	164	20
3+4-Methylphenols	53.2	4.40	38.5	ug/L	64		10		54	136	20
N-Nitroso-di-n-propylamine	53.2	0	48.1	ug/L	90		7		36	147	20
Hexachloroethane	53.2	0	24.9	ug/L	47		2		19	146	20
Nitrobenzene	53.2	0	54.8	ug/L	103		2		62	112	20
Isophorone	53.2	0	51.1	ug/L	96		3		39	146	20
2-Nitrophenol	53.2	0	52.9	ug/L	99		2		30	148	20
2,4-Dimethylphenol	53.2	0	46.9	ug/L	88		6		17	143	20
bis(2-Chloroethoxy)methane	53.2	0	52.7	ug/L	99		1		39	143	20
2,4-Dichlorophenol	53.2	0	51.8	ug/L	97		5		22	146	20
Naphthalene	53.2	2.20	42.1	ug/L	75		4		17	157	20
4-Chloroaniline	53.2	0	28.9	ug/L	54		11		10	95	20
Hexachlorobutadiene	53.2	0	30.1	ug/L	57		4		52	125	20
Caprolactam	53.2	0	10.8	ug/L	20		10		10	130	20
4-Chloro-3-methylphenol	53.2	0	48.9	ug/L	92		5		17	148	20
2-Methylnaphthalene	53.2	0	48.6	ug/L	91		2		38	146	20
Hexachlorocyclopentadiene	110	0	70.7	ug/L	64		2		20	153	20
2,4,6-Trichlorophenol	53.2	0	56.6	ug/L	106		1		78	112	20
2,4,5-Trichlorophenol	53.2	0	57.7	ug/L	108		3		71	111	20
1,1-Biphenyl	53.2	0	52.0	ug/L	98		2		38	154	20
2-Chloronaphthalene	53.2	0	50.5	ug/L	95		2		41	145	20
2-Nitroaniline	53.2	0	49.4	ug/L	93		5		39	151	20
Dimethylphthalate	53.2	0	53.9	ug/L	101		3		42	147	20
Acenaphthylene	53.2	0	51.1	ug/L	96		1		40	141	20
2,6-Dinitrotoluene	53.2	0	55.7	ug/L	105		3		43	148	20
3-Nitroaniline	53.2	0	32.5	ug/L	61		6		10	111	20
Acenaphthene	53.2	0	52.7	ug/L	99		1		37	146	20
2,4-Dinitrophenol	110	0	110	ug/L	100		0		14	167	20
4-Nitrophenol	110	0	45.5	ug/L	41		16		10	130	20
Dibenzofuran	53.2	0	52.6	ug/L	99		2		41	145	20
2,4-Dinitrotoluene	53.2	0	57.4	ug/L	108		7		74	137	20
Diethylphthalate	53.2	0	56.7	ug/L	107		2		41	148	20
4-Chlorophenyl-phenylether	53.2	0	54.1	ug/L	102		1		38	149	20
Fluorene	53.2	0	53.9	ug/L	101		2		39	144	20
4-Nitroaniline	53.2	0	44.3	ug/L	83		8		27	138	20
4,6-Dinitro-2-methylphenol	53.2	0	56.0	ug/L	105		2		32	175	20
N-Nitrosodiphenylamine	53.2	0	53.2	ug/L	100		1		40	150	20
4-Bromophenyl-phenylether	53.2	0	56.8	ug/L	107		5		42	151	20
Hexachlorobenzene	53.2	0	55.5	ug/L	104		2		72	115	20
Atrazine	53.2	0	57.4	ug/L	108		3		20	162	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering 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	110	0	140	ug/L	127		10		52	162	20
Phenanthrene	53.2	0	53.6	ug/L	101		2		40	147	20
Anthracene	53.2	0	53.0	ug/L	100		3		41	146	20
Carbazole	53.2	0	54.8	ug/L	103		7		37	154	20
Di-n-butylphthalate	53.2	0	59.9	ug/L	113		1		40	151	20
Fluoranthene	53.2	0	54.9	ug/L	103		7		42	146	20
Pyrene	53.2	0	56.8	ug/L	107		8		41	149	20
Butylbenzylphthalate	53.2	0	63.2	ug/L	119		9		39	155	20
3,3-Dichlorobenzidine	53.2	0	18.2	ug/L	34		8		10	114	20
Benzo(a)anthracene	53.2	0	55.1	ug/L	104		1		41	147	20
Chrysene	53.2	0	54.7	ug/L	103		1		44	144	20
bis(2-Ethylhexyl)phthalate	53.2	0	66.5	ug/L	125		13		33	160	20
Di-n-octyl phthalate	53.2	0	64.9	ug/L	122		9		36	158	20
Benzo(b)fluoranthene	53.2	0	56.0	ug/L	105		3		40	150	20
Benzo(k)fluoranthene	53.2	0	55.1	ug/L	104		2		40	147	20
Benzo(a)pyrene	53.2	0	54.8	ug/L	103		1		42	147	20
Indeno(1,2,3-cd)pyrene	53.2	0	55.3	ug/L	104		4		30	166	20
Dibenz(a,h)anthracene	53.2	0	55.8	ug/L	105		5		23	172	20
Benzo(g,h,i)perylene	53.2	0	54.4	ug/L	102		6		27	167	20
1,2,4,5-Tetrachlorobenzene	53.2	0	48.8	ug/L	92		3		89	102	20
1,4-Dioxane	53.2	0	19.4	ug/L	36	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	53.2	0	57.1	ug/L	107		4		91	111	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Benzaldehyde	50	36.0	ug/L	72				10	162	
	Phenol	50	49.0	ug/L	98				66	118	
	bis(2-Chloroethyl)ether	50	44.9	ug/L	90				62	103	
	2-Chlorophenol	50	48.7	ug/L	97				70	117	
	2-Methylphenol	50	47.4	ug/L	95				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.1	ug/L	86				65	100	
	Acetophenone	50	45.2	ug/L	90				60	104	
	3+4-Methylphenols	50	46.7	ug/L	93				67	106	
	N-Nitroso-di-n-propylamine	50	41.9	ug/L	84				57	107	
	Hexachloroethane	50	43.8	ug/L	88				76	118	
	Nitrobenzene	50	46.3	ug/L	93				58	106	
	Isophorone	50	43.2	ug/L	86				61	102	
	2-Nitrophenol	50	47.3	ug/L	95				70	115	
	2,4-Dimethylphenol	50	48.1	ug/L	96				42	142	
	bis(2-Chloroethoxy)methane	50	45.2	ug/L	90				58	109	
	2,4-Dichlorophenol	50	49.3	ug/L	99				66	115	
	Naphthalene	50	45.3	ug/L	91				64	107	
	4-Chloroaniline	50	20.3	ug/L	41				10	85	
	Hexachlorobutadiene	50	44.9	ug/L	90				69	101	
	Caprolactam	50	45.7	ug/L	91				58	128	
	4-Chloro-3-methylphenol	50	47.3	ug/L	95				65	114	
	2-Methylnaphthalene	50	45.0	ug/L	90				64	107	
	Hexachlorocyclopentadiene	100	100	ug/L	100				36	160	
	2,4,6-Trichlorophenol	50	48.2	ug/L	96				61	110	
	2,4,5-Trichlorophenol	50	49.6	ug/L	99				70	106	
	1,1-Biphenyl	50	45.8	ug/L	92				72	98	
	2-Chloronaphthalene	50	46.2	ug/L	92				59	106	
	2-Nitroaniline	50	48.3	ug/L	97				73	114	
	Dimethylphthalate	50	44.8	ug/L	90				64	103	
	Acenaphthylene	50	45.5	ug/L	91				79	103	
	2,6-Dinitrotoluene	50	46.2	ug/L	92				64	110	
	3-Nitroaniline	50	25.9	ug/L	52				28	100	
	Acenaphthene	50	45.2	ug/L	90				59	113	
	2,4-Dinitrophenol	100	90.6	ug/L	91				36	166	
	4-Nitrophenol	100	91.4	ug/L	91				45	147	
	Dibenzofuran	50	44.3	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	47.0	ug/L	94				60	115	
	Diethylphthalate	50	44.3	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88				61	104	
	Fluorene	50	44.7	ug/L	89				64	107	
	4-Nitroaniline	50	45.1	ug/L	90				55	125	
	4,6-Dinitro-2-methylphenol	50	48.5	ug/L	97				62	132	
	N-Nitrosodiphenylamine	50	46.8	ug/L	94				61	109	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				73	103	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Hexachlorobenzene	50	45.6	ug/L	91				73	106	
	Atrazine	50	46.7	ug/L	93				76	120	
	Pentachlorophenol	100	110	ug/L	110				47	114	
	Phenanthrene	50	45.8	ug/L	92				62	109	
	Anthracene	50	46.0	ug/L	92				65	110	
	Carbazole	50	47.4	ug/L	95				62	106	
	Di-n-butylphthalate	50	46.1	ug/L	92				64	106	
	Fluoranthene	50	45.9	ug/L	92				64	110	
	Pyrene	50	46.2	ug/L	92				71	103	
	Butylbenzylphthalate	50	46.4	ug/L	93				61	105	
	3,3-Dichlorobenzidine	50	26.4	ug/L	53				43	108	
	Benzo(a)anthracene	50	46.6	ug/L	93				62	107	
	Chrysene	50	46.4	ug/L	93				61	108	
	bis(2-Ethylhexyl)phthalate	50	47.5	ug/L	95				59	110	
	Di-n-octyl phthalate	50	48.1	ug/L	96				52	139	
	Benzo(b)fluoranthene	50	47.3	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	47.5	ug/L	95				77	105	
	Benzo(a)pyrene	50	47.7	ug/L	95				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.4	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.6	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.1	ug/L	92				72	101	
	1,4-Dioxane	50	36.2	ug/L	72				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				63	116	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168323BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024872.D Lab Sample ID: PB168323BL

Instrument ID: BNA_P Date Extracted: 06/06/2025

Matrix: (soil/water) Water Date Analyzed: 06/09/2025

Level: (low/med) LOW Time Analyzed: 11:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168323BS	PB168323BS	BP024873.D	06/09/2025
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025
MW-12-20250603	Q2202-03	BF142660.D	06/06/2025

COMMENTS:

Raw Data: **BF142465.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.9
275	10.0 - 60.0% of mass 198	22.3
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BF142639.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	40.9
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
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF142640.D	06/06/2025	11:36
MW-12-20250603	Q2202-03	BF142660.D	06/06/2025	22:01

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BM050193.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.3
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.4
443	15.0 - 24.0% of mass 442	14.8 (19.9) 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	BM050194.D	06/05/2025	09:20
SSTDICC005	SSTDICC005	BM050195.D	06/05/2025	09:59
SSTDICC010	SSTDICC010	BM050196.D	06/05/2025	10:38
SSTDICC020	SSTDICC020	BM050197.D	06/05/2025	11:17
SSTDICCC040	SSTDICCC040	BM050198.D	06/05/2025	11:57
SSTDICC050	SSTDICC050	BM050199.D	06/05/2025	12:36
SSTDICC060	SSTDICC060	BM050200.D	06/05/2025	13:16
SSTDICC080	SSTDICC080	BM050201.D	06/05/2025	13:56

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BM050261.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_M DFTPP Injection Time: 04:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	52.3
197	Less than 2.0% of mass 198	0.3
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	24.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	70.3
443	15.0 - 24.0% of mass 442	14.2 (20.2) 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	BM050262.D	06/10/2025	04:48
MW-12-20250603DL	Q2202-03DL	BM050274.D	06/10/2025	12:38

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
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	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.1 (19.2) 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	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024870.D DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.5 (19.2) 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	BP024871.D	06/09/2025	10:44
PB168323BL	PB168323BL	BP024872.D	06/09/2025	11:24
PB168323BS	PB168323BS	BP024873.D	06/09/2025	12:05
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025	16:14
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025	16:55

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	126582	6.893	487381	8.18	254808	9.94
	UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
	LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
	EPA SAMPLE NO.						
01	MW-12-20250603	126541	6.89	428600	8.19	250553	9.93

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	375492	11.428	207998	14.069	270482	15.563
	UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
	LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
	EPA SAMPLE NO.						
01	MW-12-20250603	375437	11.42	233261	14.06	275077	15.56

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BM050262.D Time Analyzed: 04:48

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	460715	7.763	1877130	10.55	1070950	14.40
	UPPER LIMIT	921430	8.263	3754260	11.051	2141900	14.898
	LOWER LIMIT	230358	7.263	938565	10.051	535475	13.898
	EPA SAMPLE NO.						
01	MW-12-20250603DL	334632	7.76	1355550	10.55	770915	14.39

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BM050262.D Time Analyzed: 04:48

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1957350	17.133	1968380	21.368	2090330	24.338
	UPPER LIMIT	3914700	17.633	3936760	21.868	4180660	24.838
	LOWER LIMIT	978675	16.633	984190	20.868	1045170	23.838
	EPA SAMPLE NO.						
01	MW-12-20250603DL	1509250	17.13	1638870	21.36	1724620	24.34

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	255229	7.608	1115940	10.38	722087	14.24
	UPPER LIMIT	510458	8.108	2231880	10.878	1444170	14.742
	LOWER LIMIT	127615	7.108	557970	9.878	361044	13.742
	EPA SAMPLE NO.						
01	PB168323BL	278652	7.61	1083870	10.38	655689	14.25
02	PB168323BS	251786	7.61	1016040	10.38	628283	14.25
03	GW-MW01-060425MS	226271	7.61	937705	10.37	608220	14.25
04	GW-MW01-060425MSD	335961	7.61	1346860	10.38	841053	14.25

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1406330	17.048	1456980	21.477	1778910	24.724
	UPPER LIMIT	2812660	17.548	2913960	21.977	3557820	25.224
	LOWER LIMIT	703165	16.548	728490	20.977	889455	24.224
	EPA SAMPLE NO.						
01	PB168323BL	1268480	17.07	1277130	21.49	1472670	24.73
02	PB168323BS	1189380	17.06	1268870	21.48	1547950	24.72
03	GW-MW01-060425MS	1235200	17.04	1490400	21.47	1839740	24.71
04	GW-MW01-060425MSD	1657670	17.04	1681540	21.48	1927040	24.73

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BF142660.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
108-95-2	Phenol	0.93	U	0.93	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	350	E	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	U	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	110	E	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	33.5		0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

Raw Data: **BF142660.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	3.60	J	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.94	U	0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	58.1		0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.10	U	6.10	10.2	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.2	ug/L
132-64-9	Dibenzofuran	2.90	J	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	26.3		0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.2	ug/L
85-01-8	Phenanthrene	37.8		0.51	5.10	ug/L
120-12-7	Anthracene	7.80		0.62	5.10	ug/L
86-74-8	Carbazole	2.20	J	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	2.10	J	0.84	5.10	ug/L
129-00-0	Pyrene	3.10	J	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	U	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	71.9		23 - 138	48%	SPK: 150
13127-88-3	Phenol-d6	49.9		10 - 134	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		52 - 132	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		42 - 152	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.892			
1146-65-2	Naphthalene-d8	429000	8.186			
15067-26-2	Acenaphthene-d10	251000	9.933			
1517-22-2	Phenanthrene-d10	375000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	275000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-38-3	Benzene, 1,3-dimethyl-	130	J		5.39	ug/L
000098-82-8	Benzene, (1-methylethyl)-	45.8	J		6.07	ug/L
000103-65-1	Benzene, propyl-	50.8	J		6.36	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	19.0	J		6.45	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	77.2	J		6.58	ug/L
000108-67-8	Mesitylene	160	J		6.72	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	100	J		6.95	ug/L

Raw Data: **BF142660.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000300-57-2	Benzene, 2-propenyl-	11.8	J		6.99	ug/L
000496-11-7	Indane	220	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	50.0	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	46.4	J		7.21	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	10.5	J		7.29	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	35.5	J		7.36	ug/L
	unknown7.928	9.50	J		7.93	ug/L
002177-47-1	2-Methylindene	9.30	J		7.97	ug/L
90-12-0	1-Methylnaphthalene	260	J		9.01	ug/L
001127-76-0	Naphthalene, 1-ethyl-	14.2	J		9.46	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	24.2	J		9.52	ug/L
000582-16-1	Naphthalene, 2,7-dimethyl-	39.2	J		9.59	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	23.6	J		9.71	ug/L
002531-84-2	Phenanthrene, 2-methyl-	9.30	J		11.9	ug/L

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\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Time: Jun 06 22:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

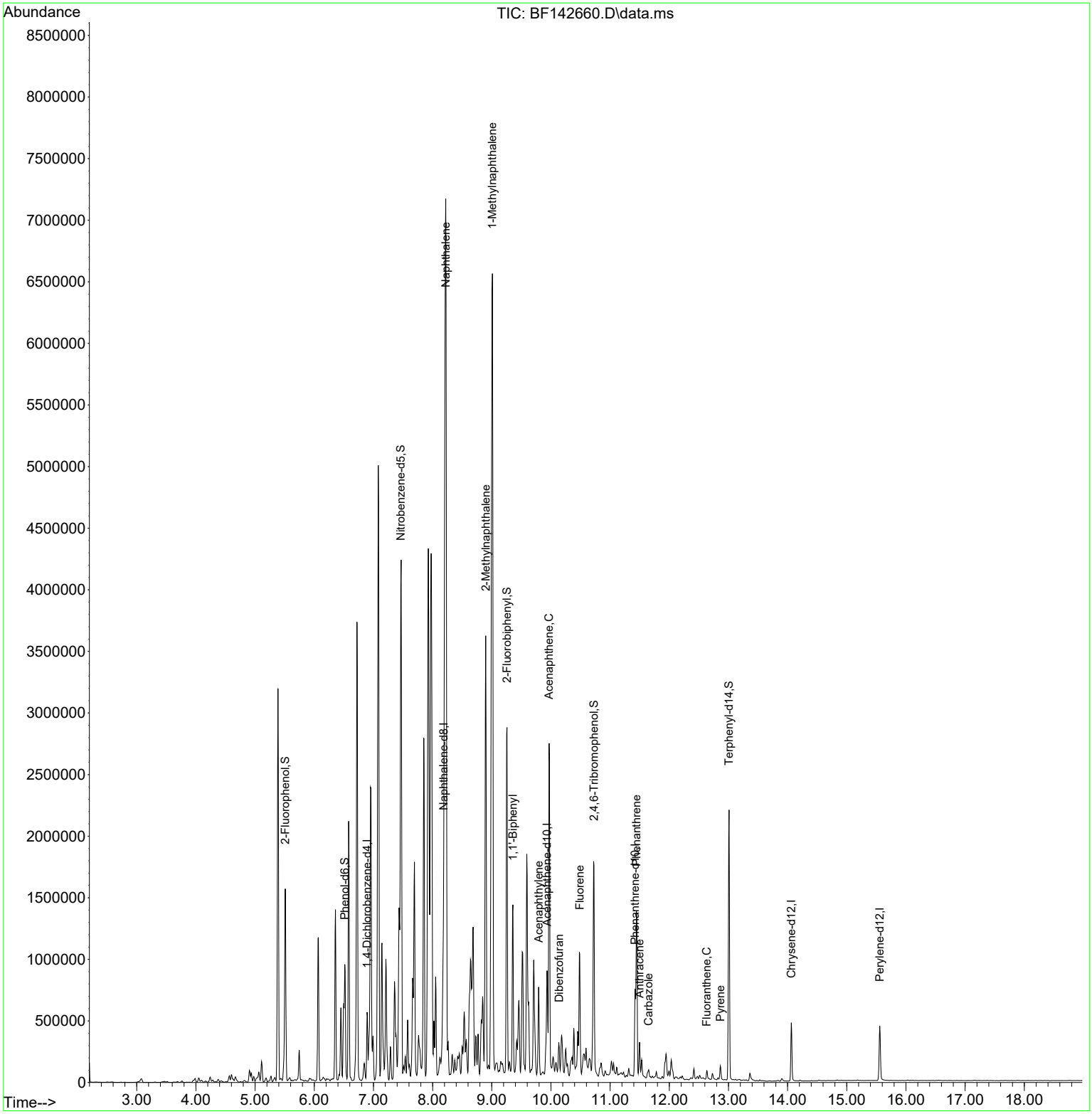
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	126541	20.000	ng		-0.01
21) Naphthalene-d8	8.186	136	428600	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	250553	20.000	ng		-0.01
64) Phenanthrene-d10	11.422	188	375437	20.000	ng		-0.01
76) Chrysene-d12	14.063	240	233261	20.000	ng		-0.01
86) Perylene-d12	15.557	264	275077	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	539724	71.858	ng		0.00
7) Phenol-d6	6.516	99	451300	49.915	ng		-0.02
23) Nitrobenzene-d5	7.463	82	592357	75.363	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	335241	120.555	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	1312400	70.287	ng		-0.01
79) Terphenyl-d14	13.010	244	1102040	64.562	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.222	128	7139432	338.297	ng		96
37) 2-Methylnaphthalene	8.898	142	1489214	112.165	ng		99
38) 1-Methylnaphthalene	9.010	142	3497504	254.671	ng		100
46) 1,1'-Biphenyl	9.357	154	637290	32.785	ng		99
49) Acenaphthylene	9.792	152	85248	3.515	ng	#	56
52) Acenaphthene	9.969	154	843693	56.975	ng		99
55) Dibenzofuran	10.139	168	61249	2.874	ng	#	94
58) Fluorene	10.486	166	424499	25.786	ng		99
71) Phenanthrene	11.445	178	743192	37.041	ng		100
72) Anthracene	11.498	178	157269	7.680	ng		99
73) Carbazole	11.651	167	37988	2.170	ng		98
75) Fluoranthene	12.633	202	38388	2.048	ng		99
78) Pyrene	12.863	202	66825	3.071	ng		98

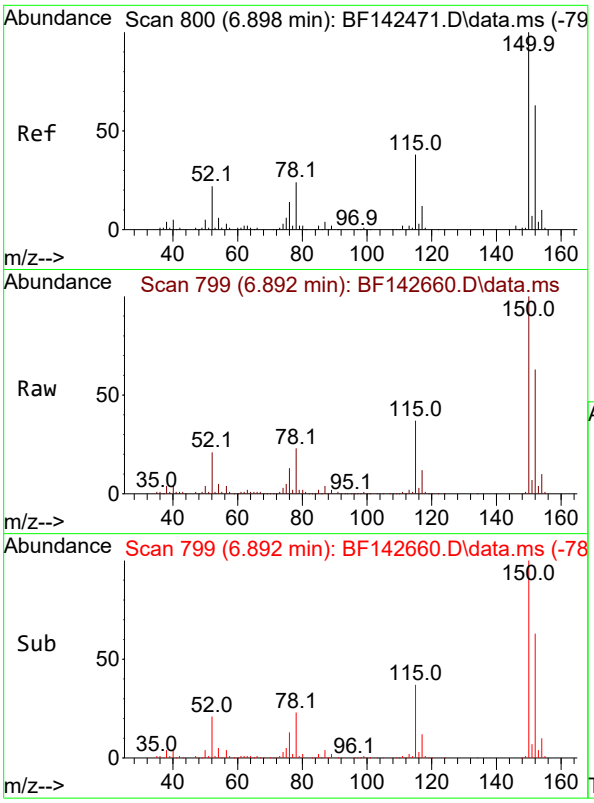
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Time: Jun 06 22:58:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



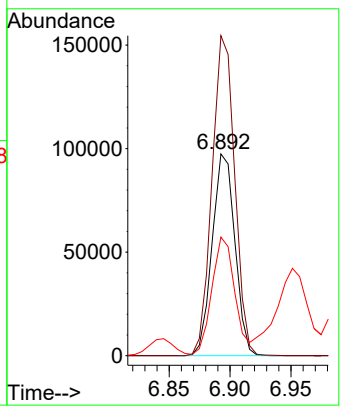


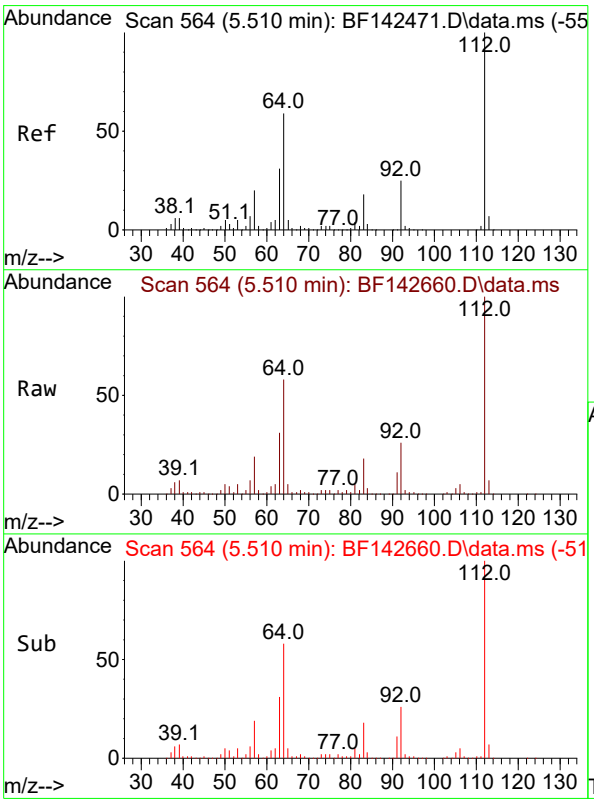
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:152 Resp: 126541

Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.2	192.4
115	58.8	48.3	72.5

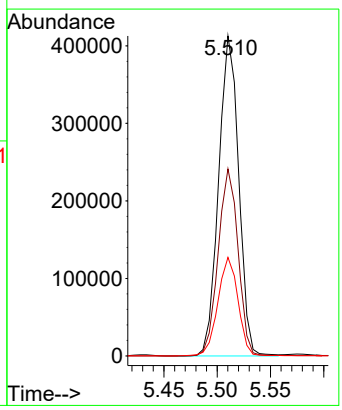


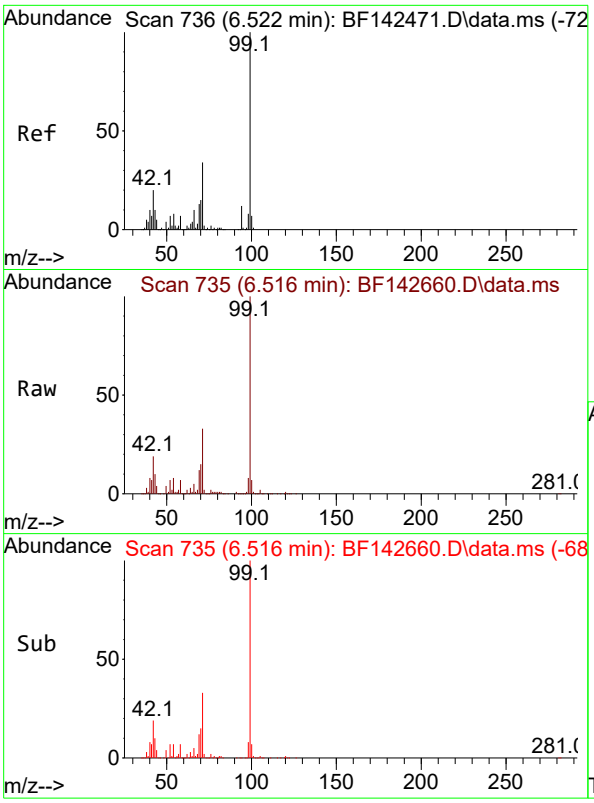


#5
2-Fluorophenol
Concen: 71.858 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:112 Resp: 539724

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.5	71.3
63	30.8	24.9	37.3



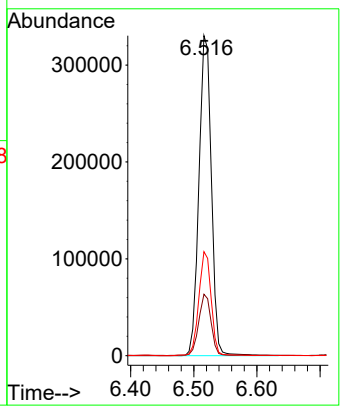


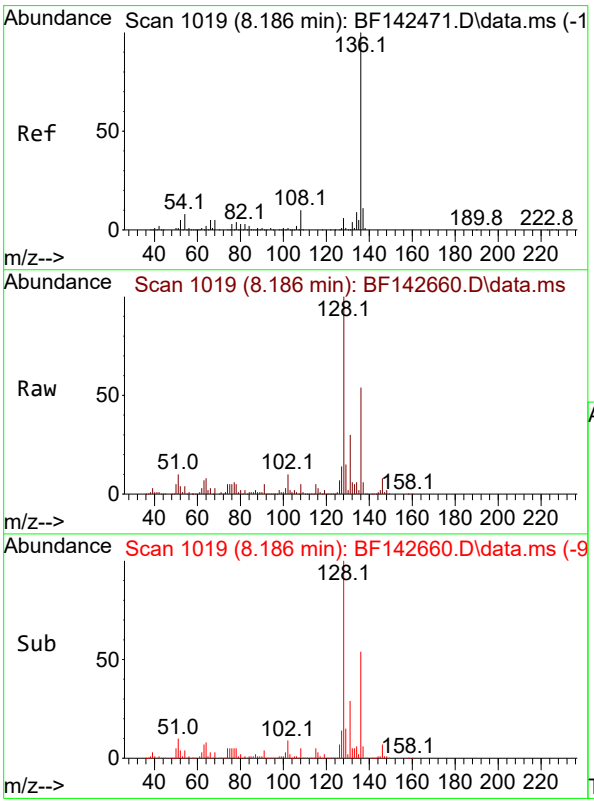
#7
Phenol-d6
Concen: 49.915 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion: 99 Resp: 451300

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	32.5	27.3	40.9

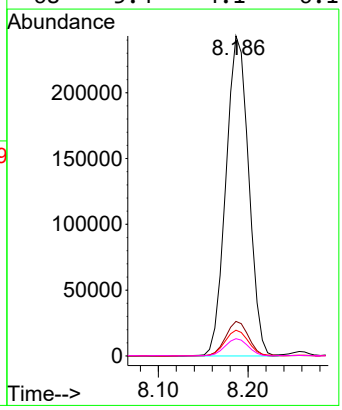


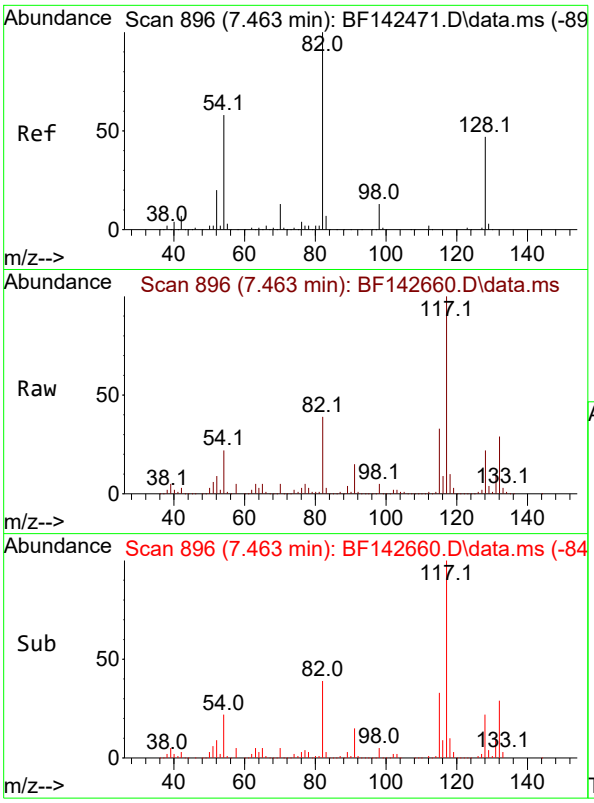


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:136 Resp: 428600

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.0	6.6	10.0
68	5.4	4.1	6.1



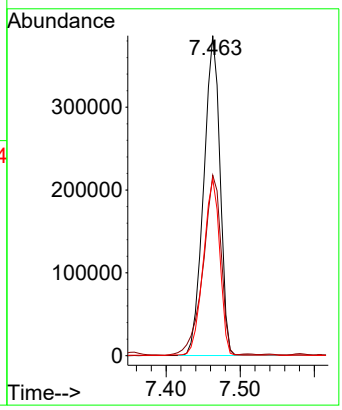


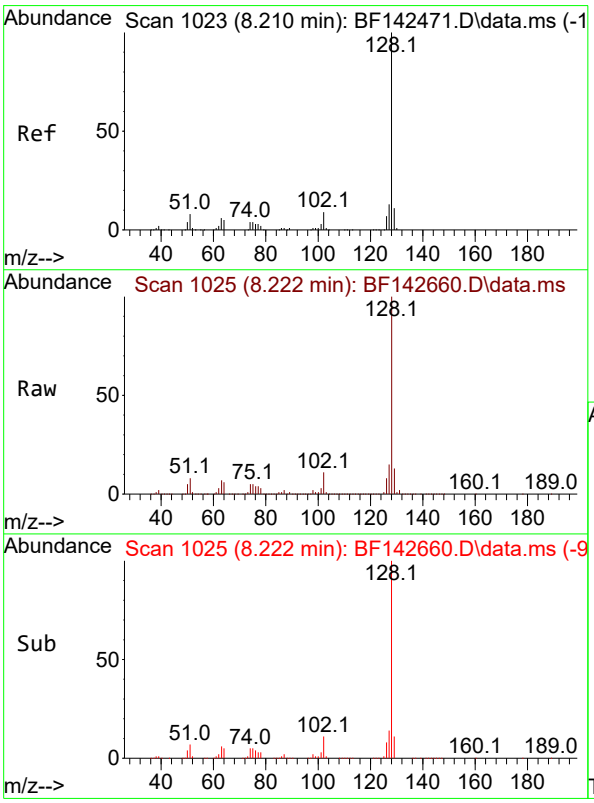
#23
Nitrobenzene-d5
Concen: 75.363 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion: 82 Resp: 592357

Ion	Ratio	Lower	Upper
82	100		
128	56.4	37.4	56.2#
54	55.3	46.6	70.0

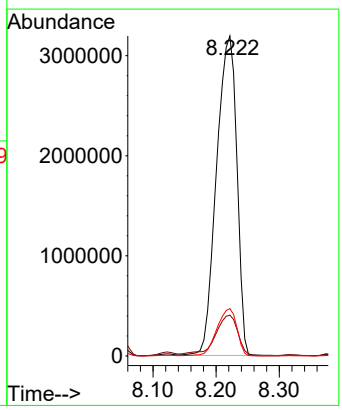


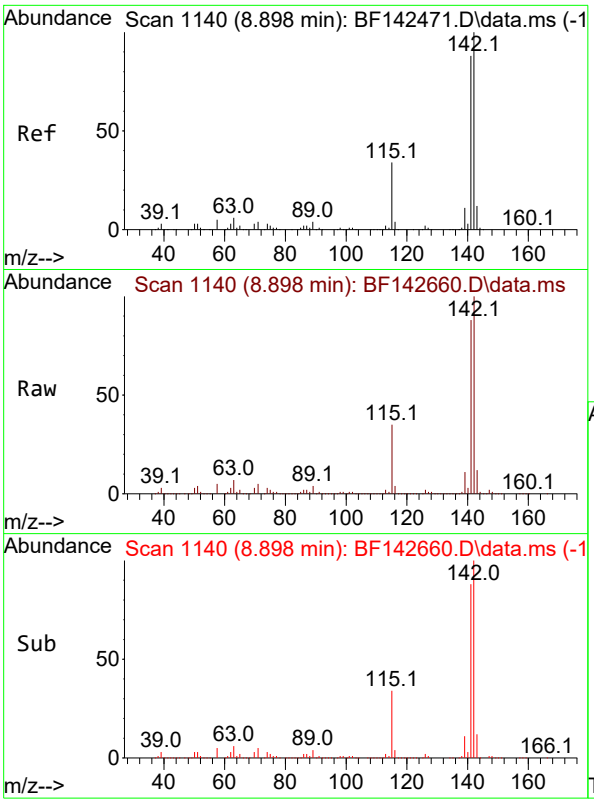


#31
Naphthalene
Concen: 338.297 ng
RT: 8.222 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:128 Resp: 7139432

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.9	13.3
127	14.8	10.5	15.7



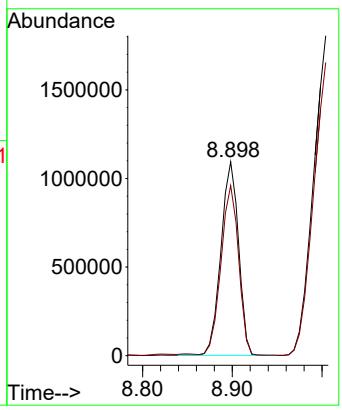


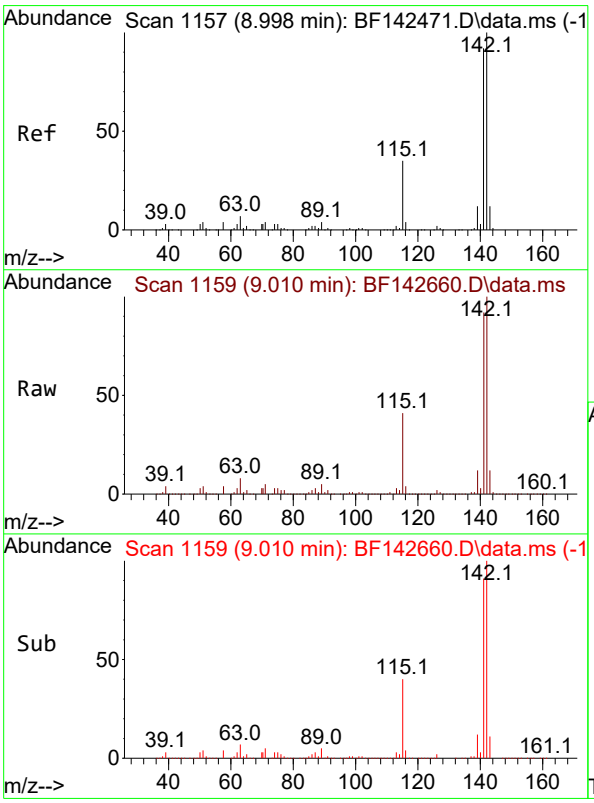
#37
2-Methylnaphthalene
Concen: 112.165 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:142 Resp: 1489214

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.7	106.1

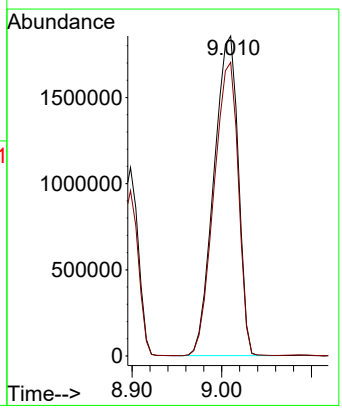


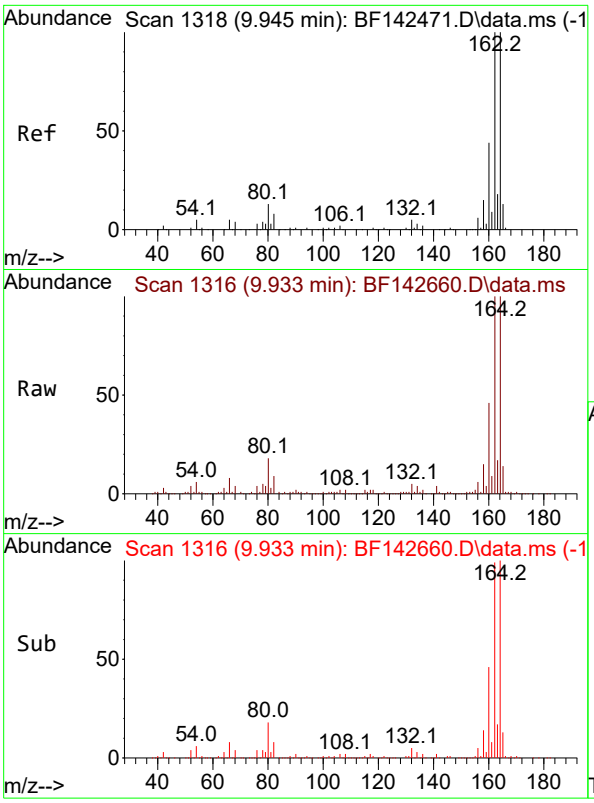


#38
1-Methylnaphthalene
Concen: 254.671 ng
RT: 9.010 min Scan# 1159
Delta R.T. 0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:142 Resp: 3497504

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2



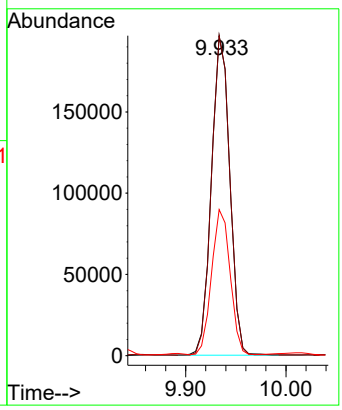


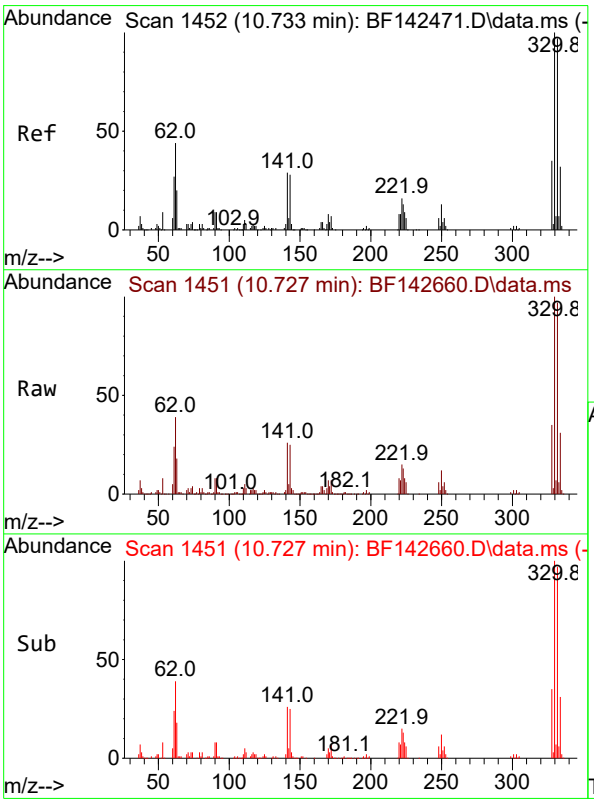
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:164 Resp: 250553

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.4
160	45.7	35.6	53.4

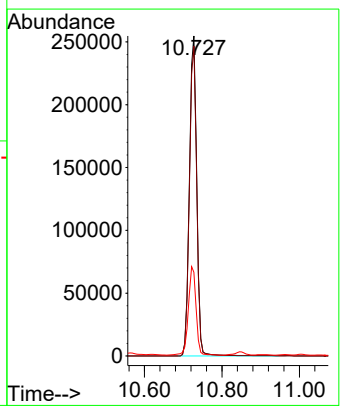


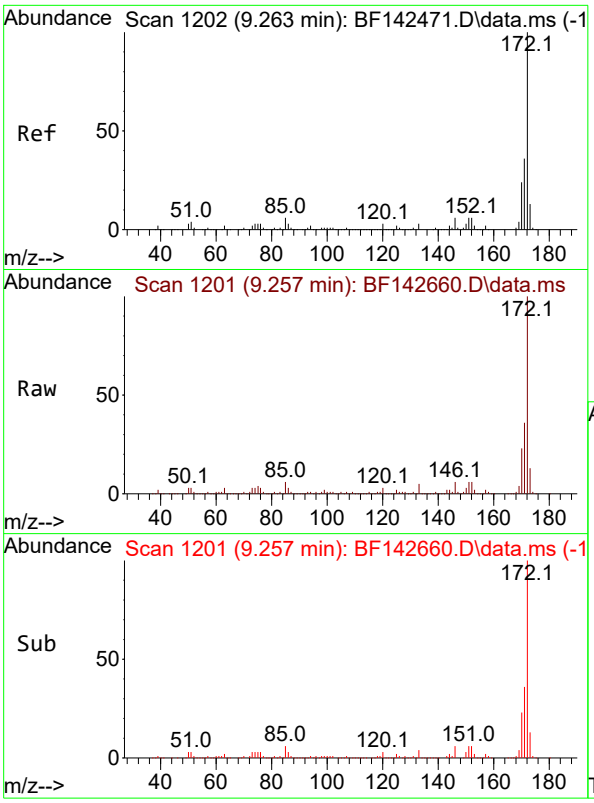


#42
2,4,6-Tribromophenol
Concen: 120.555 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:330 Resp: 335241

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	28.6	24.6	36.8



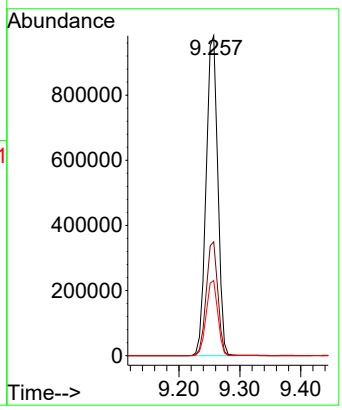


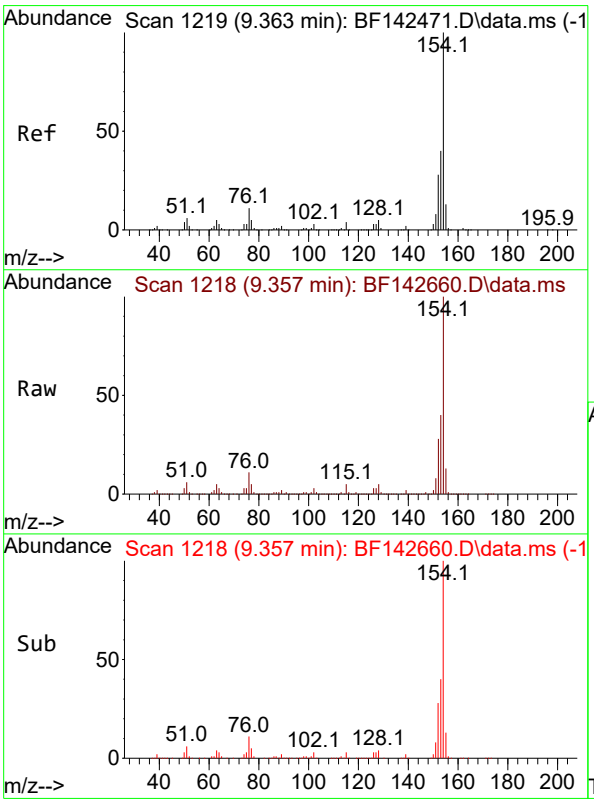
#45
2-Fluorobiphenyl
Concen: 70.287 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:172 Resp: 1312400

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.4	18.9	28.3

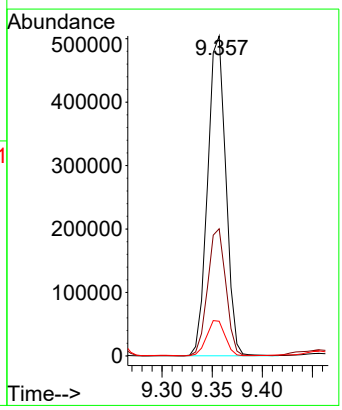


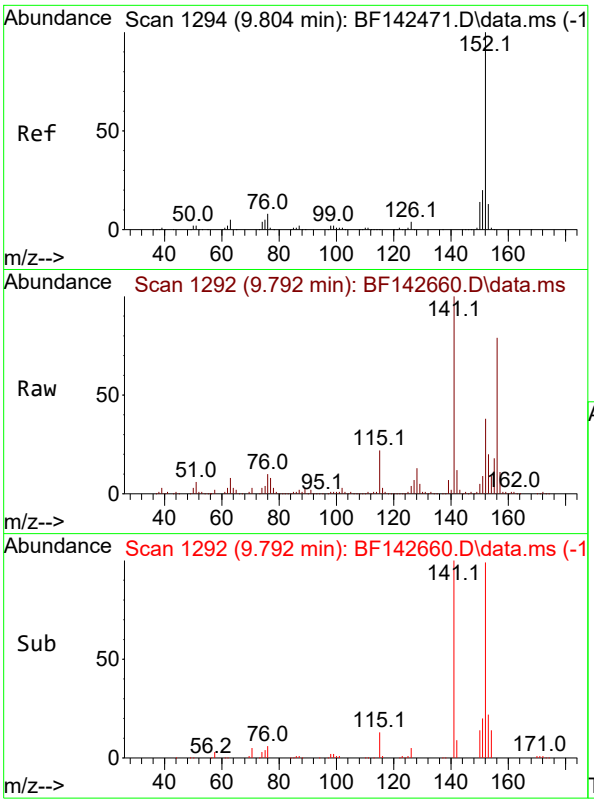


#46
1,1'-Biphenyl
Concen: 32.785 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:154 Resp: 637290

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.4	60.4
76	10.9	0.0	30.8



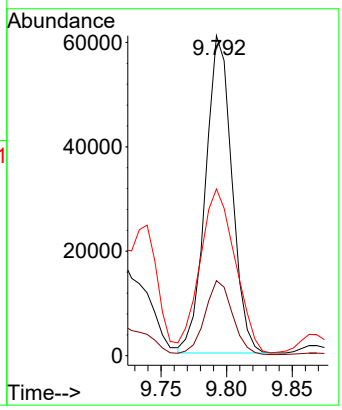


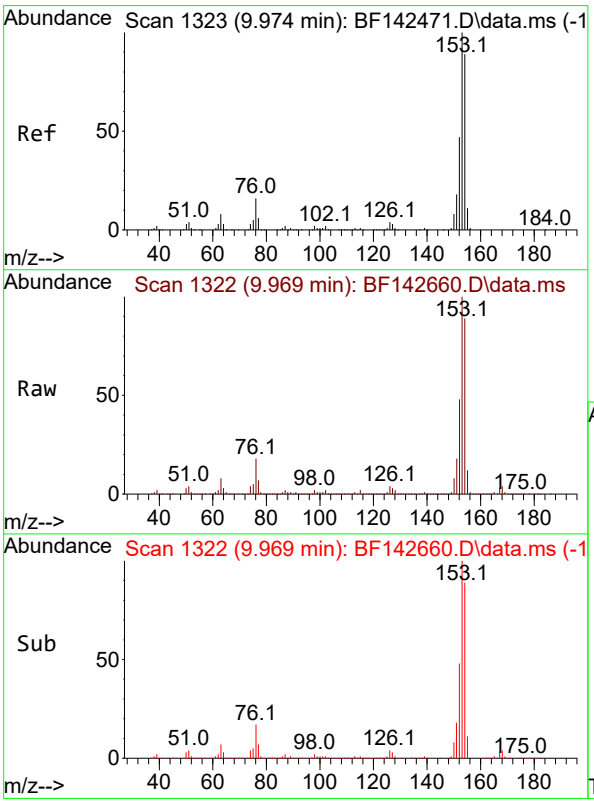
#49
Acenaphthylene
Concen: 3.515 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:152 Resp: 85248

Ion	Ratio	Lower	Upper
152	100		
151	23.5	15.8	23.8
153	52.1	10.6	15.8#

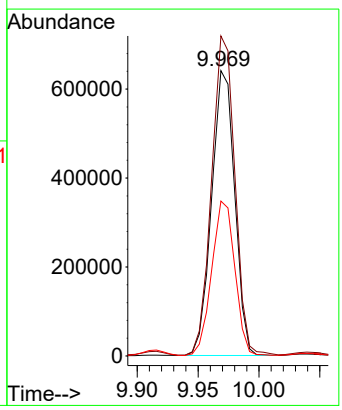


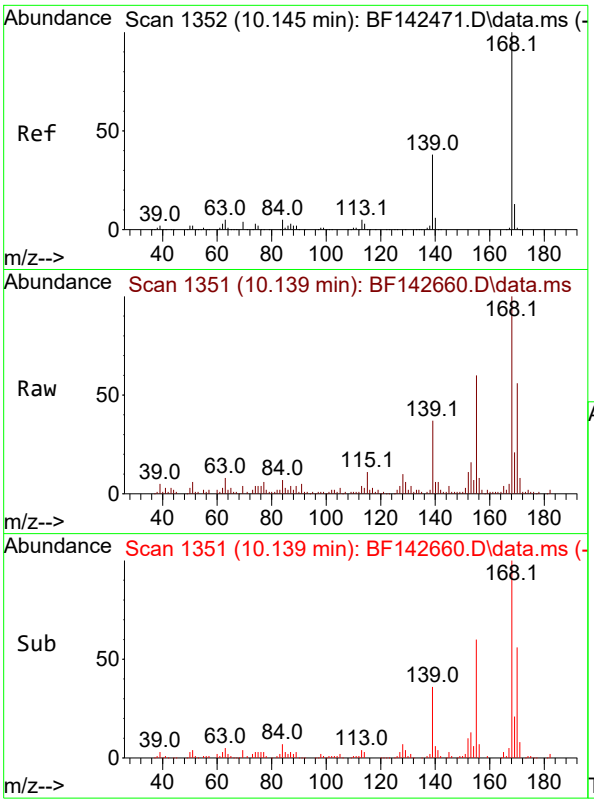


#52
Acenaphthene
Concen: 56.975 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:154 Resp: 843693

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.0	135.0
152	54.3	42.6	64.0



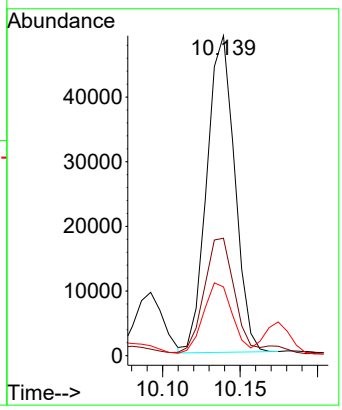


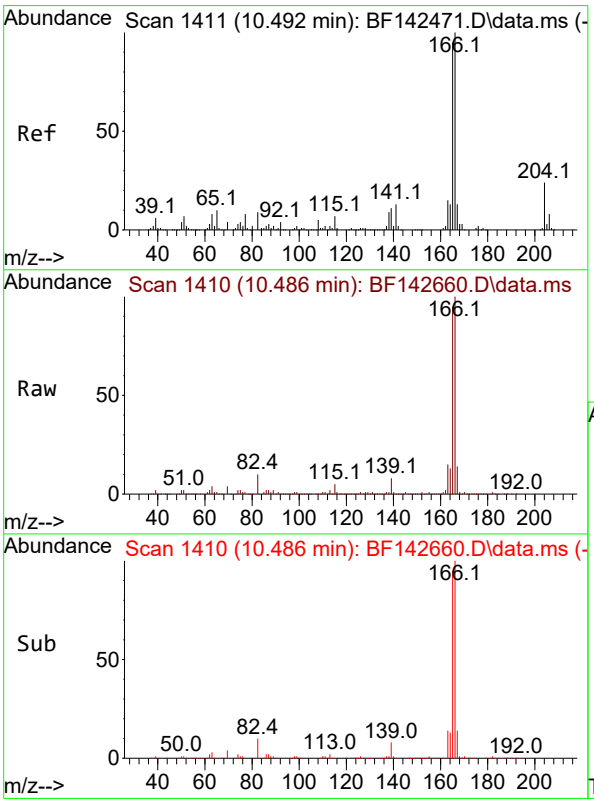
#55
Dibenzofuran
Concen: 2.874 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:168 Resp: 61249

Ion	Ratio	Lower	Upper
168	100		
139	36.7	30.2	45.2
169	21.5	10.7	16.1#

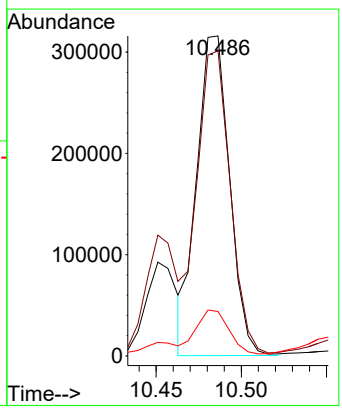


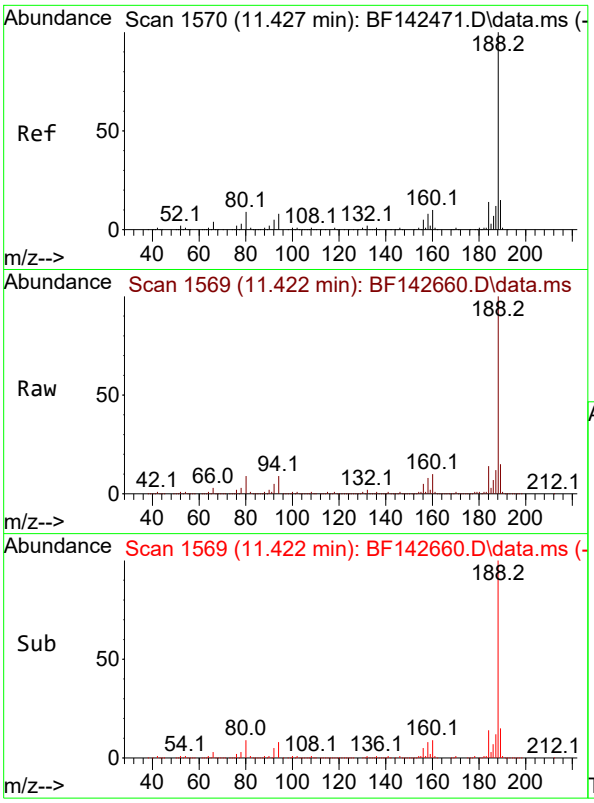


#58
Fluorene
Concen: 25.786 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:166 Resp: 424499

Ion	Ratio	Lower	Upper
166	100		
165	95.4	75.8	113.8
167	13.9	10.6	16.0



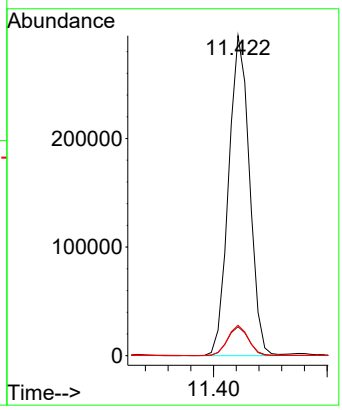


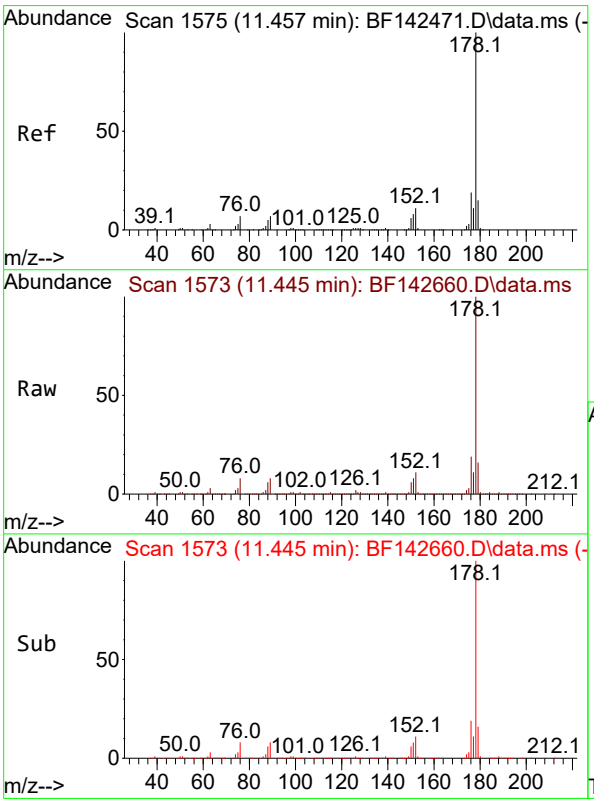
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:188 Resp: 375437

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.5	7.4	11.0

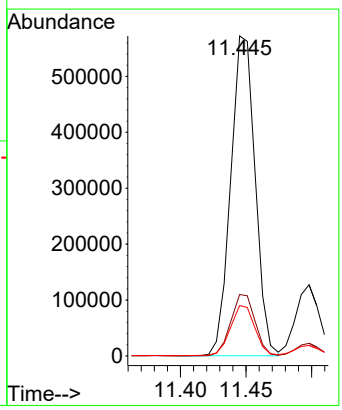


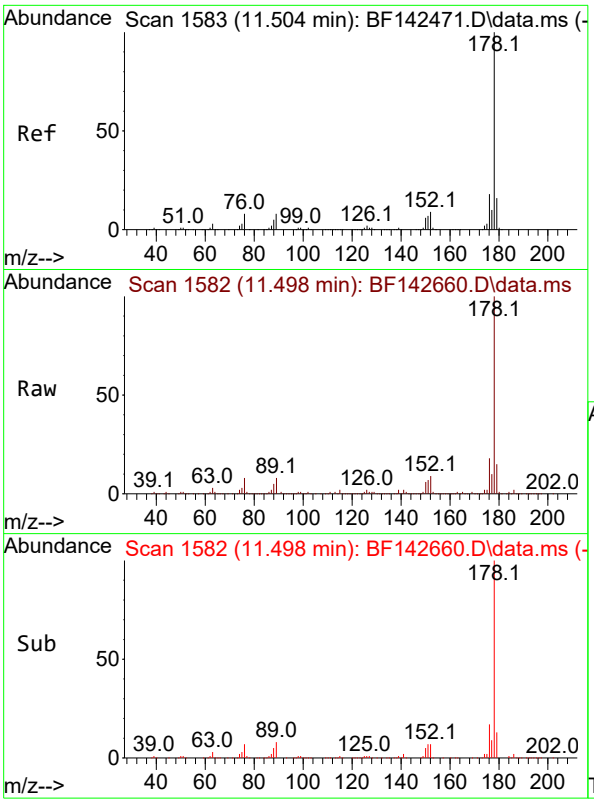


#71
Phenanthrene
Concen: 37.041 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:178 Resp: 743192

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.3	18.5



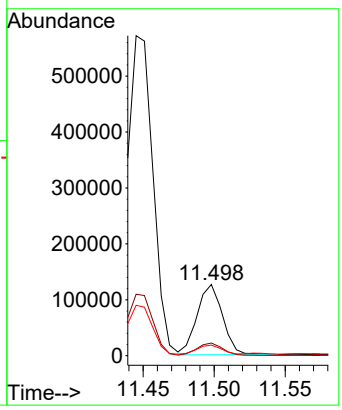


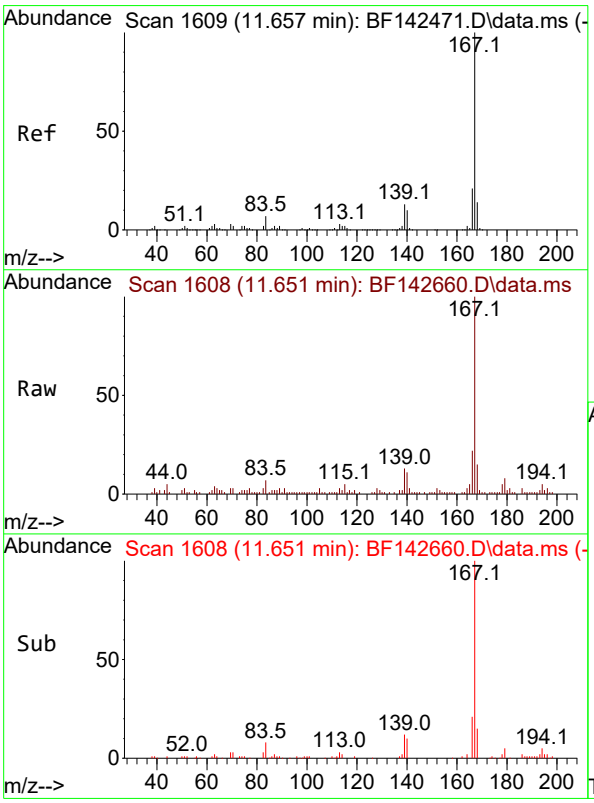
#72
Anthracene
Concen: 7.680 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:178 Resp: 157269

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	15.0	12.4	18.6

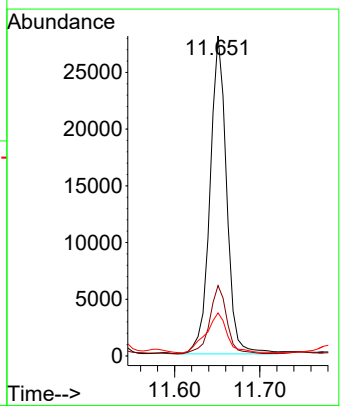


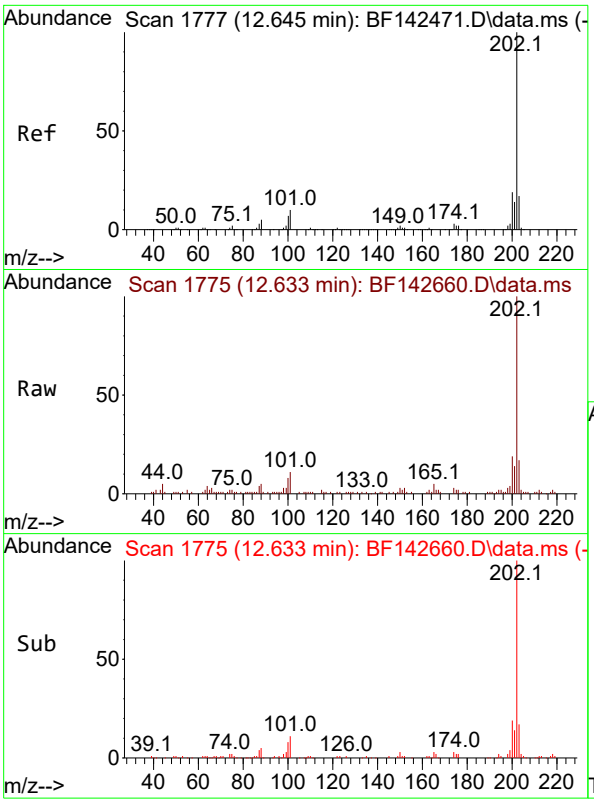


#73
Carbazole
Concen: 2.170 ng
RT: 11.651 min Scan# 1608
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:167 Resp: 37988

Ion	Ratio	Lower	Upper
167	100		
166	22.0	16.9	25.3
139	13.4	10.2	15.4



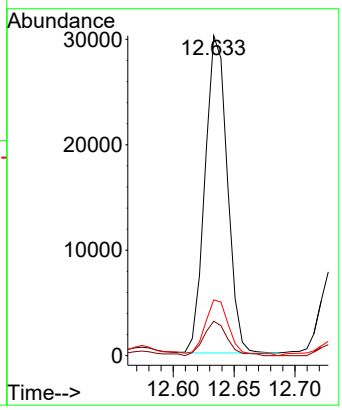


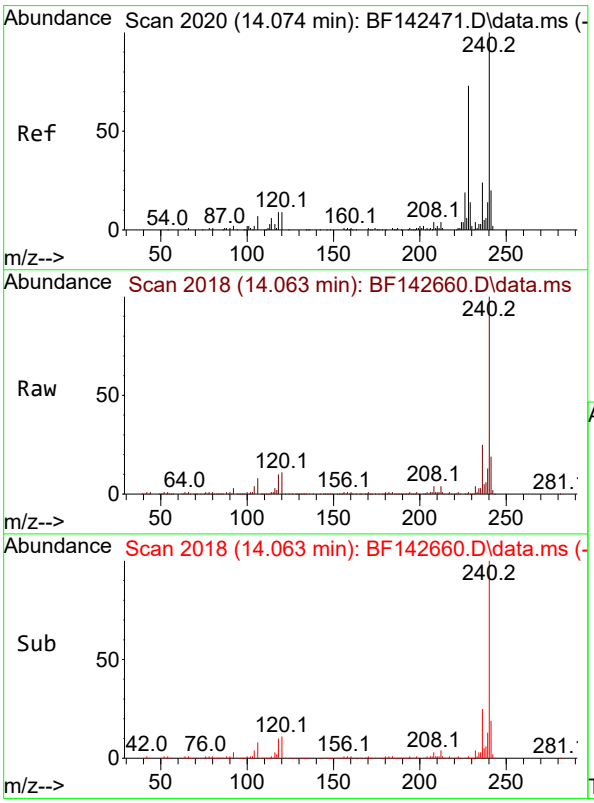
#75
Fluoranthene
Concen: 2.048 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:202 Resp: 38388

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	29.6
203	17.4	0.0	37.2

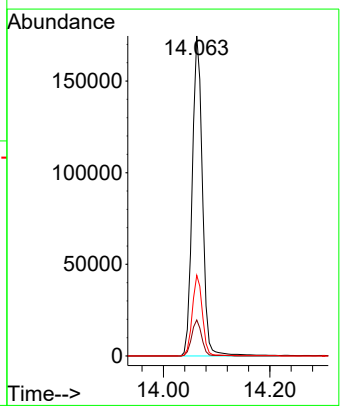


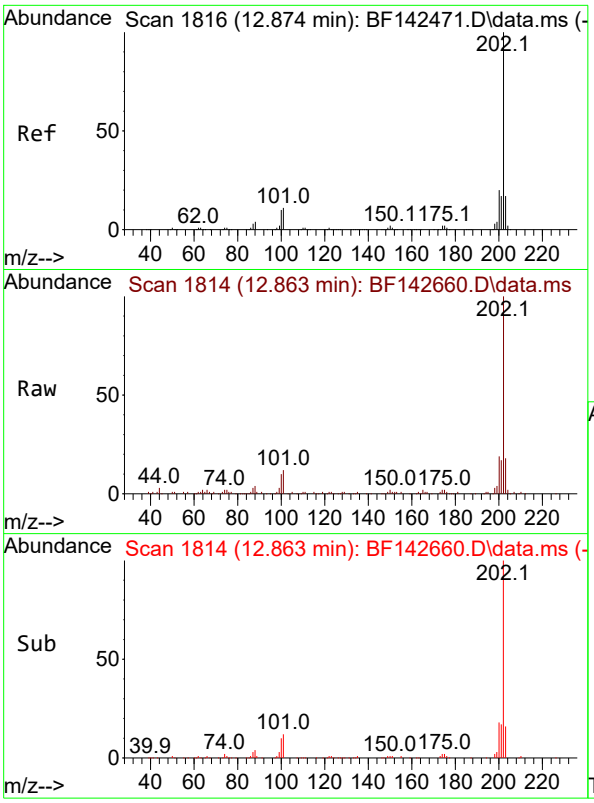


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:240 Resp: 233261

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	25.2	19.6	29.4



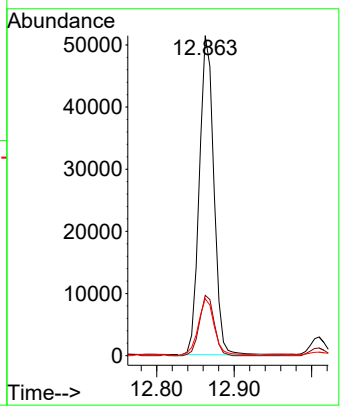


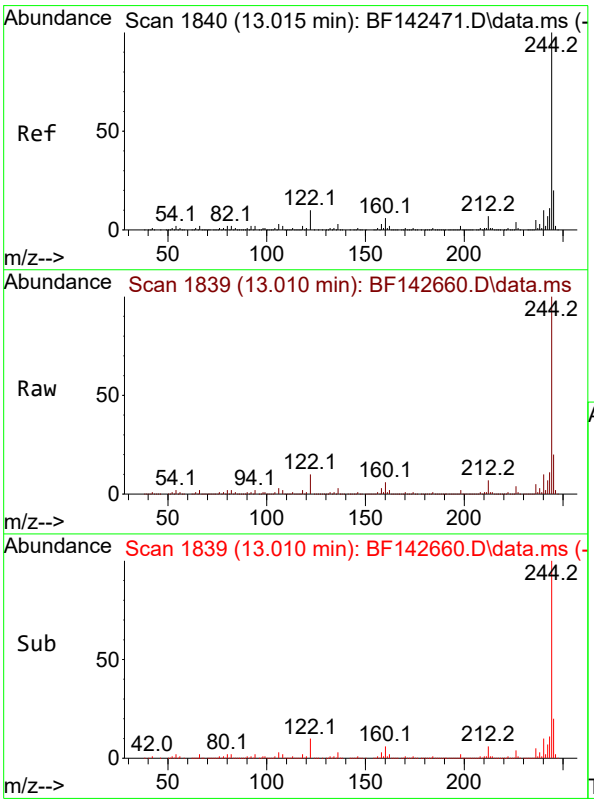
#78
Pyrene
Concen: 3.071 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:202 Resp: 66825

Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.1	24.1
203	17.8	13.9	20.9

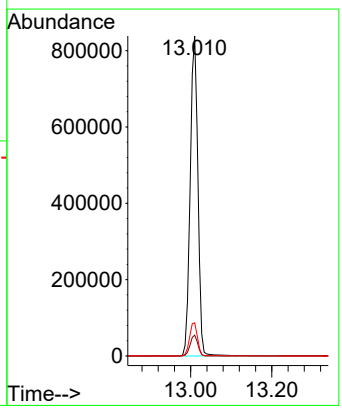


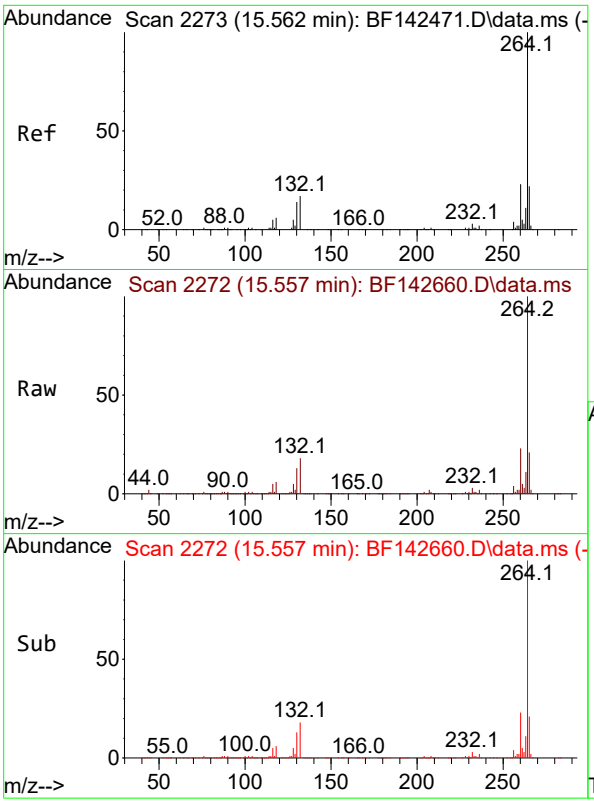


#79
Terphenyl-d14
Concen: 64.562 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Tgt Ion:244 Resp: 1102040

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.4	8.2	12.2



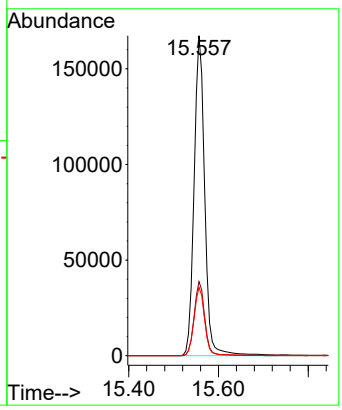


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142660.D
Acq: 06 Jun 2025 22:01

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Tgt Ion:264 Resp: 275077

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.4	17.7	26.5



Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142660.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.063	477	488	492	rBV4	74726	176872	1.01%	0.117%
2	5.110	492	496	501	rVB	163749	231964	1.33%	0.154%
3	5.387	537	543	548	rBV	3184399	4360859	25.00%	2.888%
4	5.510	555	564	569	rVB2	1555895	2256120	12.93%	1.494%
5	5.745	599	604	608	rVB	243711	306934	1.76%	0.203%
6	6.069	651	659	665	rBV	1162384	1554291	8.91%	1.029%
7	6.357	702	708	713	rVB	1382367	1723509	9.88%	1.141%
8	6.451	720	724	728	rVB	557090	645281	3.70%	0.427%
9	6.498	728	732	733	rVV	595091	767776	4.40%	0.509%
10	6.516	733	735	741	rVB	927925	1151803	6.60%	0.763%
11	6.581	741	746	751	rBV	2090083	2620967	15.03%	1.736%
12	6.722	760	770	783	rVB	3722757	5328662	30.55%	3.529%
13	6.845	783	791	795	rBV3	139143	254808	1.46%	0.169%
14	6.892	795	799	802	rBV	534588	692969	3.97%	0.459%
15	6.951	802	809	814	rVV	2244072	3396705	19.47%	2.250%
16	6.992	814	816	821	rVB	359095	400772	2.30%	0.265%
17	7.081	821	831	836	rBV	4991348	7565529	43.37%	5.011%
18	7.145	836	842	848	rBV2	1082215	1698724	9.74%	1.125%
19	7.210	848	853	862	rVB2	980311	1576070	9.04%	1.044%
20	7.287	862	866	872	rBV	271201	357653	2.05%	0.237%
21	7.357	872	878	881	rBV2	794379	1204365	6.90%	0.798%
22	7.434	886	891	893	rVV	1311997	2044056	11.72%	1.354%
23	7.469	893	897	901	rVB2	4169455	6024930	34.54%	3.990%
24	7.575	912	915	919	rBV	430702	545864	3.13%	0.362%
25	7.663	924	930	932	rBV	797860	1159012	6.64%	0.768%
26	7.692	932	935	942	rVB	1734905	2154635	12.35%	1.427%
27	7.763	942	947	955	rBV2	328907	758078	4.35%	0.502%
28	7.851	955	962	967	rVB	2744415	3843810	22.04%	2.546%
29	7.928	967	975	979	rBV3	4280990	8081914	46.33%	5.353%
30	7.975	979	983	989	rVV	4221734	7914449	45.37%	5.242%
31	8.022	989	991	993	rVV	425312	457045	2.62%	0.303%
32	8.051	993	996	1001	rVB	801763	990603	5.68%	0.656%
33	8.122	1001	1008	1011	rBV2	146235	278905	1.60%	0.185%
34	8.222	1011	1025	1030	rVV	7090859	17443057	100.00%	11.553%
35	8.263	1030	1032	1036	rVB2	265894	276092	1.58%	0.183%
36	8.334	1039	1044	1048	rBV3	161409	248298	1.42%	0.164%

Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.451	1062	1064	1068	rVB	164481	193204	1.11%	0.128%
38	8.498	1068	1072	1074	rBV	223357	278953	1.60%	0.185%
39	8.533	1074	1078	1081	rVV	478372	776097	4.45%	0.514%
40	8.569	1081	1084	1088	rVB2	277702	397598	2.28%	0.263%
41	8.639	1088	1096	1099	rBV	924230	2266574	12.99%	1.501%
42	8.686	1100	1104	1108	rVV	1158985	1917192	10.99%	1.270%
43	8.728	1108	1111	1115	rVV3	270744	377490	2.16%	0.250%
44	8.769	1115	1118	1122	rVB2	325824	395119	2.27%	0.262%
45	8.822	1122	1127	1129	rBV2	442231	693553	3.98%	0.459%
46	8.845	1129	1131	1135	rVV2	587639	745867	4.28%	0.494%
47	8.898	1135	1140	1145	rVB	3513495	4731651	27.13%	3.134%
48	9.010	1150	1159	1166	rVB	6463395	12314306	70.60%	8.156%
49	9.086	1166	1172	1176	rVB7	73260	174739	1.00%	0.116%
50	9.257	1195	1201	1205	rBV	2801839	3731248	21.39%	2.471%
51	9.357	1212	1218	1223	rVB	1360718	1766696	10.13%	1.170%
52	9.422	1223	1229	1231	rBV2	257526	404633	2.32%	0.268%
53	9.457	1231	1235	1240	rVB	582815	964598	5.53%	0.639%
54	9.516	1240	1245	1253	rBV	976920	1639685	9.40%	1.086%
55	9.592	1253	1258	1262	rBV	1748467	2654419	15.22%	1.758%
56	9.710	1272	1278	1286	rVB	932204	1598723	9.17%	1.059%
57	9.792	1286	1292	1298	rVB	714271	948353	5.44%	0.628%
58	9.933	1308	1316	1319	rBV2	840117	1382577	7.93%	0.916%
59	9.969	1319	1322	1329	rVV	2670946	3475037	19.92%	2.302%
60	10.033	1329	1333	1338	rVB2	118013	191959	1.10%	0.127%
61	10.133	1346	1350	1354	rBV2	236028	300929	1.73%	0.199%
62	10.180	1354	1358	1365	rVB3	307635	556969	3.19%	0.369%
63	10.251	1365	1370	1373	rBV3	193388	300386	1.72%	0.199%
64	10.357	1380	1388	1390	rBV2	152294	353200	2.02%	0.234%
65	10.386	1390	1393	1397	rVV	384607	505442	2.90%	0.335%
66	10.451	1400	1404	1406	rVV	359542	493240	2.83%	0.327%
67	10.480	1406	1409	1415	rVV	1002295	1409425	8.08%	0.933%
68	10.551	1415	1421	1425	rVV3	174509	437796	2.51%	0.290%
69	10.592	1425	1428	1434	rVV2	222531	398032	2.28%	0.264%
70	10.651	1434	1438	1443	rVV3	135762	319125	1.83%	0.211%
71	10.722	1443	1450	1463	rVB2	1743732	2788329	15.99%	1.847%
72	10.845	1463	1471	1479	rBV4	107324	258518	1.48%	0.171%
73	11.022	1496	1501	1505	rBV2	102180	174606	1.00%	0.116%
74	11.422	1564	1569	1571	rBV	707343	987606	5.66%	0.654%
75	11.445	1571	1573	1578	rVV	1344053	1624115	9.31%	1.076%
76	11.498	1578	1582	1585	rVV	277548	358569	2.06%	0.237%

Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.533	1585	1588	1601	rVB2	147720	232129	1.33%	0.154%
78	11.945	1650	1658	1663	rBV3	197379	449161	2.58%	0.297%
79	12.033	1669	1673	1681	rVB2	155285	305657	1.75%	0.202%
80	13.010	1833	1839	1844	rBV	2192209	2864207	16.42%	1.897%
81	14.063	2013	2018	2031	rBV	471959	630161	3.61%	0.417%
82	15.557	2265	2272	2288	rBV	442767	727130	4.17%	0.482%

Sum of corrected areas: 150988384

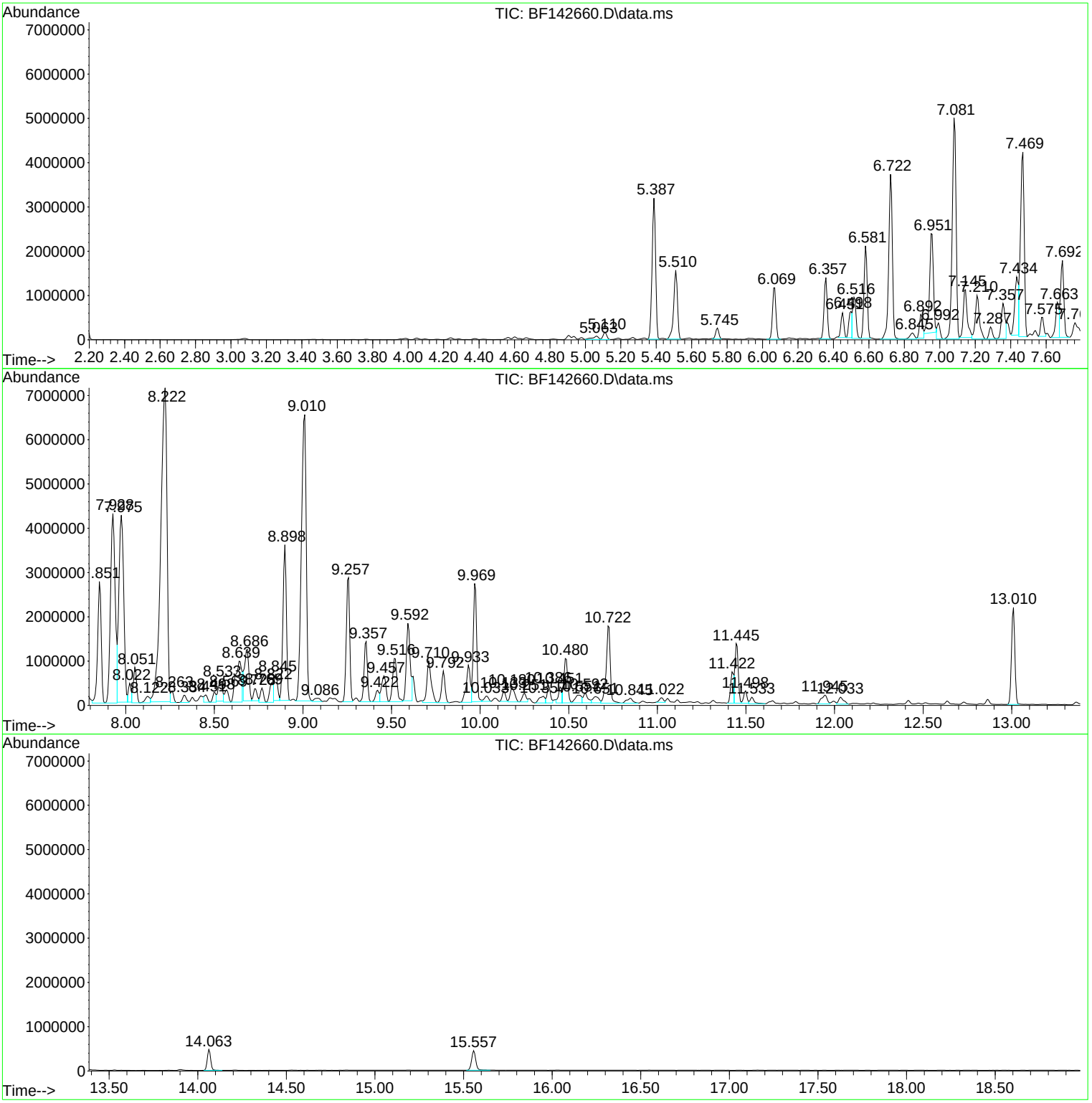
Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

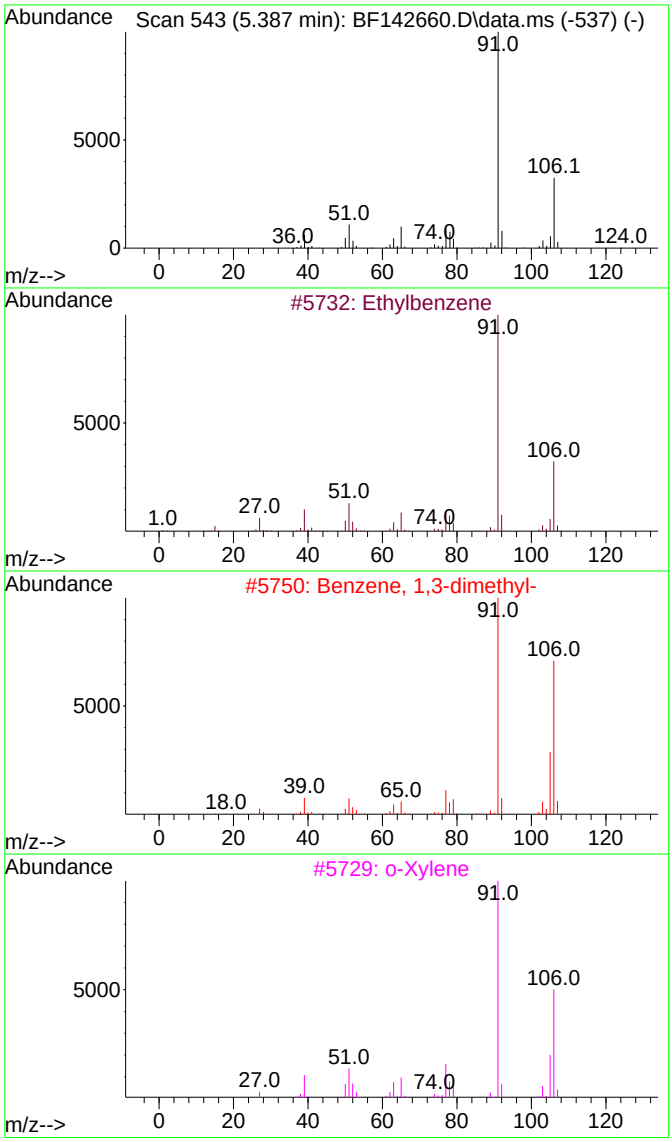
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

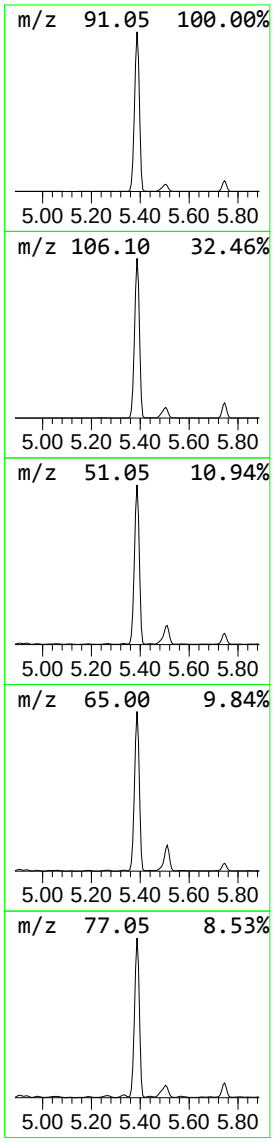
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.387	125.86 ng	4360860	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	86
3	o-Xylene	106	C8H10	000095-47-6	76
4	p-Xylene	106	C8H10	000106-42-3	72
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

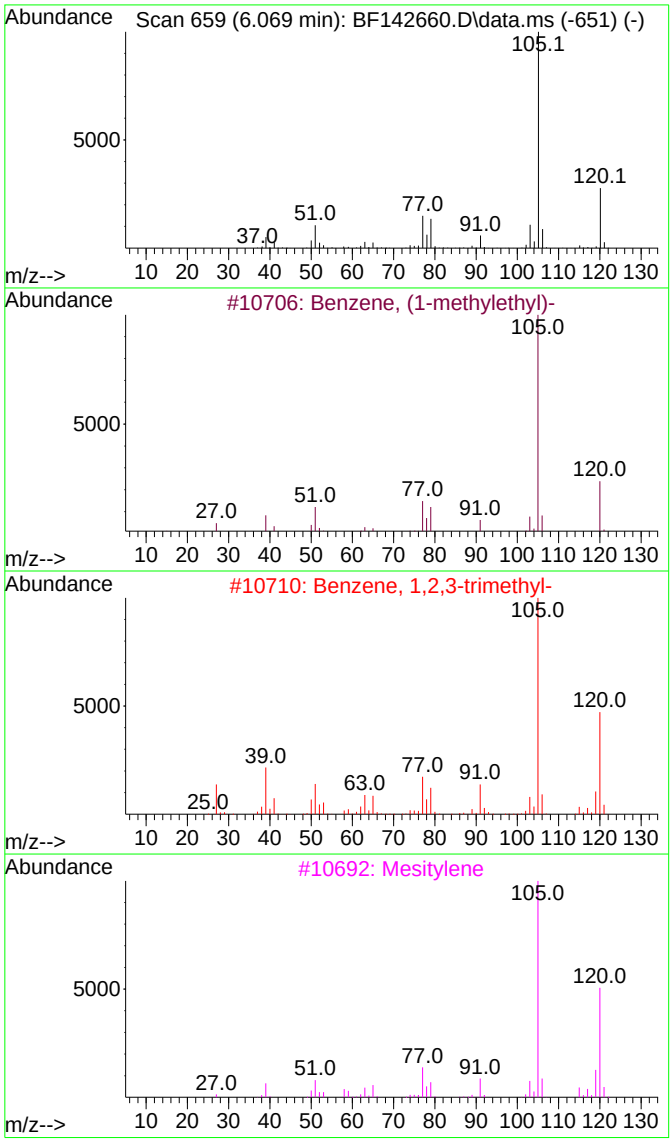
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

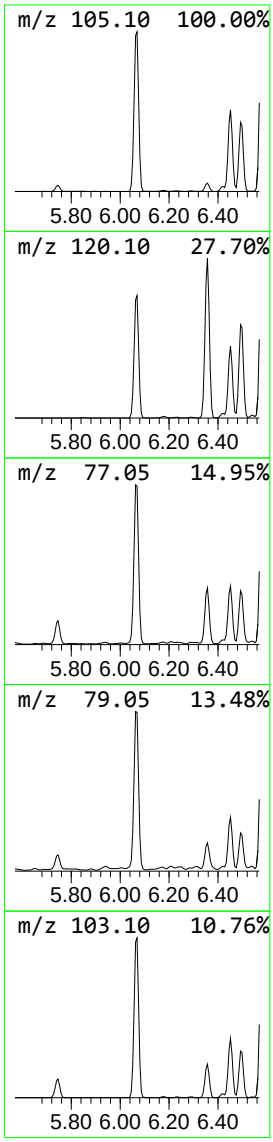
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.069	44.86 ng	1554290	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Mesitylene	120	C9H12	000108-67-8	87
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

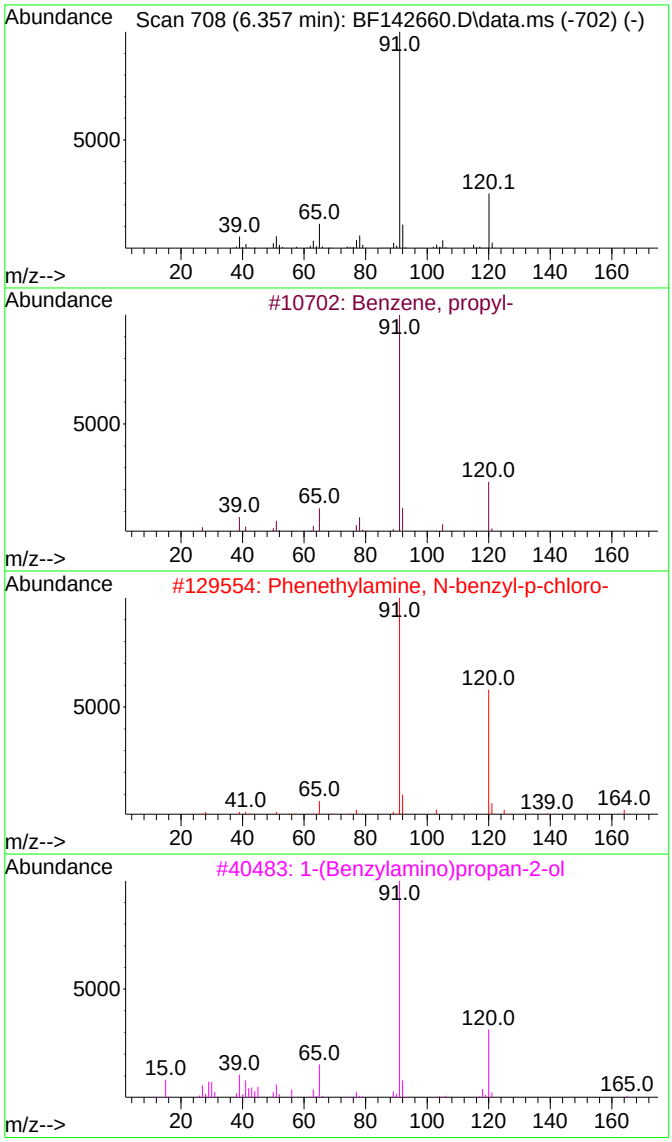
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

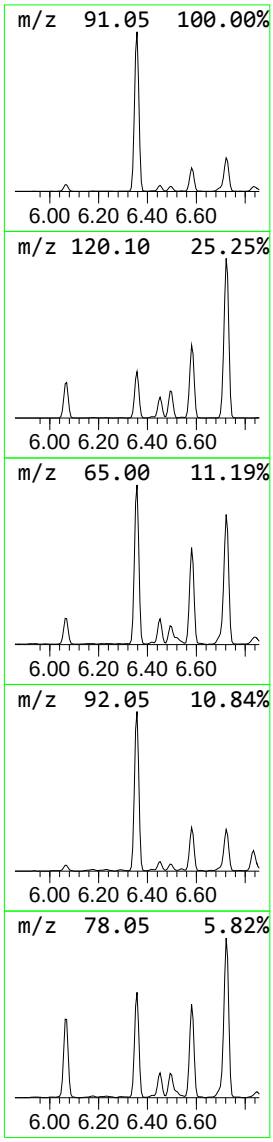
****

Peak Number 3 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.357	49.74 ng	1723510	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
3	1-(Benzylamino)propan-2-ol	165	C10H15NO	1000486-84-7	72
4	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

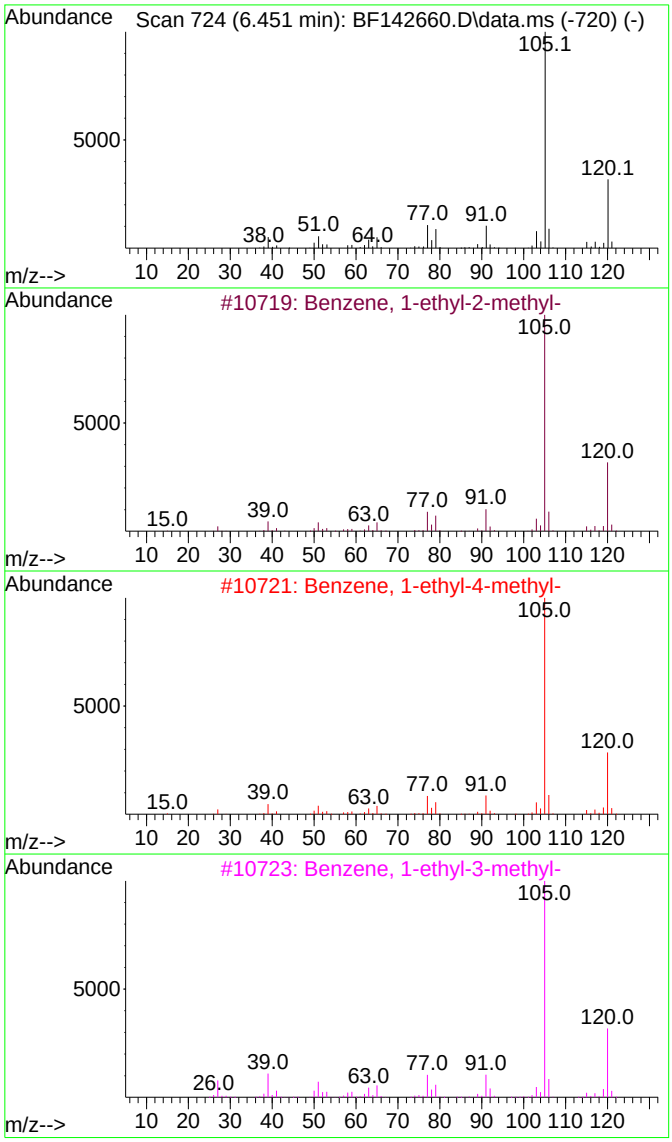
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

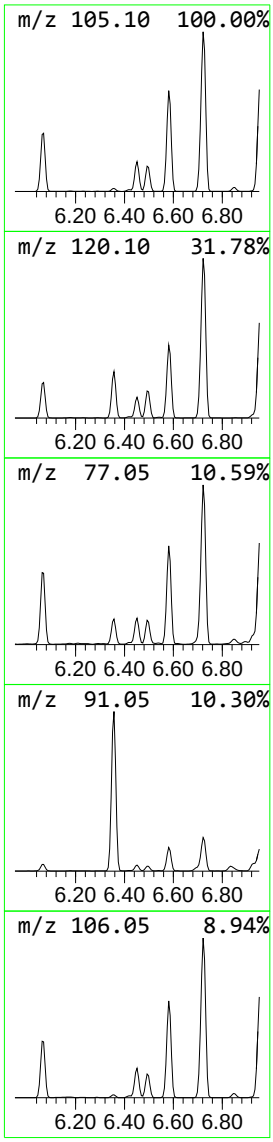
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.451	18.62 ng	645281	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

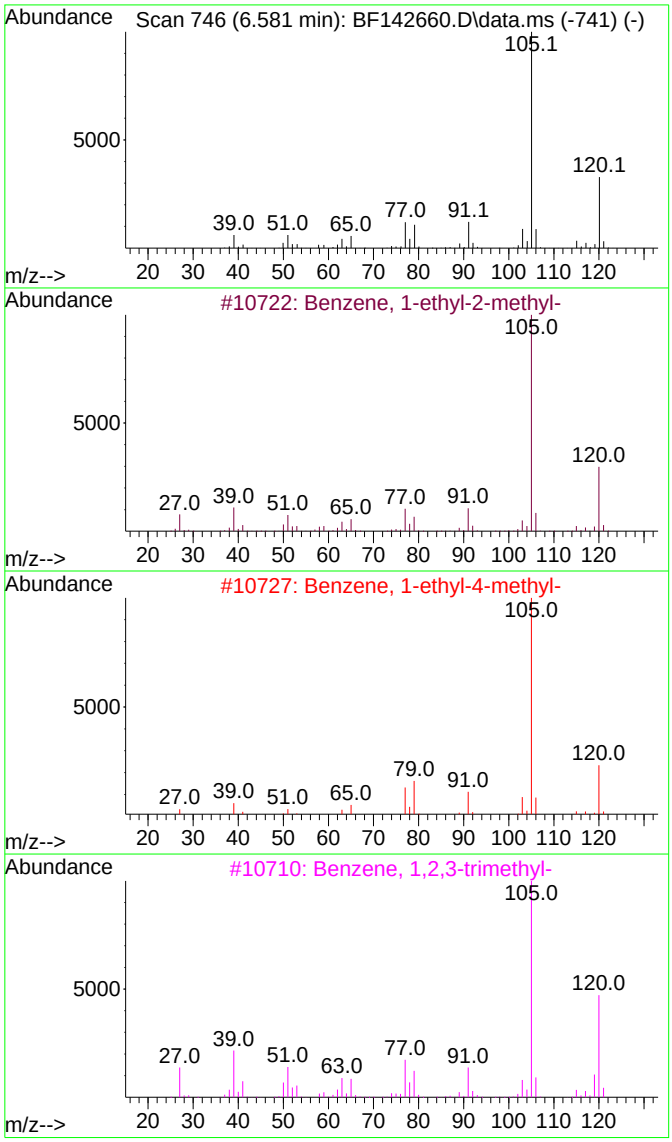
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

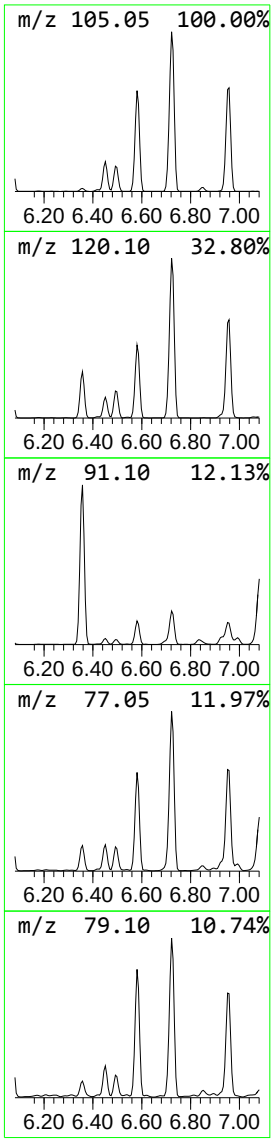
****

Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.581	75.64 ng	2620970	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

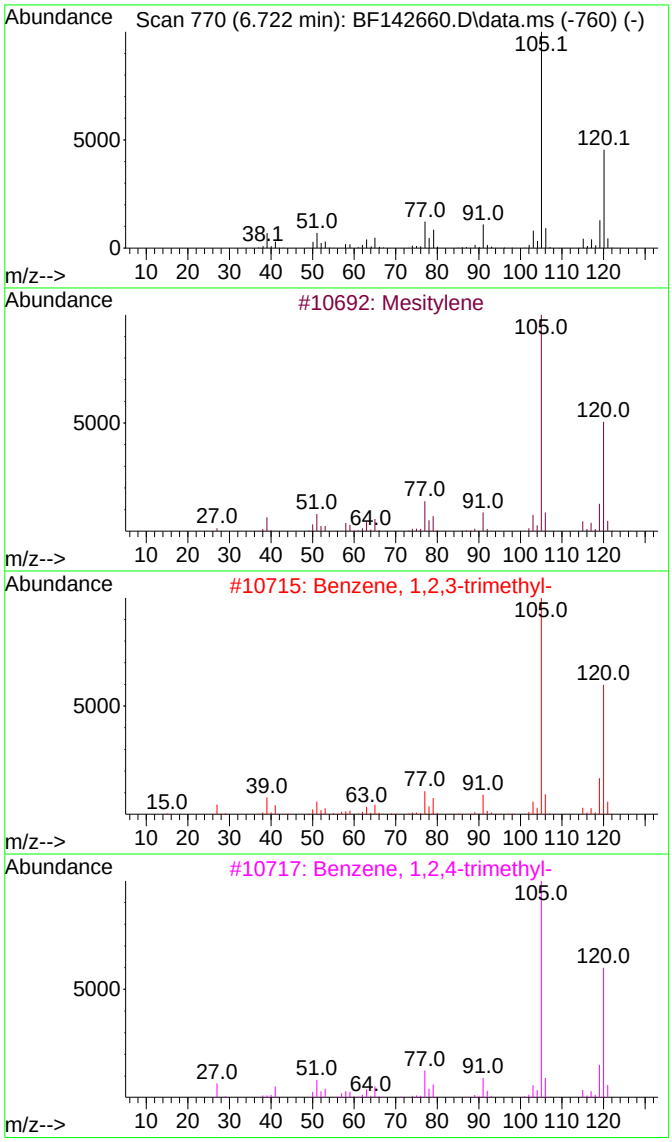
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

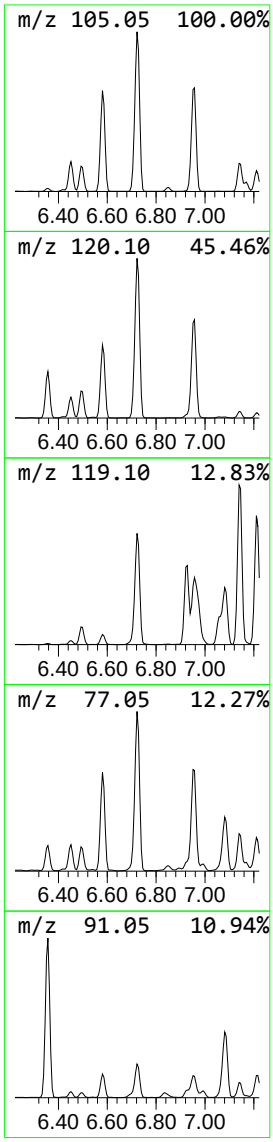
****

Peak Number 6 Mesitylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.722	153.79 ng	5328660	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

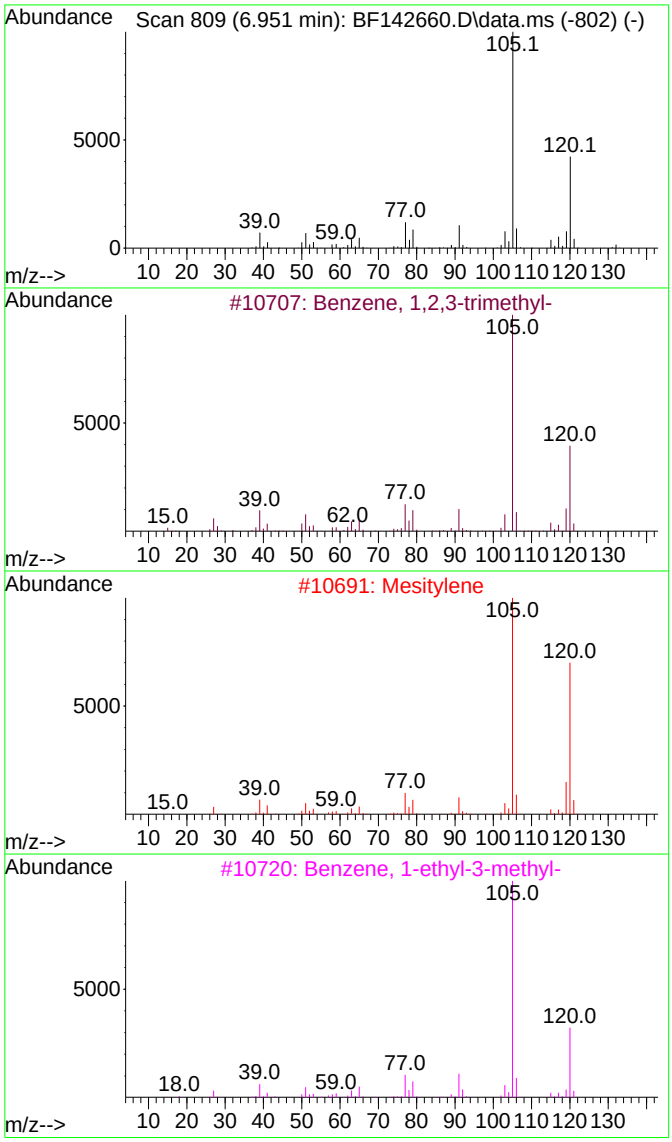
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

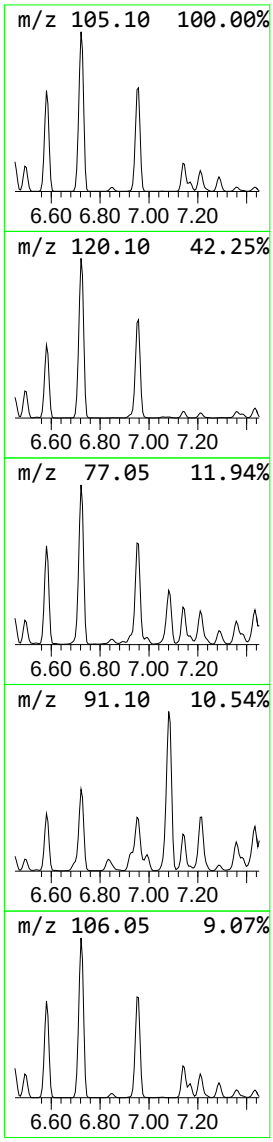
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.951	98.03 ng	3396710	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

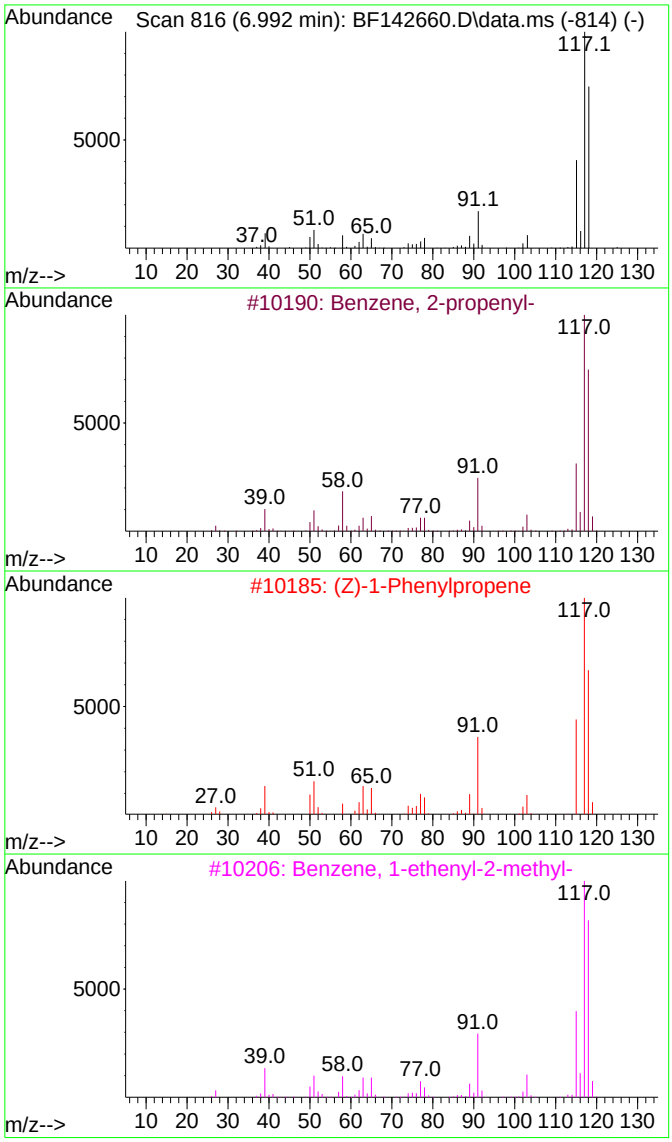
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

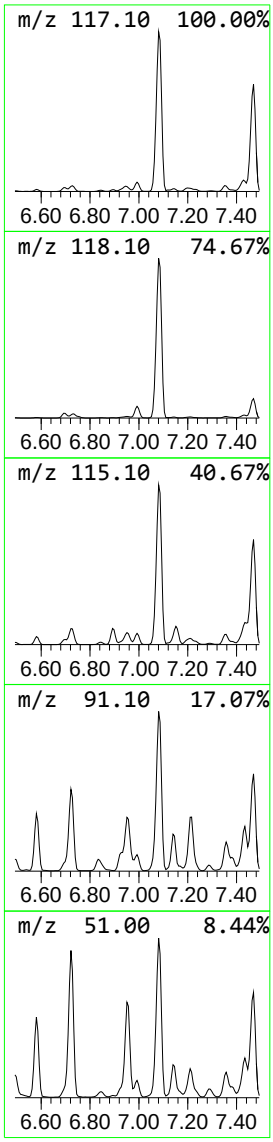
****

Peak Number 8 Benzene, 2-propenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.992	11.57 ng	400772	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

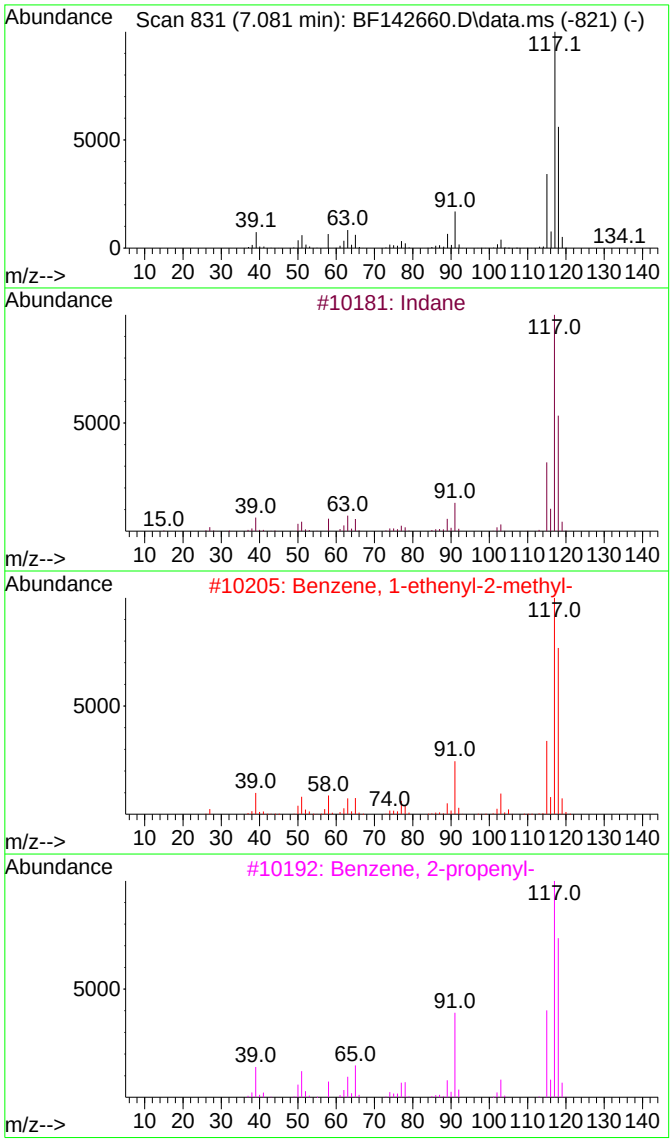
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

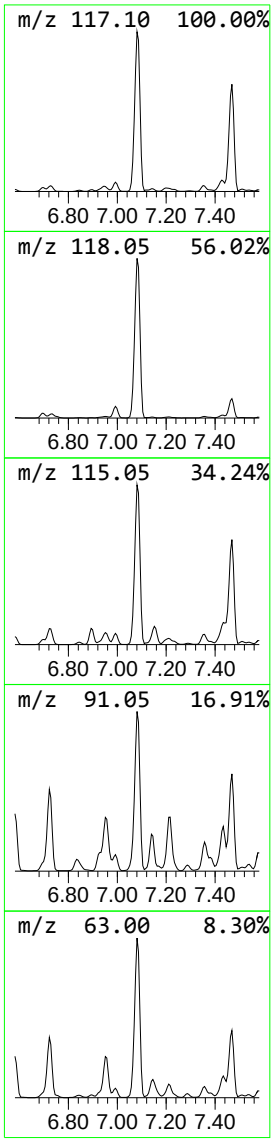
****

Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.081	218.35 ng	7565530	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Sample Results: **BF142660.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

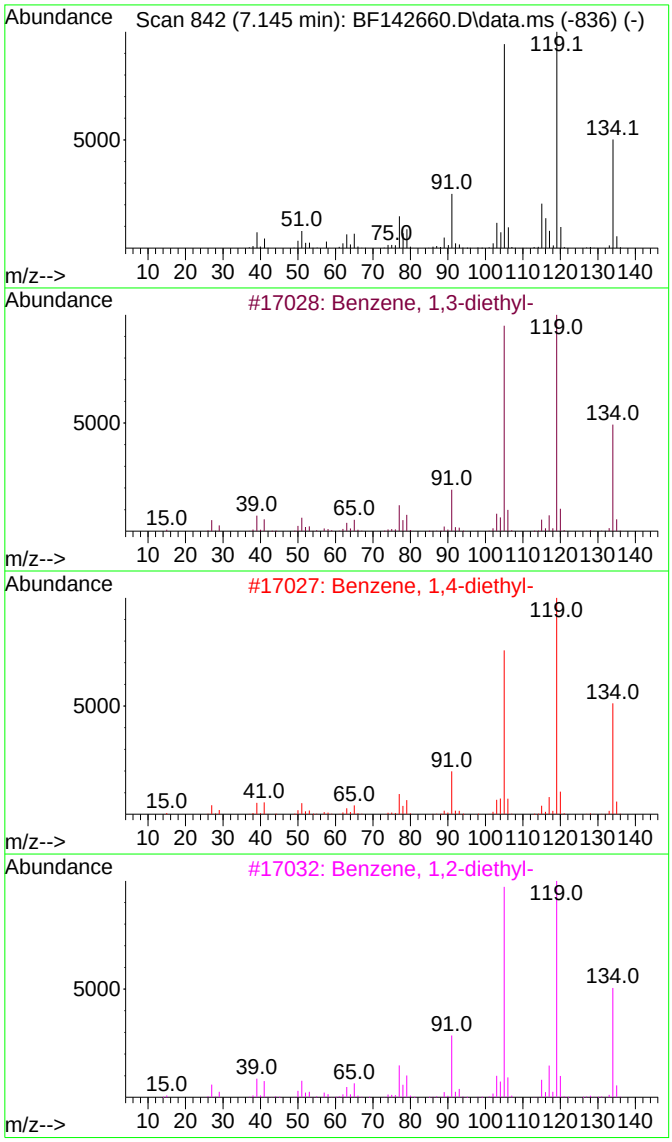
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

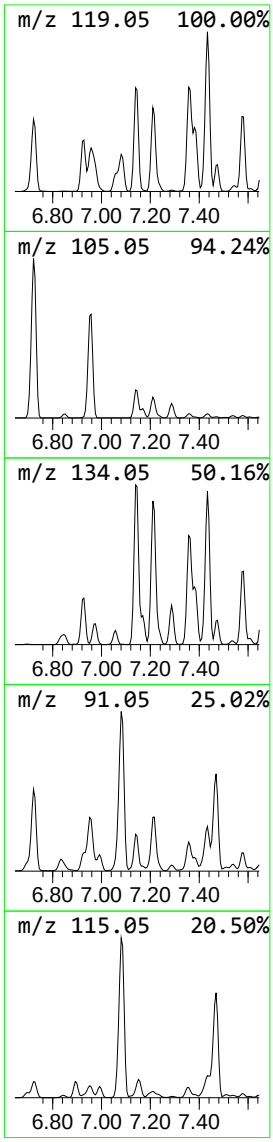
****

Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.145	49.03 ng	1698720	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

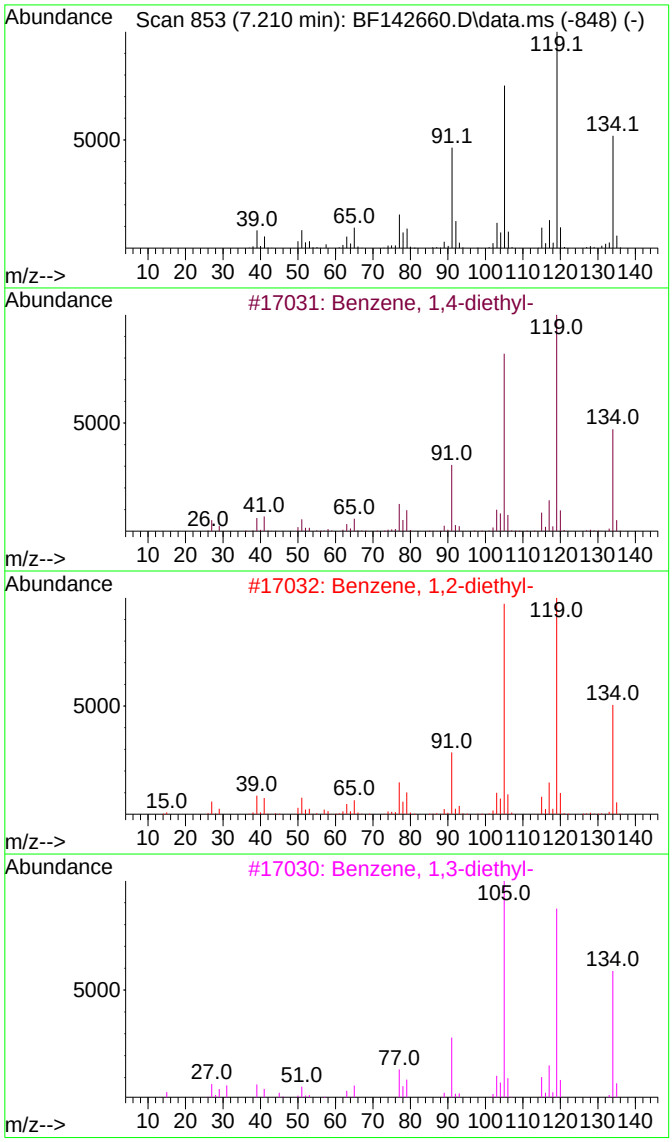
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

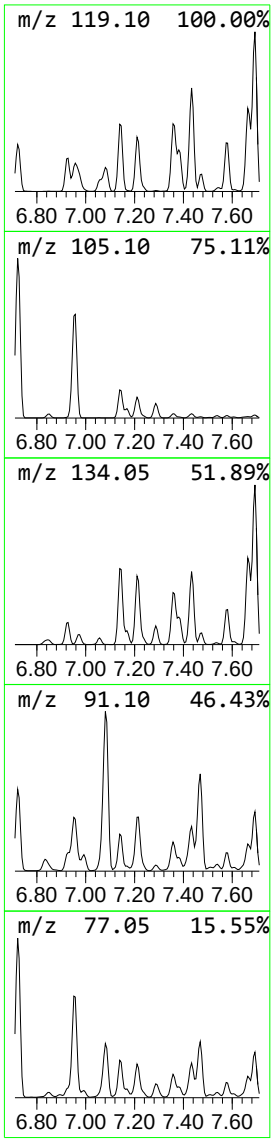
****

Peak Number 11 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.210	45.49 ng	1576070	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

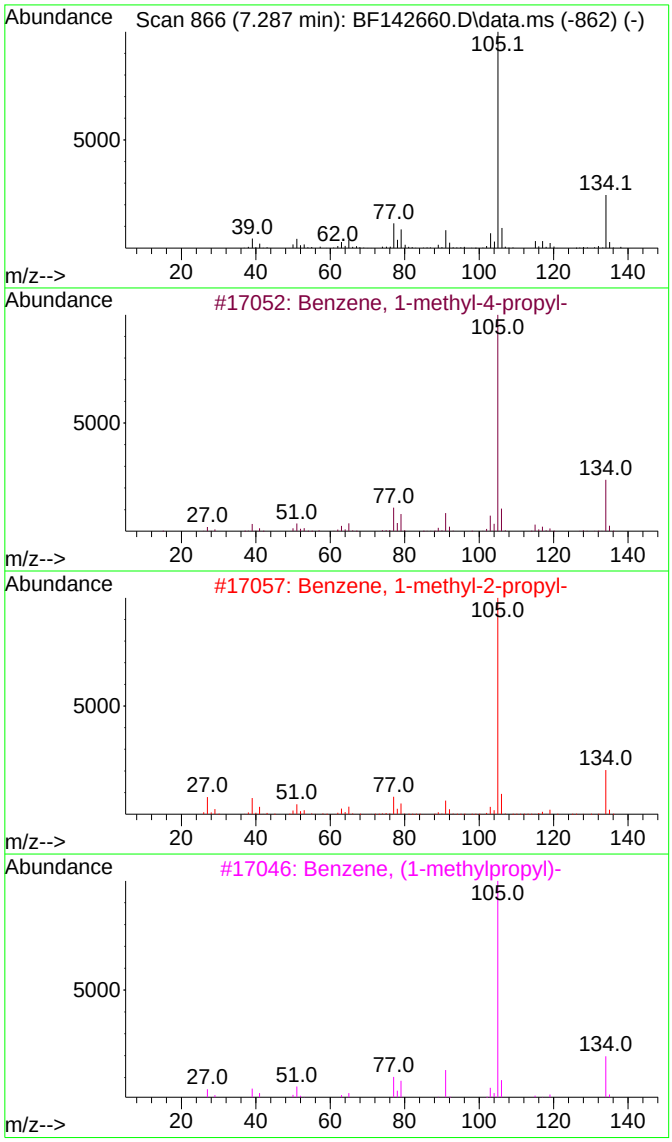
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

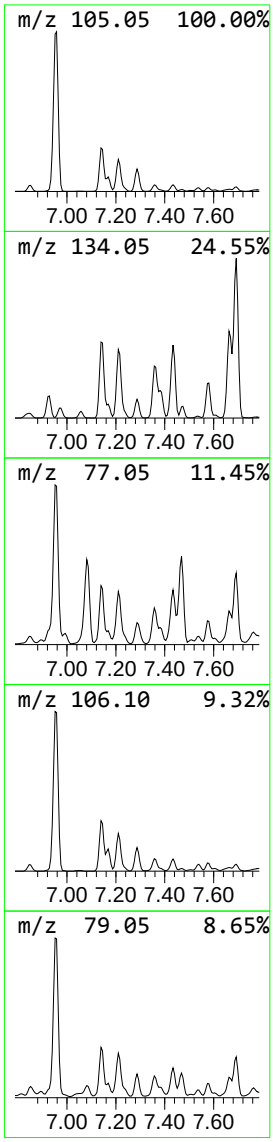
****

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.287	10.32 ng	357653	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

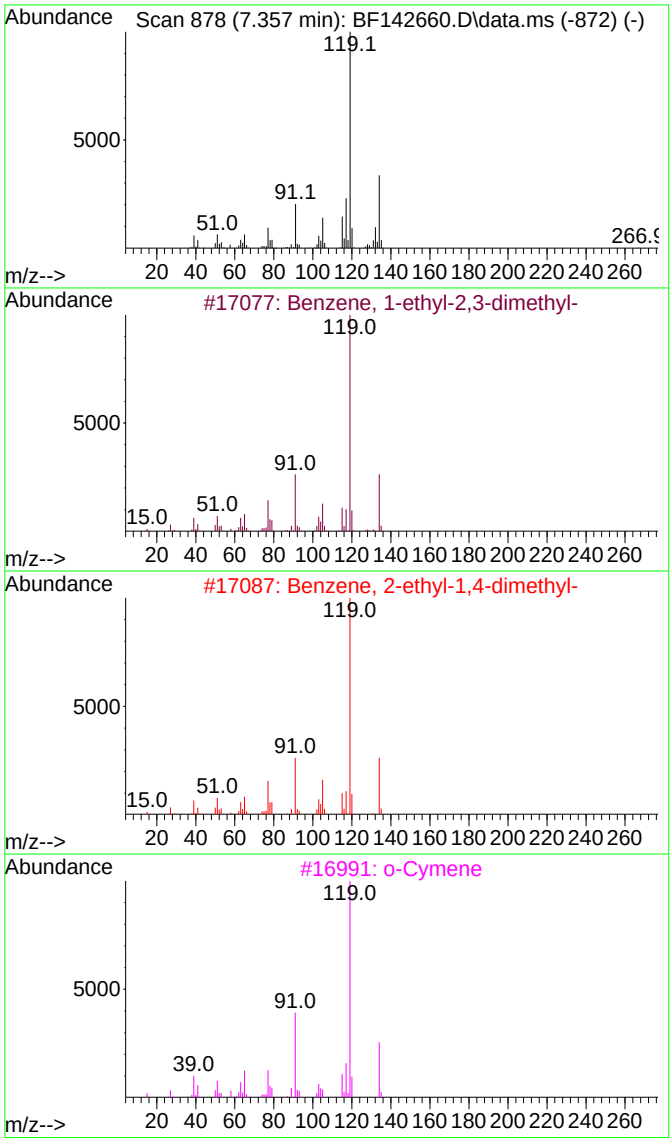
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

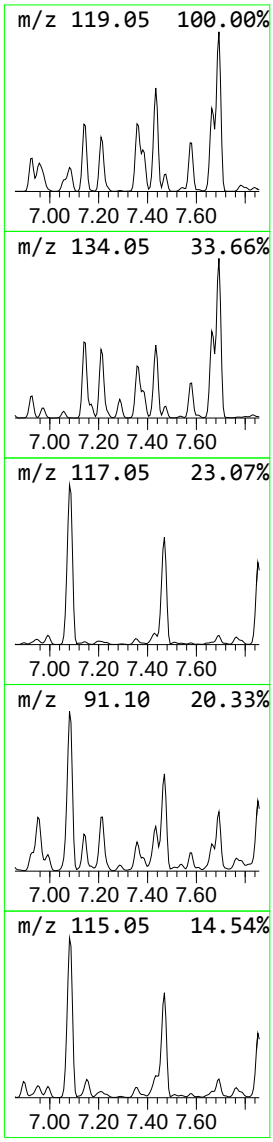
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.357	34.76 ng	1204370	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	o-Cymene	134	C10H14	000527-84-4	83
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

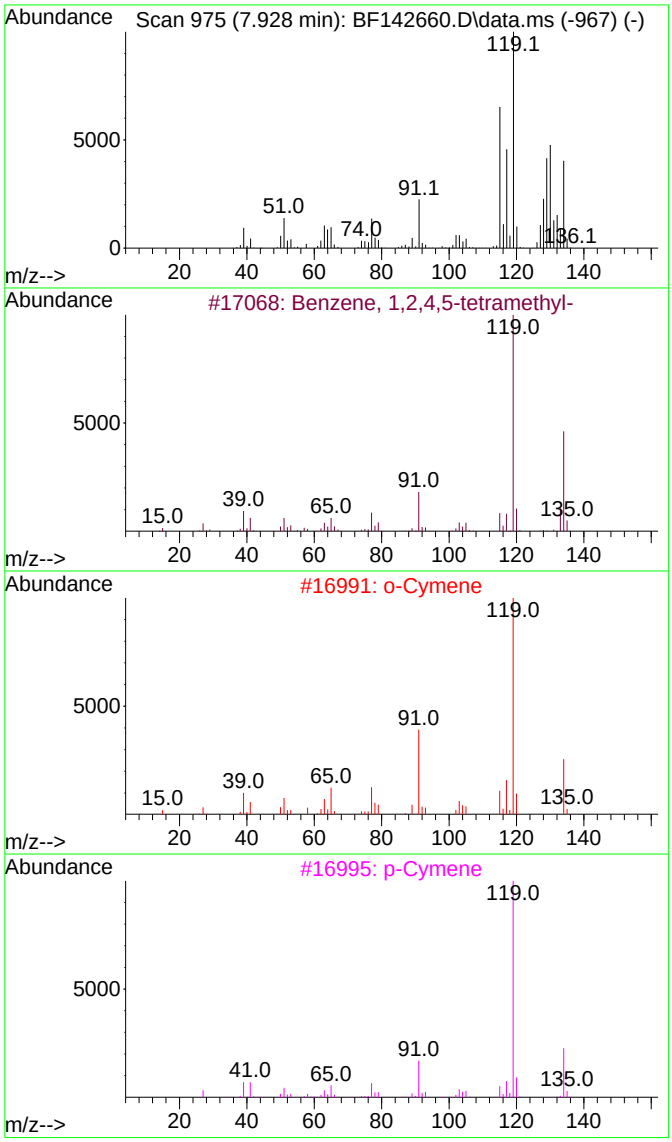
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

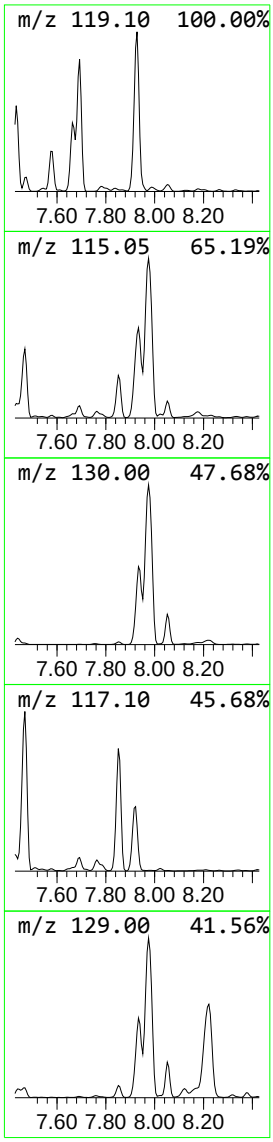
****

Peak Number 14 unknown7.928 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.928	9.27 ng	8081910	Naphthalene-d8	8.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	42
2	o-Cymene	134	C10H14	000527-84-4	42
3	p-Cymene	134	C10H14	000099-87-6	42
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	42
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

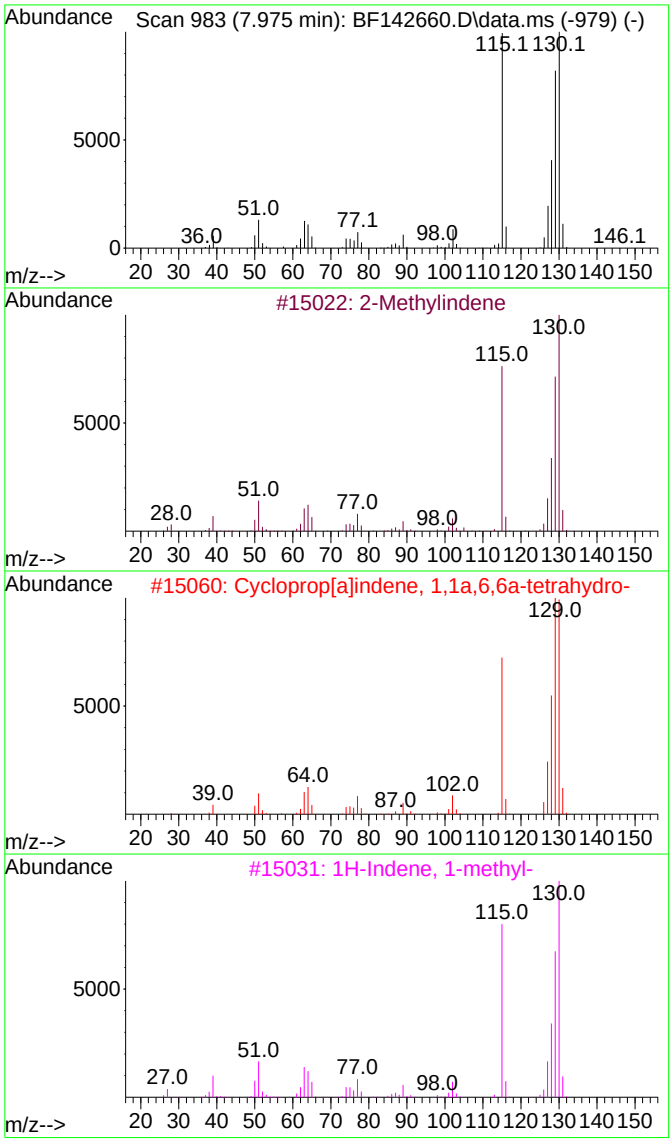
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

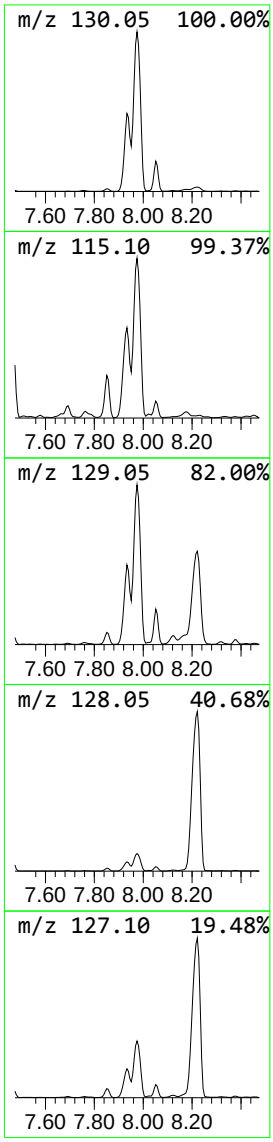
****

Peak Number 15 2-Methylindene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.975	9.07 ng	7914450	Naphthalene-d8	8.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

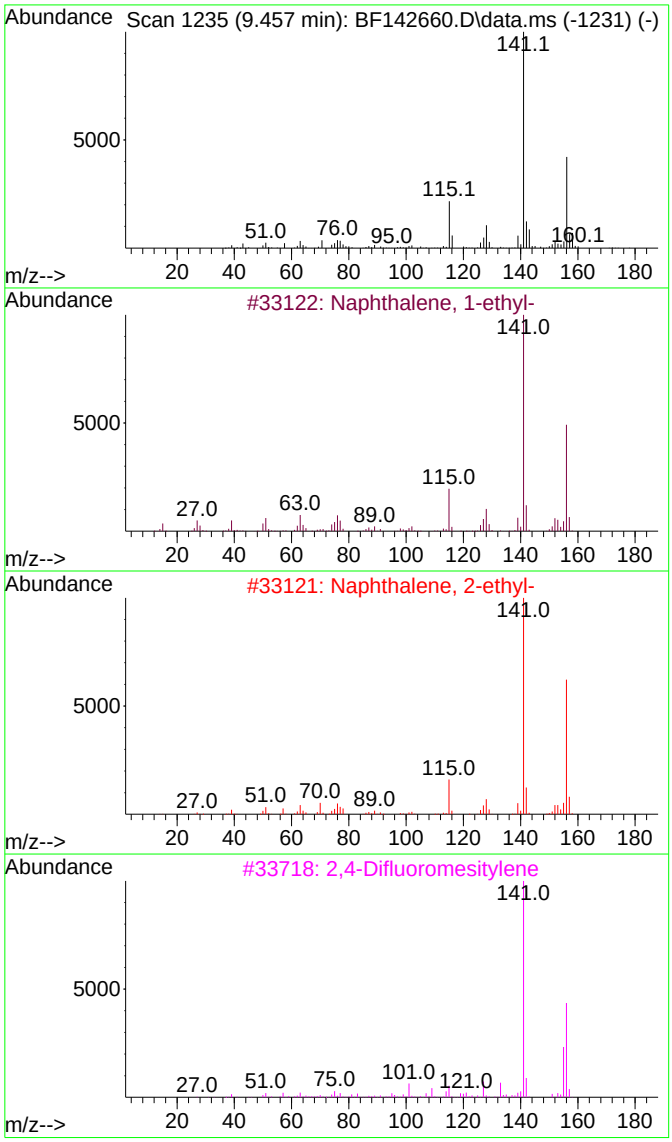
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

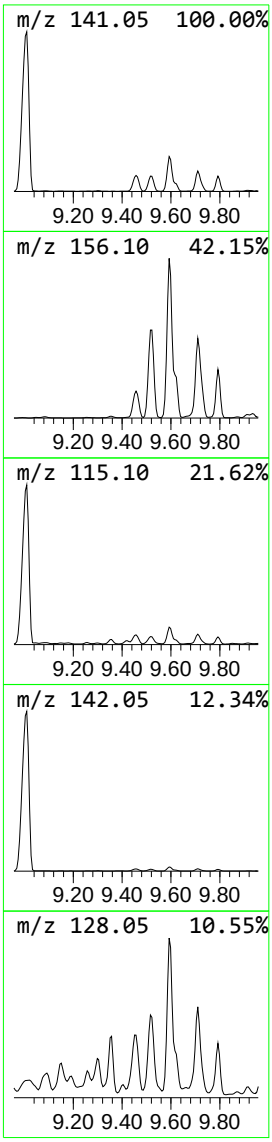
****

Peak Number 16 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	13.95 ng	964598	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

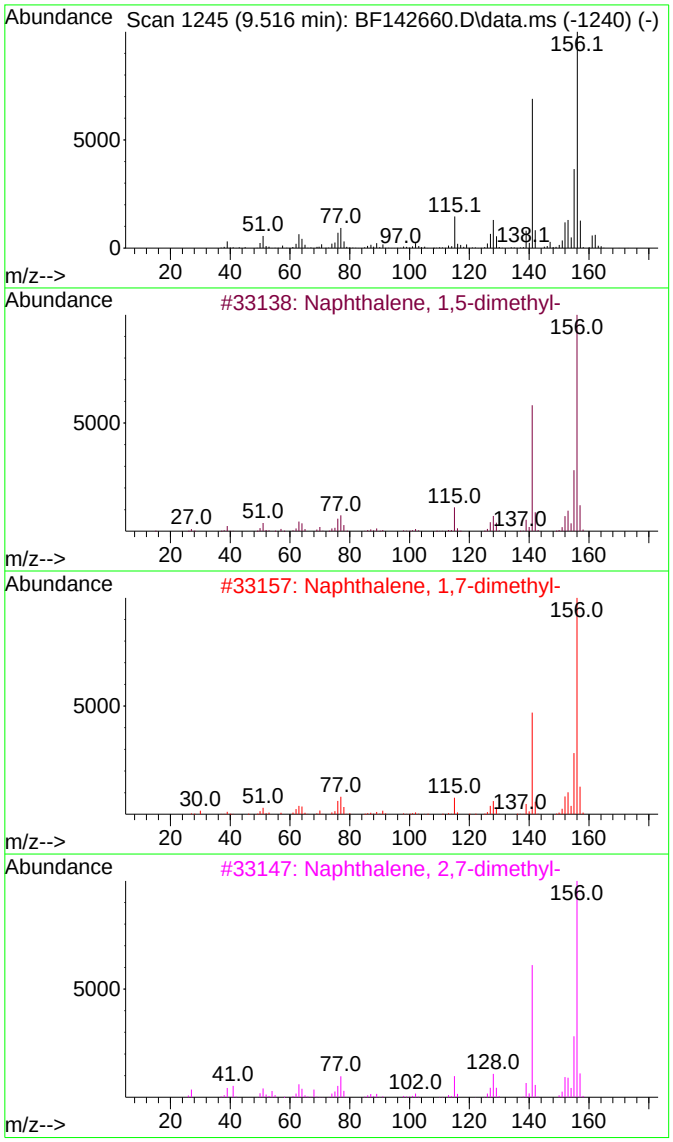
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

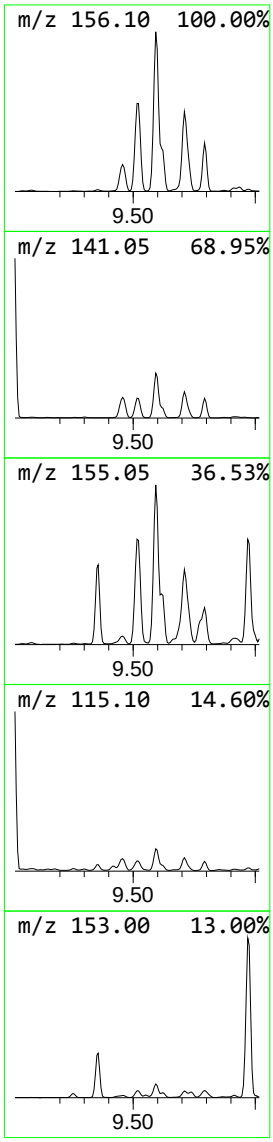
****

Peak Number 17 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	23.72 ng	1639690	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

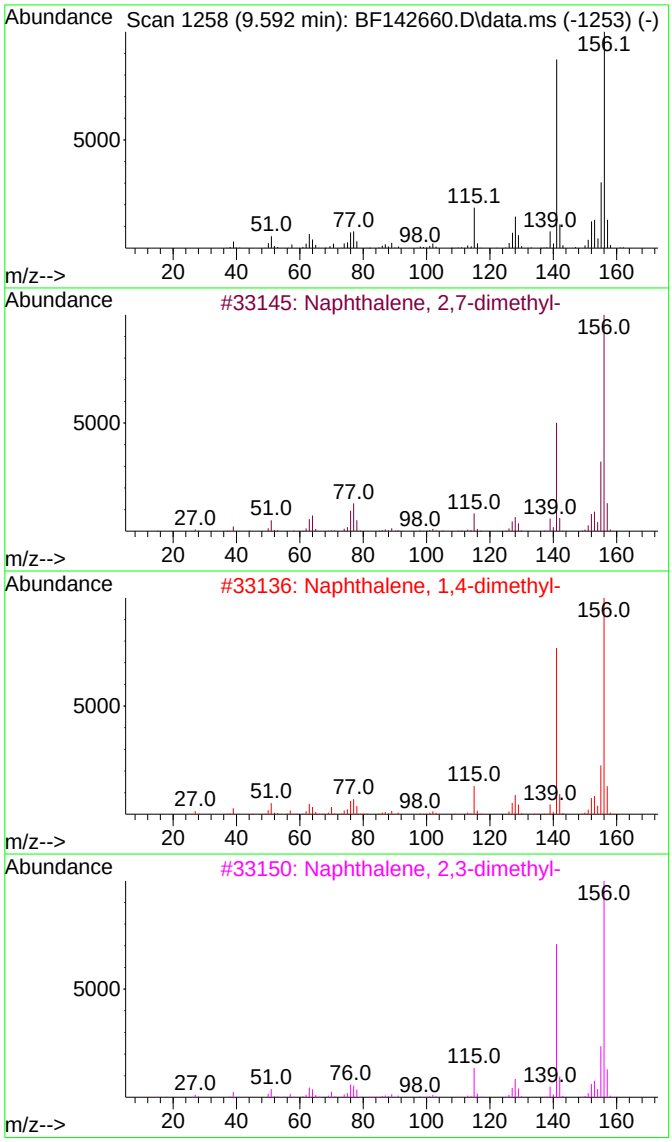
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

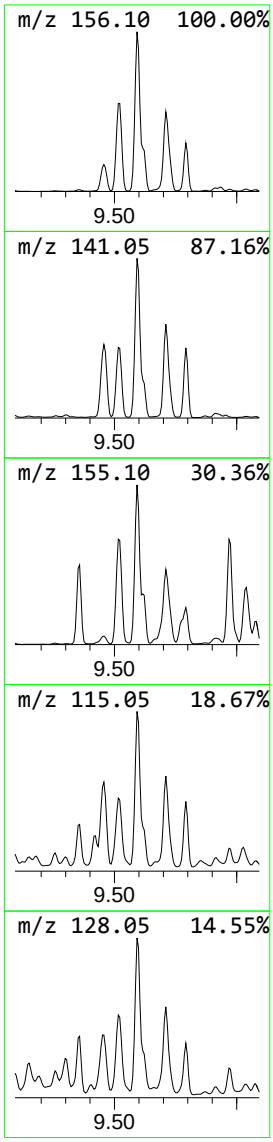
****

Peak Number 18 Naphthalene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.592	38.40 ng	2654420	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

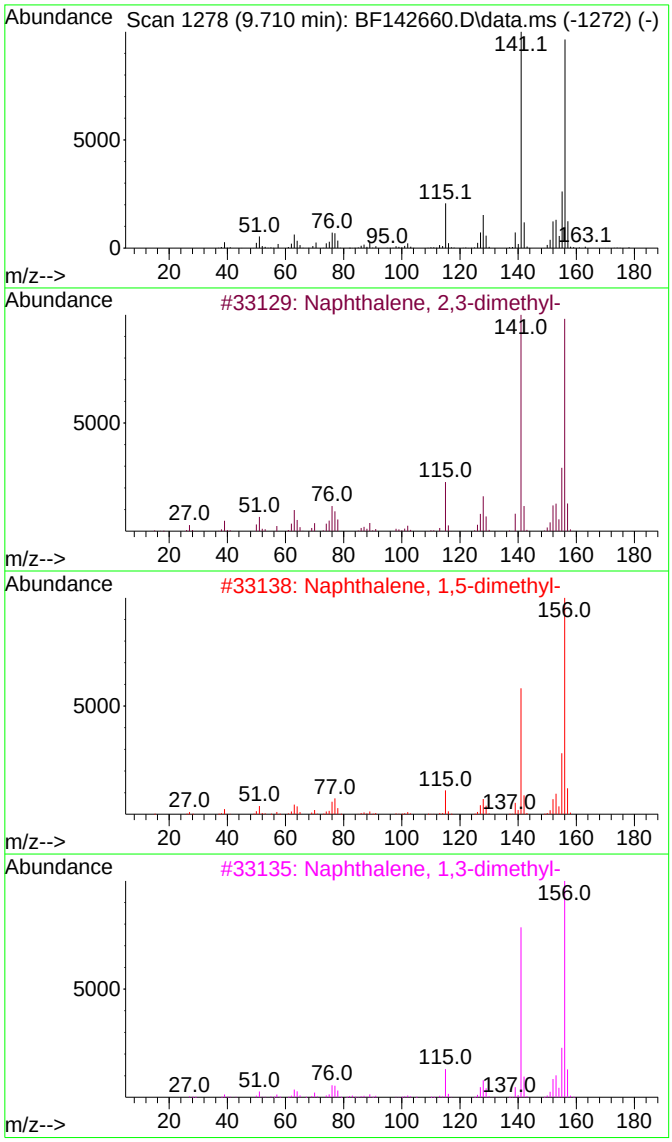
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

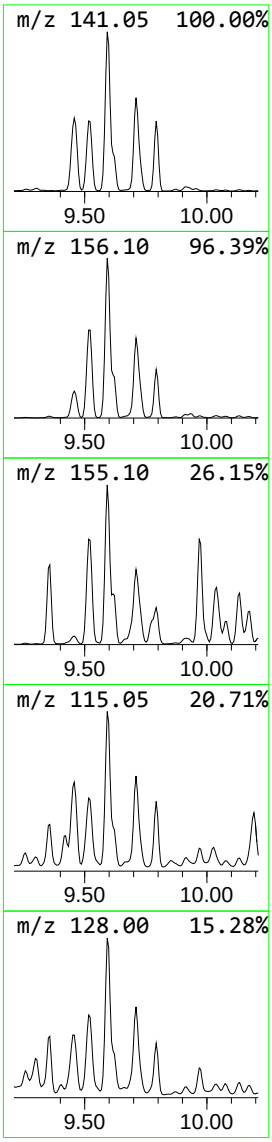
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.710	23.13 ng	1598720	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

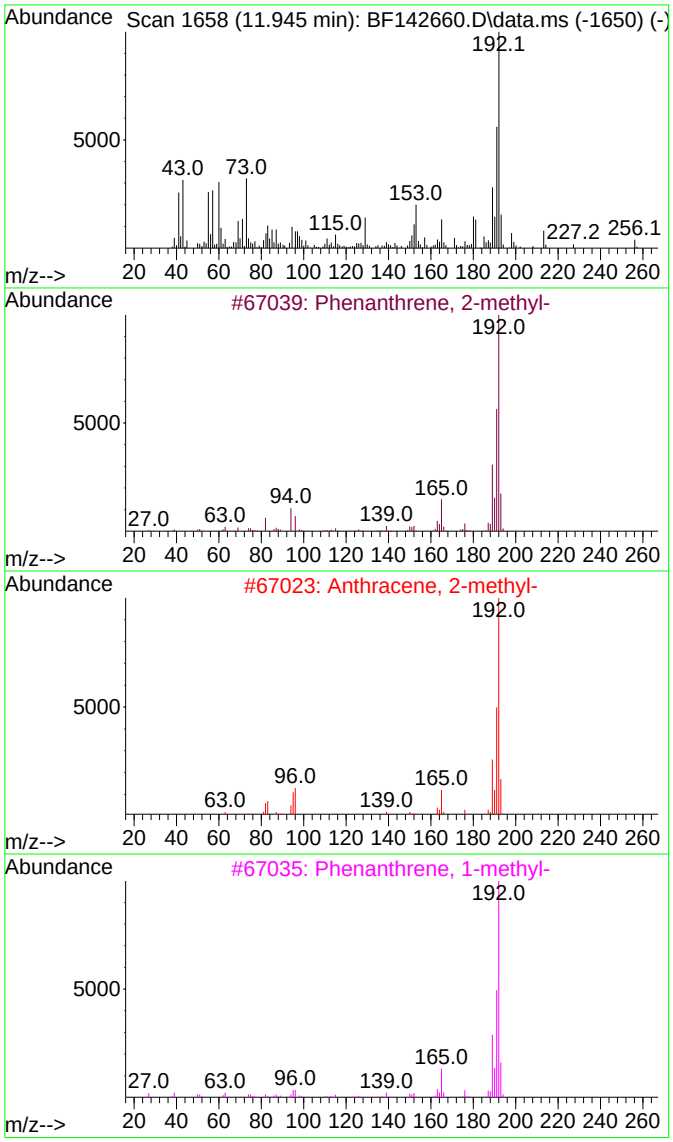
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

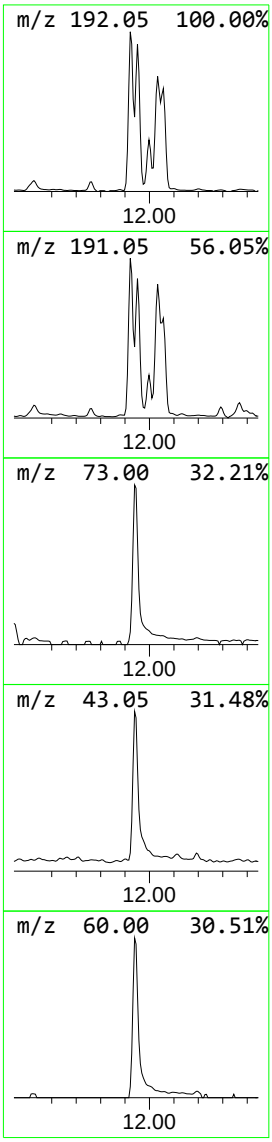
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	9.10 ng	449161	Phenanthrene-d10	11.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142660.D
Acq On : 06 Jun 2025 22:01
Operator : RC/JU
Sample : Q2202-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-12-20250603

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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
Benzene, 1,3-di...	5.387	125.9	ng	4360860	1	6.892	692969	20.0
Benzene, (1-met...	6.069	44.9	ng	1554290	1	6.892	692969	20.0
Benzene, propyl-	6.357	49.7	ng	1723510	1	6.892	692969	20.0
Benzene, 1-ethy...	6.451	18.6	ng	645281	1	6.892	692969	20.0
Benzene, 1-ethy...	6.581	75.6	ng	2620970	1	6.892	692969	20.0
Mesitylene	6.722	153.8	ng	5328660	1	6.892	692969	20.0
Benzene, 1,2,3-...	6.951	98.0	ng	3396710	1	6.892	692969	20.0
Benzene, 2-prop...	6.992	11.6	ng	400772	1	6.892	692969	20.0
Indane	7.081	218.3	ng	7565530	1	6.892	692969	20.0
Benzene, 1,3-di...	7.145	49.0	ng	1698720	1	6.892	692969	20.0
Benzene, 1,4-di...	7.210	45.5	ng	1576070	1	6.892	692969	20.0
Benzene, 1-meth...	7.287	10.3	ng	357653	1	6.892	692969	20.0
Benzene, 1-ethy...	7.357	34.8	ng	1204370	1	6.892	692969	20.0
unknown7.928	7.928	9.3	ng	8081910	2	8.186	17443100	20.0
2-Methylindene	7.975	9.1	ng	7914450	2	8.186	17443100	20.0
Naphthalene, 1-...	9.457	13.9	ng	964598	3	9.933	1382580	20.0
Naphthalene, 1,...	9.516	23.7	ng	1639690	3	9.933	1382580	20.0
Naphthalene, 2,...	9.592	38.4	ng	2654420	3	9.933	1382580	20.0
Naphthalene, 2,...	9.710	23.1	ng	1598720	3	9.933	1382580	20.0
Phenanthrene, 2...	11.945	9.1	ng	449161	4	11.422	987606	20.0

Raw Data: **BM050274.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	39.9	UD	39.9	100	ug/L
108-95-2	Phenol	9.30	UD	9.30	51.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	8.30	UD	8.30	51.0	ug/L
95-57-8	2-Chlorophenol	5.90	UD	5.90	51.0	ug/L
95-48-7	2-Methylphenol	11.4	UD	11.4	51.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.1	UD	13.1	51.0	ug/L
98-86-2	Acetophenone	7.60	UD	7.60	51.0	ug/L
65794-96-9	3+4-Methylphenols	11.2	UD	11.2	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.4	UD	14.4	25.5	ug/L
67-72-1	Hexachloroethane	6.60	UD	6.60	51.0	ug/L
98-95-3	Nitrobenzene	7.80	UD	7.80	51.0	ug/L
78-59-1	Isophorone	7.70	UD	7.70	51.0	ug/L
88-75-5	2-Nitrophenol	18.0	UD	18.0	51.0	ug/L
105-67-9	2,4-Dimethylphenol	18.9	UD	18.9	51.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	6.90	UD	6.90	51.0	ug/L
120-83-2	2,4-Dichlorophenol	5.30	UD	5.30	51.0	ug/L
91-20-3	Naphthalene	770	D	5.10	51.0	ug/L
106-47-8	4-Chloroaniline	8.60	UD	8.60	51.0	ug/L
87-68-3	Hexachlorobutadiene	5.50	UD	5.50	51.0	ug/L
105-60-2	Caprolactam	11.5	UD	11.5	100	ug/L
59-50-7	4-Chloro-3-methylphenol	6.00	UD	6.00	51.0	ug/L
91-57-6	2-Methylnaphthalene	160	D	5.70	51.0	ug/L
77-47-4	Hexachlorocyclopentadiene	37.0	UD	37.0	100	ug/L
88-06-2	2,4,6-Trichlorophenol	5.20	UD	5.20	51.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.30	UD	6.30	51.0	ug/L
92-52-4	1,1-Biphenyl	42.6	JD	5.40	51.0	ug/L
91-58-7	2-Chloronaphthalene	6.20	UD	6.20	51.0	ug/L
88-74-4	2-Nitroaniline	12.9	UD	12.9	51.0	ug/L
131-11-3	Dimethylphthalate	6.20	UD	6.20	51.0	ug/L

Raw Data: **BM050274.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	7.70	UD	7.70	51.0	ug/L
606-20-2	2,6-Dinitrotoluene	9.40	UD	9.40	51.0	ug/L
99-09-2	3-Nitroaniline	10.7	UD	10.7	51.0	ug/L
83-32-9	Acenaphthene	87.3	D	5.60	51.0	ug/L
51-28-5	2,4-Dinitrophenol	60.9	UD	60.9	100	ug/L
100-02-7	4-Nitrophenol	24.3	UD	24.3	100	ug/L
132-64-9	Dibenzofuran	6.20	UD	6.20	51.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.4	UD	12.4	51.0	ug/L
84-66-2	Diethylphthalate	7.00	UD	7.00	51.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	6.90	UD	6.90	51.0	ug/L
86-73-7	Fluorene	31.9	JD	6.40	51.0	ug/L
100-01-6	4-Nitroaniline	15.3	UD	15.3	51.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	29.4	UD	29.4	100	ug/L
86-30-6	n-Nitrosodiphenylamine	5.90	UD	5.90	51.0	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	UD	4.10	51.0	ug/L
118-74-1	Hexachlorobenzene	5.30	UD	5.30	51.0	ug/L
1912-24-9	Atrazine	10.3	UD	10.3	51.0	ug/L
87-86-5	Pentachlorophenol	16.1	UD	16.1	100	ug/L
85-01-8	Phenanthrene	50.9	JD	5.10	51.0	ug/L
120-12-7	Anthracene	6.20	UD	6.20	51.0	ug/L
86-74-8	Carbazole	7.30	UD	7.30	51.0	ug/L
84-74-2	Di-n-butylphthalate	12.4	UD	12.4	51.0	ug/L
206-44-0	Fluoranthene	8.40	UD	8.40	51.0	ug/L
129-00-0	Pyrene	5.10	UD	5.10	51.0	ug/L
85-68-7	Butylbenzylphthalate	19.7	UD	19.7	51.0	ug/L
91-94-1	3,3-Dichlorobenzidine	9.50	UD	9.50	100	ug/L
56-55-3	Benzo(a)anthracene	4.60	UD	4.60	51.0	ug/L
218-01-9	Chrysene	4.50	UD	4.50	51.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	16.3	UD	16.3	51.0	ug/L
117-84-0	Di-n-octyl phthalate	23.9	UD	23.9	100	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	UD	5.00	51.0	ug/L

Raw Data: **BM050274.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.90	UD	4.90	51.0	ug/L
50-32-8	Benzo(a)pyrene	5.60	UD	5.60	51.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	6.00	UD	6.00	51.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	6.80	UD	6.80	51.0	ug/L
191-24-2	Benzo(g,h,i)perylene	7.00	UD	7.00	51.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.30	UD	5.30	51.0	ug/L
123-91-1	1,4-Dioxane	10.2	UD	10.2	51.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.30	UD	7.30	51.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	101		23 - 138	67%	SPK: 150
13127-88-3	Phenol-d6	56.9		10 - 134	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		67 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.7		52 - 132	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		44 - 137	99%	SPK: 150
1718-51-0	Terphenyl-d14	106		42 - 152	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.763			
1146-65-2	Naphthalene-d8	1360000	10.551			
15067-26-2	Acenaphthene-d10	771000	14.392			
1517-22-2	Phenanthrene-d10	1510000	17.133			
1719-03-5	Chrysene-d12	1640000	21.362			
1520-96-3	Perylene-d12	1720000	24.339			

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_M\Data\BM060925\
Data File : BM050274.D
Acq On : 10 Jun 2025 12:38
Operator : RC/JU
Sample : Q2202-03DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Quant Time: Jun 10 13:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

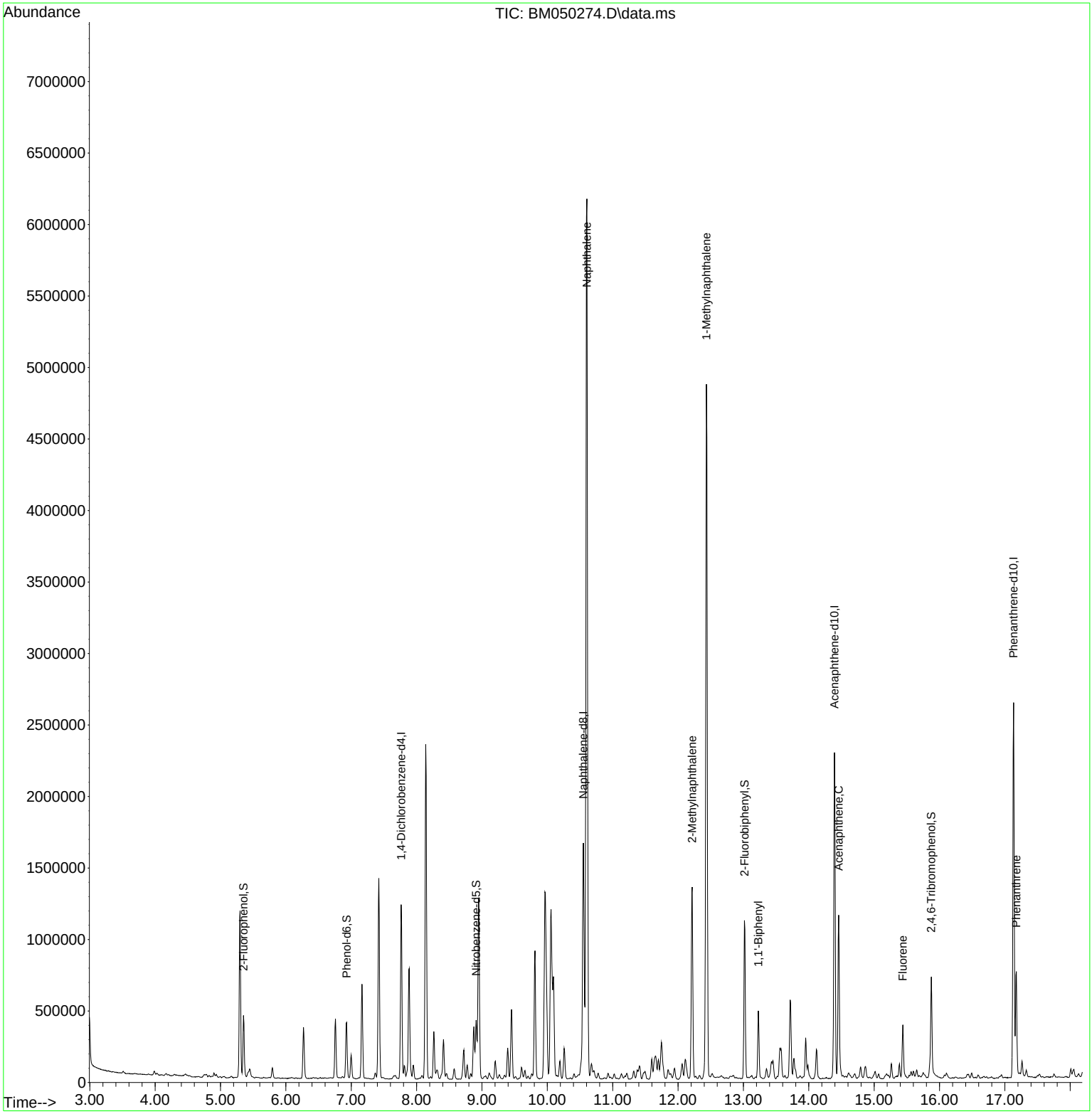
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	334632	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1355551	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	770915	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1509253	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1638874	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1724623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	202238	10.082	ng	0.00
7) Phenol-d6	6.928	99	150293	5.691	ng	0.00
23) Nitrobenzene-d5	8.910	82	242976	9.322	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	130318	14.862	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	562182	9.873	ng	-0.01
79) Terphenyl-d14	19.763	244	918863	10.625	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.604	128	5303692	75.675	ng	100
37) 2-Methylnaphthalene	12.216	142	652389	15.430	ng	100
38) 1-Methylnaphthalene	12.434	142	2300363	51.261	ng	99
46) 1,1'-Biphenyl	13.228	154	241213	4.179	ng	97
52) Acenaphthene	14.457	154	388430	8.555	ng	96
58) Fluorene	15.439	166	159079	3.127	ng	98
71) Phenanthrene	17.175	178	429996	4.987	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050274.D
Acq On : 10 Jun 2025 12:38
Operator : RC/JU
Sample : Q2202-03DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

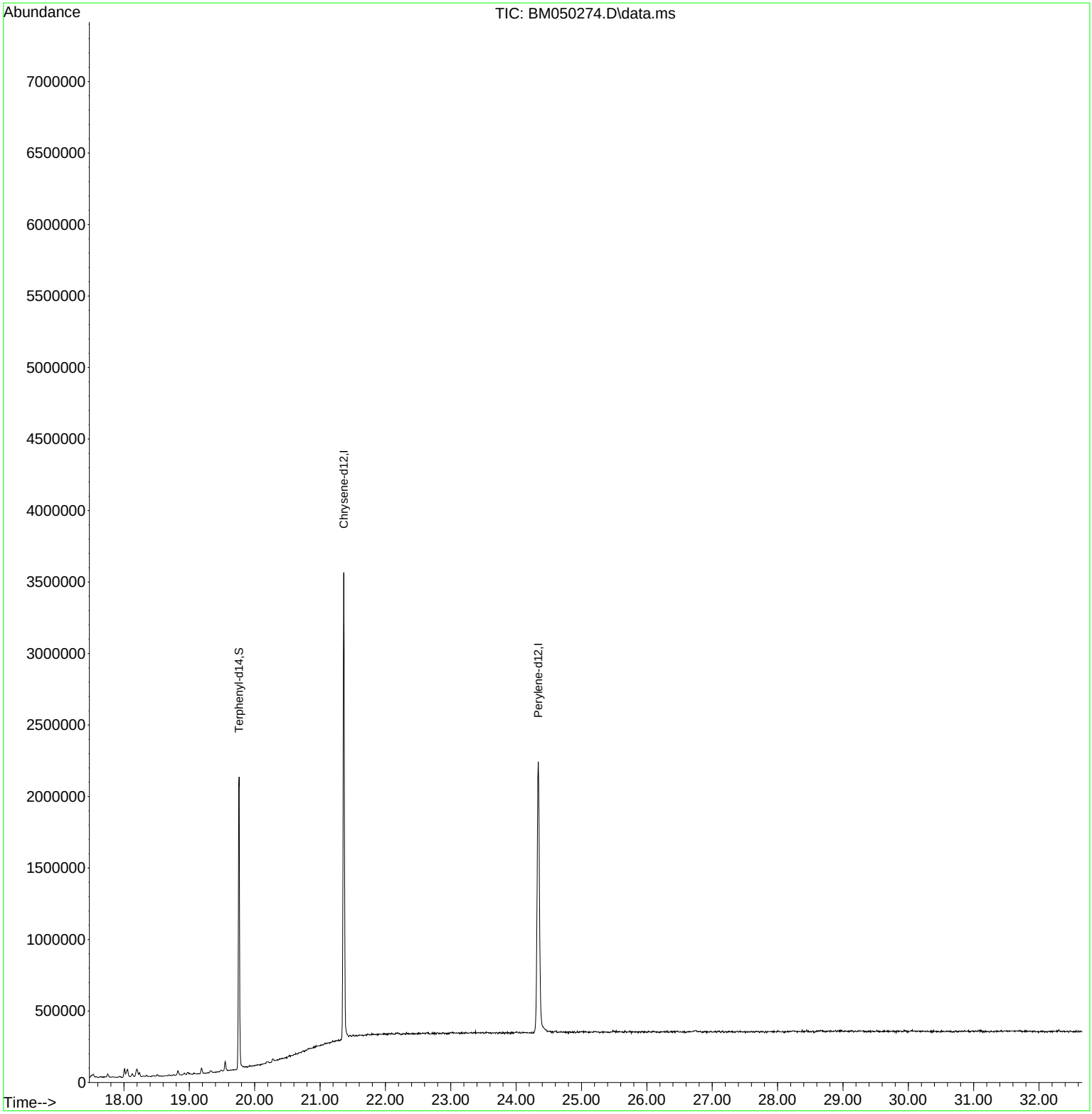
Quant Time: Jun 10 13:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

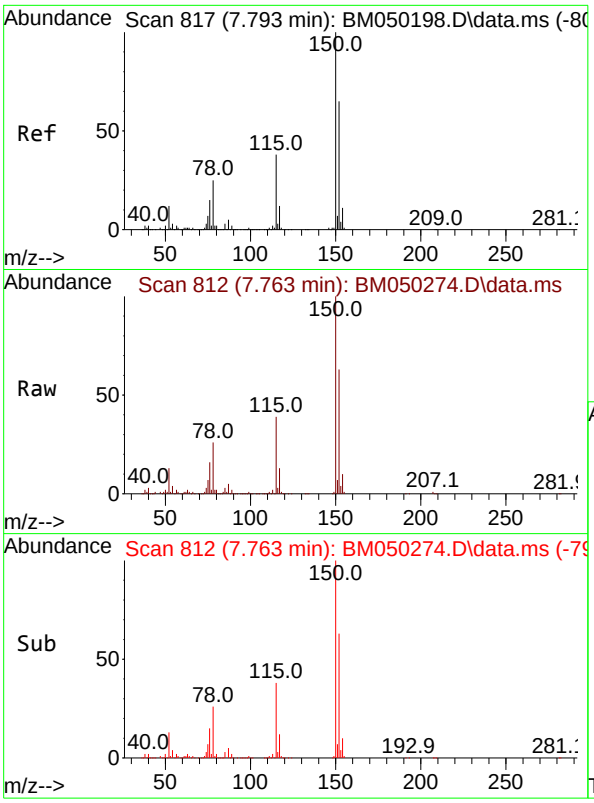


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050274.D
Acq On : 10 Jun 2025 12:38
Operator : RC/JU
Sample : Q2202-03DL 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Quant Time: Jun 10 13:12:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



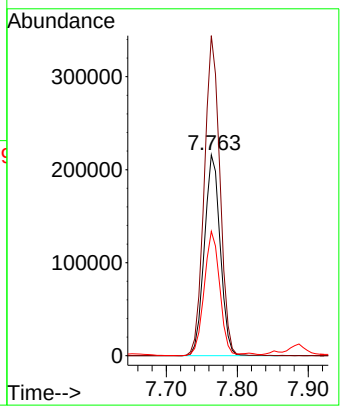


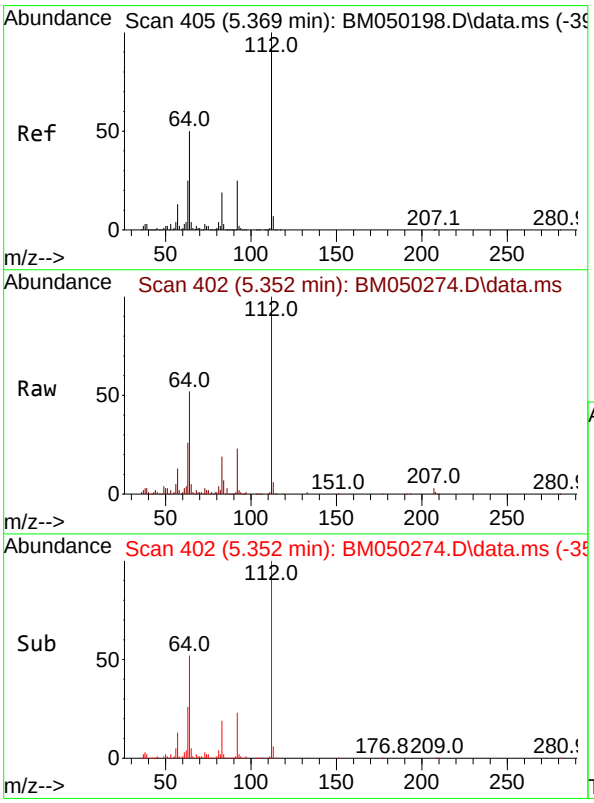
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:152 Resp: 334632

Ion	Ratio	Lower	Upper
152	100		
150	159.4	122.2	183.4
115	61.9	46.3	69.5

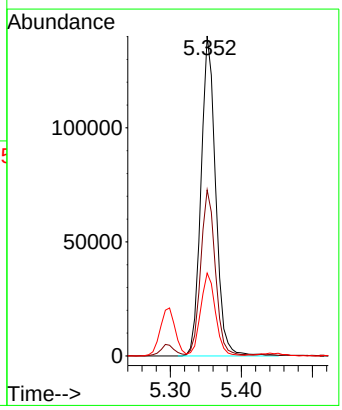


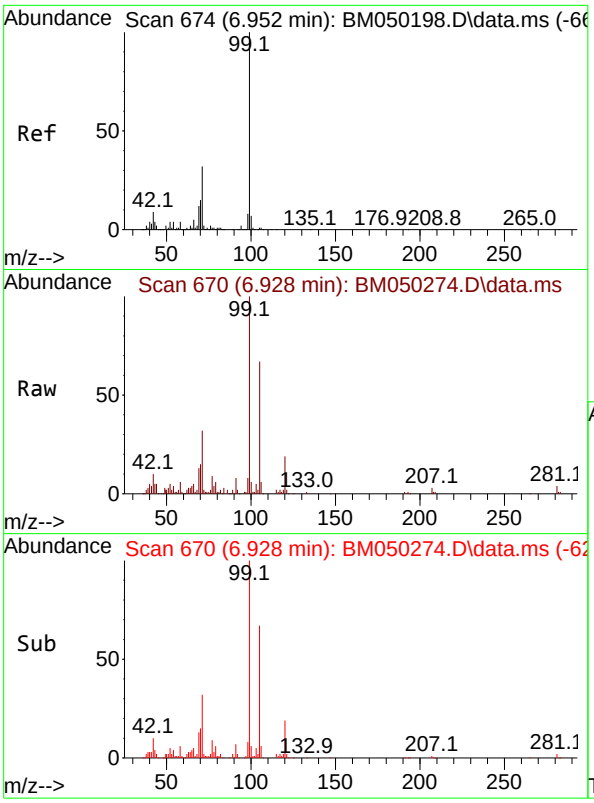


#5
2-Fluorophenol
Concen: 10.082 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:112 Resp: 202238

Ion	Ratio	Lower	Upper
112	100		
64	51.9	39.8	59.6
63	25.9	19.8	29.8



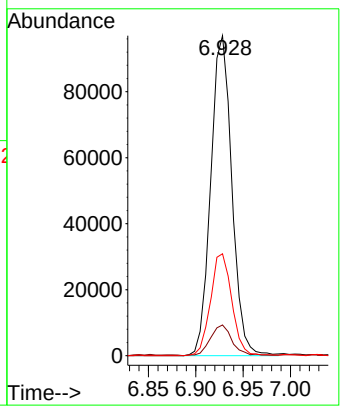


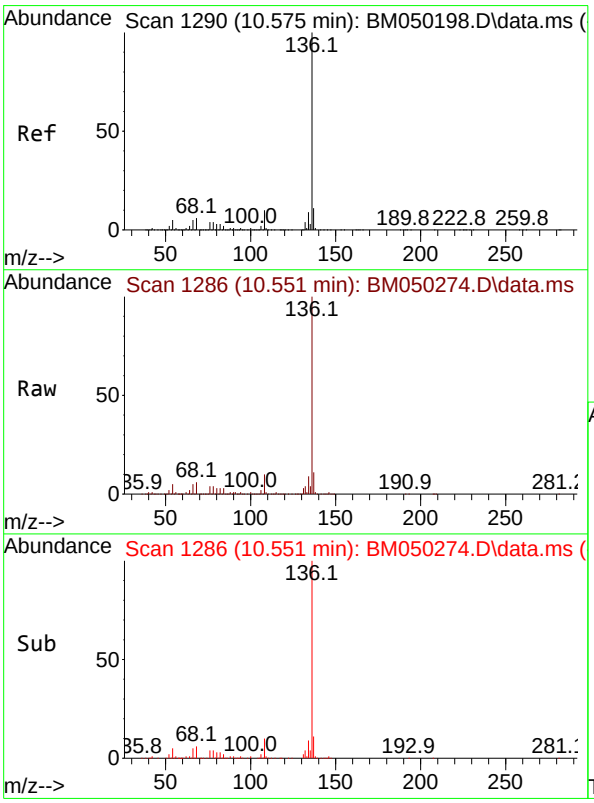
#7
Phenol-d6
Concen: 5.691 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion: 99 Resp: 150293

Ion	Ratio	Lower	Upper
99	100		
42	9.6	6.9	10.3
71	31.9	25.3	37.9

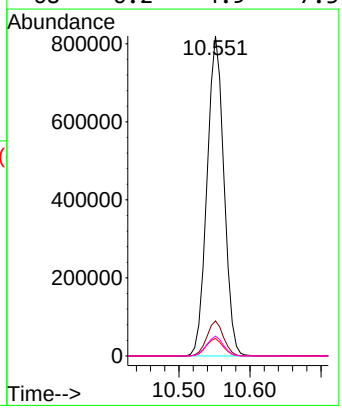


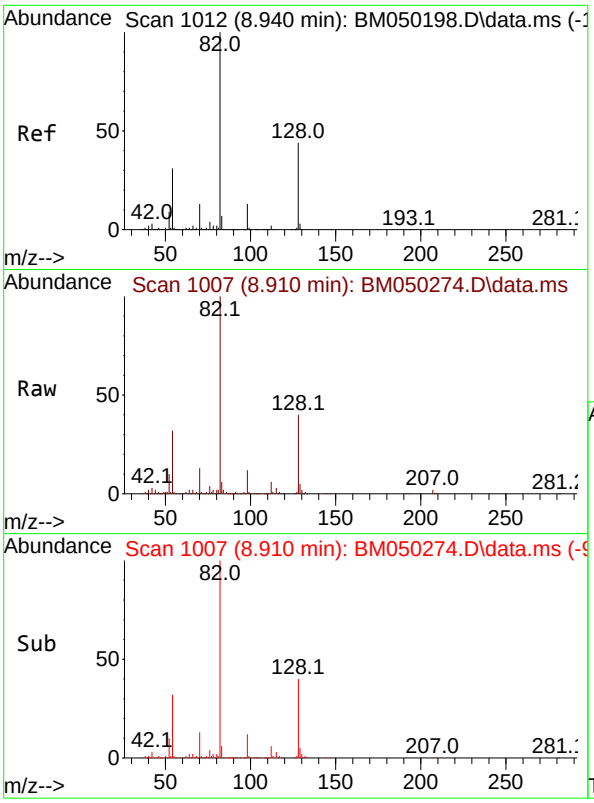


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:136 Resp: 1355551

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.5	3.8	5.8
68	6.2	4.9	7.3



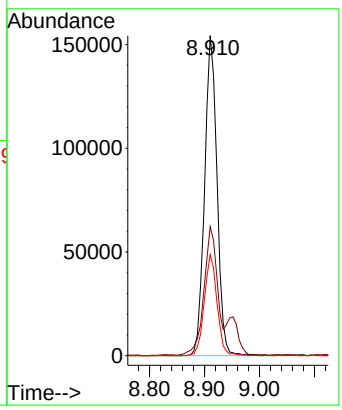


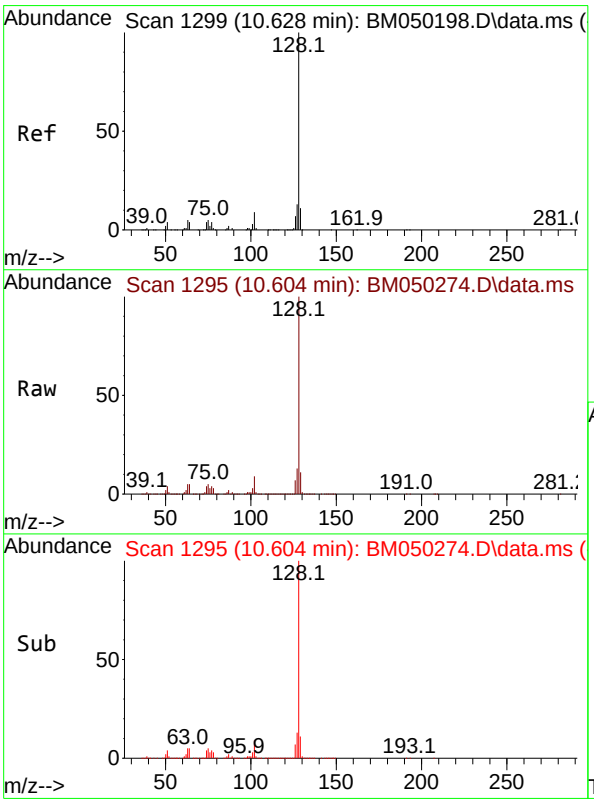
#23
Nitrobenzene-d5
Concen: 9.322 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion: 82 Resp: 242976

Ion	Ratio	Lower	Upper
82	100		
128	40.3	35.2	52.8
54	31.5	24.5	36.7

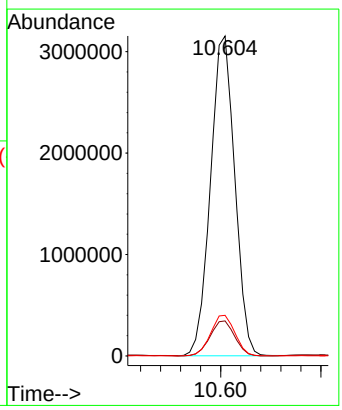


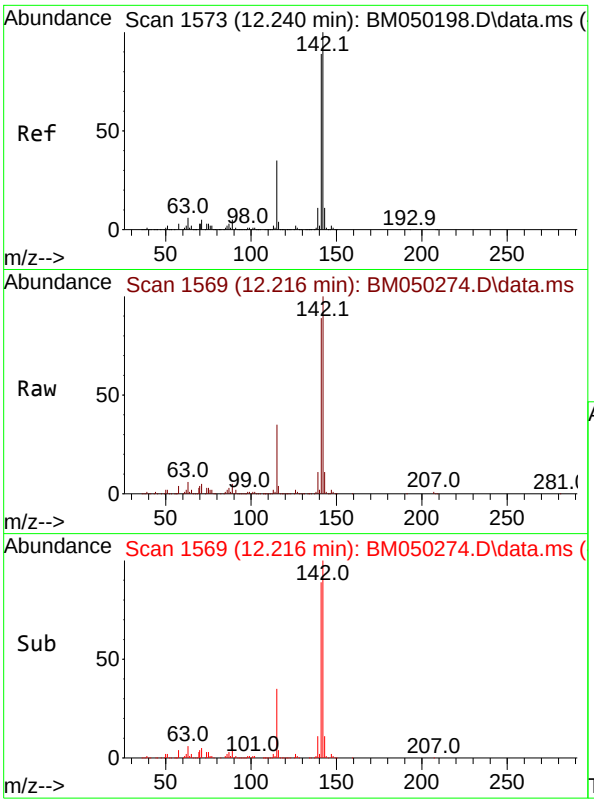


#31
Naphthalene
Concen: 75.675 ng
RT: 10.604 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:128 Resp: 5303692

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.7	10.2	15.4



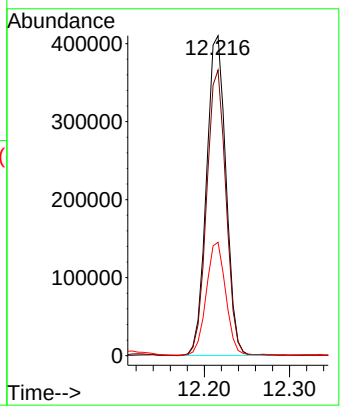


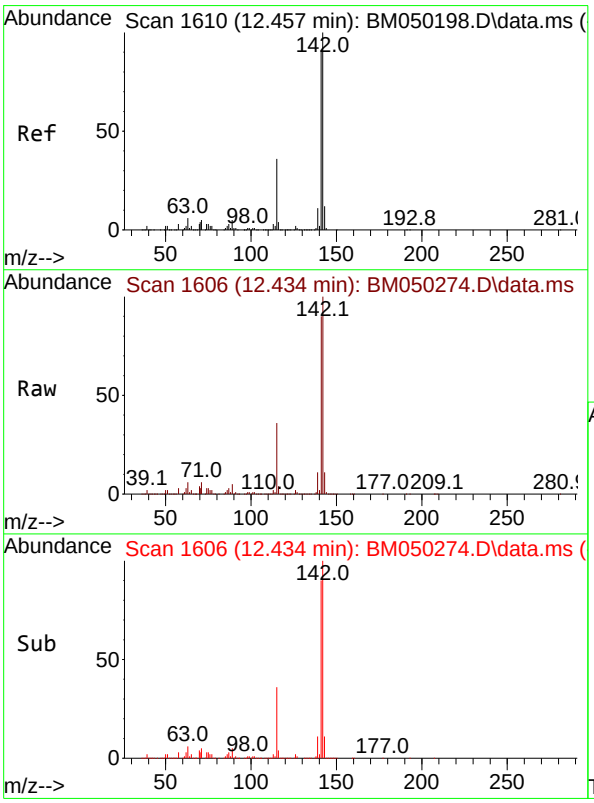
#37
2-Methylnaphthalene
Concen: 15.430 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:142 Resp: 652389

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.5	107.3
115	35.4	27.8	41.8

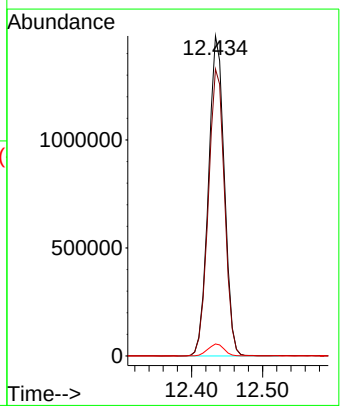


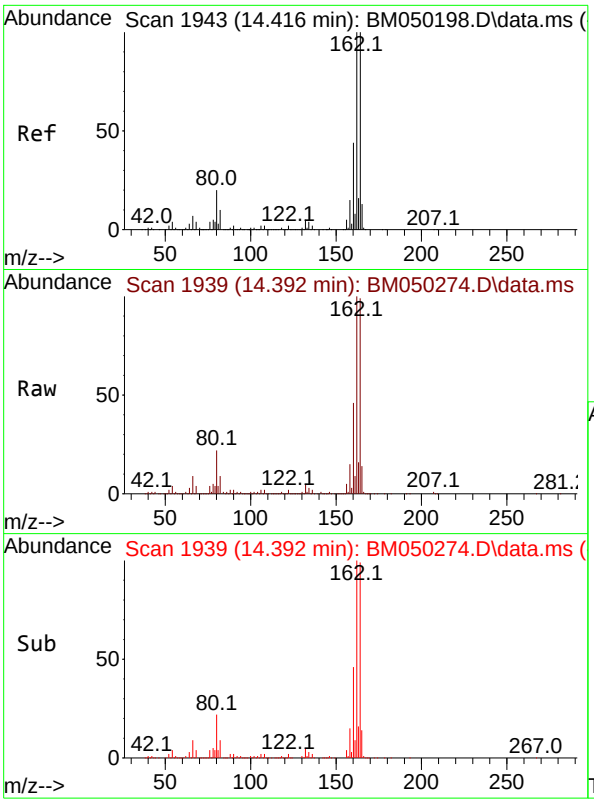


#38
1-Methylnaphthalene
Concen: 51.261 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:142 Resp: 2300363

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.9	109.3
116	3.7	3.0	4.6



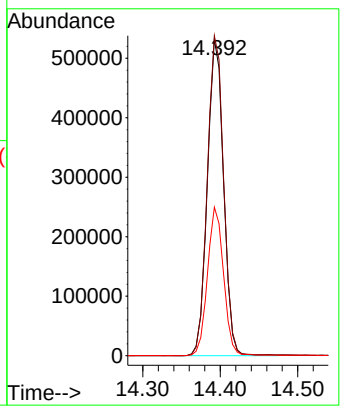


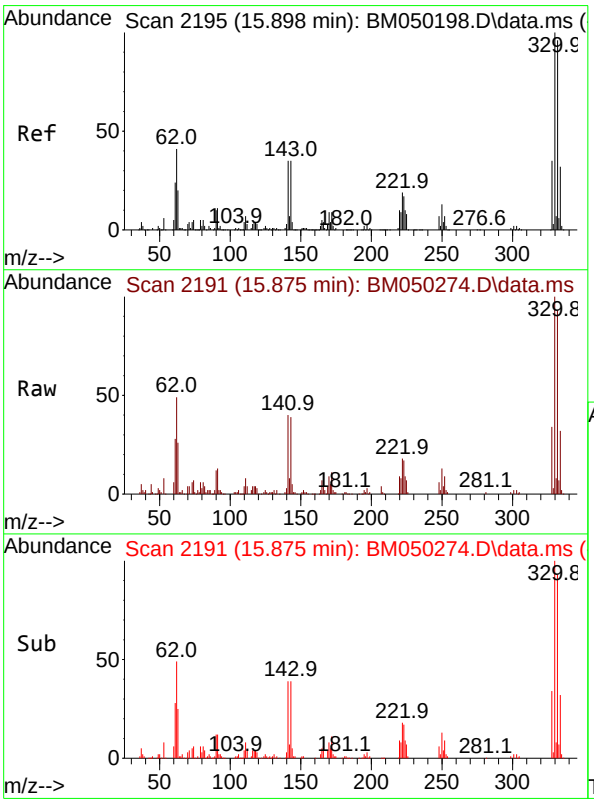
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:164 Resp: 770915

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.4
160	47.0	35.7	53.5

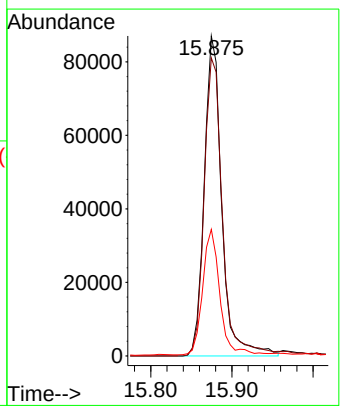


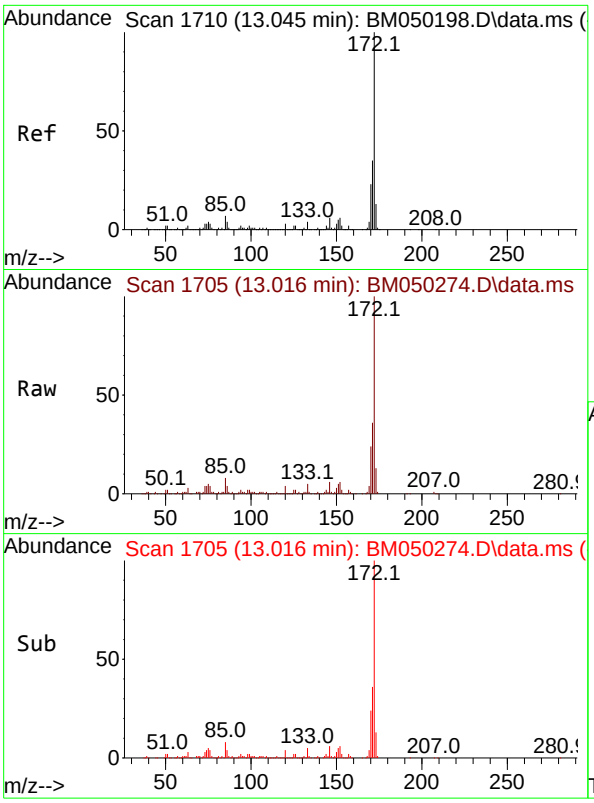


#42
2,4,6-Tribromophenol
Concen: 14.862 ng
RT: 15.875 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:330 Resp: 130318

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.5	116.3
141	38.3	28.8	43.2



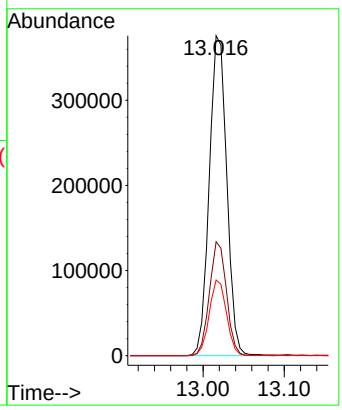


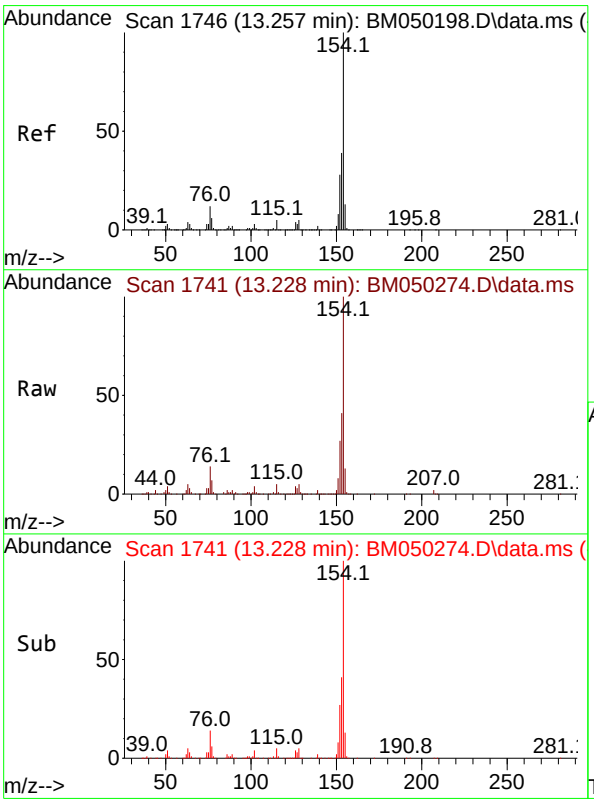
#45
2-Fluorobiphenyl
Concen: 9.873 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:172 Resp: 562182

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.7	18.6	27.8

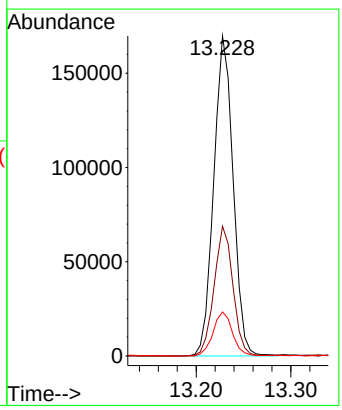


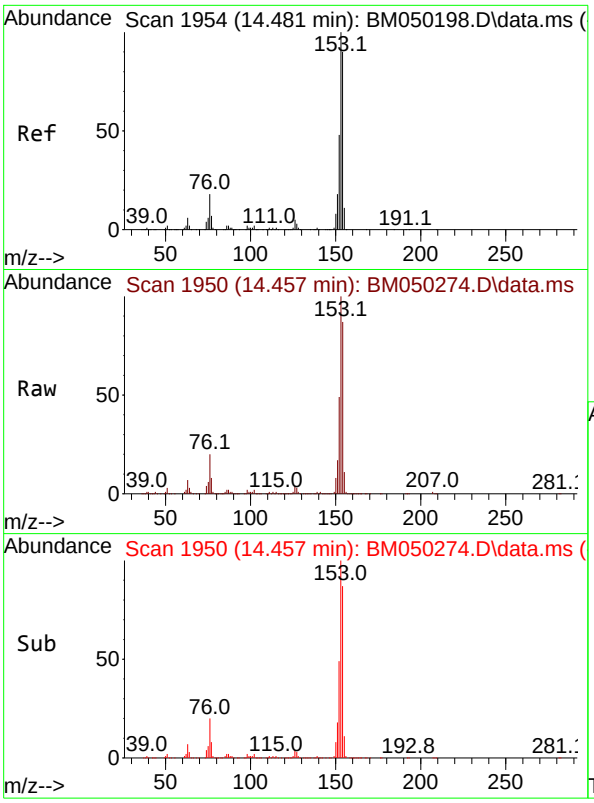


#46
1,1'-Biphenyl
Concen: 4.179 ng
RT: 13.228 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:154 Resp: 241213

Ion	Ratio	Lower	Upper
154	100		
153	40.6	19.2	59.2
76	13.8	0.0	32.0



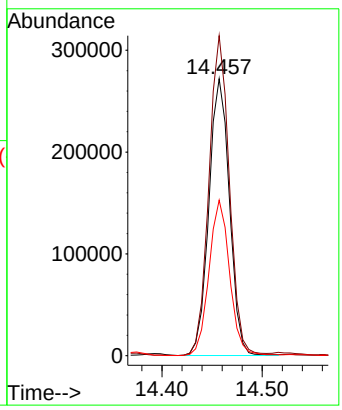


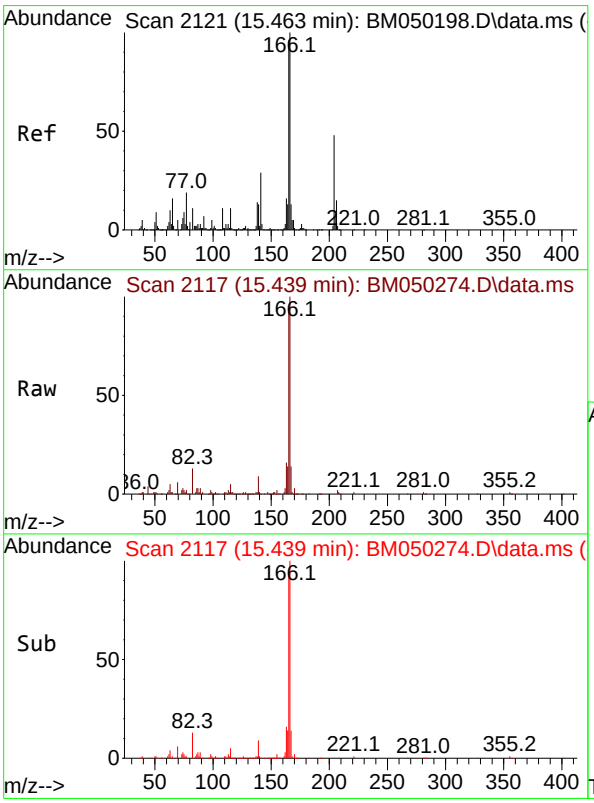
#52
Acenaphthene
Concen: 8.555 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:154 Resp: 388430

Ion	Ratio	Lower	Upper
154	100		
153	115.5	88.7	133.1
152	56.2	42.6	63.8

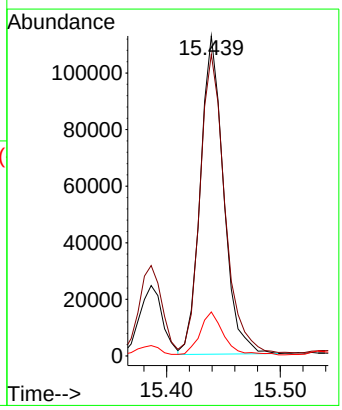


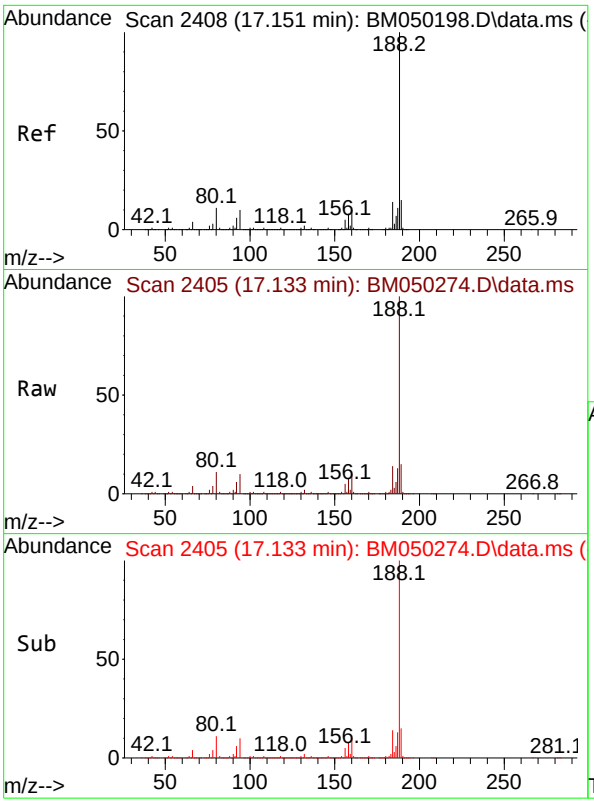


#58
Fluorene
Concen: 3.127 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:166 Resp: 159079

Ion	Ratio	Lower	Upper
166	100		
165	94.2	77.0	115.4
167	13.8	10.7	16.1



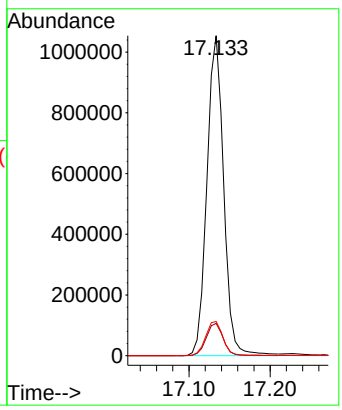


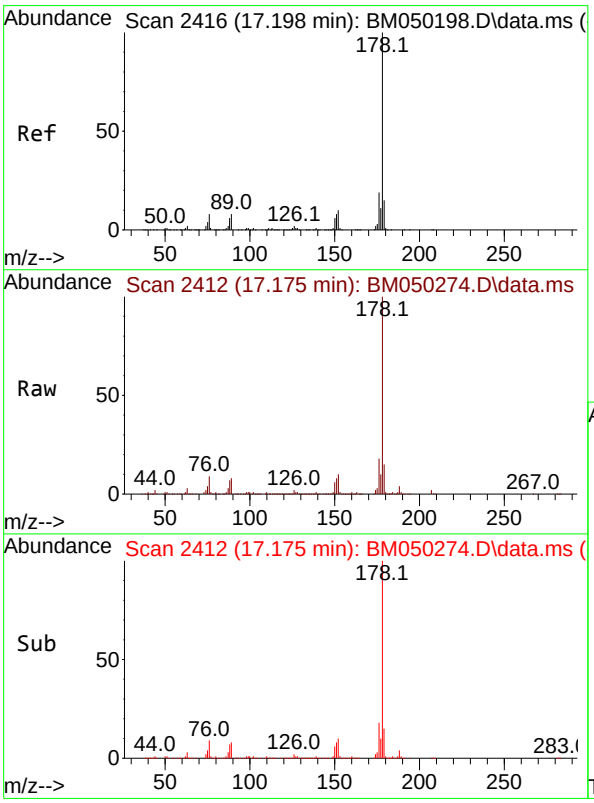
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:188 Resp: 1509253

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	10.7	8.6	13.0

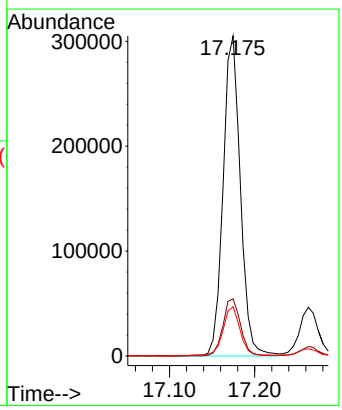


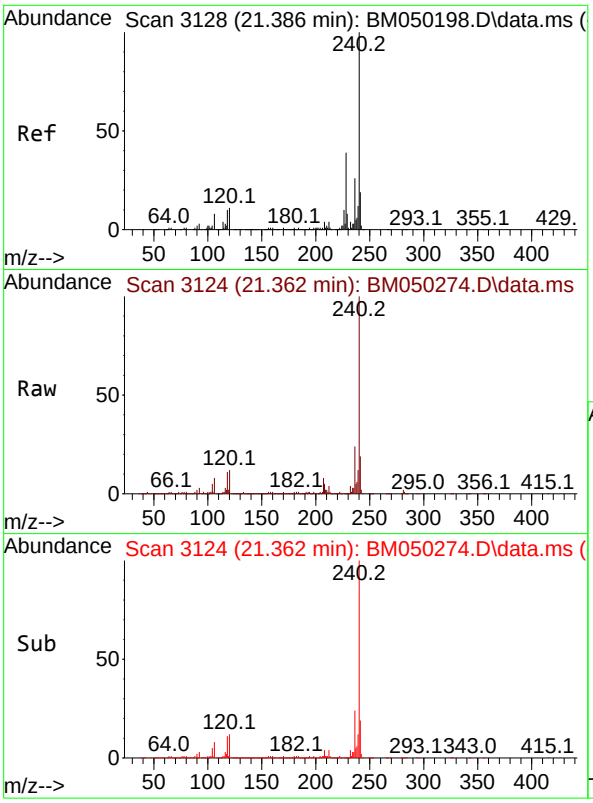


#71
Phenanthrene
Concen: 4.987 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:178 Resp: 429996

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.4	12.3	18.5



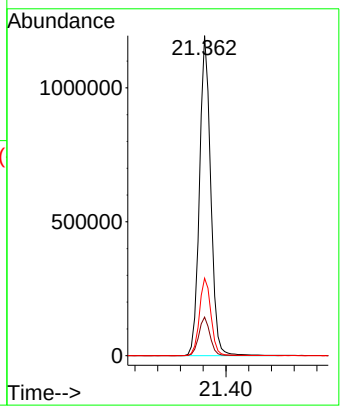


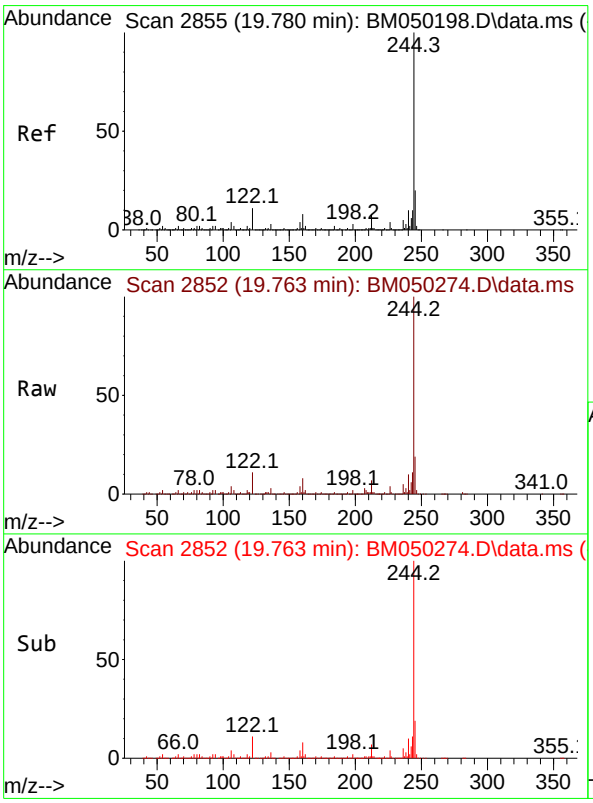
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.362 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:240 Resp: 1638874

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.0	13.4
236	24.2	20.7	31.1

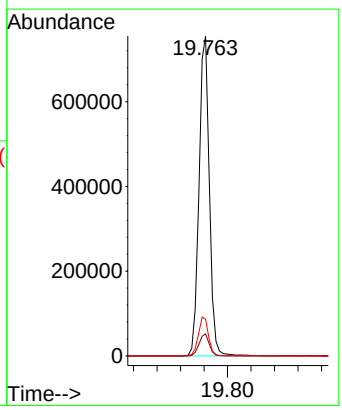


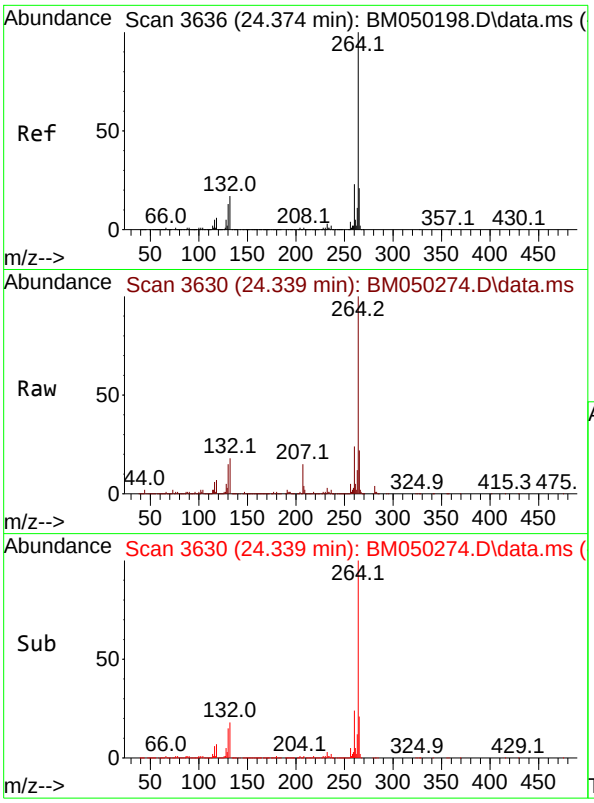


#79
Terphenyl-d14
Concen: 10.625 ng
RT: 19.763 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Tgt Ion:244 Resp: 918863

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.5	8.6	12.8



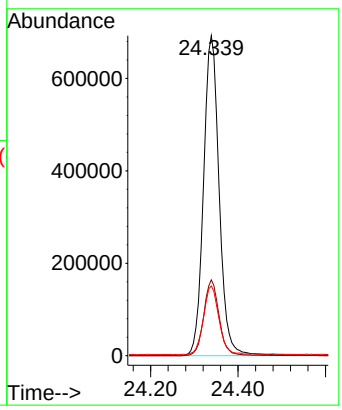


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.339 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050274.D
Acq: 10 Jun 2025 12:38

Instrument :
BNA_M
ClientSampleId :
MW-12-20250603DL

Tgt Ion:264 Resp: 1724623

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.8	16.8	25.2



CALIBRATION SUMMARY

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date(s): 05/20/2025 05/20/2025

Calibration Time(s): 12:10 15:31

LAB FILE ID: RRF2.5 = BF142467.D RRF005 = BF142468.D RRF010 = BF142469.D
RRF020 = BF142470.D RRF040 = BF142471.D RRF050 = BF142472.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.187	5.0
Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.859	17.8
Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.429	4.8
Phenol		1.716	1.621	1.646	1.530	1.657	1.608	4.8
bis(2-Chloroethyl)ether		1.202	1.155	1.168	1.108	1.209	1.157	3.5
2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.293	3.4
2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.010	3.3
2,2-oxybis(1-Chloropropane)		2.082	1.978	1.983	1.868	2.011	1.944	5.1
Acetophenone		0.480	0.453	0.459	0.429	0.452	0.443	6.0
3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.293	6.6
n-Nitroso-di-n-propylamine	0.923	0.941	0.880	0.900	0.843	0.912	0.886	4.7
Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.367	3.5
Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.507	4.2
Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	2.9
Isophorone		0.636	0.615	0.620	0.593	0.638	0.613	3.3
2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.177	4.4
2,4-Dimethylphenol		0.315	0.315	0.318	0.303	0.325	0.312	3.2
bis(2-Chloroethoxy)methane		0.406	0.394	0.394	0.364	0.391	0.383	4.6
2,4-Dichlorophenol		0.288	0.282	0.290	0.276	0.300	0.283	3.7
Naphthalene		1.061	1.021	1.020	0.941	1.007	0.985	5.9
4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.399	6.9
Hexachlorobutadiene		0.203	0.192	0.197	0.187	0.198	0.192	4.5
Caprolactam		0.081	0.076	0.083	0.079	0.085	0.080	4.3
4-Chloro-3-methylphenol		0.304	0.290	0.299	0.282	0.301	0.291	4.0
2-Methylnaphthalene		0.679	0.638	0.646	0.590	0.631	0.620	6.6
Hexachlorocyclopentadiene		0.318	0.350	0.383	0.393	0.430	0.387	10.6
2,4,6-Trichlorophenol		0.387	0.373	0.406	0.371	0.406	0.387	3.7
2-Fluorobiphenyl		1.726	1.619	1.558	1.387	1.480	1.490	10.5
2,4,5-Trichlorophenol		0.410	0.411	0.416	0.395	0.437	0.408	4.3
1,1-Biphenyl		1.672	1.605	1.595	1.480	1.595	1.552	5.8
2-Chloronaphthalene		1.218	1.170	1.177	1.094	1.183	1.146	4.8
2-Nitroaniline		0.333	0.318	0.338	0.324	0.354	0.331	3.7
Dimethylphthalate		1.441	1.340	1.367	1.255	1.366	1.320	6.2
Acenaphthylene		2.064	1.982	2.027	1.851	1.998	1.936	5.8

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date(s): 05/20/2025 05/20/2025

Calibration Time(s): 12:10 15:31

LAB FILE ID: RRF2.5 = BF142467.D RRF005 = BF142468.D RRF010 = BF142469.D
RRF020 = BF142470.D RRF040 = BF142471.D RRF050 = BF142472.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.290	0.283	0.289	0.280	0.302	0.285	3.7
3-Nitroaniline		0.320	0.309	0.328	0.299	0.330	0.311	5.0
Acenaphthene		1.259	1.222	1.227	1.120	1.223	1.182	5.7
2,4-Dinitrophenol			0.110	0.137	0.149	0.169	0.147	14.4
4-Nitrophenol		0.221	0.217	0.242	0.227	0.252	0.230	5.6
Dibenzofuran		1.886	1.766	1.768	1.606	1.736	1.701	7.4
2,4-Dinitrotoluene		0.372	0.367	0.387	0.364	0.398	0.372	4.6
Diethylphthalate		1.422	1.310	1.359	1.231	1.343	1.289	7.5
4-Chlorophenyl-phenylether		0.724	0.678	0.676	0.609	0.653	0.646	8.3
Fluorene		1.477	1.399	1.372	1.231	1.343	1.314	8.9
4-Nitroaniline		0.303	0.283	0.303	0.277	0.294	0.282	7.0
4,6-Dinitro-2-methylphenol		0.086	0.094	0.110	0.115	0.129	0.112	14.7
n-Nitrosodiphenylamine		0.712	0.682	0.696	0.649	0.697	0.684	3.3
2,4,6-Tribromophenol		0.230	0.225	0.234	0.211	0.233	0.222	5.4
4-Bromophenyl-phenylether		0.240	0.235	0.239	0.222	0.246	0.236	3.5
Hexachlorobenzene		0.265	0.267	0.263	0.251	0.273	0.262	3.2
Atrazine		0.184	0.174	0.186	0.178	0.196	0.182	4.3
Pentachlorophenol		0.130	0.135	0.149	0.147	0.162	0.148	7.9
Phenanthrene		1.196	1.094	1.100	1.012	1.085	1.069	7.0
Anthracene		1.191	1.132	1.124	1.036	1.110	1.091	6.1
Carbazole		1.030	0.968	0.982	0.889	0.950	0.933	7.4
Di-n-butylphthalate		1.108	1.039	1.083	0.976	1.059	1.021	7.0
Fluoranthene		1.177	1.081	1.052	0.938	0.997	0.999	11.4
Pyrene		1.929	1.967	2.066	1.859	1.959	1.866	9.8
Terphenyl-d14		1.624	1.582	1.660	1.423	1.492	1.464	12.8
Butylbenzylphthalate		0.462	0.453	0.525	0.526	0.575	0.516	8.5
3,3-Dichlorobenzidine		0.360	0.364	0.402	0.407	0.444	0.405	8.3
Benzo(a)anthracene		1.424	1.287	1.403	1.278	1.391	1.336	5.4
Chrysene		1.222	1.204	1.193	1.145	1.255	1.200	3.2
Bis(2-ethylhexyl)phthalate		0.510	0.548	0.618	0.673	0.765	0.660	15.9
Di-n-octyl phthalate			0.958	1.108	1.266	1.432	1.290	17.3
Benzo(b)fluoranthene		1.317	1.105	1.293	1.126	1.209	1.184	7.6
Benzo(k)fluoranthene		1.191	1.166	1.032	1.042	1.178	1.109	6.7
Benzo(a)pyrene		1.154	1.081	1.114	1.081	1.185	1.116	4.0
Indeno(1,2,3-cd)pyrene		1.421	1.495	1.583	1.448	1.583	1.501	4.6

All other compounds must meet a minimum RRF of 0.010.

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date(s): 05/20/2025 05/20/2025

Calibration Time(s): 12:10 15:31

LAB FILE ID: RRF2.5 = BF142467.D RRF005 = BF142468.D RRF010 = BF142469.D
RRF020 = BF142470.D RRF040 = BF142471.D RRF050 = BF142472.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.152	1.228	1.275	1.184	1.290	1.218	4.7
Benzo(g,h,i)perylene		1.154	1.220	1.270	1.180	1.299	1.218	4.6
1,2,4,5-Tetrachlorobenzene		0.592	0.580	0.588	0.552	0.592	0.574	3.4
1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.475	3.8
2,3,4,6-Tetrachlorophenol		0.347	0.336	0.360	0.333	0.361	0.341	4.7

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142467.D
Acq On : 20 May 2025 12:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 20 16:54:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93808	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	371457	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	211662	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	381744	20.000	ng	0.00
76) Chrysene-d12	14.074	240	236443	20.000	ng	0.00
86) Perylene-d12	15.568	264	169046	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...	7.298	70	10828	2.607	ng	97

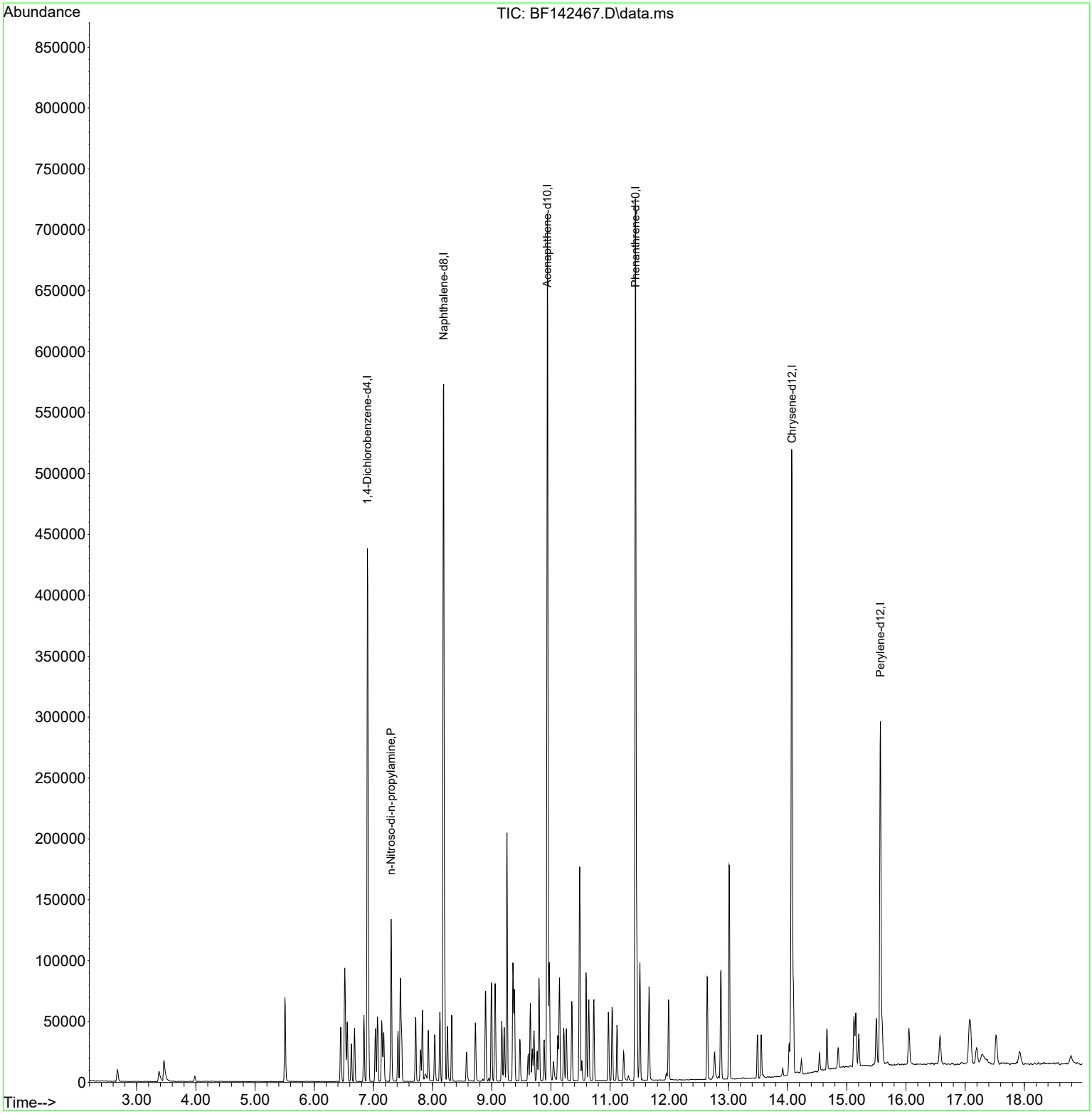
(#) = qualifier out of range (m) = manual integration (+) = signals summed

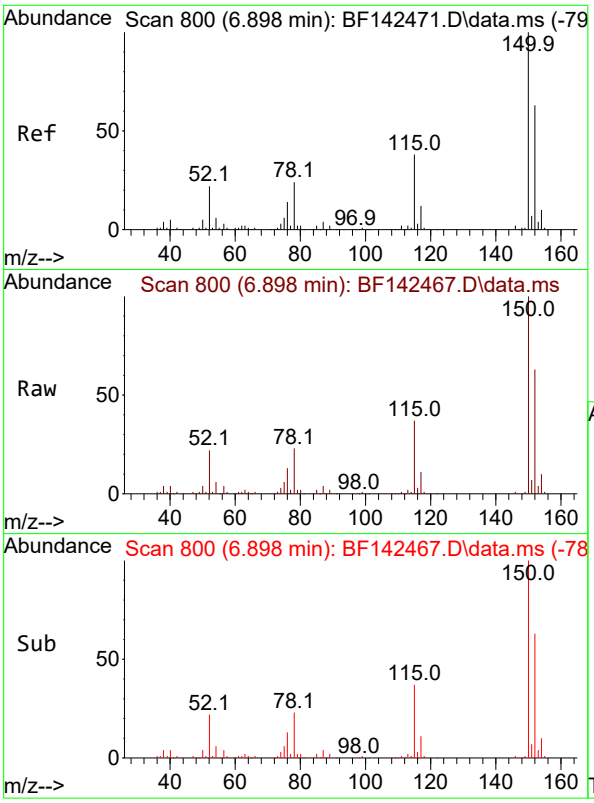
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142467.D
Acq On : 20 May 2025 12:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 20 16:54:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



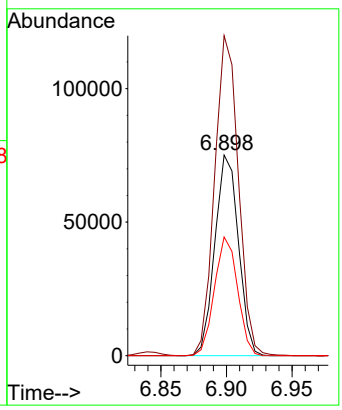


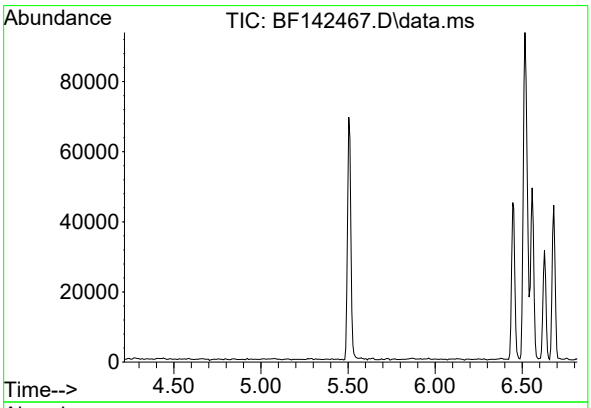
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 93808

Ion	Ratio	Lower	Upper
152	100		
150	159.5	128.2	192.4
115	59.2	48.3	72.5



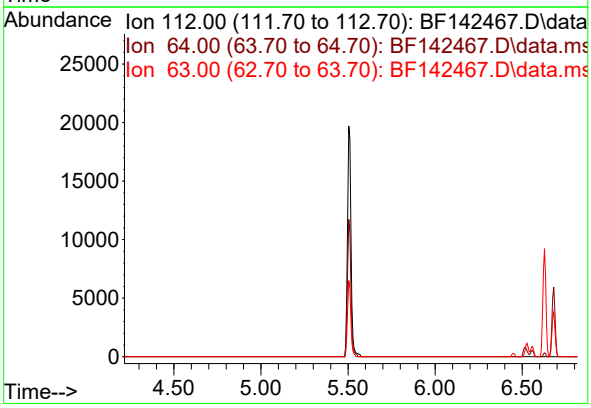


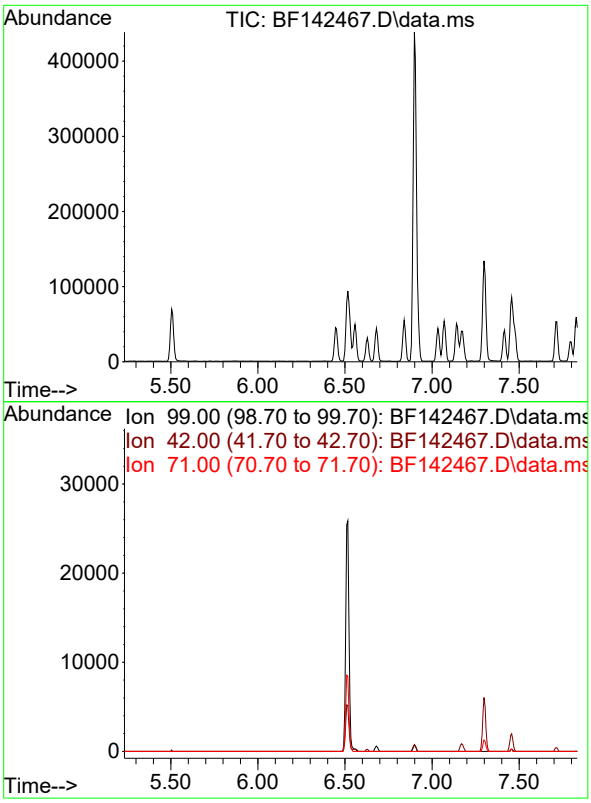
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.52 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.4
63	31.1





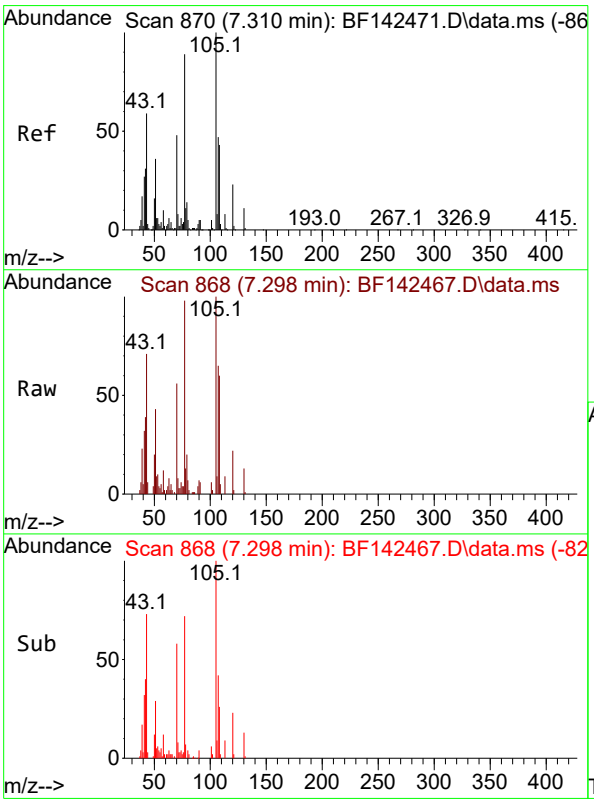
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.53 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

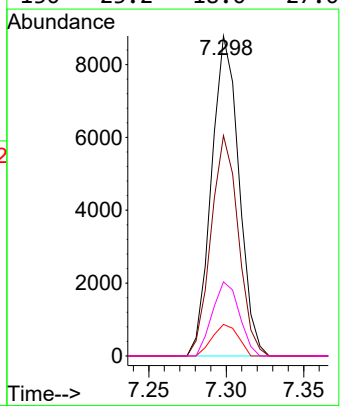
Sig	Exp Ratio
99	100
42	20.2
71	34.1

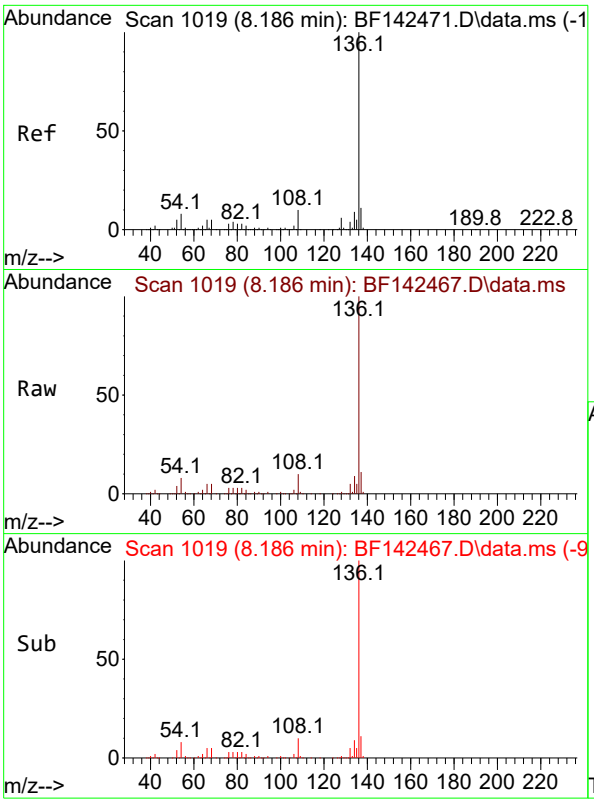


#19
n-Nitroso-di-n-propylamine
Concen: 2.607 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.029 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 70 Resp: 10828

Ion	Ratio	Lower	Upper
70	100		
42	68.8	52.4	78.6
101	9.9	7.8	11.8
130	23.2	18.0	27.0



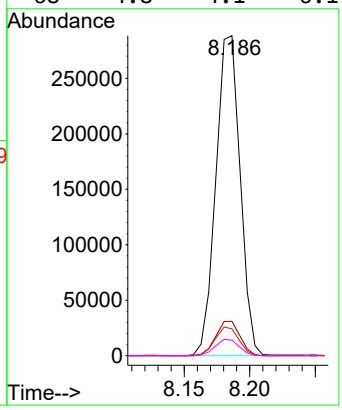


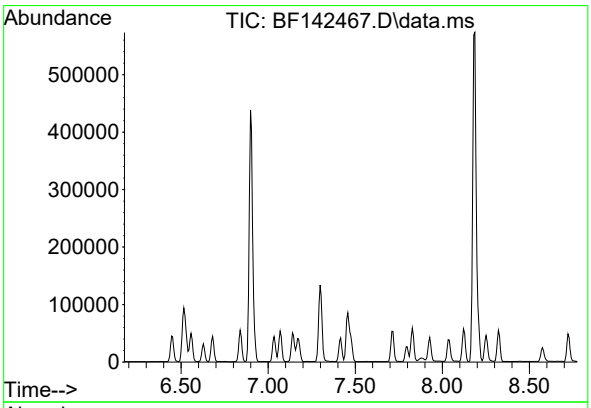
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 371457

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.4	6.6	10.0
68	4.8	4.1	6.1



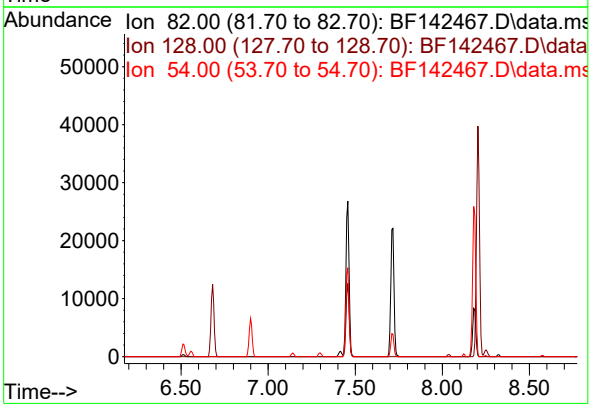


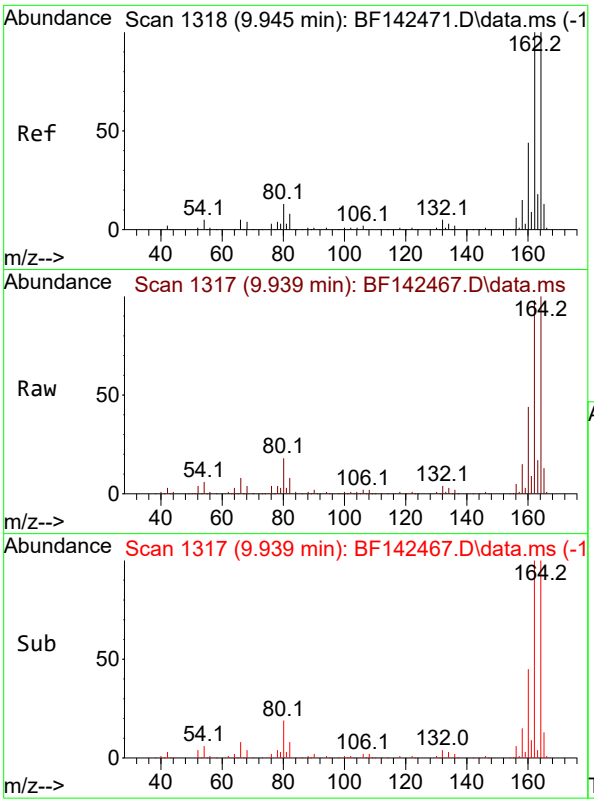
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.8
54	58.3



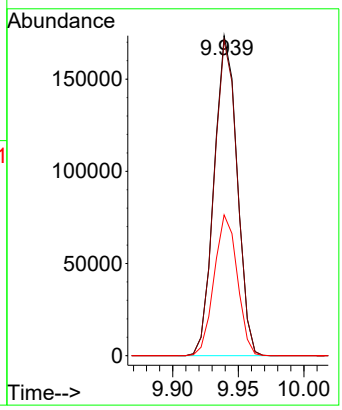


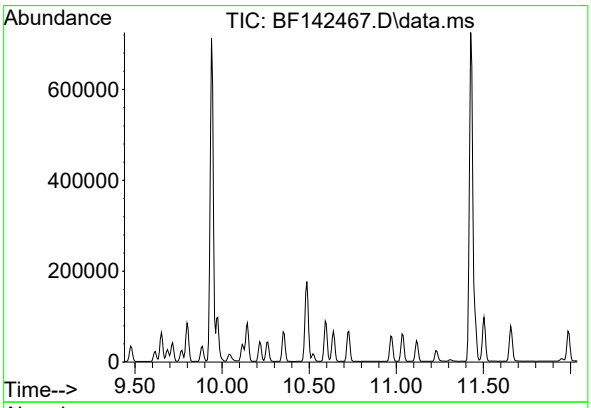
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 211662

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.2	120.4
160	44.0	35.6	53.4



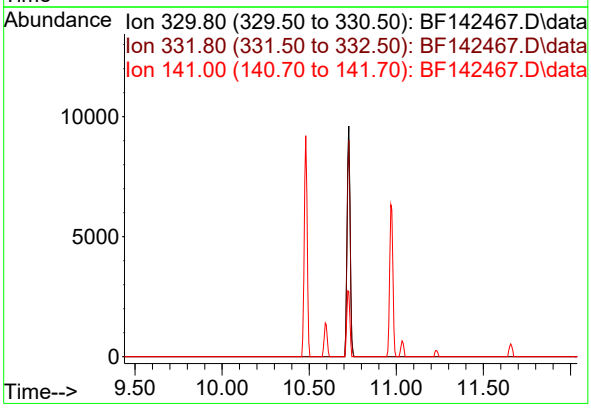


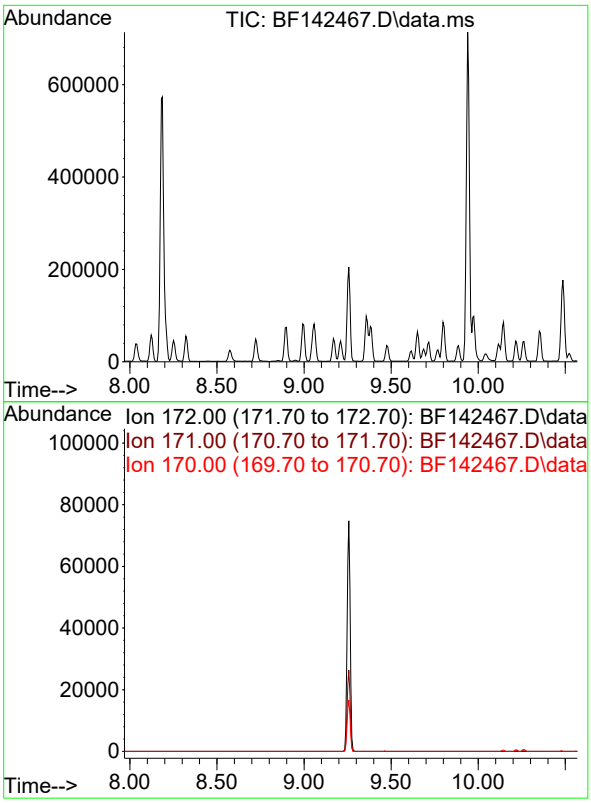
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.74 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	30.7





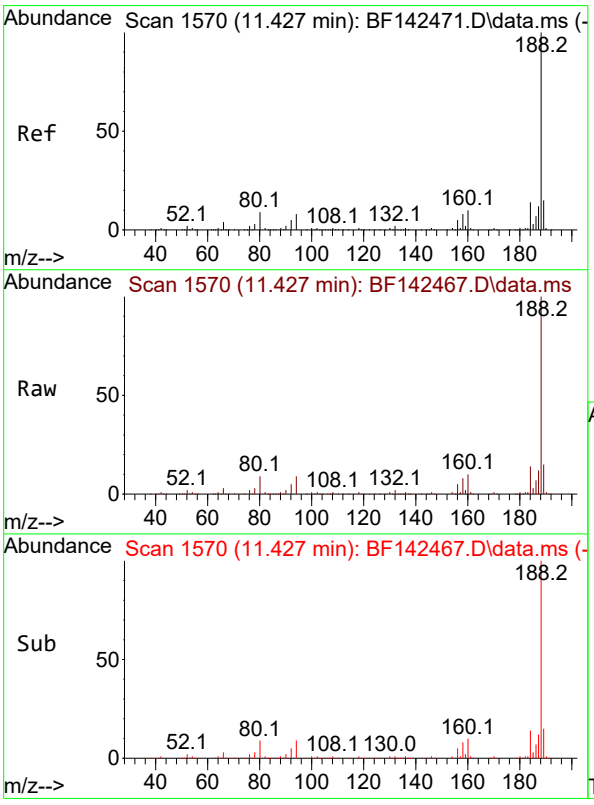
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.27 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

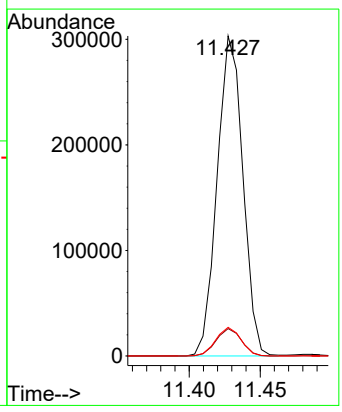
Sig	Exp Ratio
172	100
171	35.7
170	23.6

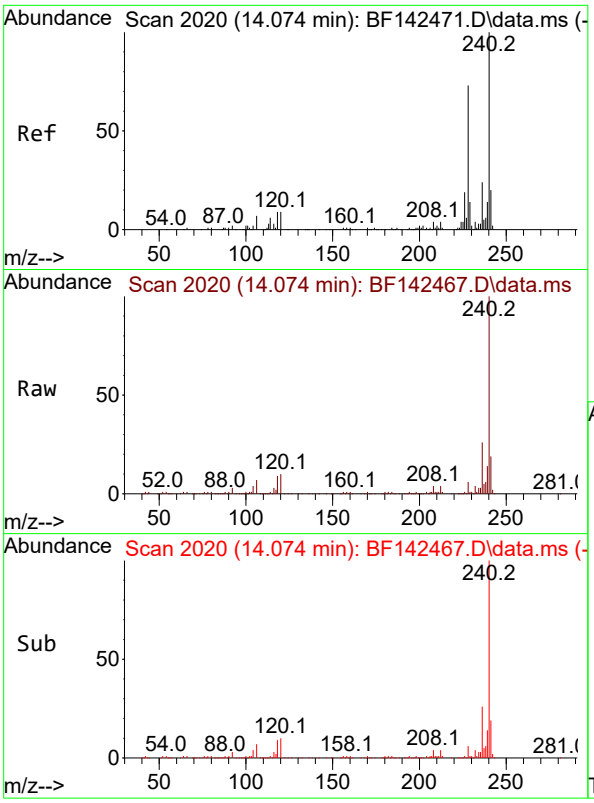


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion:188 Resp: 381744

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.0	7.4	11.0



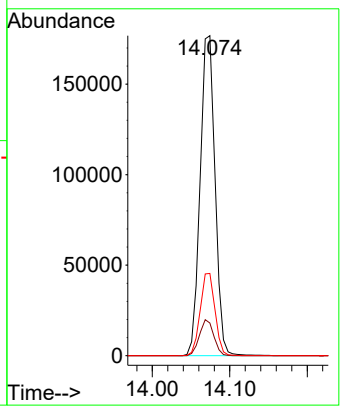


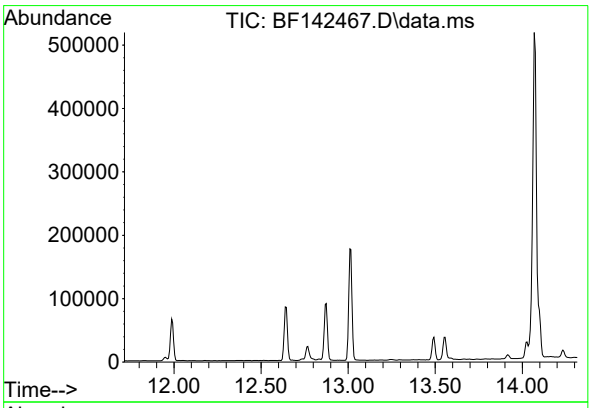
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 236443

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.5	11.3
236	25.7	19.6	29.4



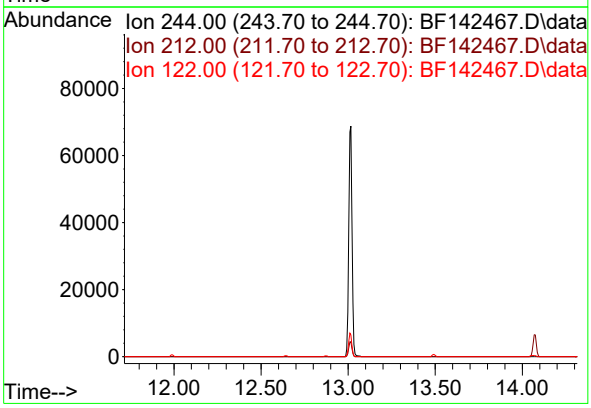


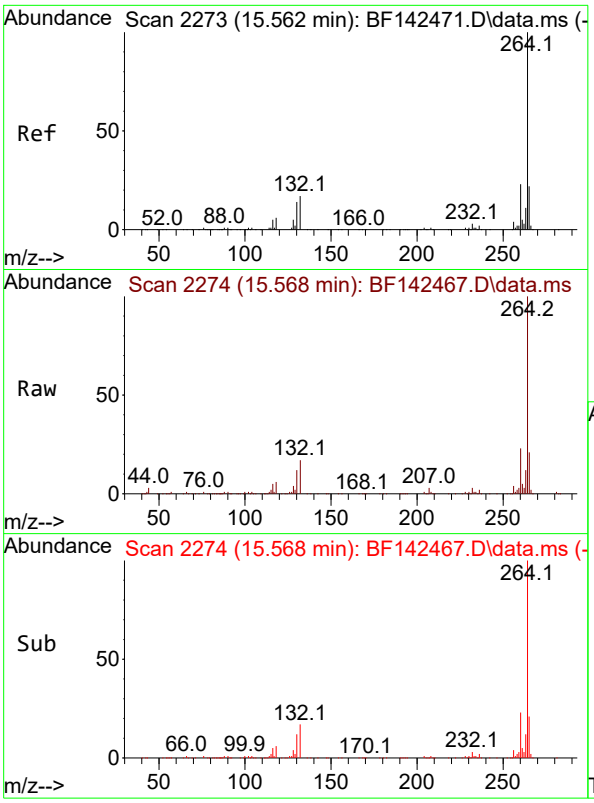
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142467.D
Acq: 20 May 2025 12:10

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	10.2



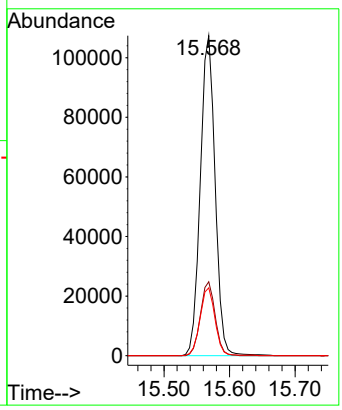


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142467.D
Acq: 20 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 169046

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.2	17.7	26.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	87254	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	345154	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	197100	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	349474	20.000	ng		0.00
76) Chrysene-d12	14.074	240	218524	20.000	ng		0.00
86) Perylene-d12	15.568	264	154887	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	55140	10.647	ng		-0.01
7) Phenol-d6	6.516	99	66768	10.710	ng		-0.02
23) Nitrobenzene-d5	7.457	82	64876	10.249	ng		-0.02
42) 2,4,6-Tribromophenol	10.727	330	22702	10.378	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	170142	11.583	ng		-0.01
79) Terphenyl-d14	13.016	244	177430	11.096	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	10748	5.186	ng		97
3) Pyridine	3.451	79	26993	5.115	ng		98
4) n-Nitrosodimethylamine	3.369	42	13346	4.870	ng	#	97
6) Aniline	6.557	93	44576	5.318	ng		98
8) 2-Chlorophenol	6.681	128	29341	5.201	ng		98
9) Benzaldehyde	6.445	77	22572	6.020	ng		98
10) Phenol	6.528	94	37431	5.336	ng		97
11) bis(2-Chloroethyl)ether	6.628	93	26215	5.192	ng		98
12) 1,3-Dichlorobenzene	6.839	146	34073	5.413	ng		97
13) 1,4-Dichlorobenzene	6.916	146	33593	5.298	ng		99
14) 1,2-Dichlorobenzene	7.069	146	32604	5.374	ng		99
15) Benzyl Alcohol	7.034	79	23103	5.015	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.169	45	45414	5.355	ng		99
17) 2-Methylphenol	7.139	107	22693	5.153	ng		98
18) Hexachloroethane	7.416	117	11635	5.255	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	20527	5.313	ng		96
20) 3+4-Methylphenols	7.292	107	30797	5.460	ng	#	88
22) Acetophenone	7.304	105	41438	5.423	ng		99
24) Nitrobenzene	7.475	77	29193	5.114	ng		96
25) Isophorone	7.716	82	54838	5.182	ng		98
26) 2-Nitrophenol	7.798	139	14387	4.716	ng		99
27) 2,4-Dimethylphenol	7.828	122	27170	5.051	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	35010	5.296	ng		97
29) 2,4-Dichlorophenol	8.034	162	24812	5.072	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	28037	5.281	ng		97
31) Naphthalene	8.204	128	91563	5.388	ng		100
33) 4-Chloroaniline	8.251	127	36597	5.314	ng		98
34) Hexachlorobutadiene	8.322	225	17505	5.280	ng		99
35) Caprolactam	8.581	113	7020	5.109	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	26197	5.225	ng		97
37) 2-Methylnaphthalene	8.898	142	58574	5.478	ng		99
38) 1-Methylnaphthalene	8.992	142	60674	5.486	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	29150	5.152	ng		99
41) Hexachlorocyclopentadiene	9.051	237	15667	4.105	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	19079	5.001	ng		99
44) 2,4,5-Trichlorophenol	9.210	196	20200	5.020	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

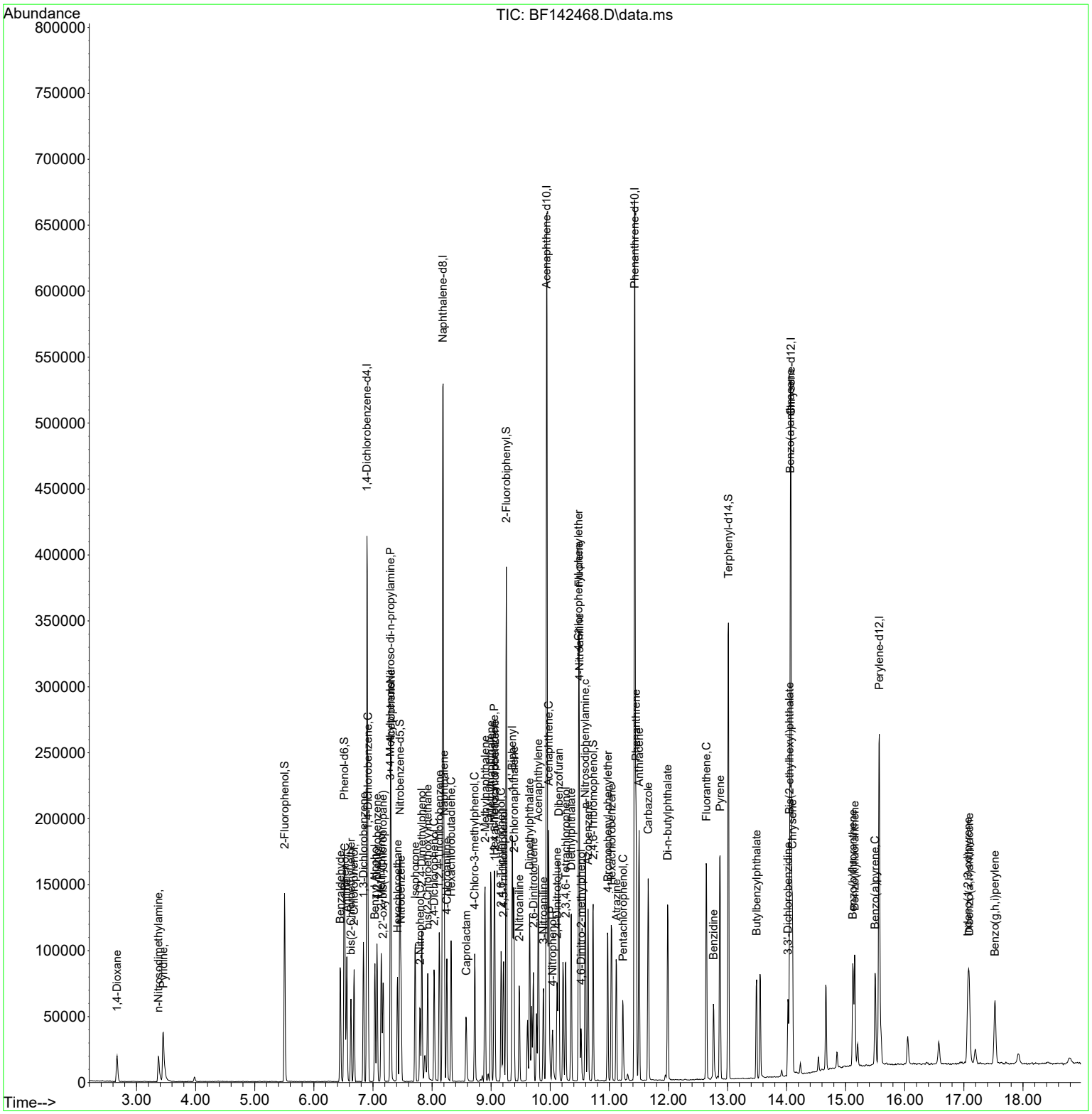
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.357	154	82376	5.387	ng	99
47) 2-Chloronaphthalene	9.386	162	60002	5.311	ng	97
48) 2-Nitroaniline	9.475	65	16399	5.022	ng	95
49) Acenaphthylene	9.798	152	101686	5.330	ng	99
50) Dimethylphthalate	9.651	163	71020	5.461	ng	99
51) 2,6-Dinitrotoluene	9.716	165	14295	5.093	ng	97
52) Acenaphthene	9.975	154	62026	5.325	ng	99
53) 3-Nitroaniline	9.886	138	15749	5.137	ng	99
55) Dibenzofuran	10.145	168	92955	5.545	ng	98
56) 4-Nitrophenol	10.039	139	10876	4.808	ng	93
57) 2,4-Dinitrotoluene	10.116	165	18322	4.998	ng	91
58) Fluorene	10.486	166	72775	5.620	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	17096	5.090	ng	98
60) Diethylphthalate	10.357	149	70046	5.515	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	35694	5.611	ng	97
62) 4-Nitroaniline	10.492	138	14920	5.366	ng	95
63) Azobenzene	10.639	77	61041	5.351	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	7475	3.833	ng	90
66) n-Nitrosodiphenylamine	10.592	169	62215	5.204	ng	98
67) 4-Bromophenyl-phenylether	10.975	248	20974	5.076	ng	98
68) Hexachlorobenzene	11.039	284	23159	5.067	ng	100
69) Atrazine	11.122	200	16045	5.053	ng	98
70) Pentachlorophenol	11.233	266	11357	4.401	ng	96
71) Phenanthrene	11.451	178	104484	5.594	ng	100
72) Anthracene	11.504	178	104017	5.457	ng	100
73) Carbazole	11.657	167	89967	5.521	ng	99
74) Di-n-butylphthalate	11.986	149	96777	5.426	ng	99
75) Fluoranthene	12.645	202	102797	5.890	ng	99
77) Benzidine	12.763	184	36585	4.499	ng	98
78) Pyrene	12.874	202	105394	5.170	ng	99
80) Butylbenzylphthalate	13.492	149	25251	4.483	ng	96
81) Benzo(a)anthracene	14.063	228	77800	5.332	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	19673	4.445	ng	98
83) Chrysene	14.098	228	66761	5.092	ng	99
84) Bis(2-ethylhexyl)phtha...	14.051	149	27864	3.864	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	55034	4.733	ng	99
88) Benzo(b)fluoranthene	15.121	252	51014	5.565	ng	98
89) Benzo(k)fluoranthene	15.151	252	46114	5.371	ng	98
90) Benzo(a)pyrene	15.498	252	44694	5.172	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	44618	4.731	ng	98
92) Benzo(g,h,i)perylene	17.527	276	44684	4.737	ng	97

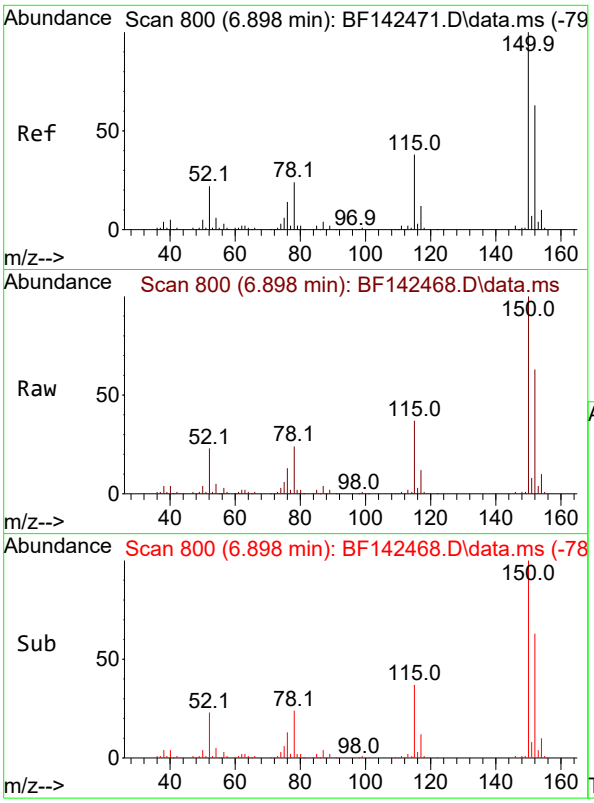
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142468.D
Acq On : 20 May 2025 12:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 20 16:54:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



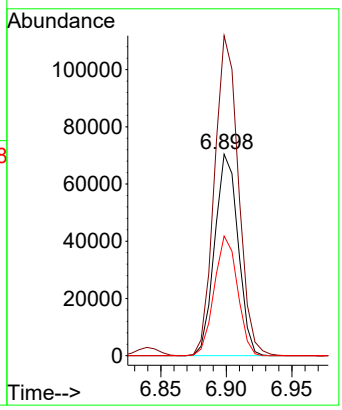


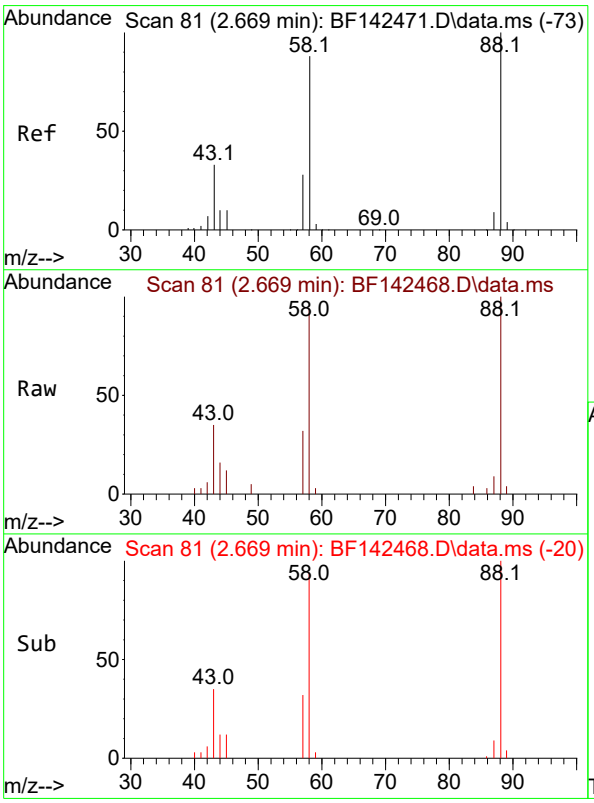
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 87254

Ion	Ratio	Lower	Upper
152	100		
150	158.8	128.2	192.4
115	59.4	48.3	72.5

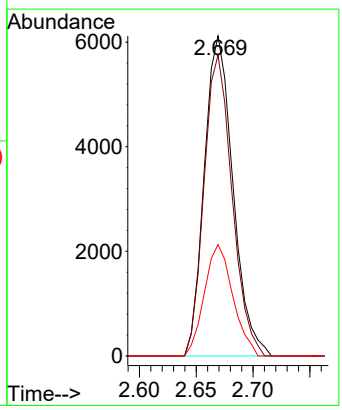


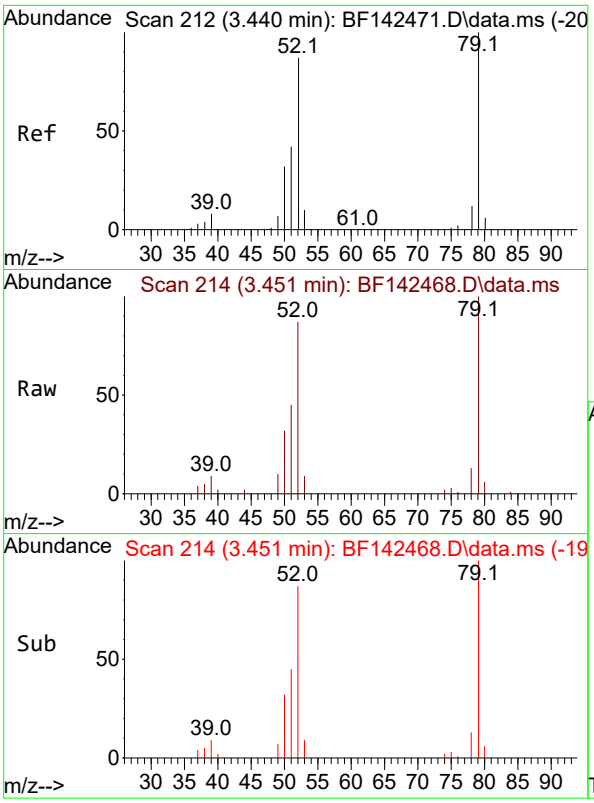


#2
1,4-Dioxane
Concen: 5.186 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 88 Resp: 10748

Ion	Ratio	Lower	Upper
88	100		
58	91.6	70.8	106.2
43	34.5	26.6	40.0



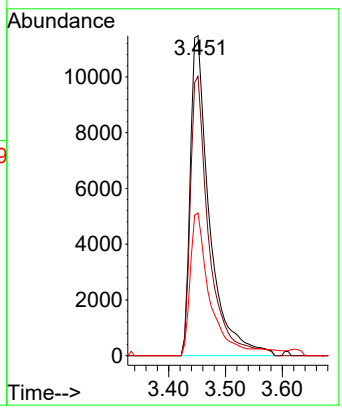


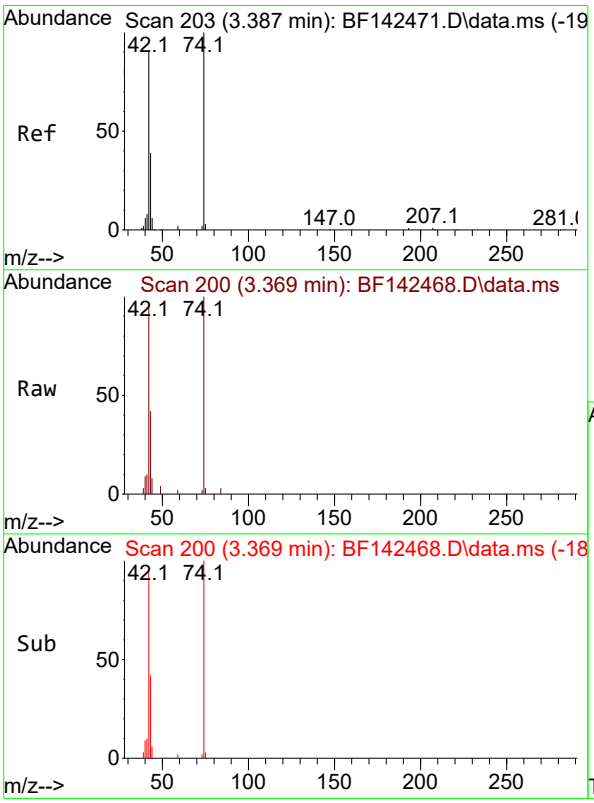
#3
Pyridine
Concen: 5.115 ng
RT: 3.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 26993

Ion	Ratio	Lower	Upper
79	100		
52	87.3	69.2	103.8
51	44.6	33.3	49.9

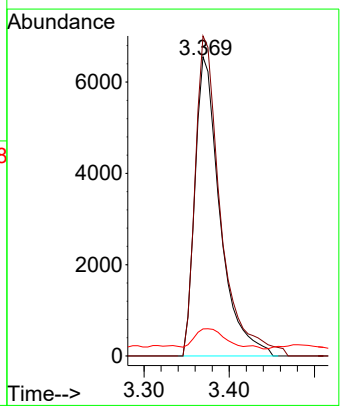


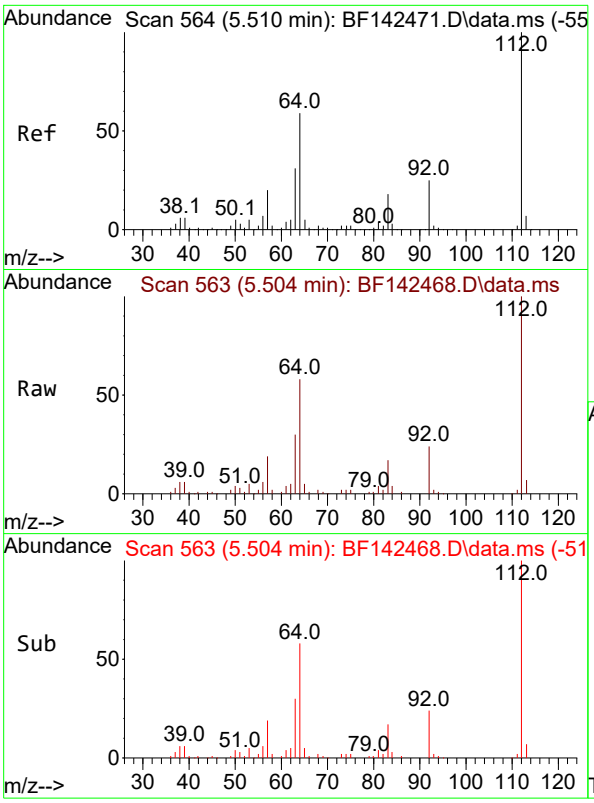


#4
n-Nitrosodimethylamine
Concen: 4.870 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.035 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 42 Resp: 13346

Ion	Ratio	Lower	Upper
42	100		
74	106.9	88.2	132.4
44	9.1	5.4	8.2#



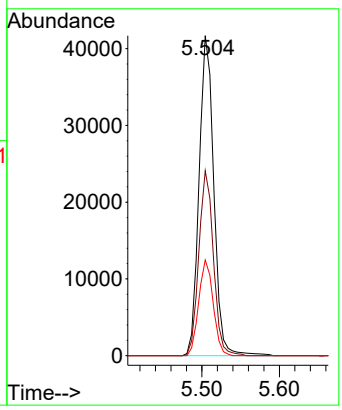


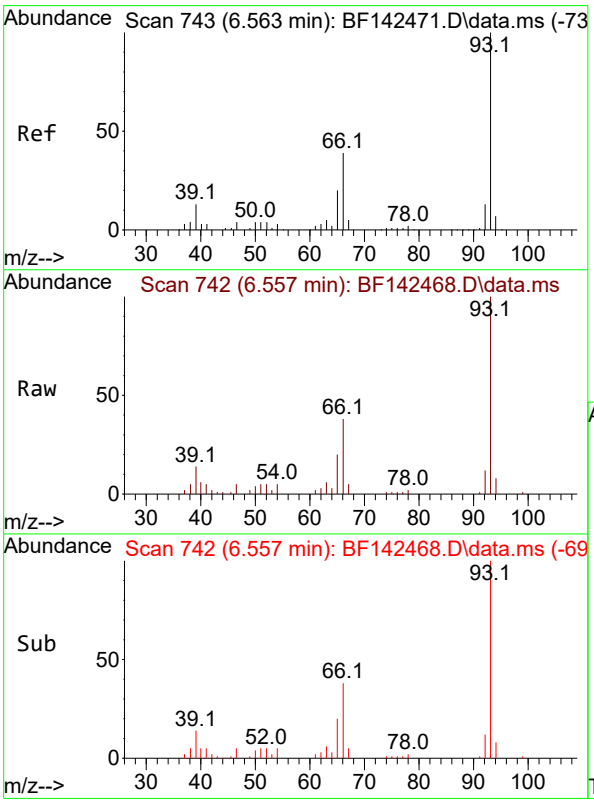
#5
2-Fluorophenol
Concen: 10.647 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 55140

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.5	71.3
63	29.9	24.9	37.3

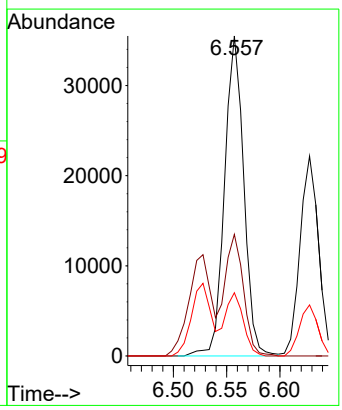


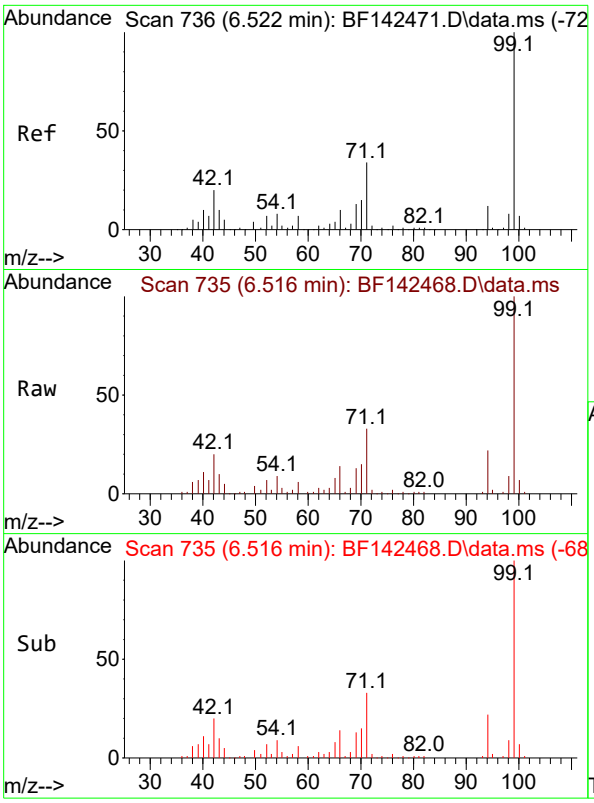


#6
Aniline
Concen: 5.318 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 93 Resp: 44576

Ion	Ratio	Lower	Upper
93	100		
66	38.0	32.0	48.0
65	19.7	16.1	24.1



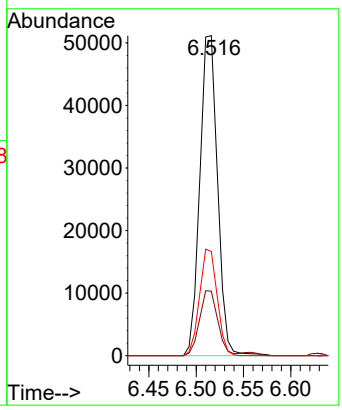


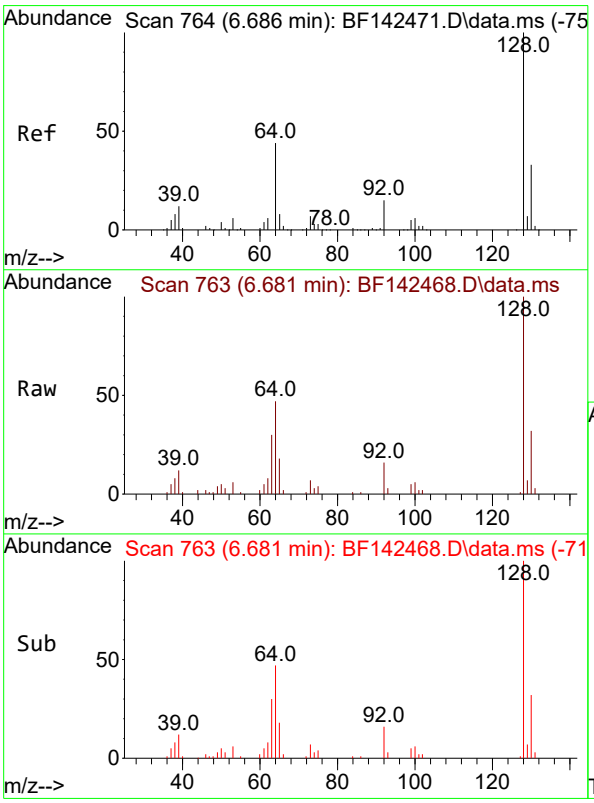
#7
Phenol-d6
Concen: 10.710 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 66768

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	32.6	27.3	40.9

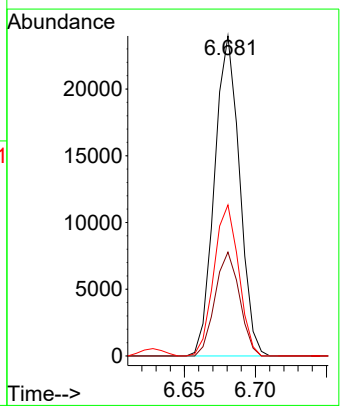


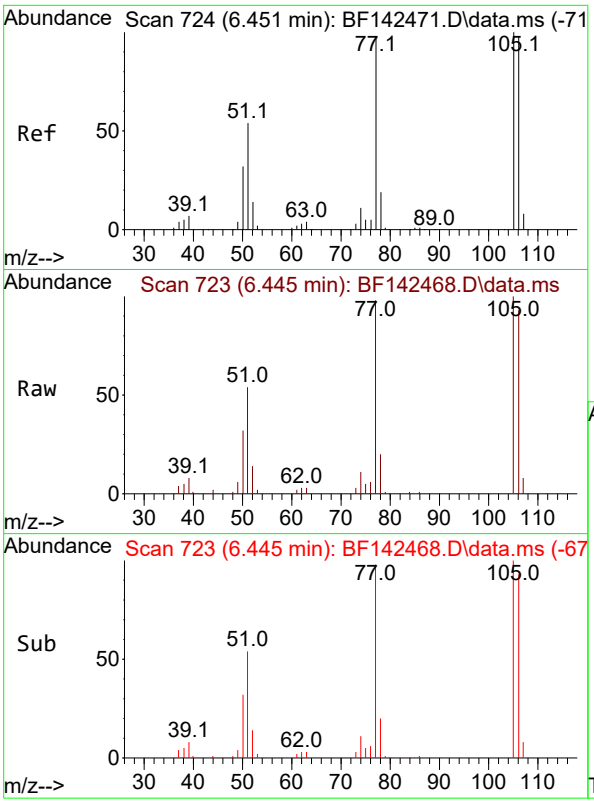


#8
2-Chlorophenol
Concen: 5.201 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:128 Resp: 29341

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	47.2	25.1	65.1



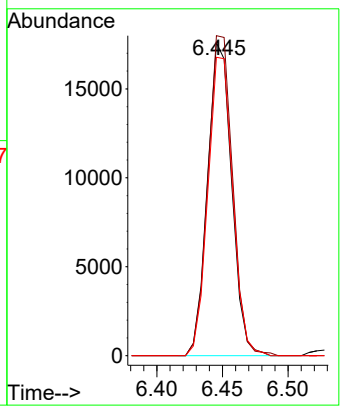


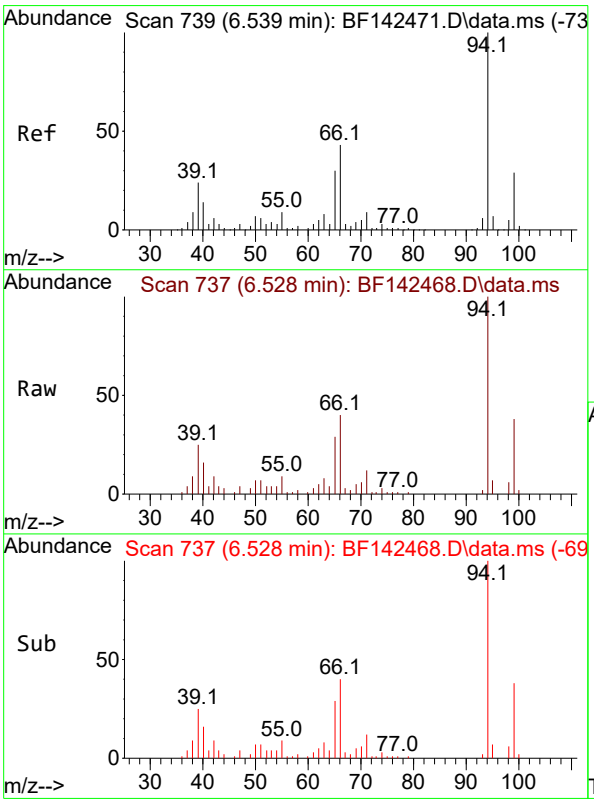
#9
Benzaldehyde
Concen: 6.020 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 22572

Ion	Ratio	Lower	Upper
77	100		
105	102.2	82.5	122.5
106	95.3	80.0	120.0

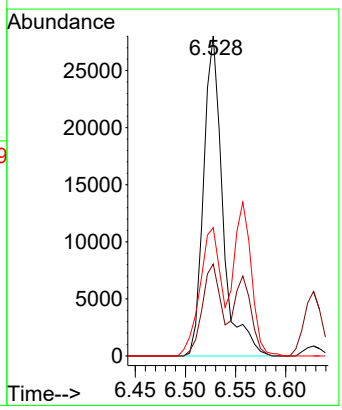


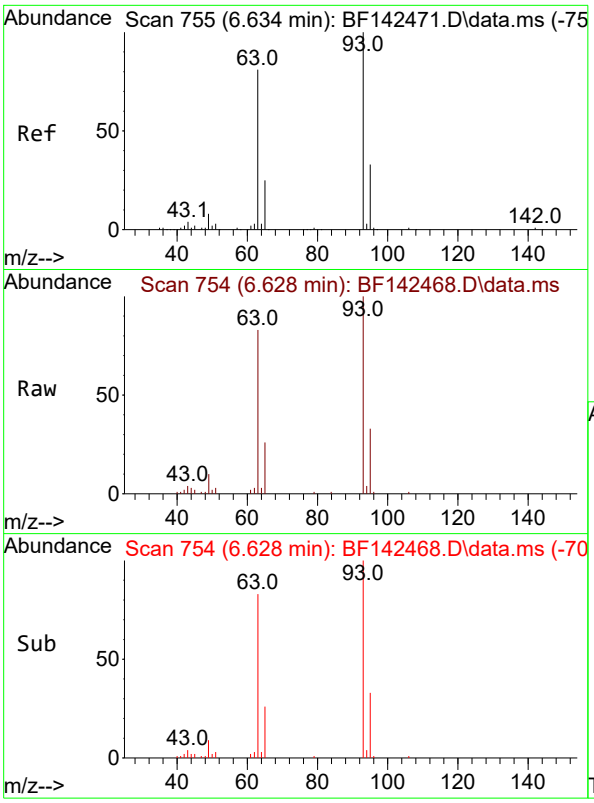


#10
Phenol
Concen: 5.336 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 94 Resp: 37431

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.3	50.3
66	40.1	22.6	62.6



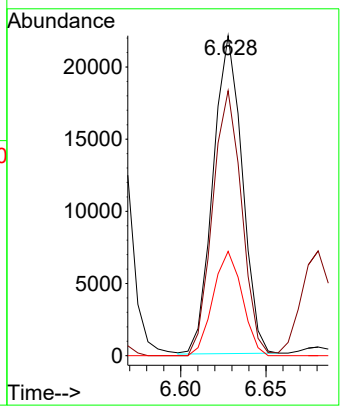


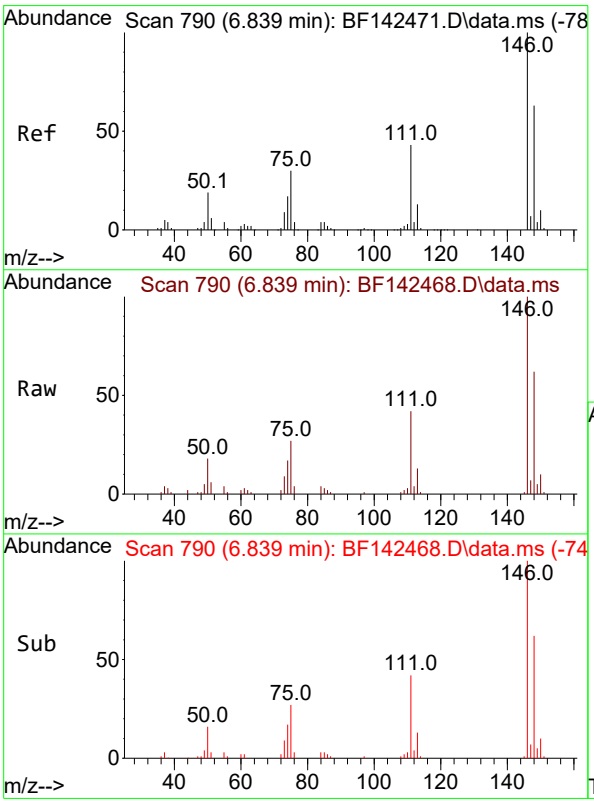
#11
bis(2-Chloroethyl)ether
Concen: 5.192 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 26215

Ion	Ratio	Lower	Upper
93	100		
63	82.8	60.2	100.2
95	32.6	12.3	52.3

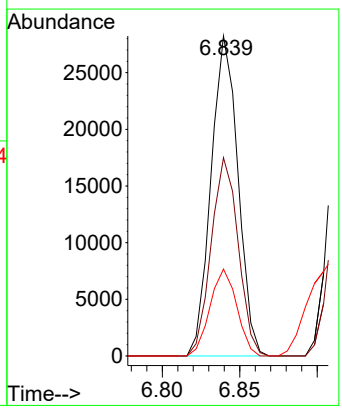


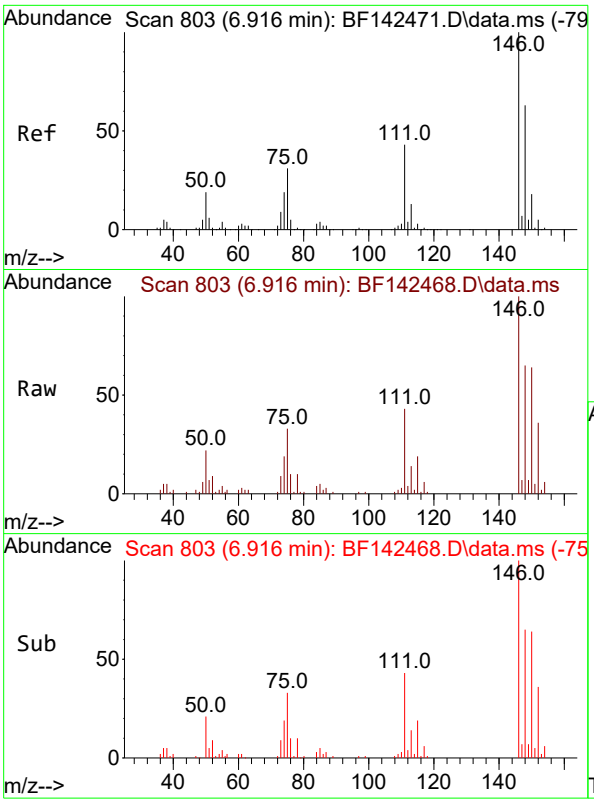


#12
1,3-Dichlorobenzene
Concen: 5.413 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:146 Resp: 34073

Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.6	75.8
75	27.1	23.8	35.6



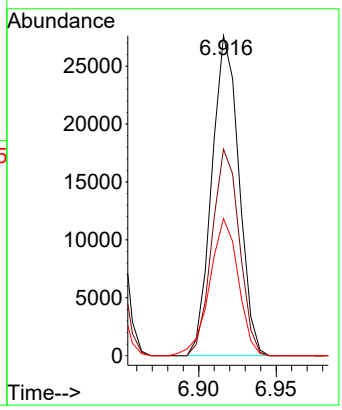


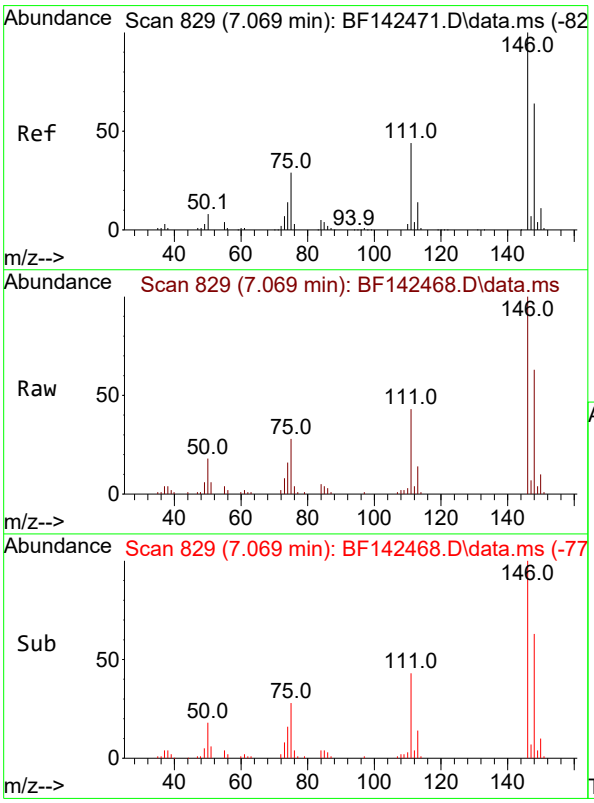
#13
1,4-Dichlorobenzene
Concen: 5.298 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 33593

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.4	75.6
111	42.9	34.1	51.1

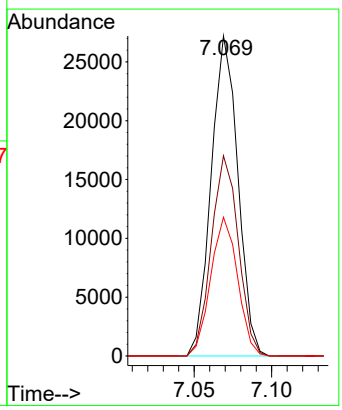


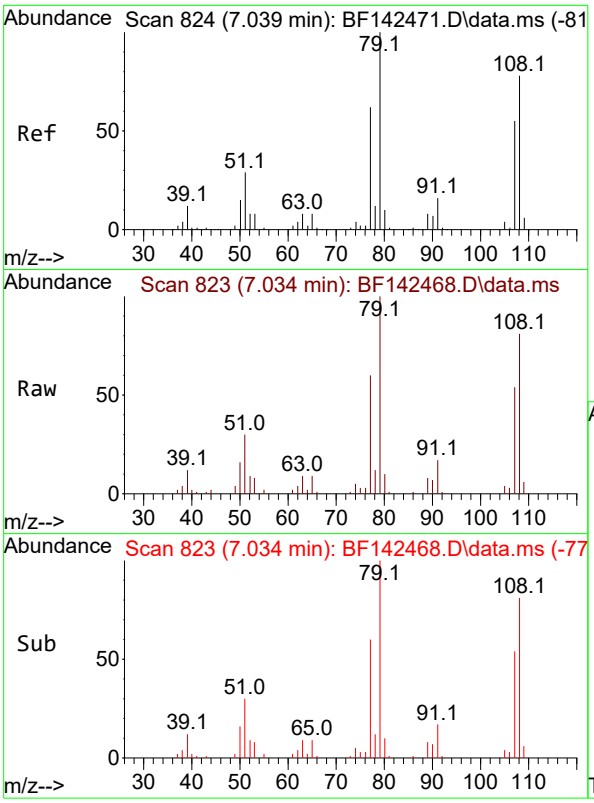


#14
1,2-Dichlorobenzene
Concen: 5.374 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:146 Resp: 32604

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	43.4	35.0	52.6



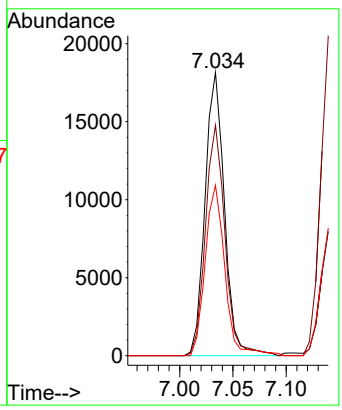


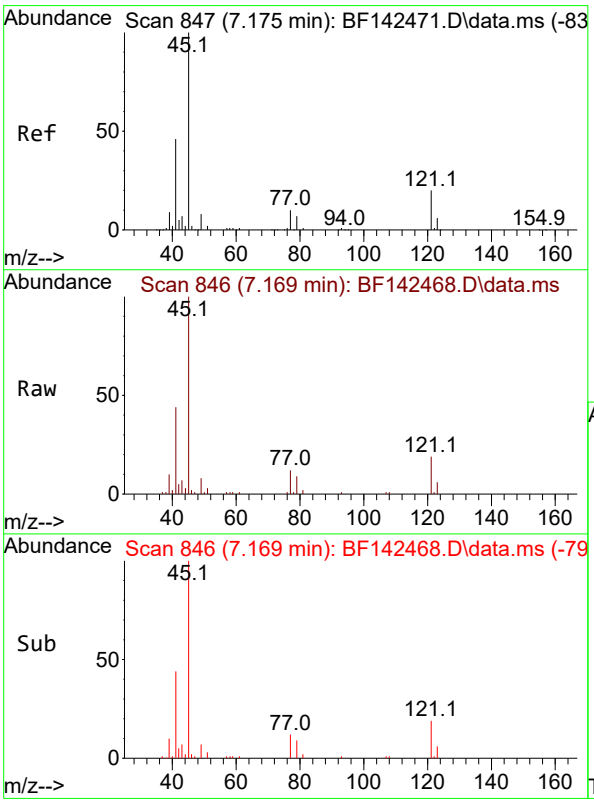
#15
Benzyl Alcohol
Concen: 5.015 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23103

Ion	Ratio	Lower	Upper
79	100		
108	81.4	62.1	93.1
77	60.2	49.5	74.3

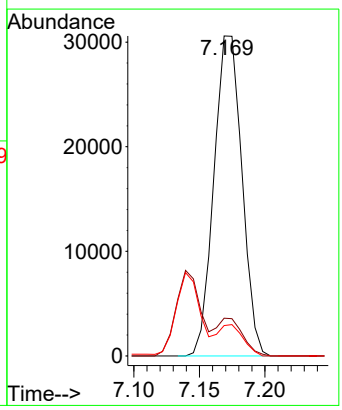


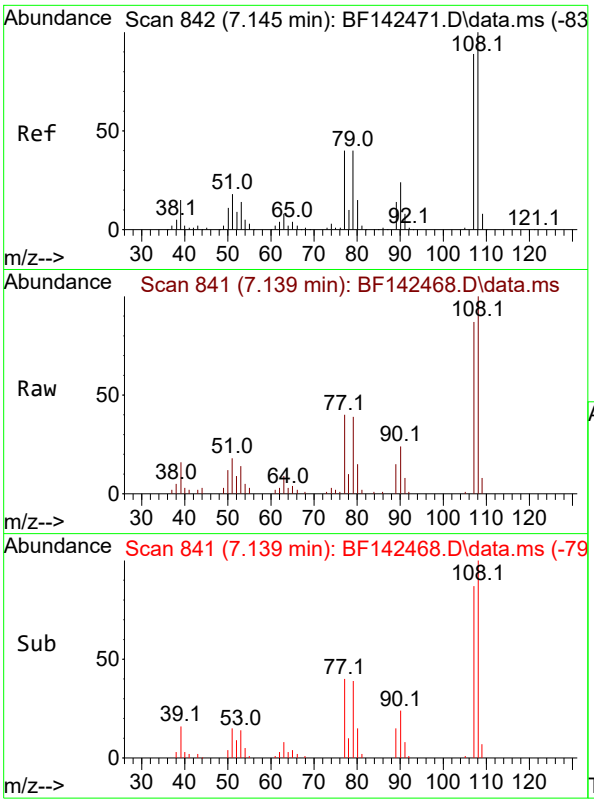


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.355 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 45 Resp: 45414

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	32.0
79	9.5	0.0	29.2



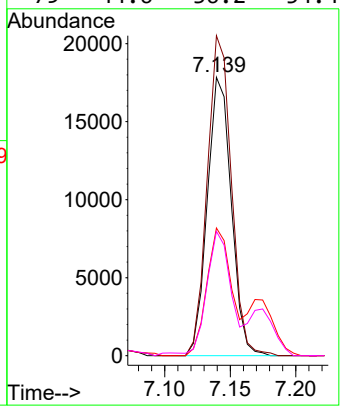


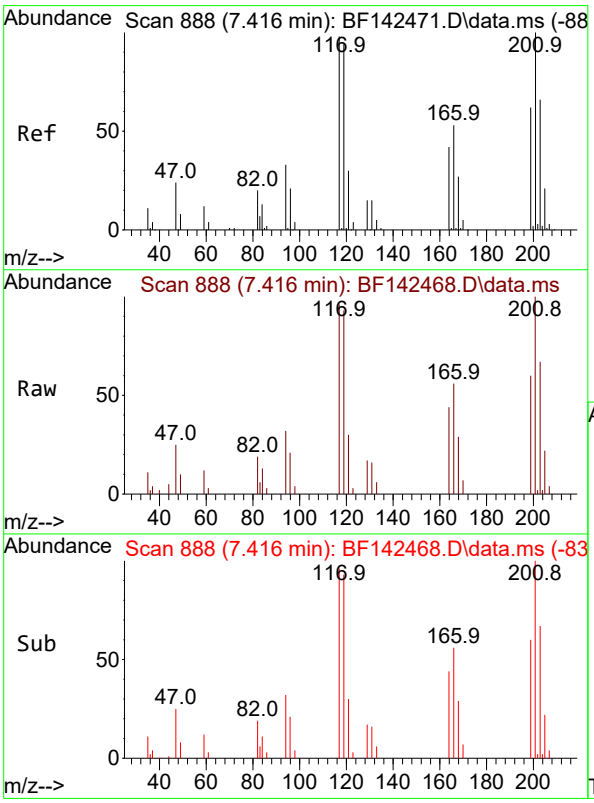
#17
2-Methylphenol
Concen: 5.153 ng
RT: 7.139 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 22693

Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.2	135.2
77	45.9	36.1	54.1
79	44.6	36.2	54.4

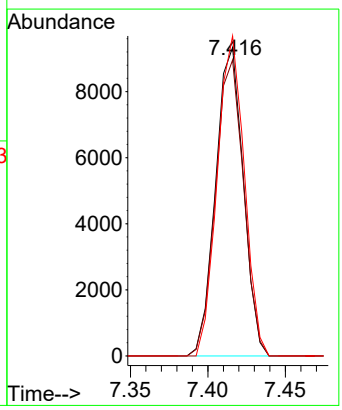


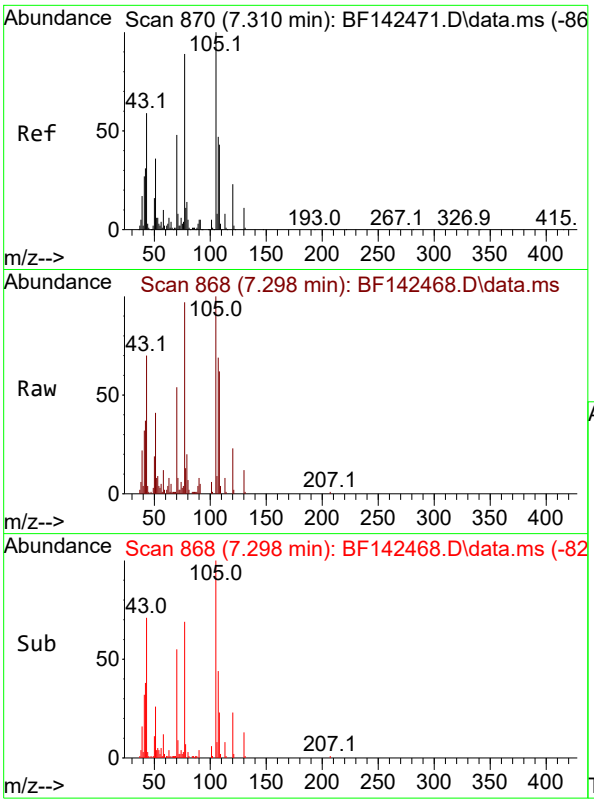


#18
Hexachloroethane
Concen: 5.255 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:117 Resp: 11635

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	103.7	81.3	121.9



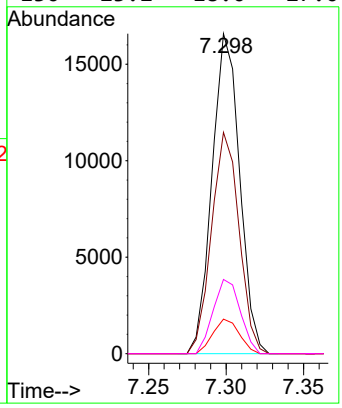


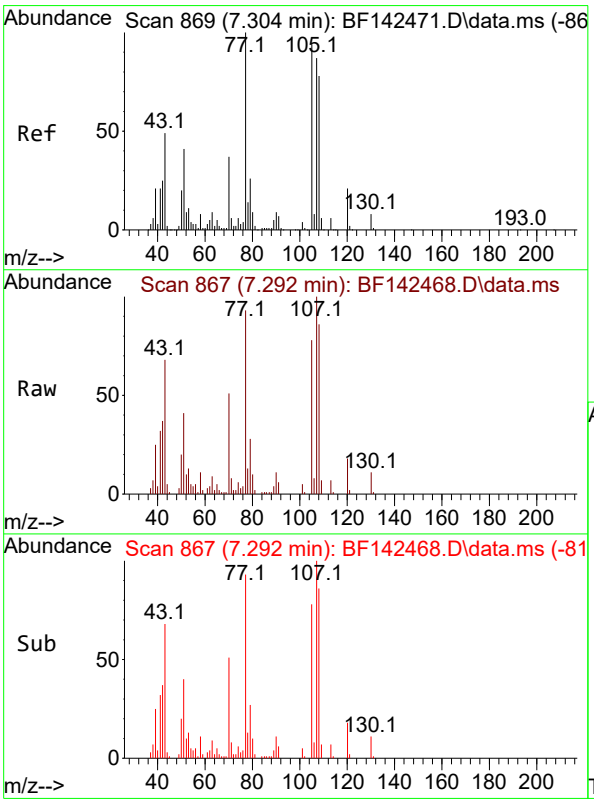
#19
n-Nitroso-di-n-propylamine
Concen: 5.313 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 20527

Ion	Ratio	Lower	Upper
70	100		
42	69.1	52.4	78.6
101	10.8	7.8	11.8
130	23.2	18.0	27.0

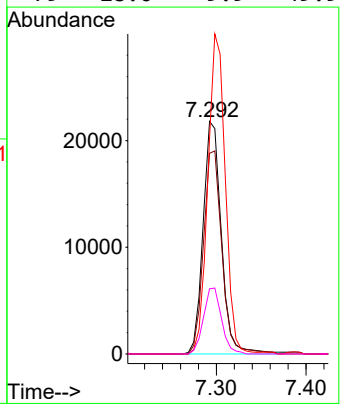


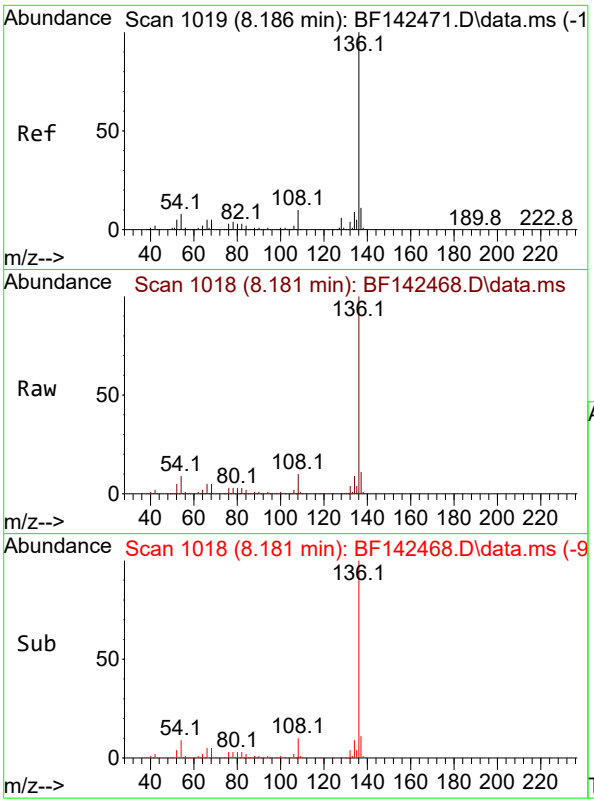


#20
3+4-Methylphenols
Concen: 5.460 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:107 Resp: 30797

Ion	Ratio	Lower	Upper
107	100		
108	86.3	70.4	110.4
77	92.8	95.4	135.4#
79	28.0	9.9	49.9



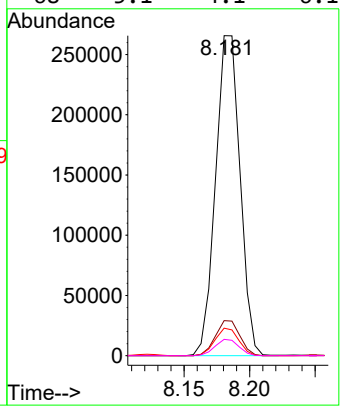


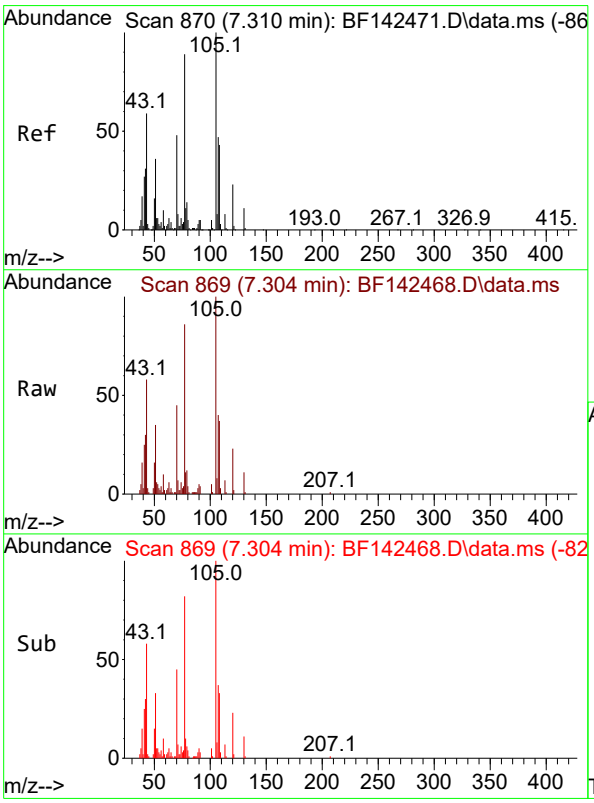
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 345154

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.1	4.1	6.1

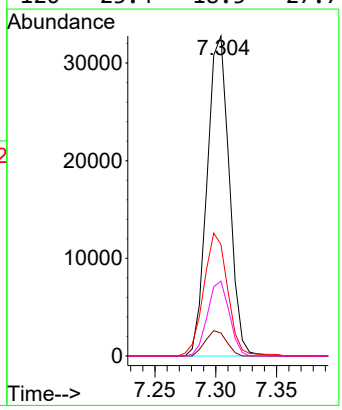


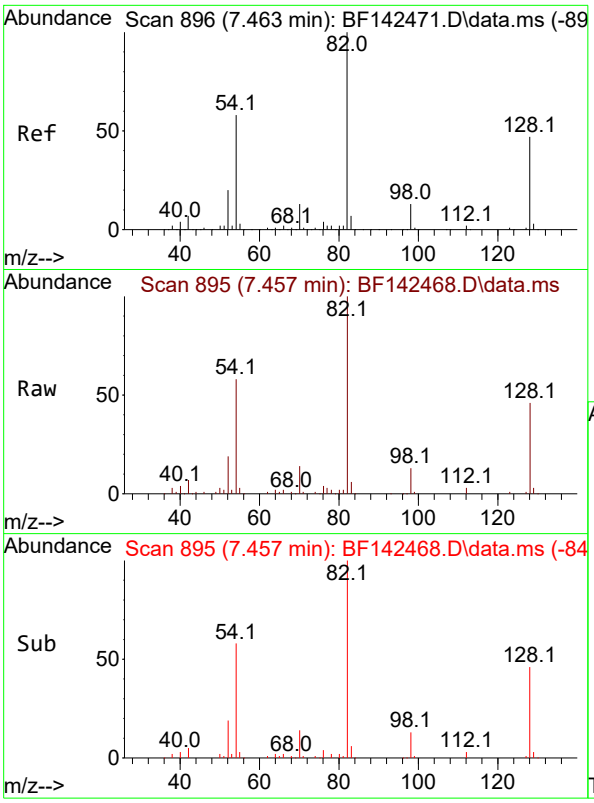


#22
Acetophenone
Concen: 5.423 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:105 Resp: 41438

Ion	Ratio	Lower	Upper
105	100		
71	7.2	6.4	9.6
51	34.9	28.6	42.8
120	23.4	18.5	27.7



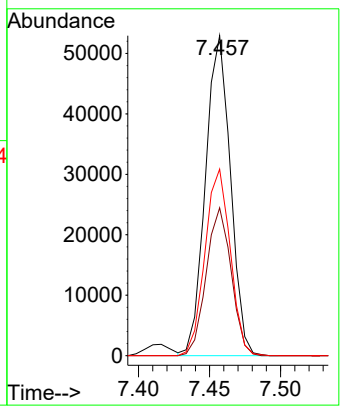


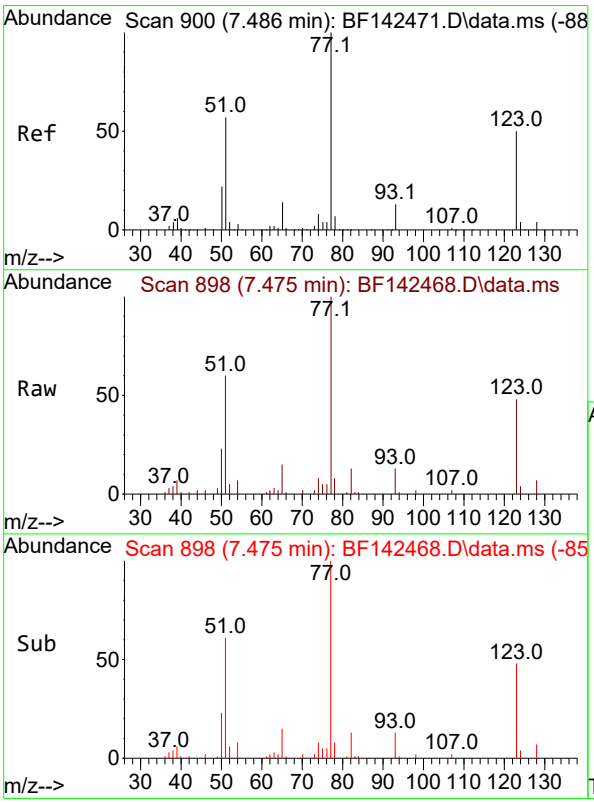
#23
Nitrobenzene-d5
Concen: 10.249 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 64876

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.4	56.2
54	58.3	46.6	70.0

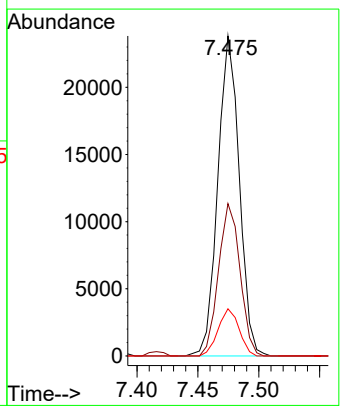


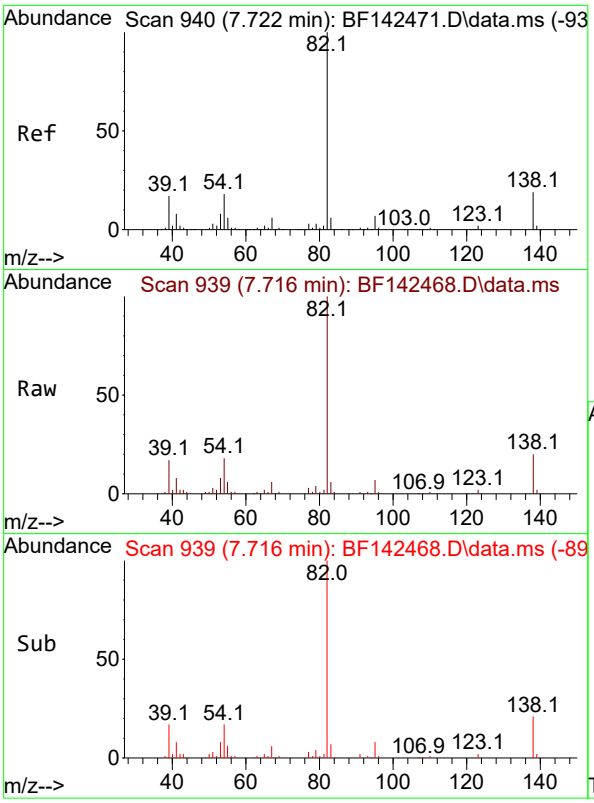


#24
Nitrobenzene
Concen: 5.114 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 77 Resp: 29193

Ion	Ratio	Lower	Upper
77	100		
123	47.6	40.6	61.0
65	14.7	11.4	17.2



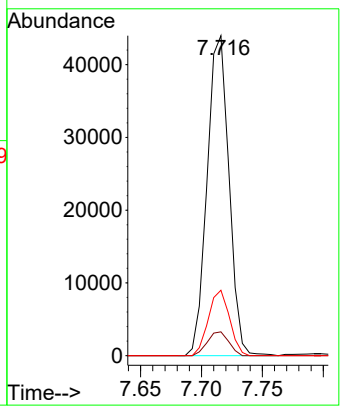


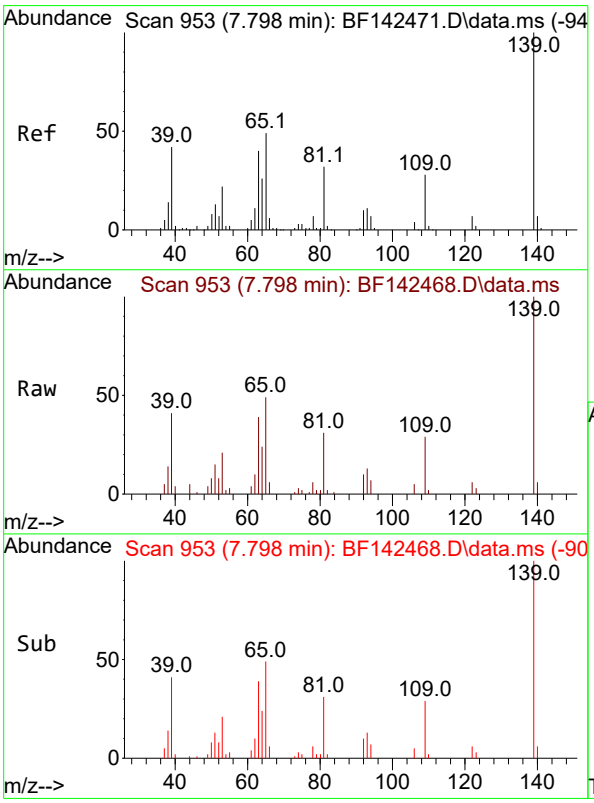
#25
Isophorone
Concen: 5.182 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 54838

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	20.4	15.5	23.3

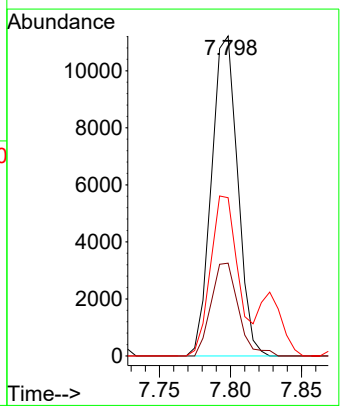


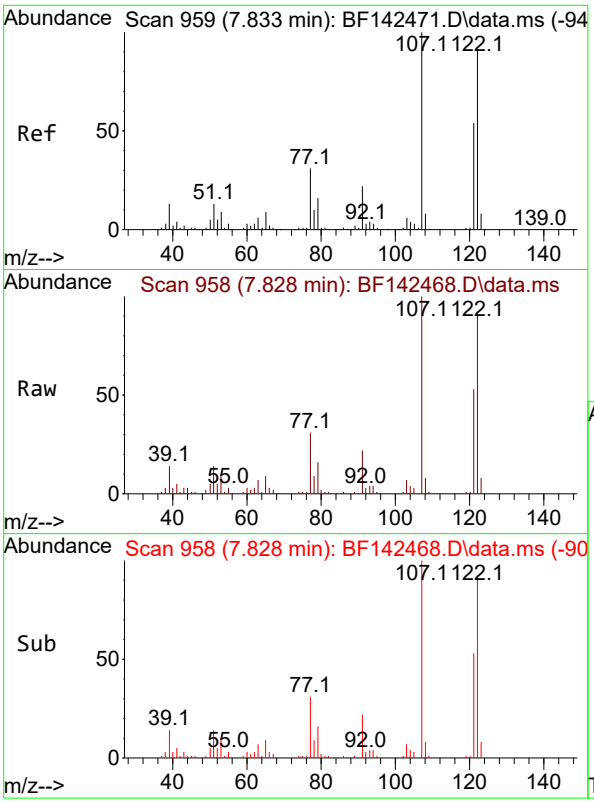


#26
2-Nitrophenol
Concen: 4.716 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:139 Resp: 14387

Ion	Ratio	Lower	Upper
139	100		
109	29.0	22.6	33.8
65	49.4	39.4	59.0



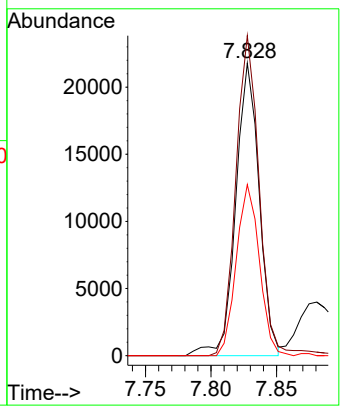


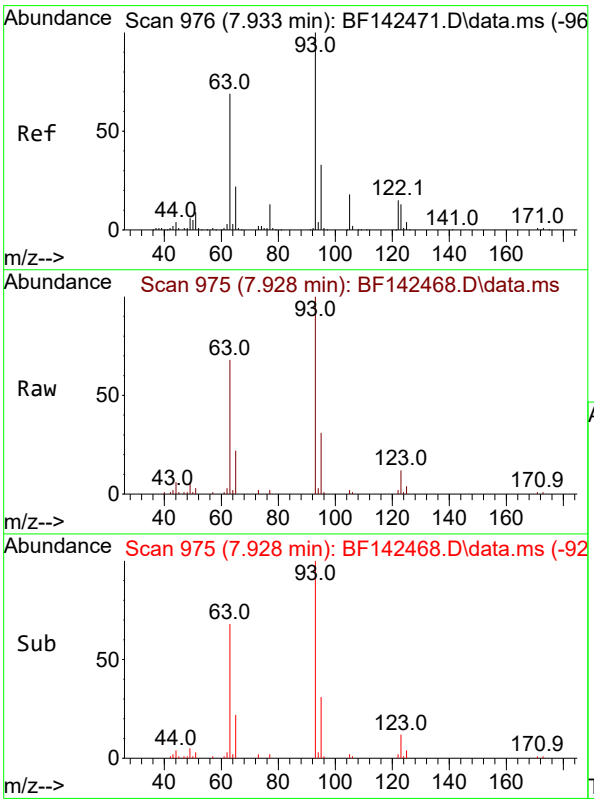
#27
2,4-Dimethylphenol
Concen: 5.051 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 27170

Ion	Ratio	Lower	Upper
122	100		
107	109.4	88.1	132.1
121	58.4	47.3	70.9

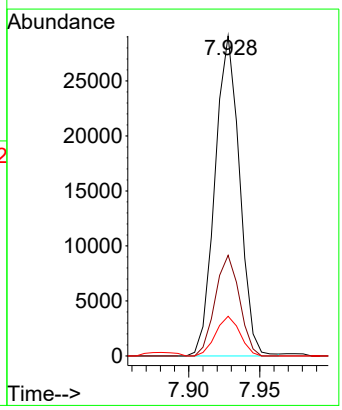


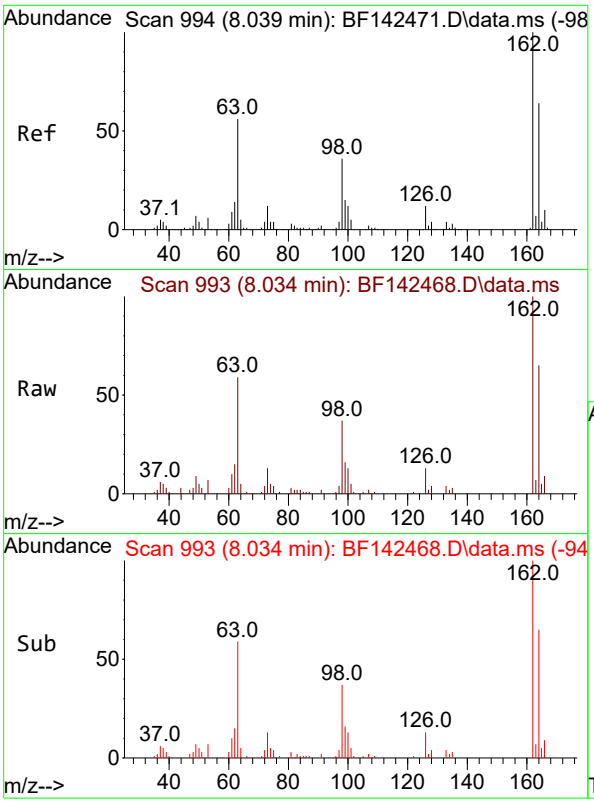


#28
bis(2-Chloroethoxy)methane
Concen: 5.296 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion: 93 Resp: 35010

Ion	Ratio	Lower	Upper
93	100		
95	31.4	26.4	39.6
123	12.4	10.6	15.8



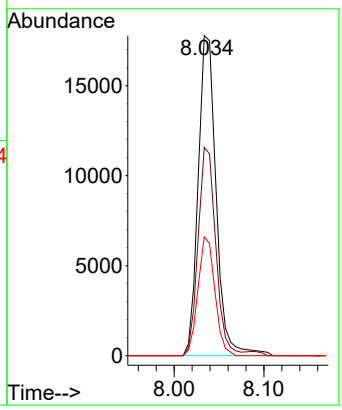


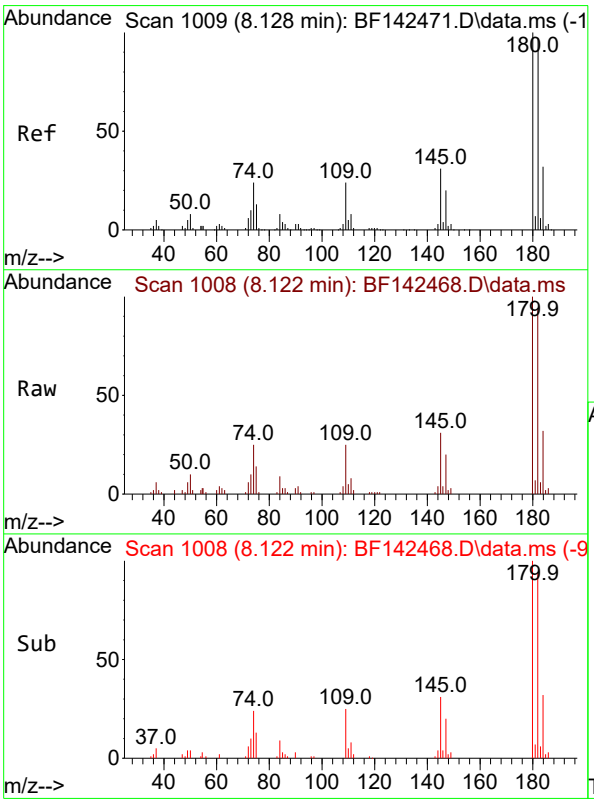
#29
2,4-Dichlorophenol
Concen: 5.072 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 24812

Ion	Ratio	Lower	Upper
162	100		
164	65.1	43.7	83.7
98	37.2	15.5	55.5

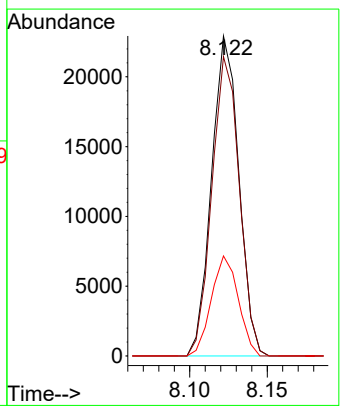


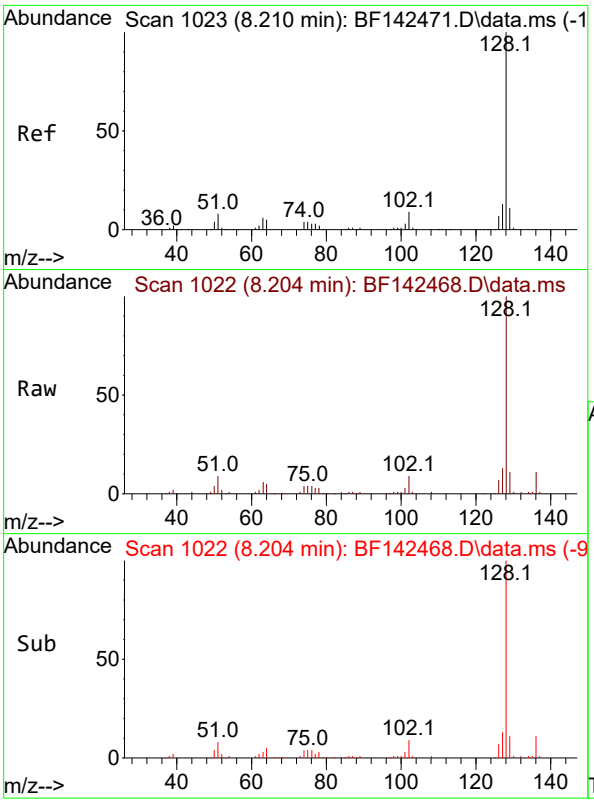


#30
1,2,4-Trichlorobenzene
Concen: 5.281 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:180 Resp: 28037

Ion	Ratio	Lower	Upper
180	100		
182	93.5	78.0	117.0
145	31.3	25.0	37.6



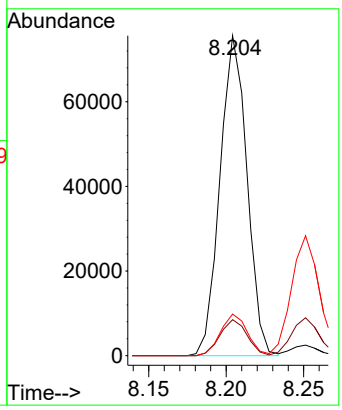


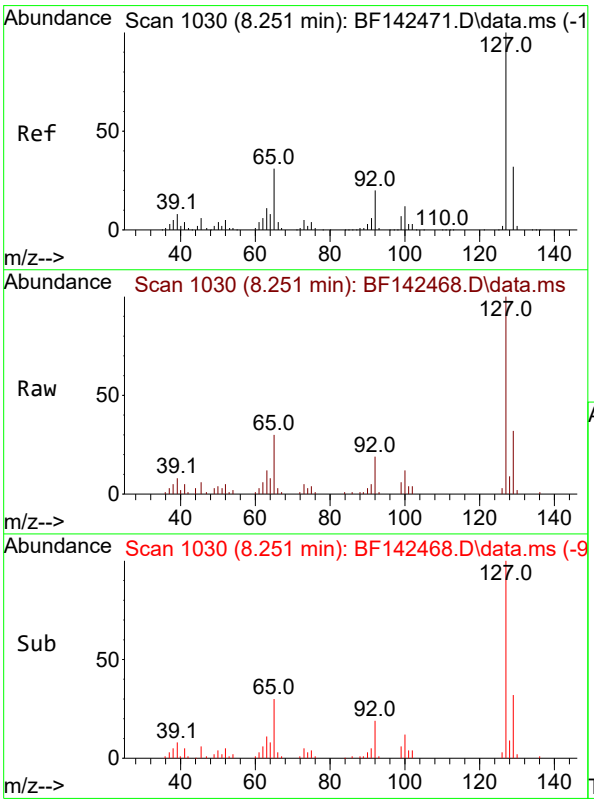
#31
Naphthalene
Concen: 5.388 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 91563

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.0	10.5	15.7

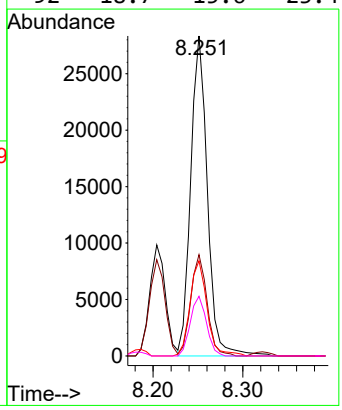


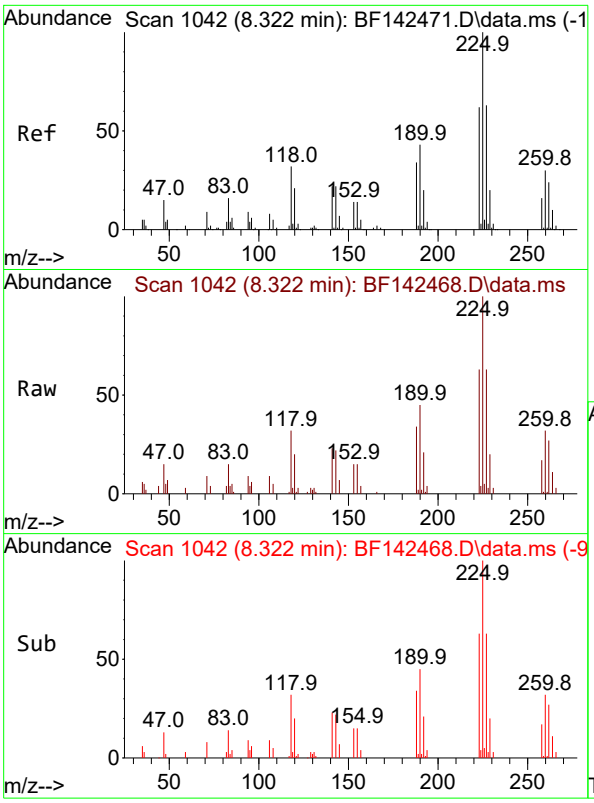


#33
4-Chloroaniline
Concen: 5.314 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:127 Resp: 36597

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.1	39.1
65	29.7	24.9	37.3
92	18.7	15.6	23.4



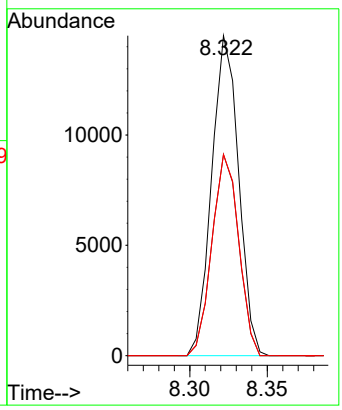


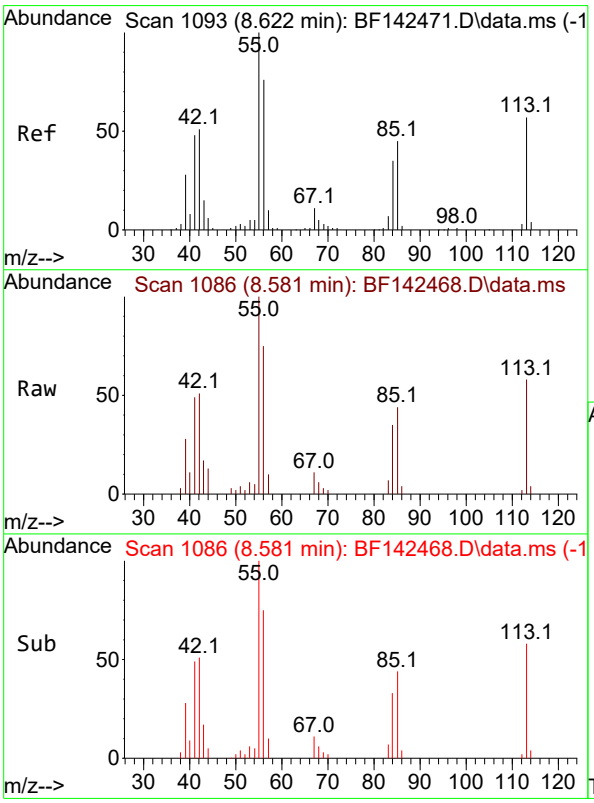
#34
Hexachlorobutadiene
Concen: 5.280 ng
RT: 8.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 17505

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.7	74.5
227	62.8	50.3	75.5

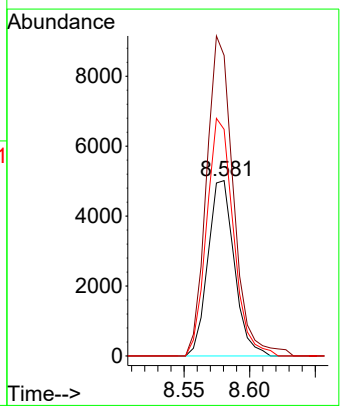


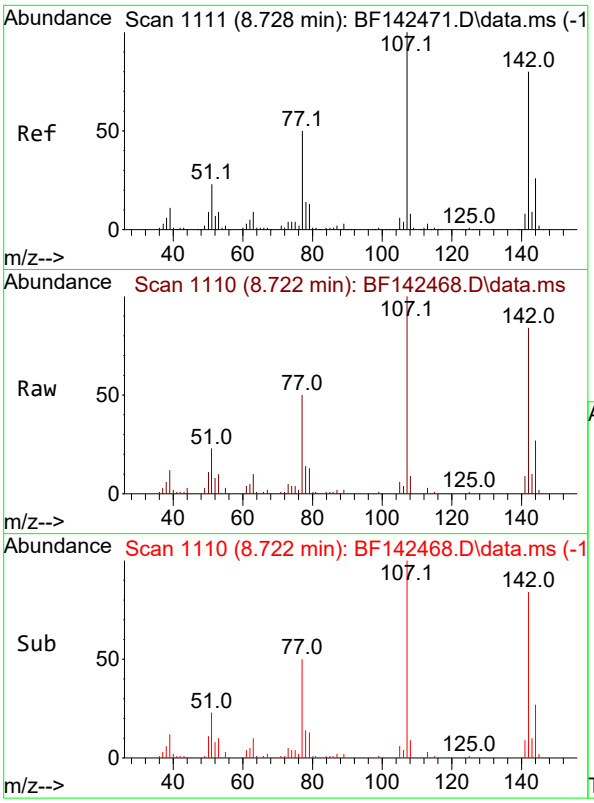


#35
Caprolactam
Concen: 5.109 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.065 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:113 Resp: 7020

Ion	Ratio	Lower	Upper
113	100		
55	171.4	154.7	194.7
56	129.2	113.2	153.2



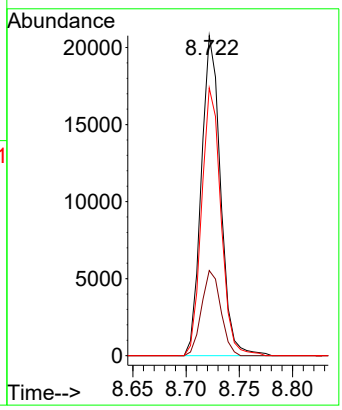


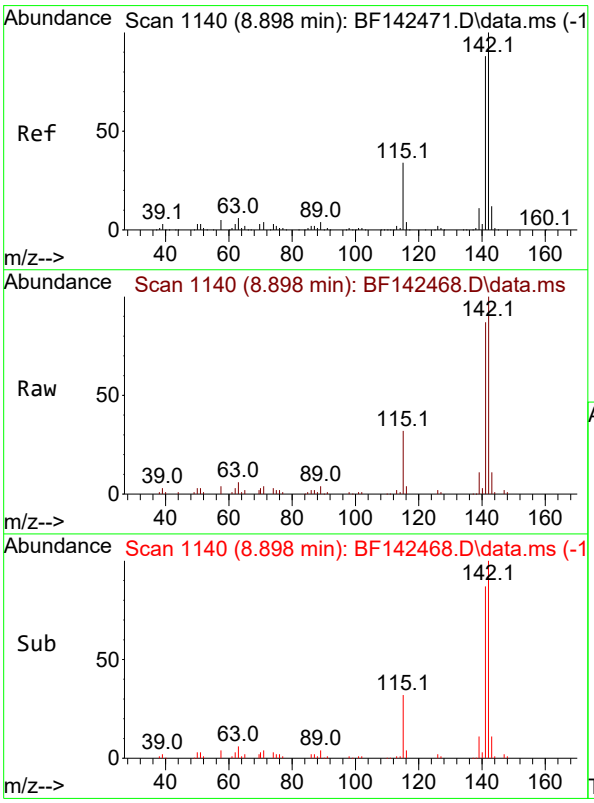
#36
4-Chloro-3-methylphenol
Concen: 5.225 ng
RT: 8.722 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 26197

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.9	31.3
142	83.7	64.2	96.2

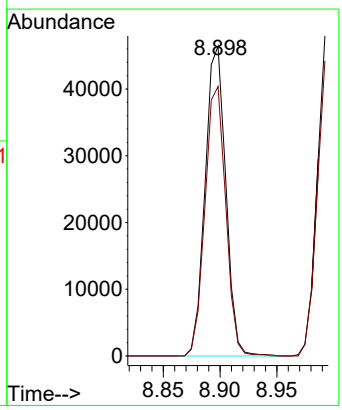


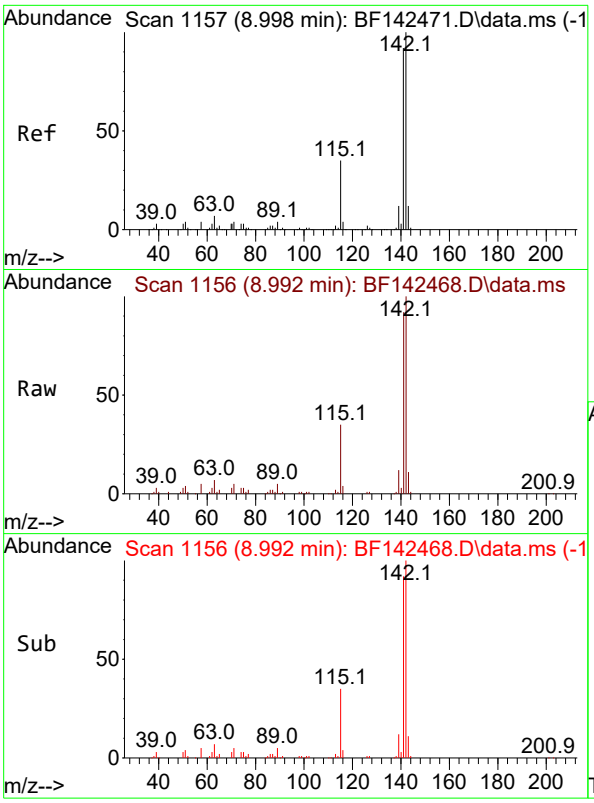


#37
2-Methylnaphthalene
Concen: 5.478 ng
RT: 8.898 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:142 Resp: 58574

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.7	106.1



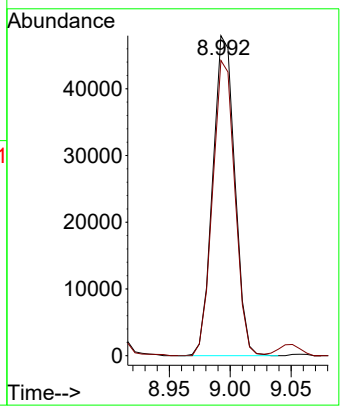


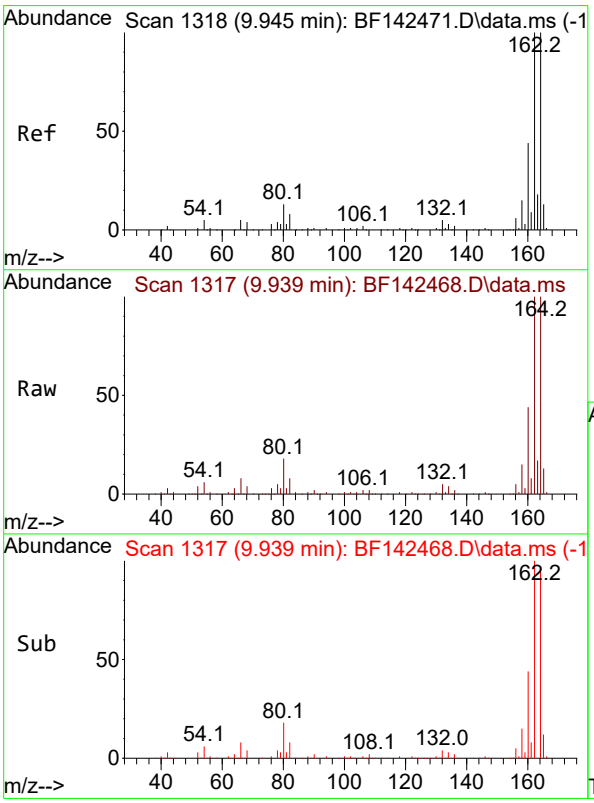
#38
1-Methylnaphthalene
Concen: 5.486 ng
RT: 8.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 60674

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.2

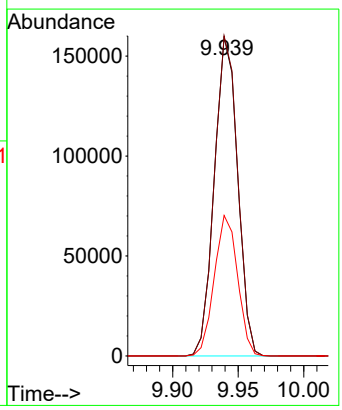


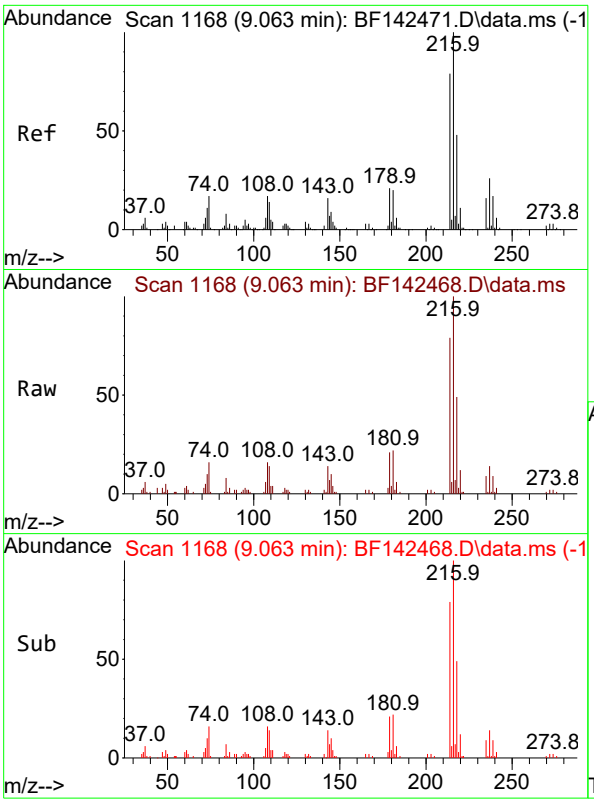


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:164 Resp: 197100

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	44.1	35.6	53.4



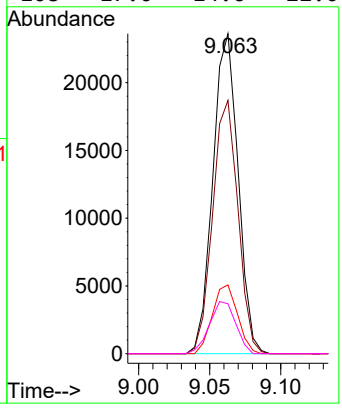


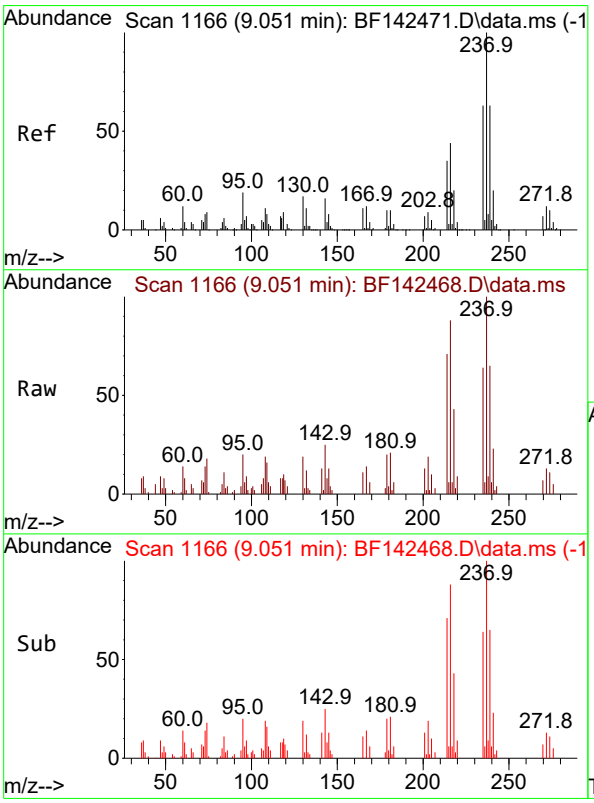
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.152 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 29150

Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.9	94.3
179	21.5	16.9	25.3
108	17.0	14.6	22.0

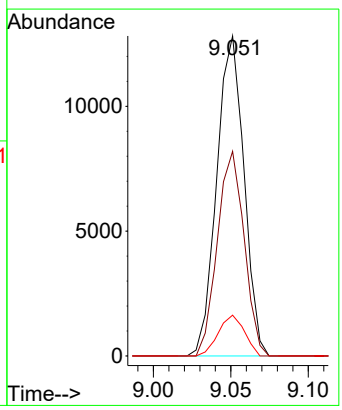


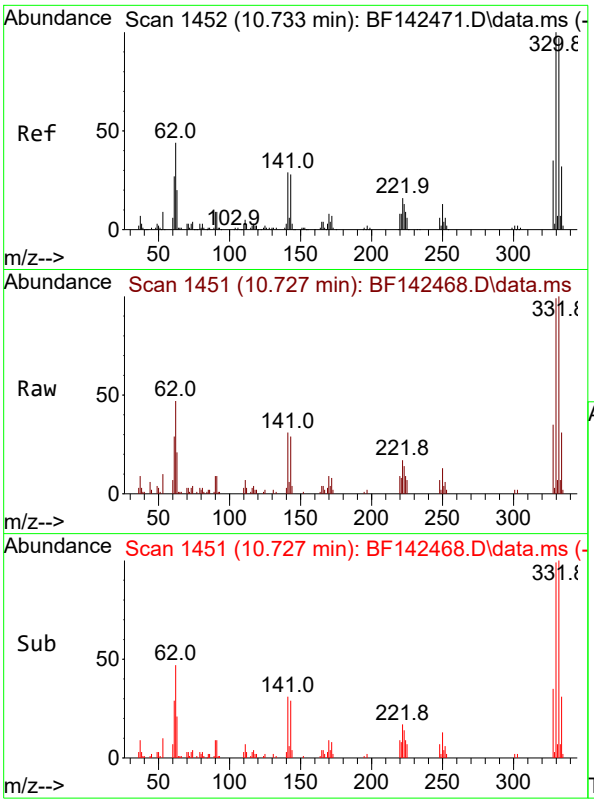


#41
Hexachlorocyclopentadiene
Concen: 4.105 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:237 Resp: 15667

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.3	83.3
272	12.7	0.0	32.4



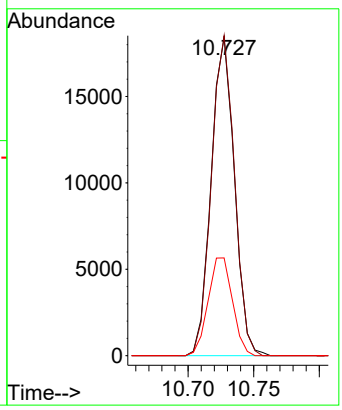


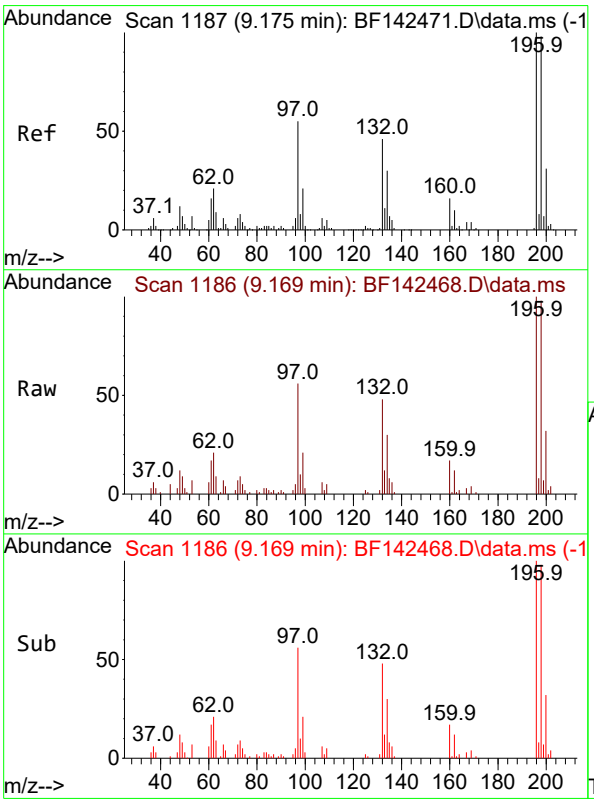
#42
2,4,6-Tribromophenol
Concen: 10.378 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 22702

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.6	116.4
141	32.2	24.6	36.8

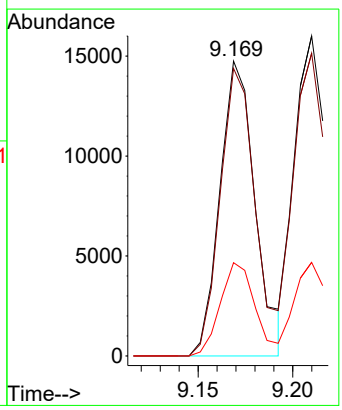


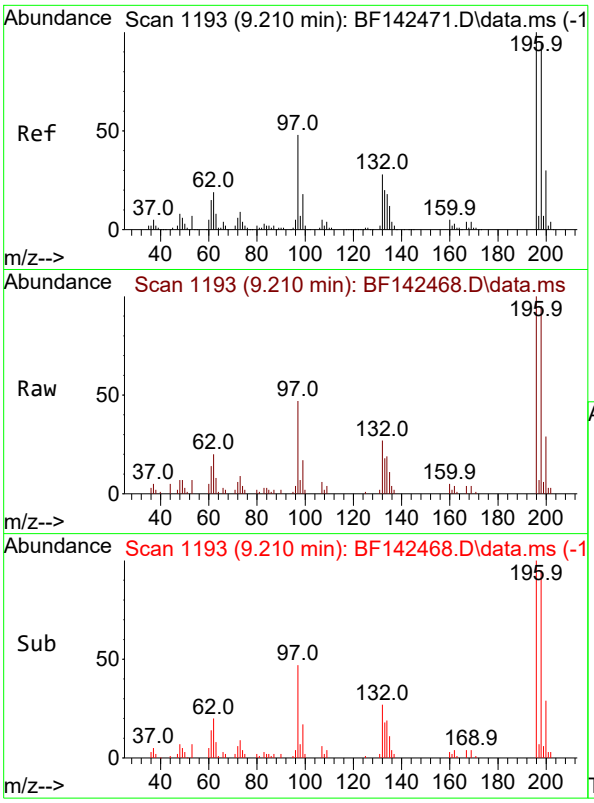


#43
2,4,6-Trichlorophenol
Concen: 5.001 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:196 Resp: 19079

Ion	Ratio	Lower	Upper
196	100		
198	97.5	78.8	118.2
200	31.6	24.9	37.3



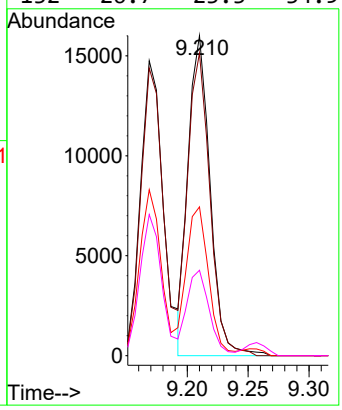


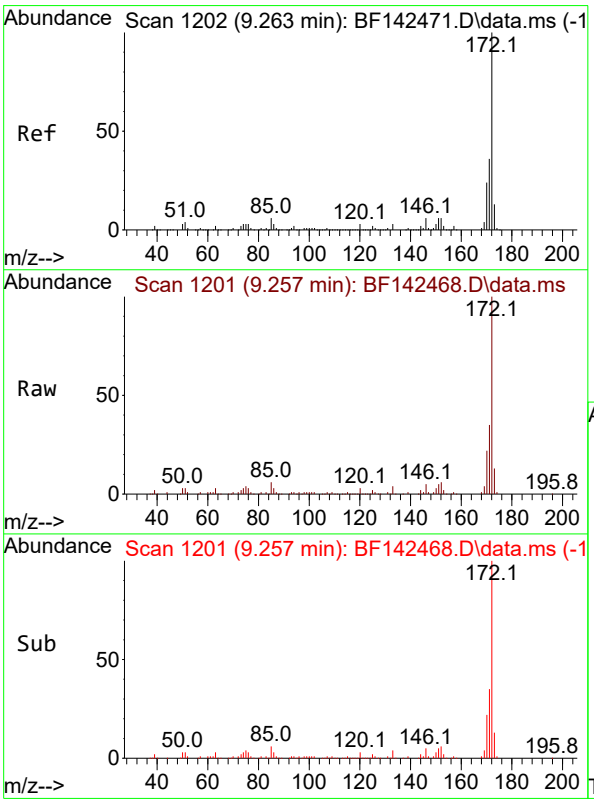
#44
2,4,5-Trichlorophenol
Concen: 5.020 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 20200

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.5	113.3
97	46.5	39.3	58.9
132	26.7	23.3	34.9

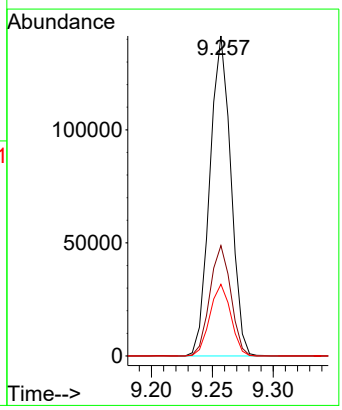


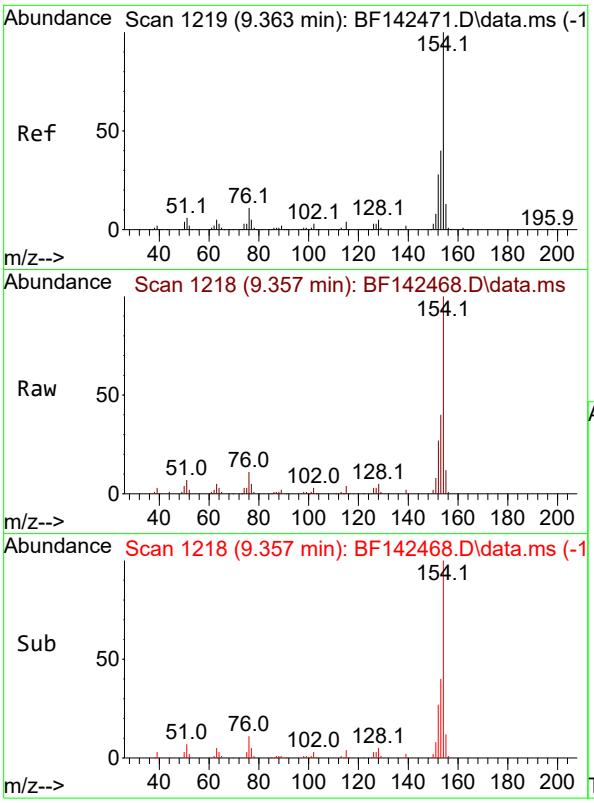


#45
2-Fluorobiphenyl
Concen: 11.583 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:172 Resp: 170142

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	42.8
170	22.4	18.9	28.3



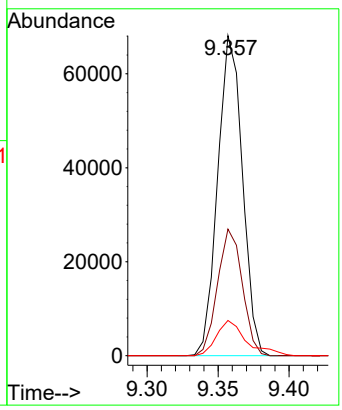


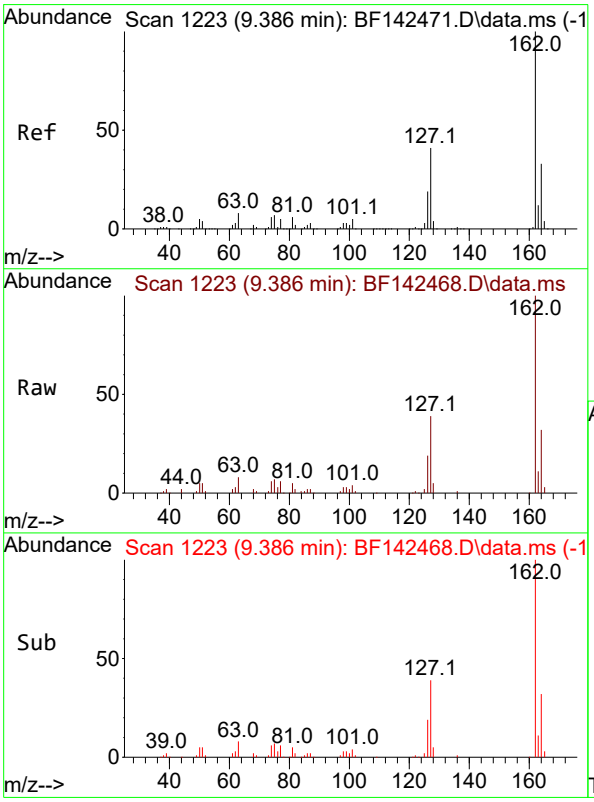
#46
1,1'-Biphenyl
Concen: 5.387 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 82376

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.4	60.4
76	11.0	0.0	30.8

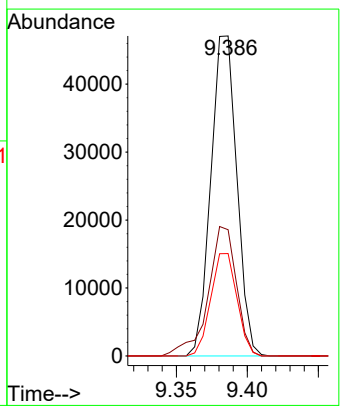


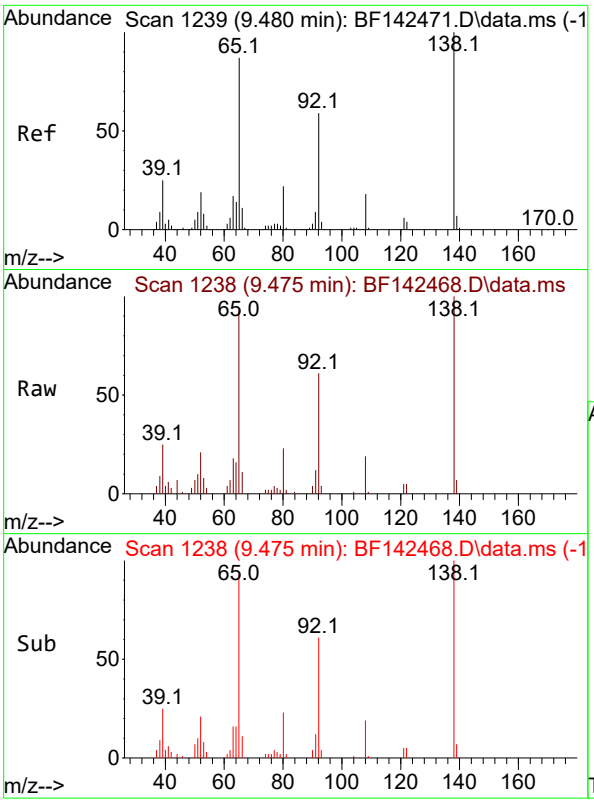


#47
2-Chloronaphthalene
Concen: 5.311 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:162 Resp: 60002

Ion	Ratio	Lower	Upper
162	100		
127	39.4	33.5	50.3
164	32.0	26.1	39.1



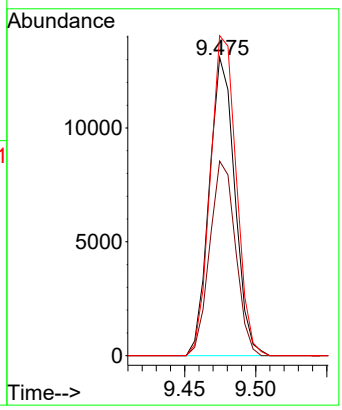


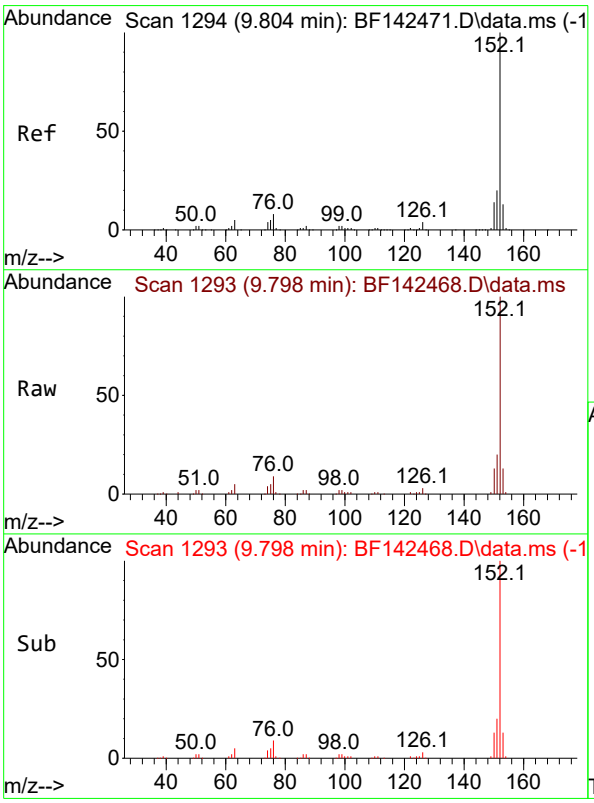
#48
2-Nitroaniline
Concen: 5.022 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 16399

Ion	Ratio	Lower	Upper
65	100		
92	65.2	54.4	81.6
138	107.2	91.4	137.2

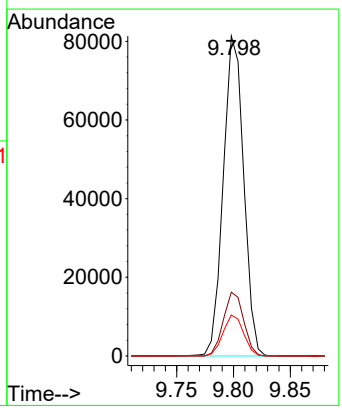


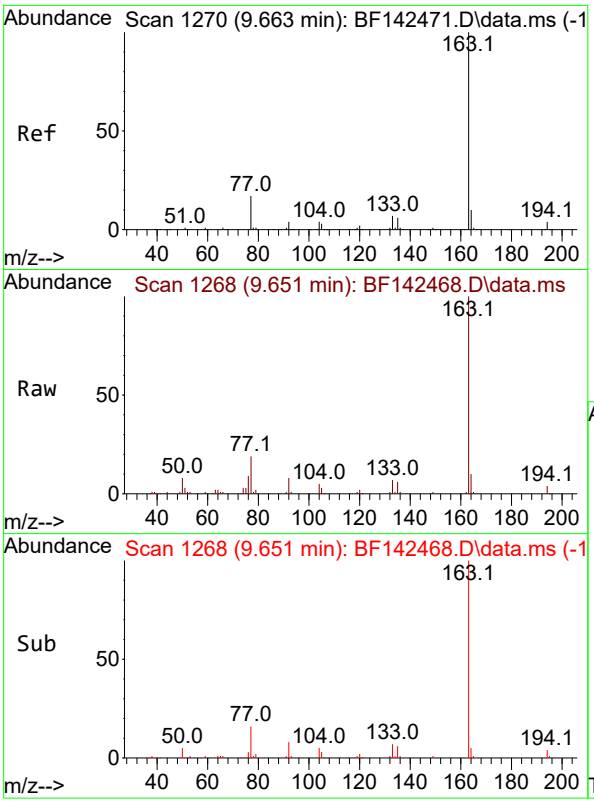


#49
Acenaphthylene
Concen: 5.330 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:152 Resp: 101686

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.8	10.6	15.8



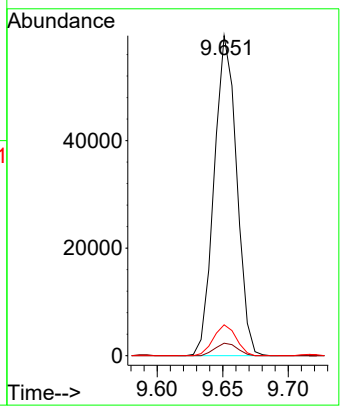


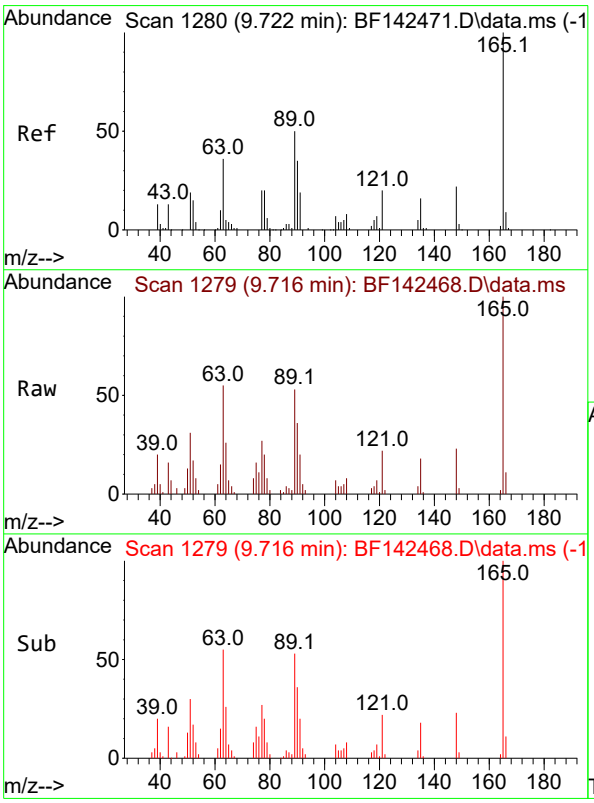
#50
Dimethylphthalate
Concen: 5.461 ng
RT: 9.651 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 71020

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.7	8.2	12.4

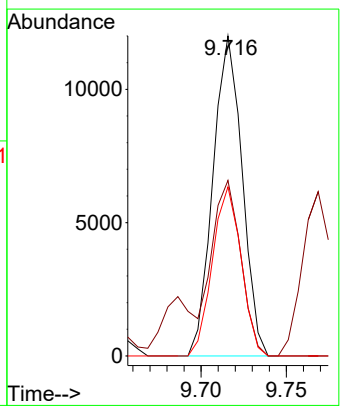


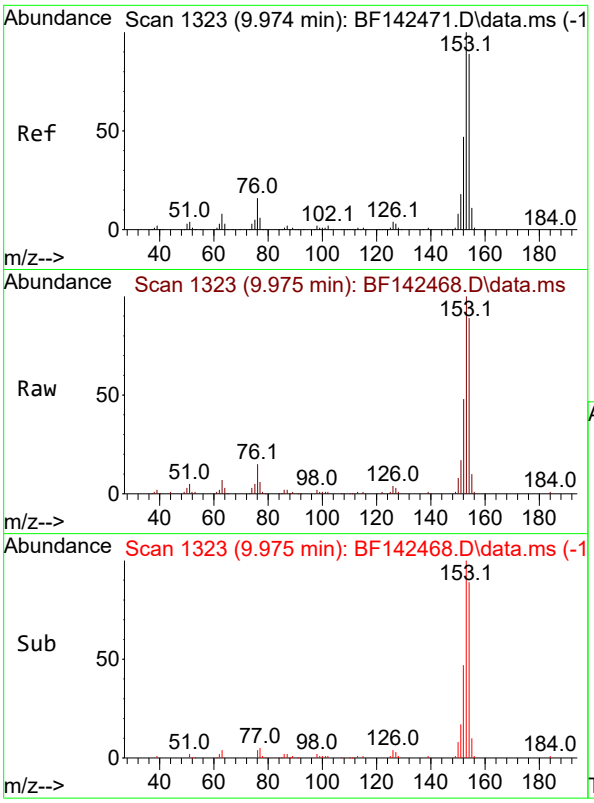


#51
2,6-Dinitrotoluene
Concen: 5.093 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:165 Resp: 14295

Ion	Ratio	Lower	Upper
165	100		
63	54.8	42.9	64.3
89	52.9	40.2	60.4



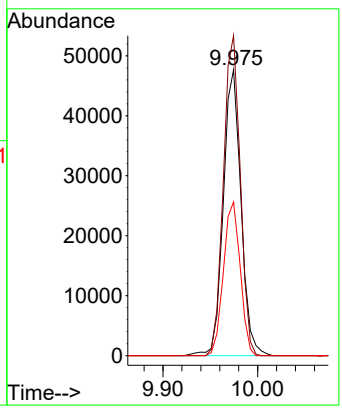


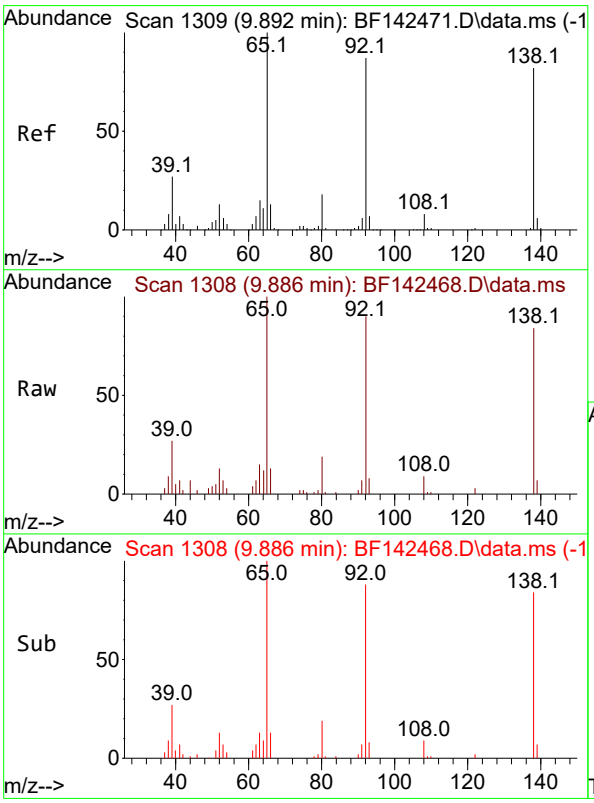
#52
Acenaphthene
Concen: 5.325 ng
RT: 9.975 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 62026

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.0	135.0
152	53.8	42.6	64.0

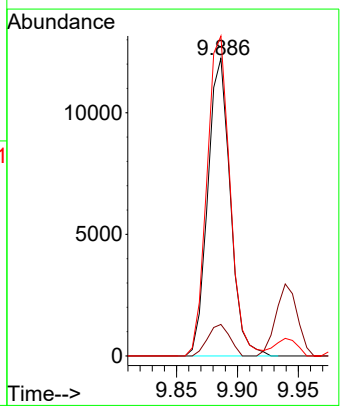


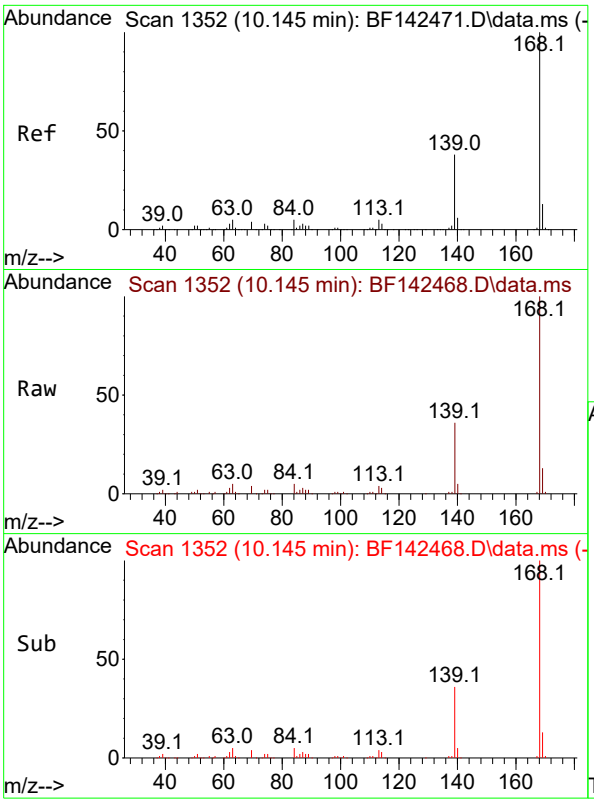


#53
3-Nitroaniline
Concen: 5.137 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:138 Resp: 15749

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	107.5	85.2	127.8



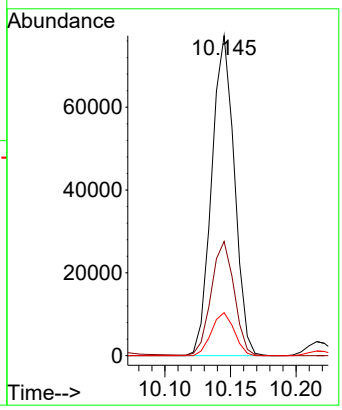


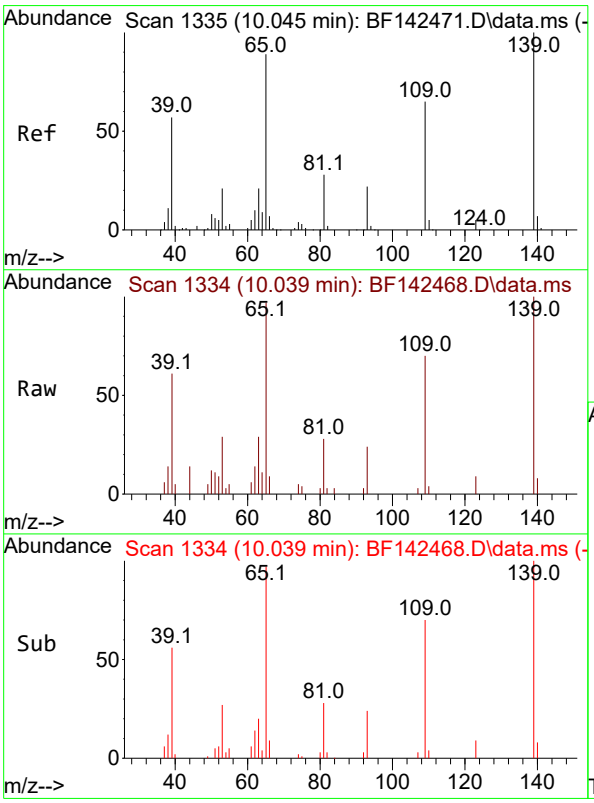
#55
Dibenzofuran
Concen: 5.545 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 92955

Ion	Ratio	Lower	Upper
168	100		
139	35.7	30.2	45.2
169	13.5	10.7	16.1

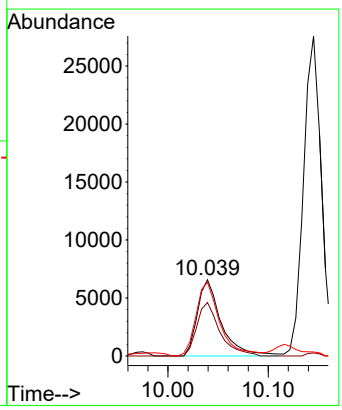


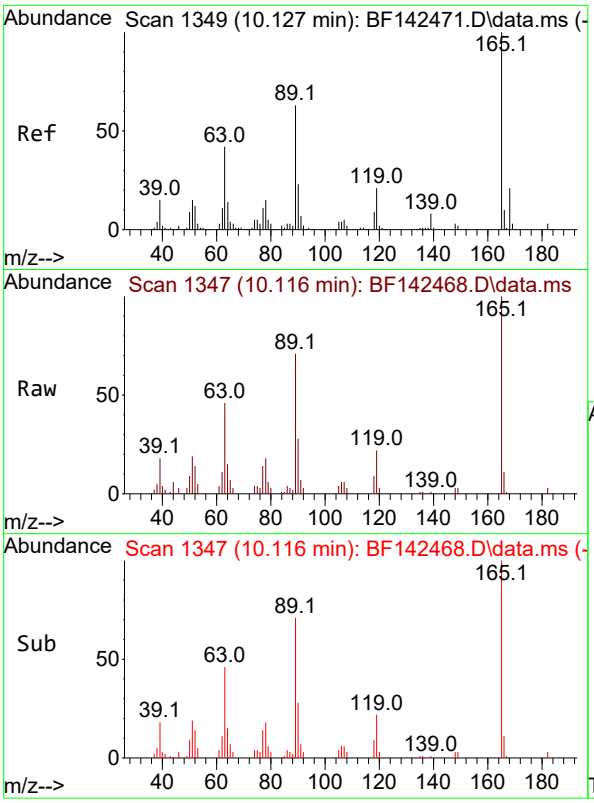


#56
4-Nitrophenol
Concen: 4.808 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:139 Resp: 10876

Ion	Ratio	Lower	Upper
139	100		
109	70.0	45.1	85.1
65	96.7	69.7	109.7



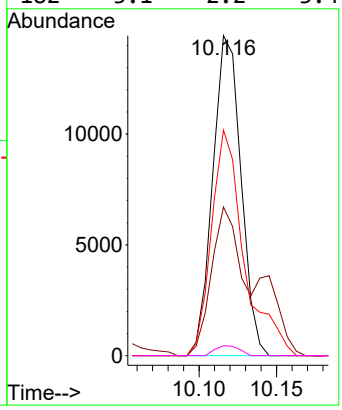


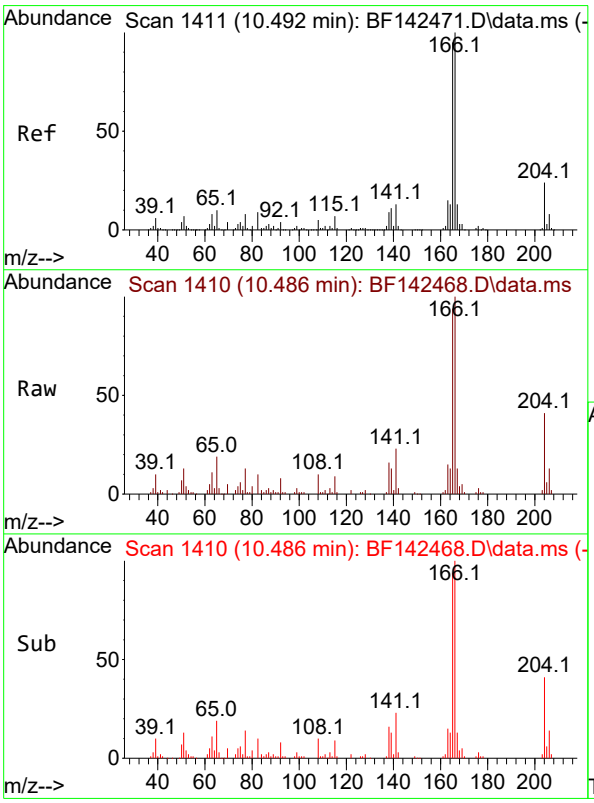
#57
2,4-Dinitrotoluene
Concen: 4.998 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 18322

Ion	Ratio	Lower	Upper
165	100		
63	46.5	33.6	50.4
89	70.5	50.2	75.4
182	3.1	2.2	3.4

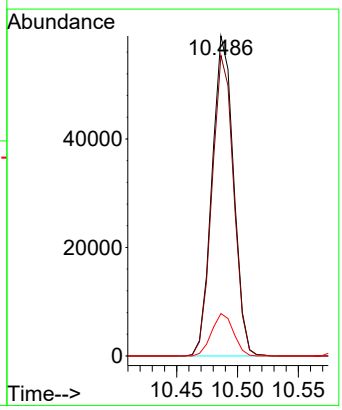


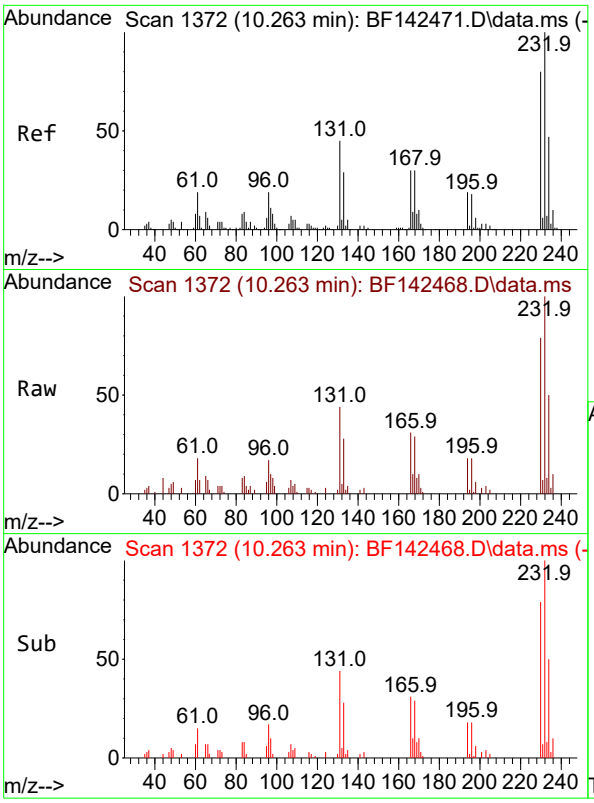


#58
Fluorene
Concen: 5.620 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:166 Resp: 72775

Ion	Ratio	Lower	Upper
166	100		
165	93.9	75.8	113.8
167	13.2	10.6	16.0



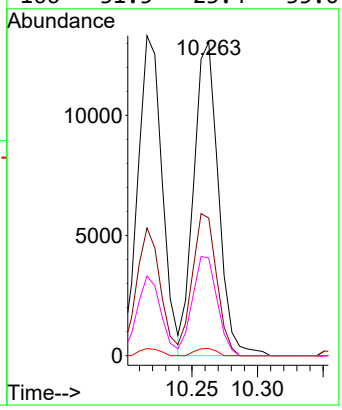


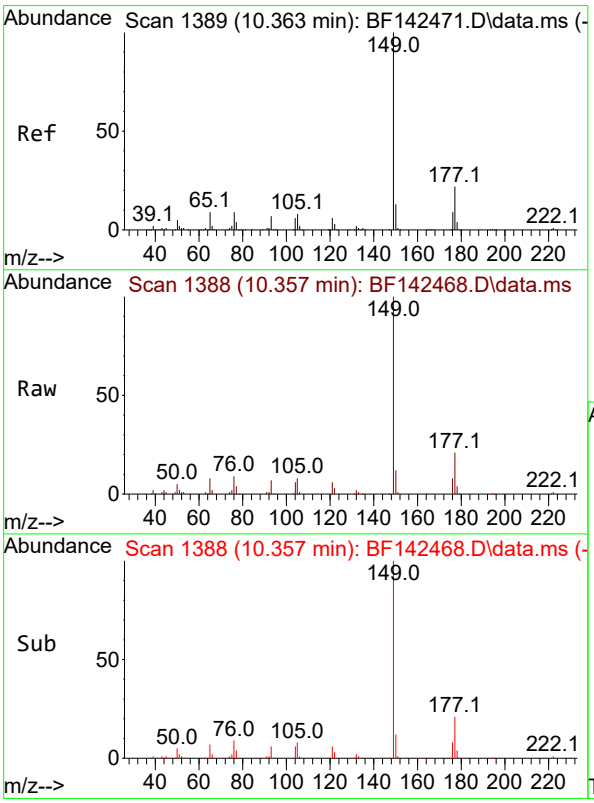
#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 17096

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.2	52.8
130	1.9	1.7	2.5
166	31.5	23.4	35.0

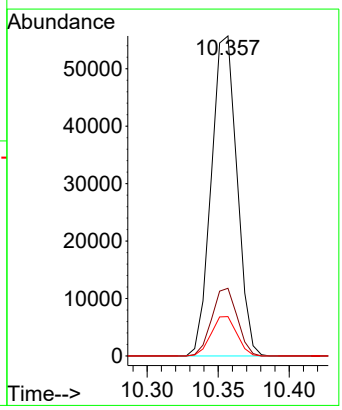


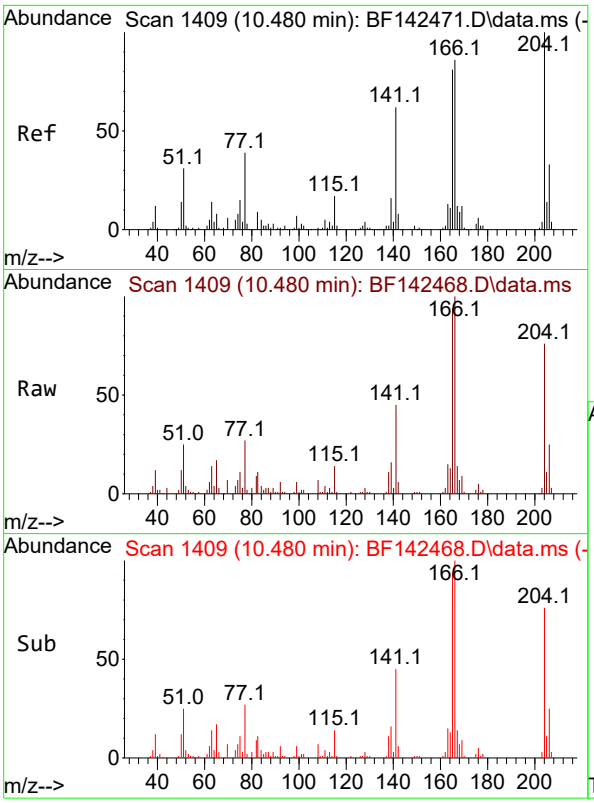


#60
Diethylphthalate
Concen: 5.515 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 70046

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.6	26.4
150	12.3	10.1	15.1



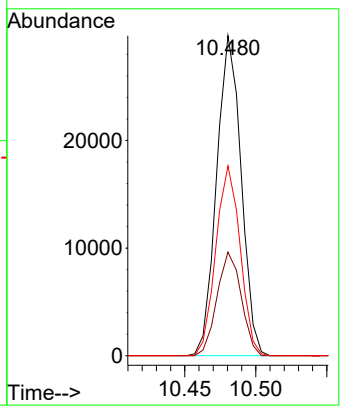


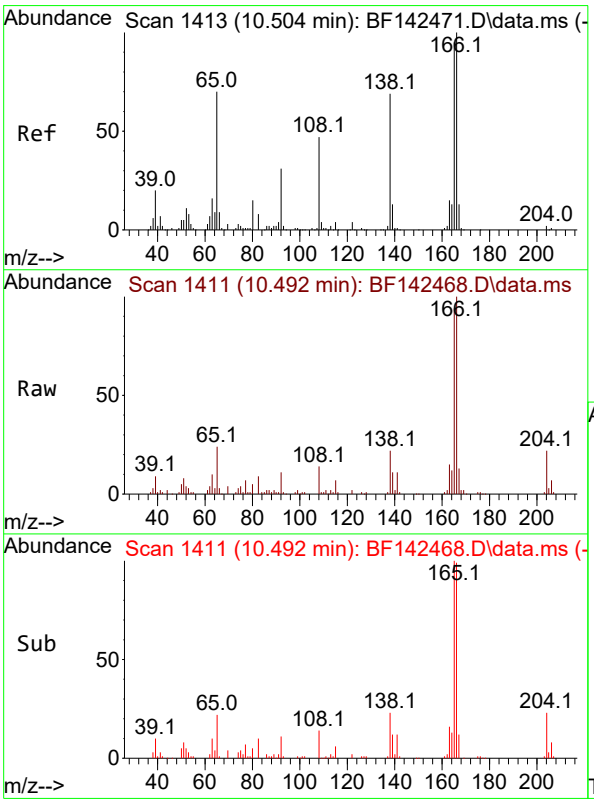
#61
4-Chlorophenyl-phenylether
Concen: 5.611 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 35694

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	59.3	49.5	74.3

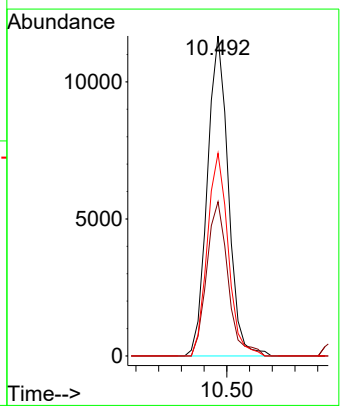


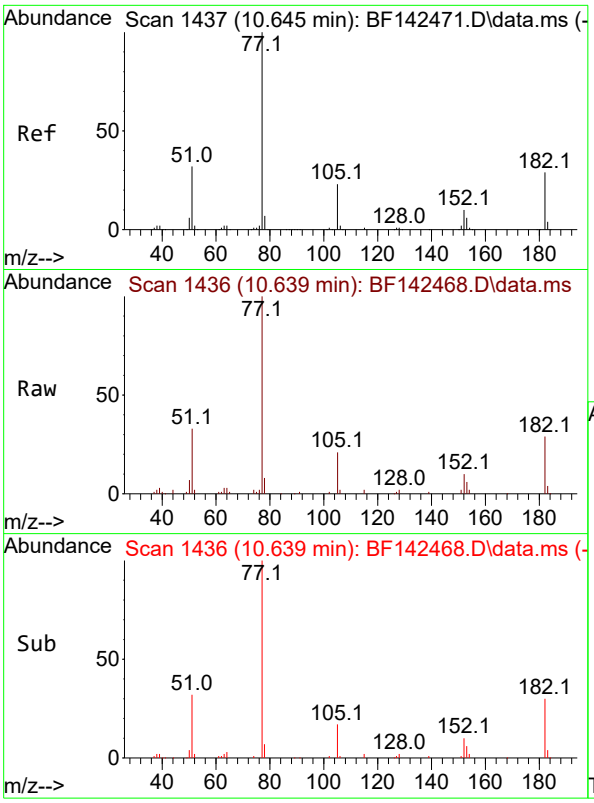


#62
4-Nitroaniline
Concen: 5.366 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:138 Resp: 14920

Ion	Ratio	Lower	Upper
138	100		
92	48.2	26.0	66.0
108	63.4	48.4	88.4



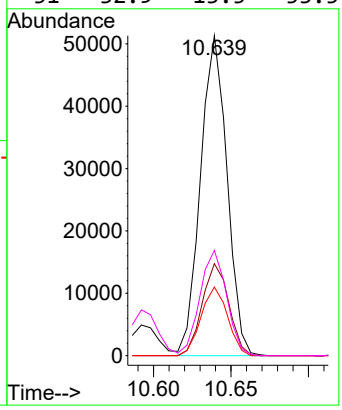


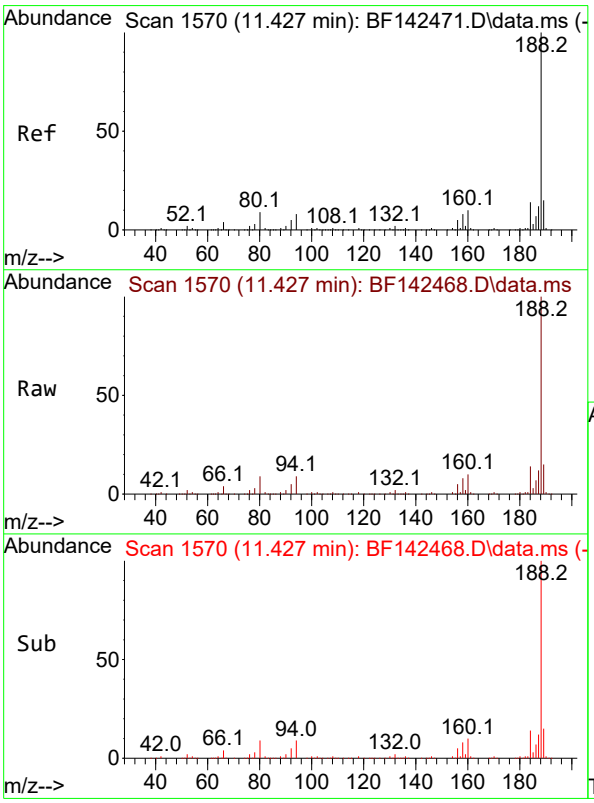
#63
Azobenzene
Concen: 5.351 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 61041

Ion	Ratio	Lower	Upper
77	100		
182	28.8	9.0	49.0
105	21.4	2.4	42.4
51	32.9	13.5	53.5

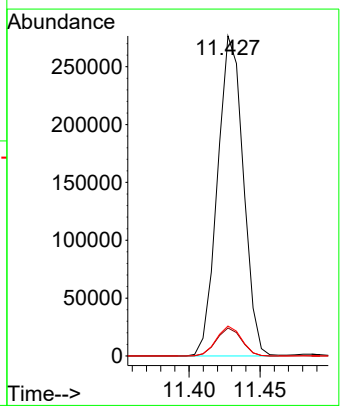


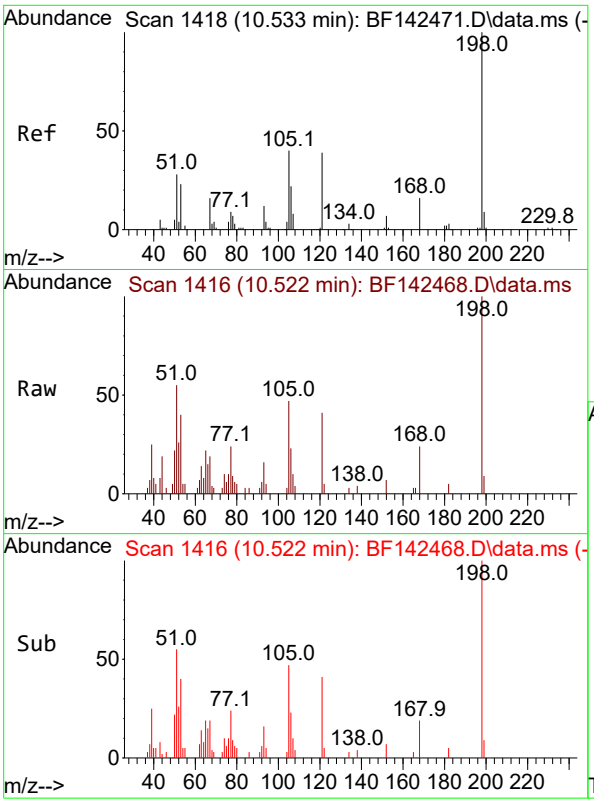


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:188 Resp: 349474

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.3	7.4	11.0



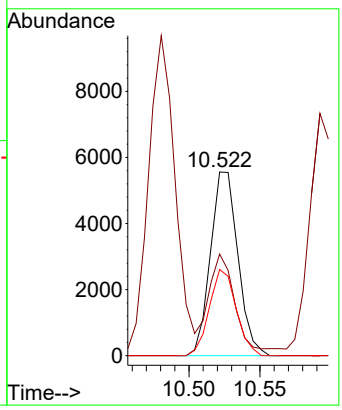


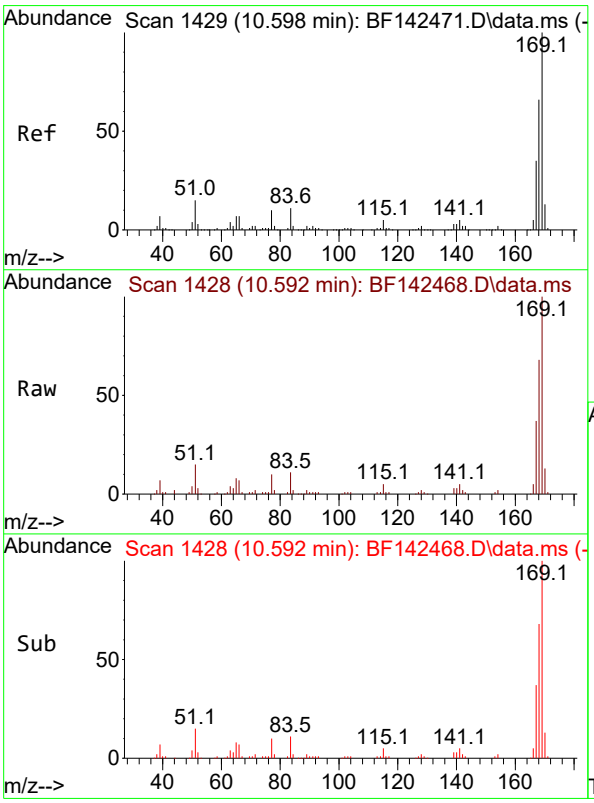
#65
4,6-Dinitro-2-methylphenol
Concen: 3.833 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 7475

Ion	Ratio	Lower	Upper
198	100		
51	55.3	28.3	68.3
105	46.9	21.3	61.3

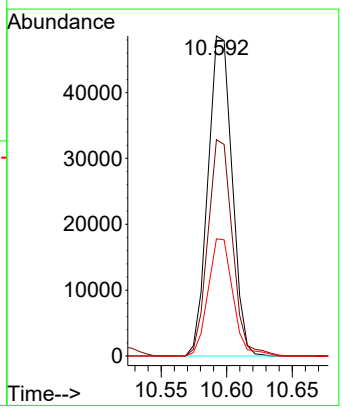


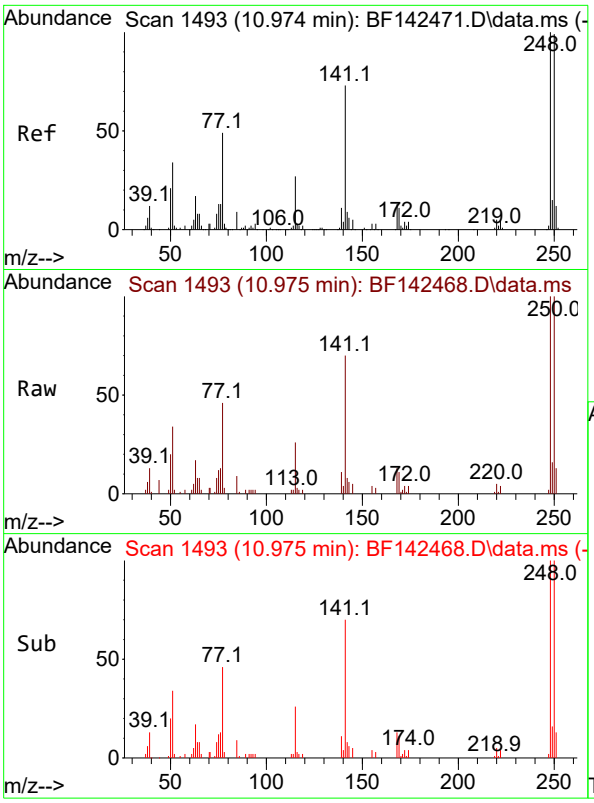


#66
n-Nitrosodiphenylamine
Concen: 5.204 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:169 Resp: 62215

Ion	Ratio	Lower	Upper
169	100		
168	67.6	52.7	79.1
167	36.6	28.3	42.5



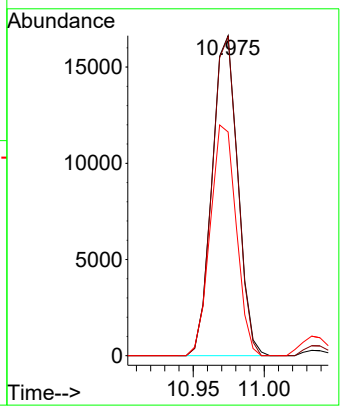


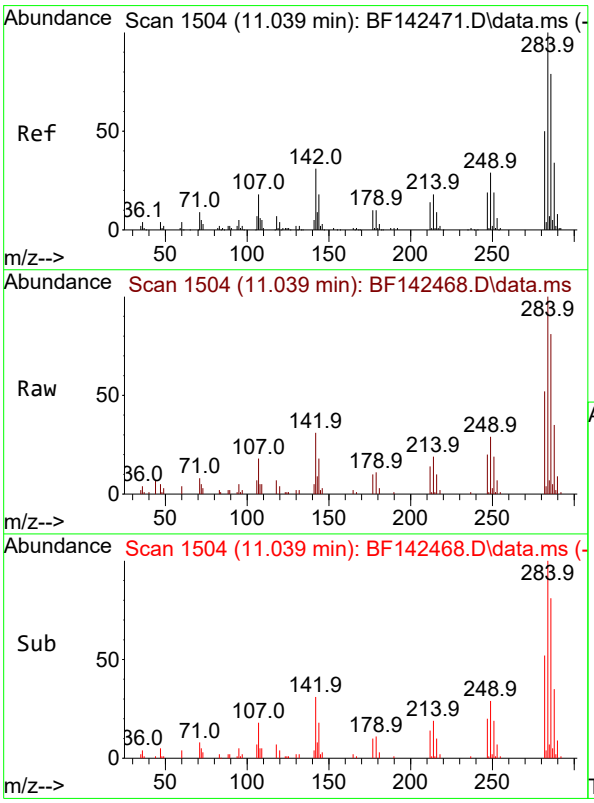
#67
4-Bromophenyl-phenylether
Concen: 5.076 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 20974

Ion	Ratio	Lower	Upper
248	100		
250	99.7	79.0	118.4
141	69.9	58.4	87.6

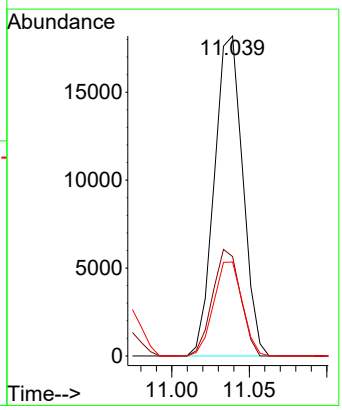


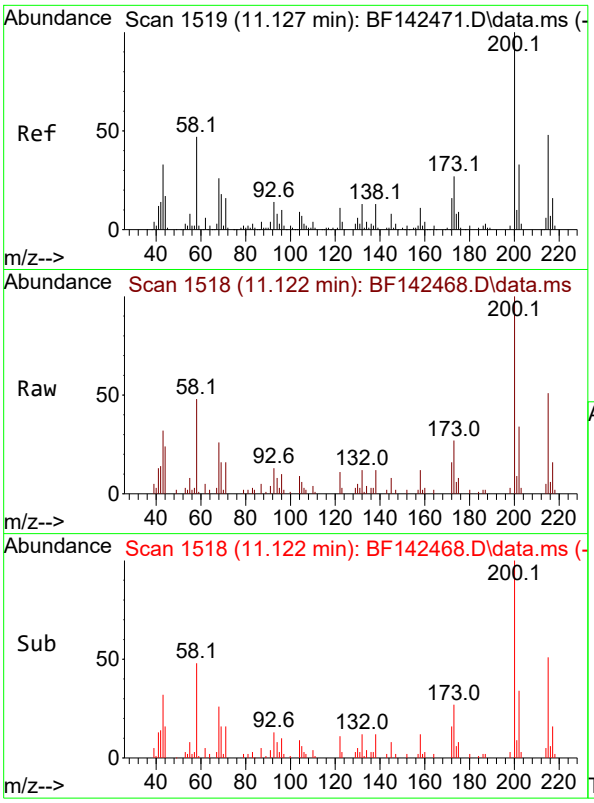


#68
Hexachlorobenzene
Concen: 5.067 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:284 Resp: 23159

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.8	37.2
249	29.4	23.6	35.4



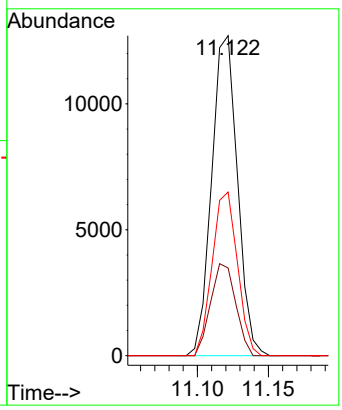


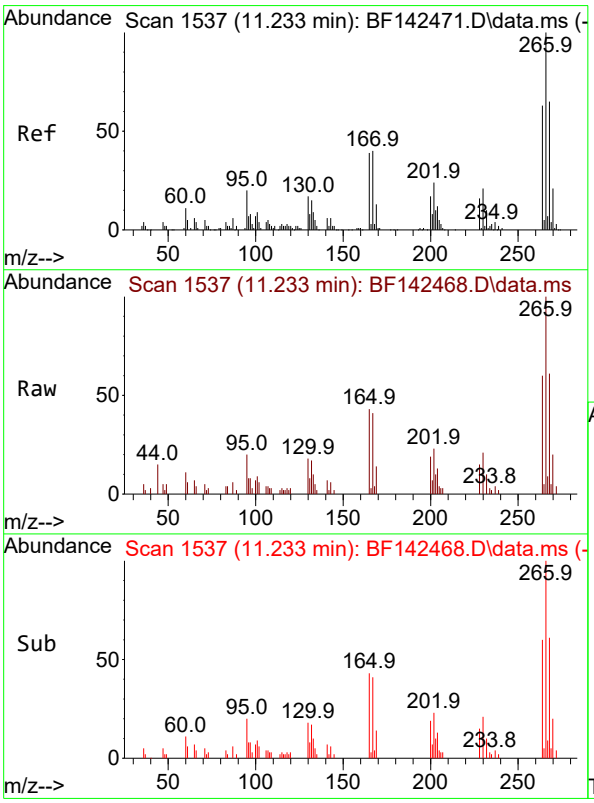
#69
Atrazine
Concen: 5.053 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 16045

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	51.1	28.5	68.5

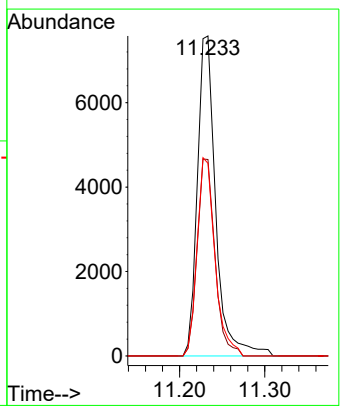


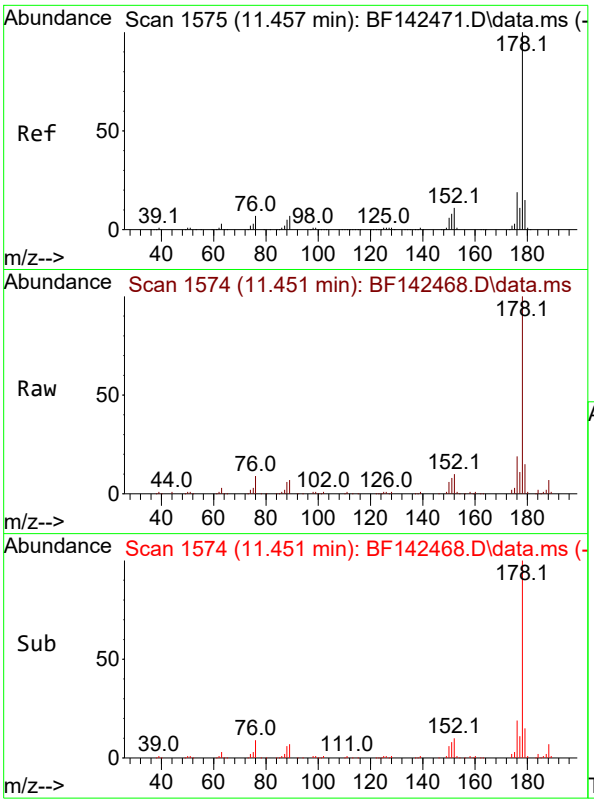


#70
Pentachlorophenol
Concen: 4.401 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:266 Resp: 11357

Ion	Ratio	Lower	Upper
266	100		
268	61.4	51.7	77.5
264	60.2	50.4	75.6



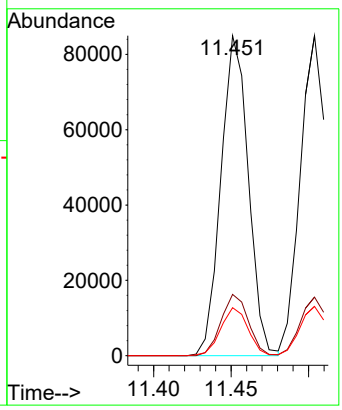


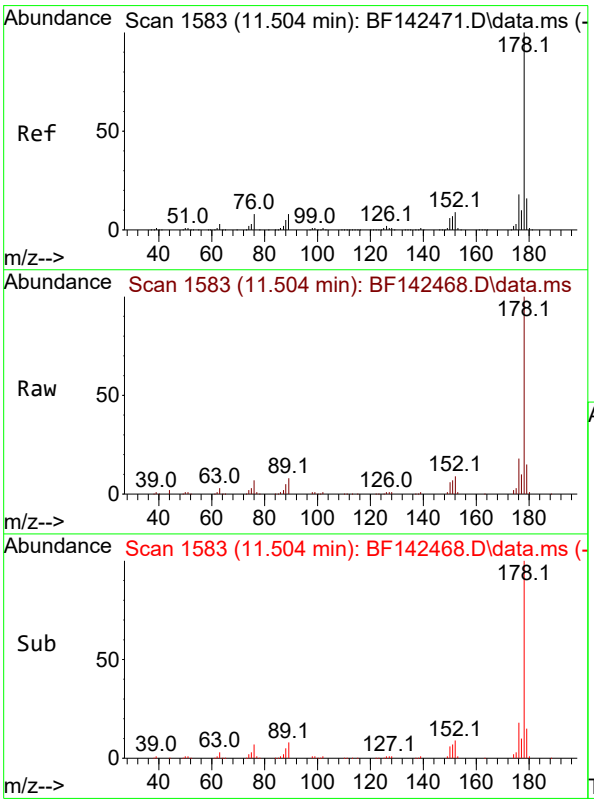
#71
Phenanthrene
Concen: 5.594 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 104484

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.0	12.3	18.5

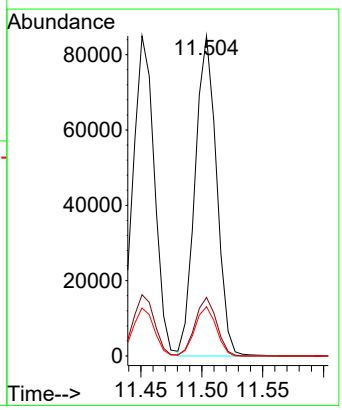


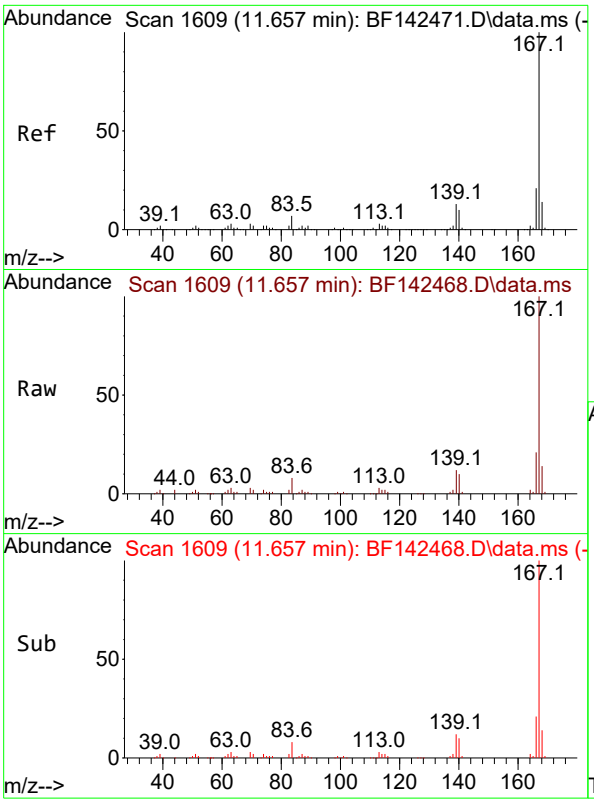


#72
Anthracene
Concen: 5.457 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:178 Resp: 104017

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.4	12.4	18.6



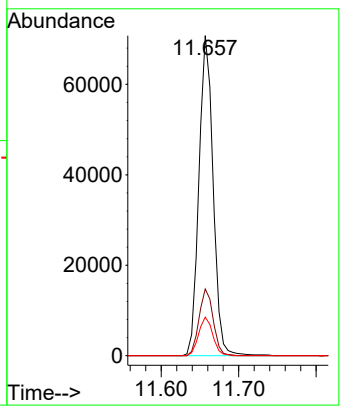


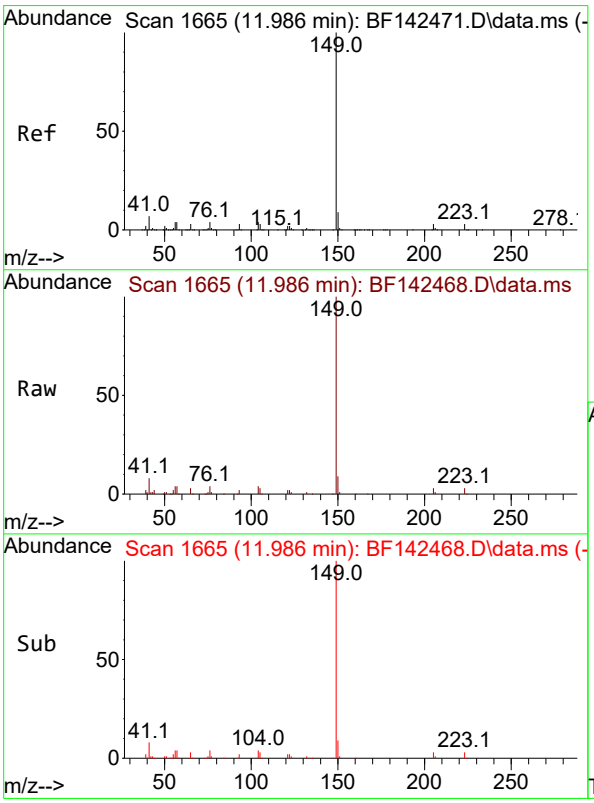
#73
Carbazole
Concen: 5.521 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 89967

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	12.1	10.2	15.4

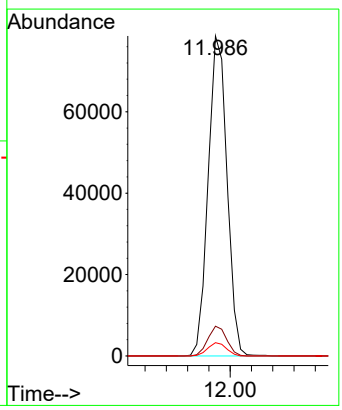


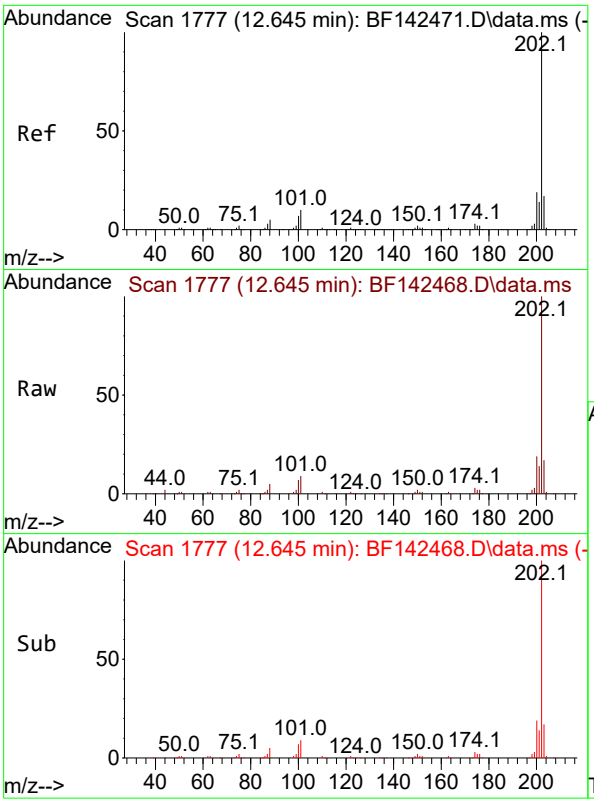


#74
Di-n-butylphthalate
Concen: 5.426 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 96777

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.1	3.6	5.4



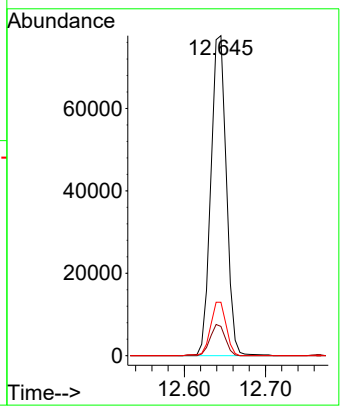


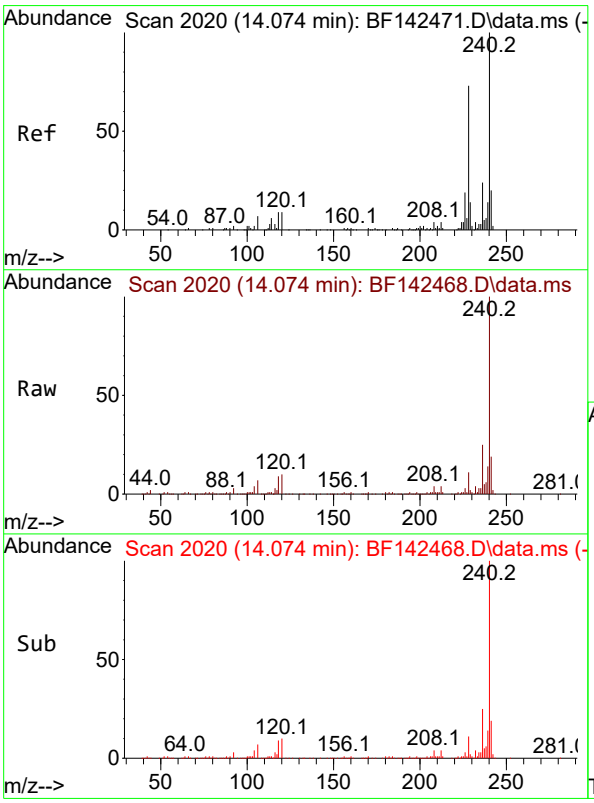
#75
Fluoranthene
Concen: 5.890 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 102797

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.6
203	16.7	0.0	37.2

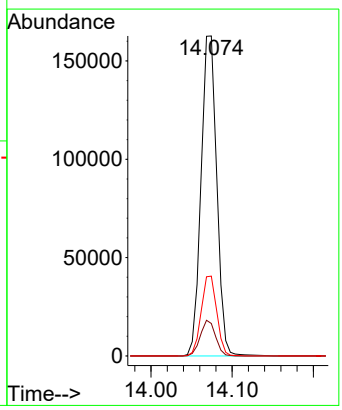


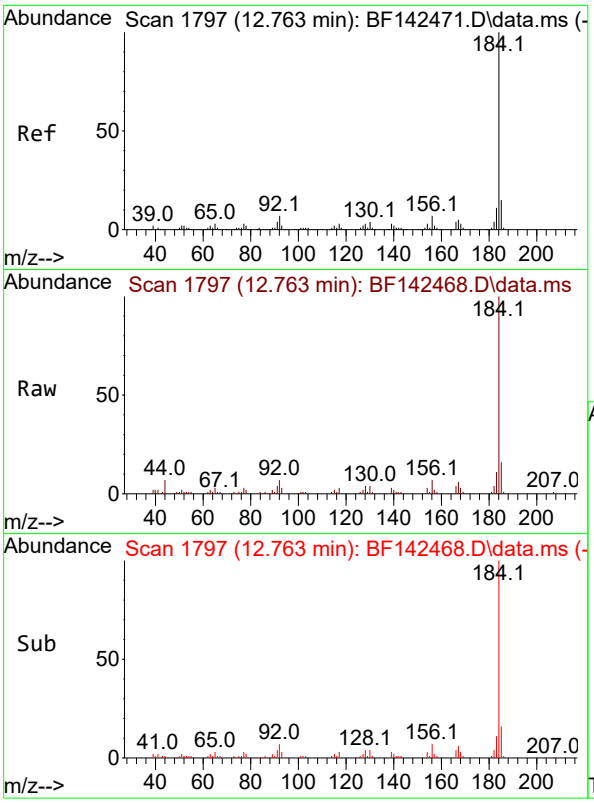


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:240 Resp: 218524

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.5	11.3
236	25.0	19.6	29.4



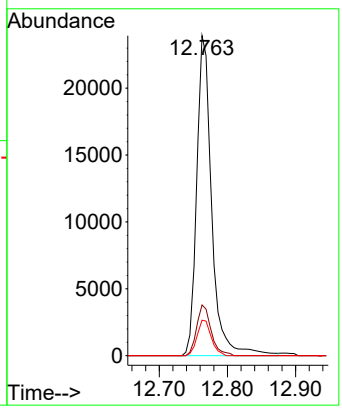


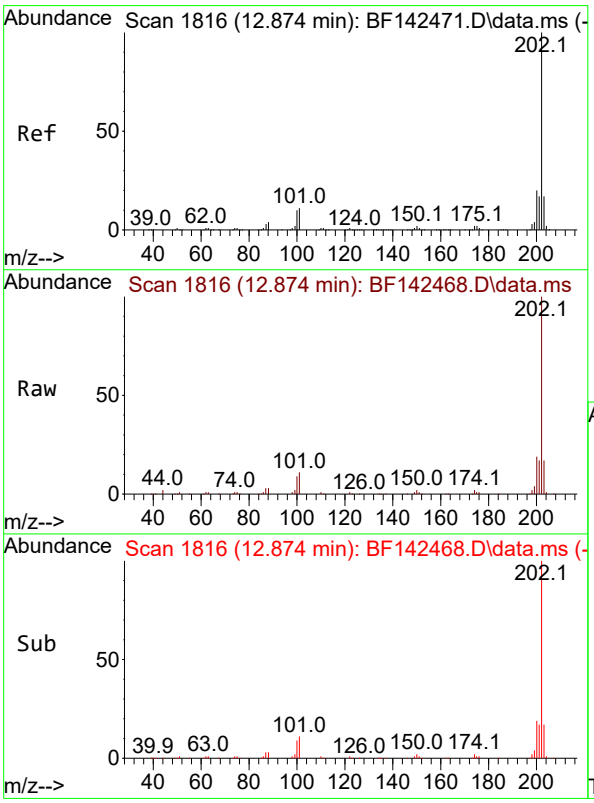
#77
Benzidine
Concen: 4.499 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 36585

Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.6	17.4
183	11.1	9.0	13.4

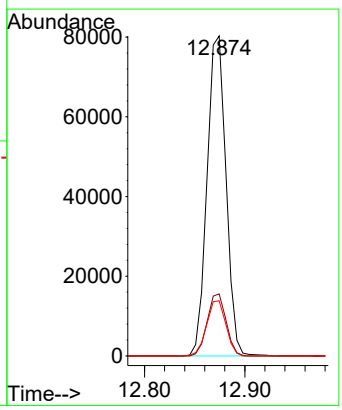


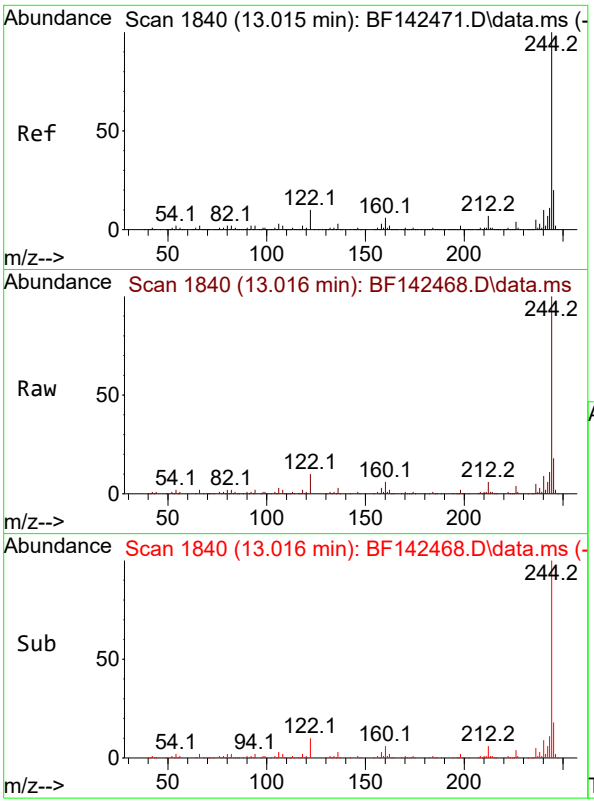


#78
Pyrene
Concen: 5.170 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:202 Resp: 105394

Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.1	24.1
203	17.2	13.9	20.9



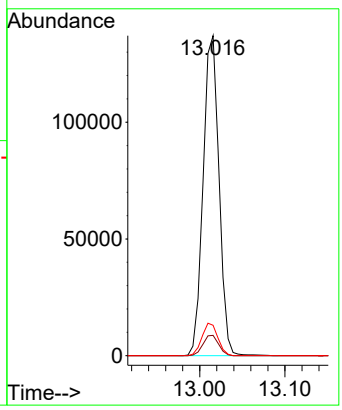


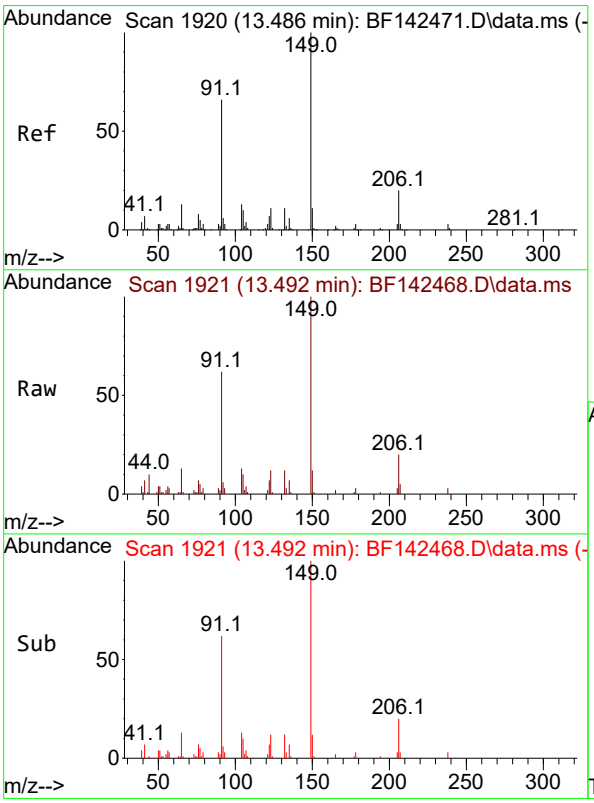
#79
Terphenyl-d14
Concen: 11.096 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 177430

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	9.5	8.2	12.2

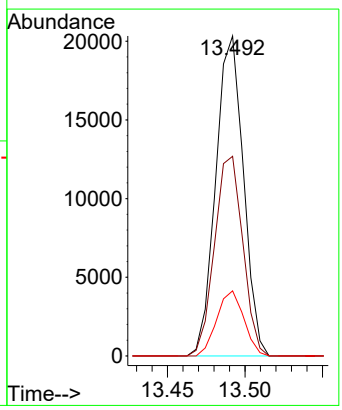


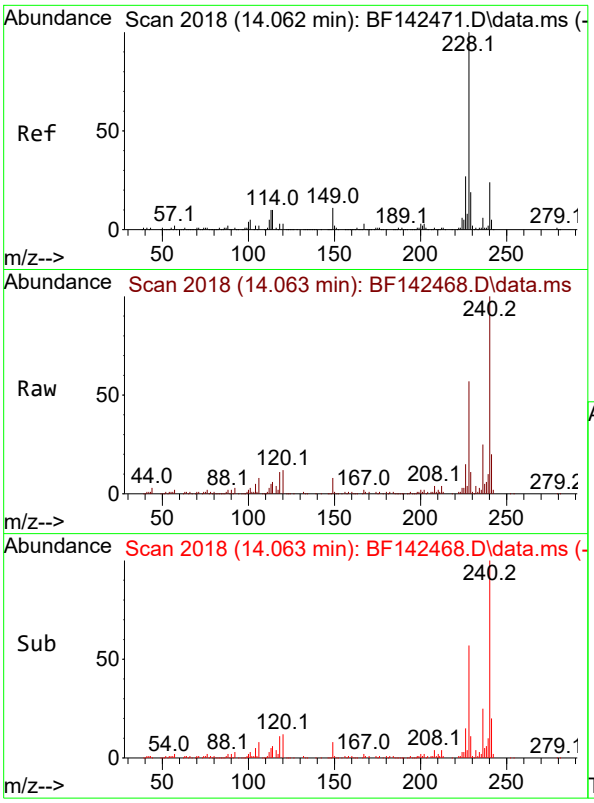


#80
Butylbenzylphthalate
Concen: 4.483 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 25251

Ion	Ratio	Lower	Upper
149	100		
91	62.4	52.9	79.3
206	20.3	16.2	24.2



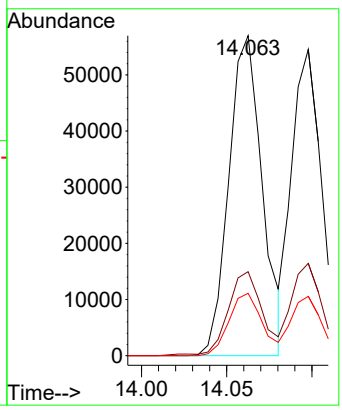


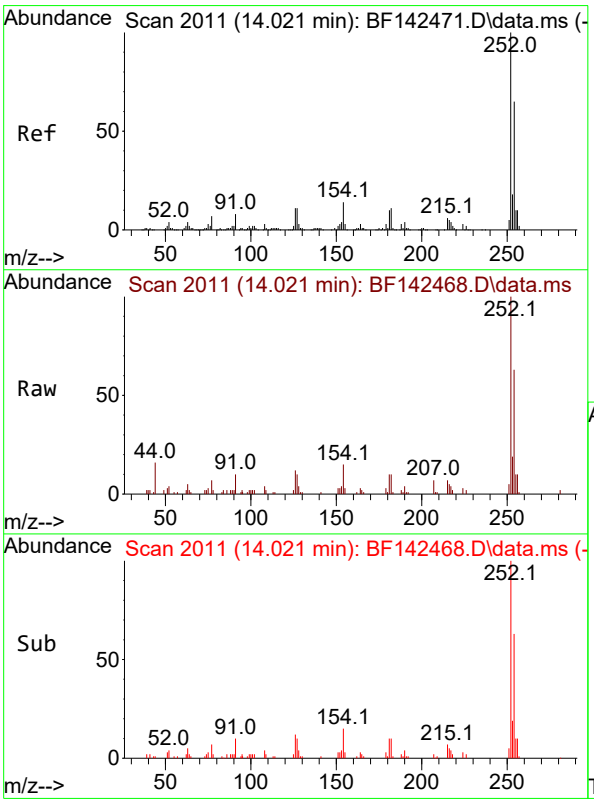
#81
Benzo(a)anthracene
Concen: 5.332 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 77800

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.2	31.8
229	19.5	15.5	23.3

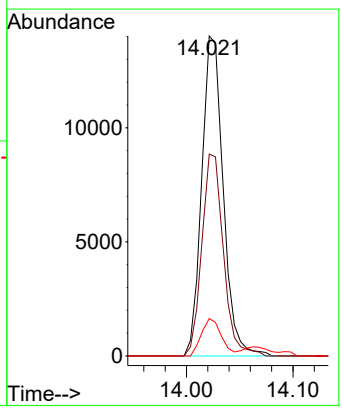


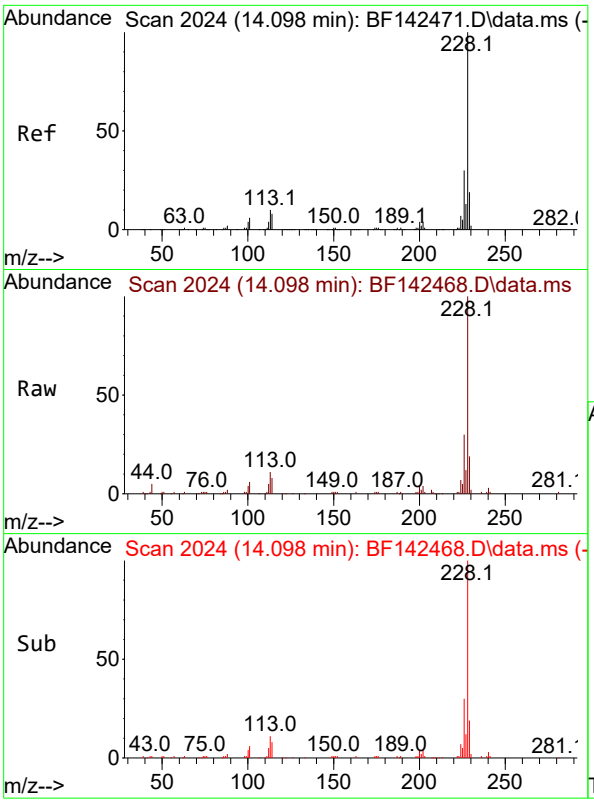


#82
3,3'-Dichlorobenzidine
Concen: 4.445 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:252 Resp: 19673

Ion	Ratio	Lower	Upper
252	100		
254	63.1	52.0	78.0
126	11.7	8.9	13.3



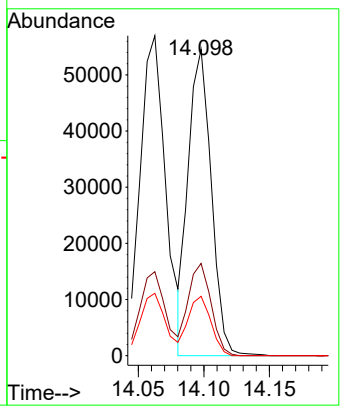


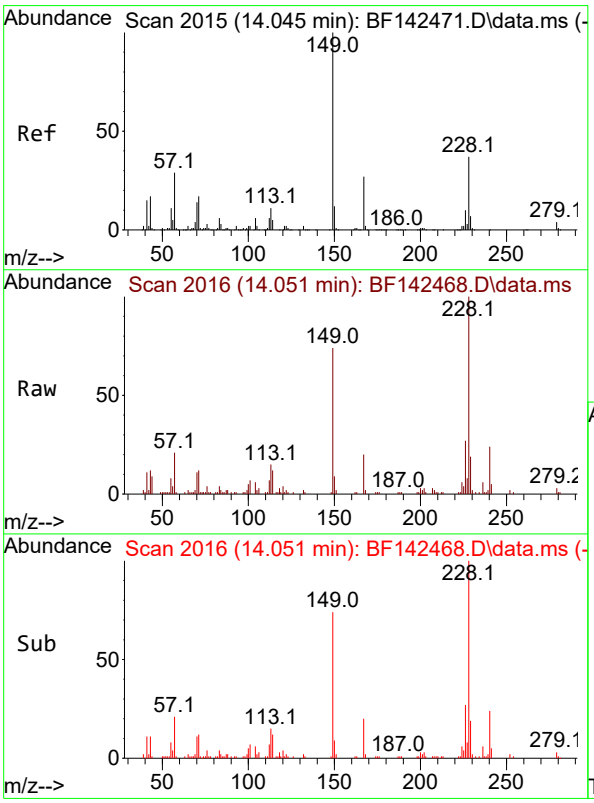
#83
Chrysene
Concen: 5.092 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 66761

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	19.4	15.4	23.2

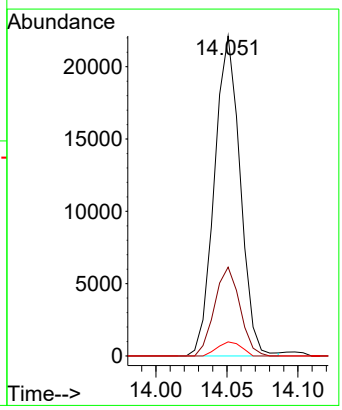


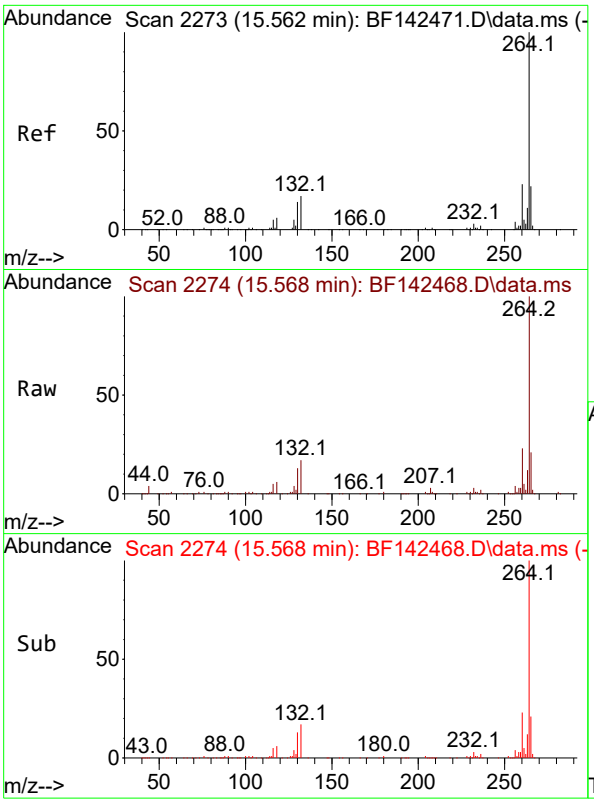


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.864 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:149 Resp: 27864

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	4.4	3.2	4.8



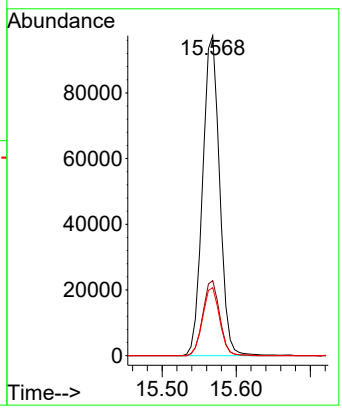


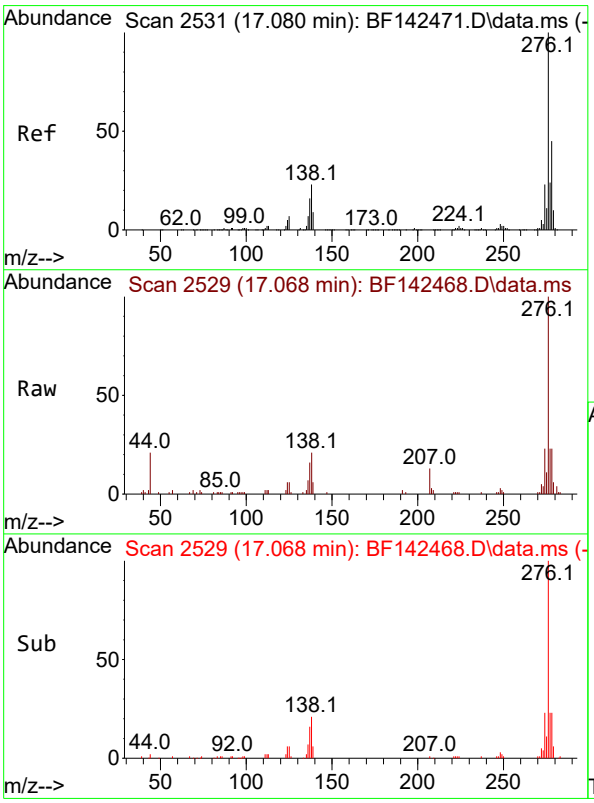
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 154887

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.3	17.7	26.5

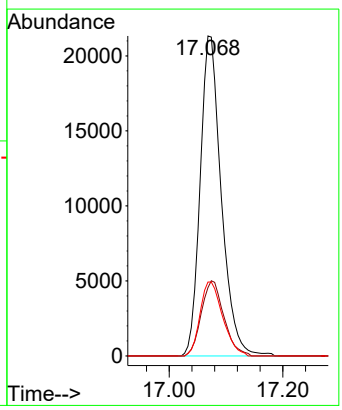


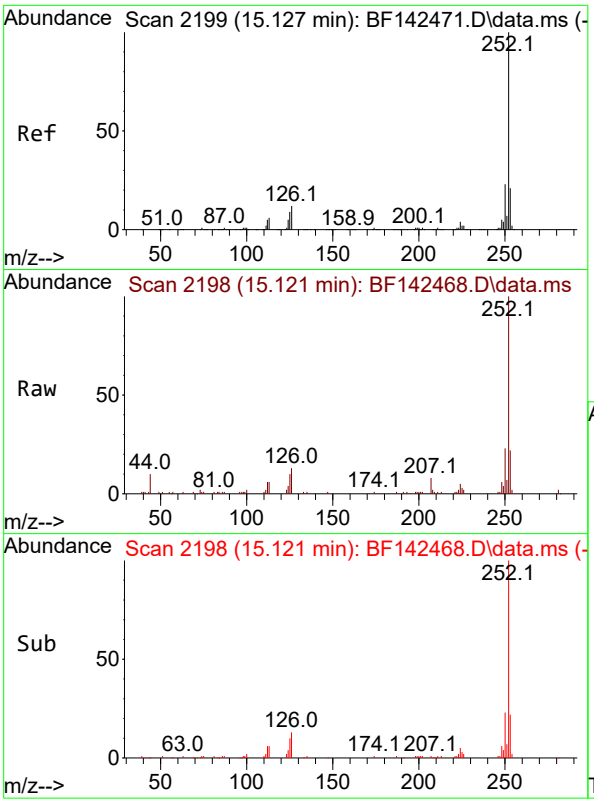


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.733 ng
RT: 17.068 min Scan# 2529
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:276 Resp: 55034

Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.9	29.9
277	24.8	20.2	30.2



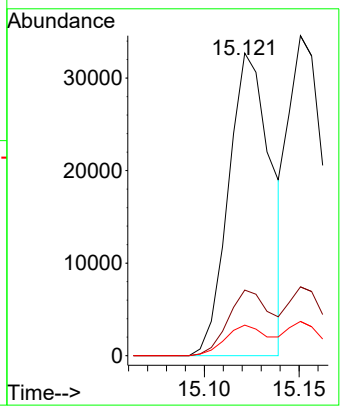


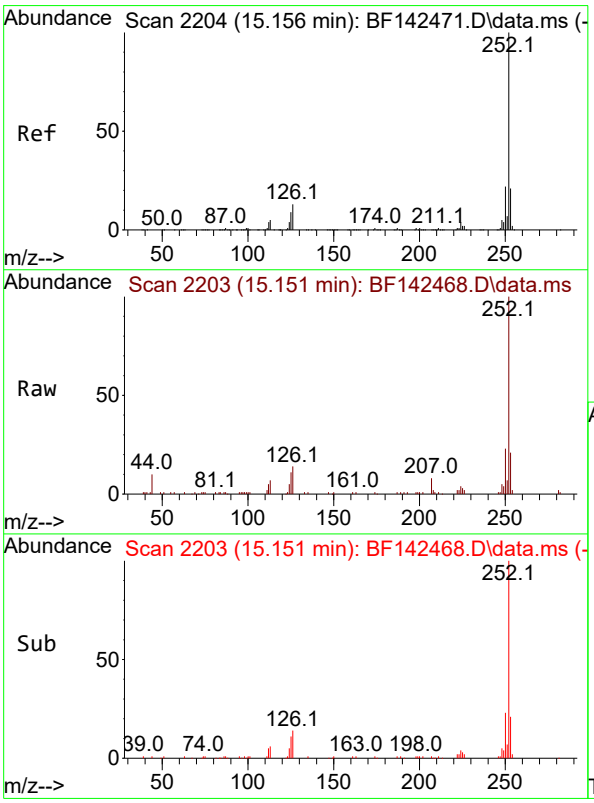
#88
Benzo(b)fluoranthene
Concen: 5.565 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 51014

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	10.1	7.4	11.0

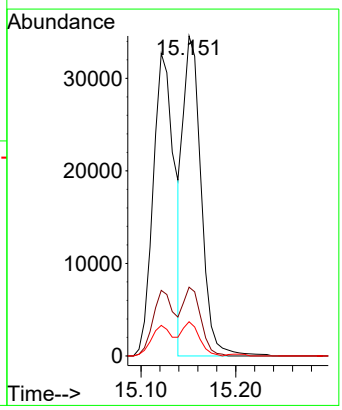


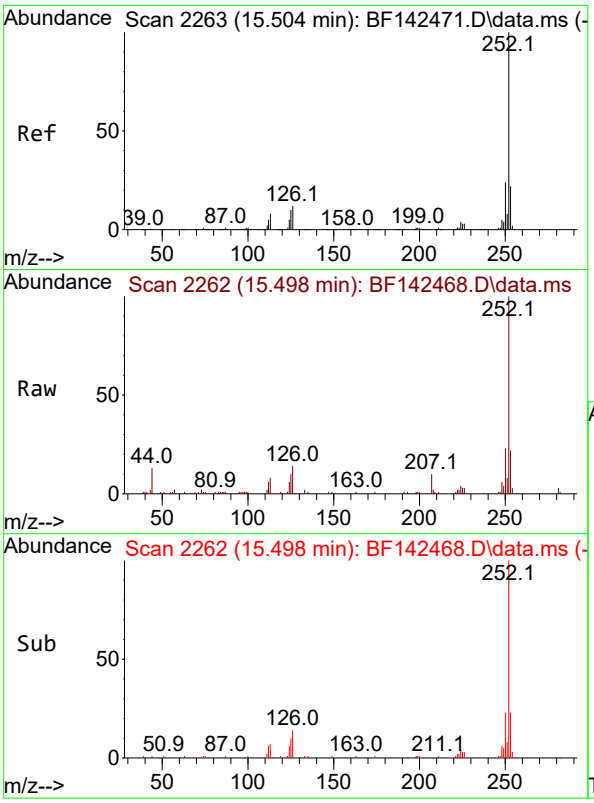


#89
Benzo(k)fluoranthene
Concen: 5.371 ng
RT: 15.151 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:252 Resp: 46114

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.4
125	10.7	7.3	10.9



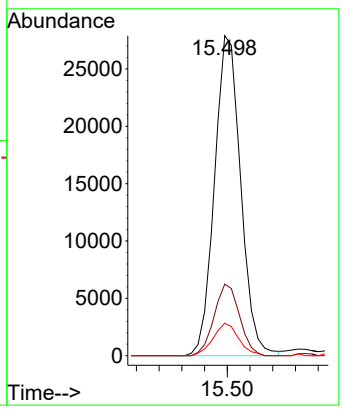


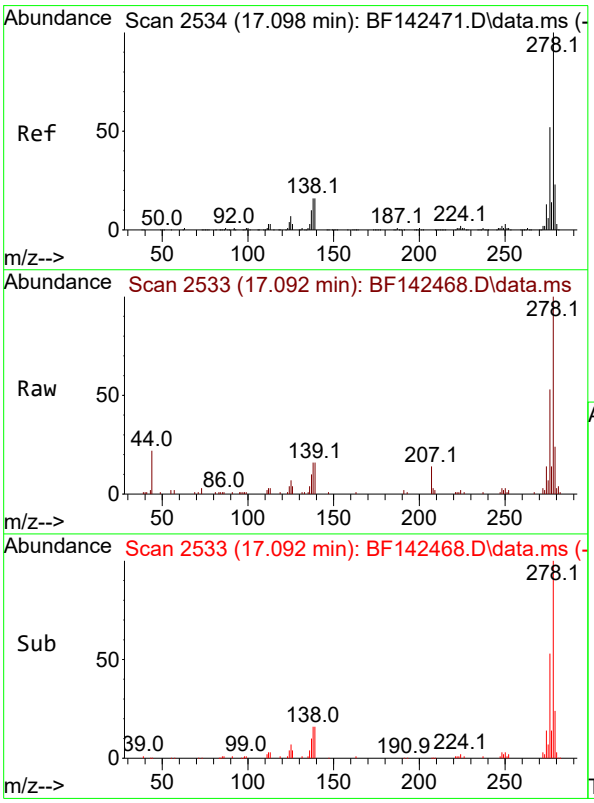
#90
Benzo(a)pyrene
Concen: 5.172 ng
RT: 15.498 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 44694

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	10.1	7.9	11.9

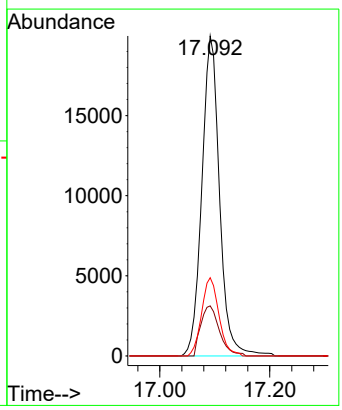


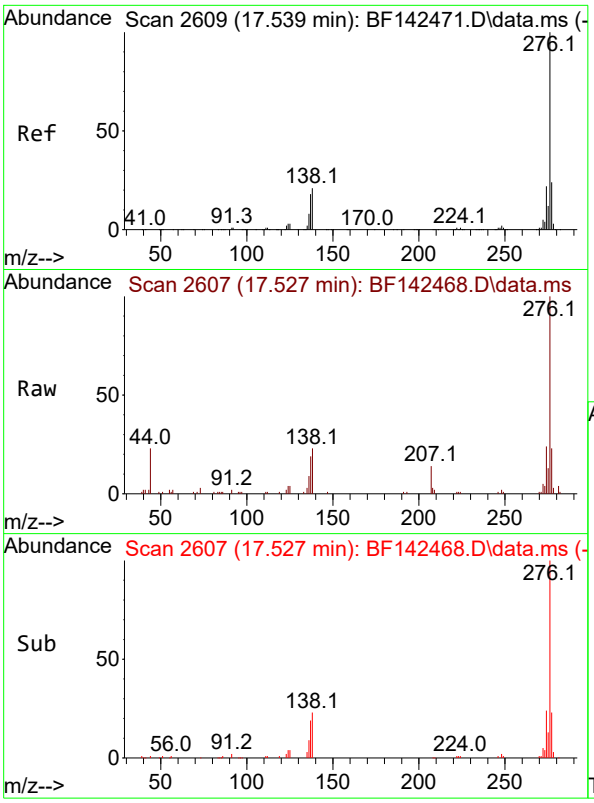


#91
Dibenzo(a,h)anthracene
Concen: 4.731 ng
RT: 17.092 min Scan# 2533
Delta R.T. -0.023 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Tgt Ion:278 Resp: 44618

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.8	19.2
279	24.4	18.6	28.0



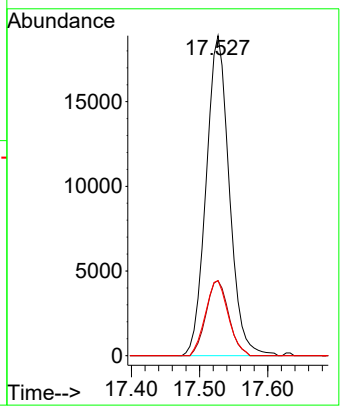


#92
Benzo(g,h,i)perylene
Concen: 4.737 ng
RT: 17.527 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142468.D
Acq: 20 May 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 44684

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.5	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	93167	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	365488	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	205654	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	357871	20.000	ng		0.00
76) Chrysene-d12	14.069	240	197144	20.000	ng		0.00
86) Perylene-d12	15.563	264	160066	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	113098	20.452	ng		-0.01
7) Phenol-d6	6.516	99	134953	20.273	ng		-0.02
23) Nitrobenzene-d5	7.457	82	133256	19.881	ng		-0.02
42) 2,4,6-Tribromophenol	10.728	330	46280	20.276	ng		-0.01
45) 2-Fluorobiphenyl	9.257	172	332871	21.719	ng		-0.01
79) Terphenyl-d14	13.010	244	311785	21.612	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	21412	9.676	ng		99
3) Pyridine	3.440	79	53586	9.509	ng		97
4) n-Nitrosodimethylamine	3.369	42	27624	9.441	ng	#	97
6) Aniline	6.557	93	87993	9.831	ng		99
8) 2-Chlorophenol	6.681	128	60216	9.997	ng		100
9) Benzaldehyde	6.446	77	45431	11.347	ng		98
10) Phenol	6.528	94	75527	10.083	ng		97
11) bis(2-Chloroethyl)ether	6.628	93	53797	9.978	ng		99
12) 1,3-Dichlorobenzene	6.840	146	68483	10.189	ng		98
13) 1,4-Dichlorobenzene	6.916	146	68774	10.158	ng		98
14) 1,2-Dichlorobenzene	7.069	146	65441	10.102	ng		99
15) Benzyl Alcohol	7.034	79	47712	9.699	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.175	45	92128	10.175	ng		100
17) 2-Methylphenol	7.140	107	46205	9.825	ng		98
18) Hexachloroethane	7.416	117	23425	9.909	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	40995	9.937	ng		96
20) 3+4-Methylphenols	7.293	107	61444	10.203	ng	#	86
22) Acetophenone	7.304	105	82804	10.234	ng		98
24) Nitrobenzene	7.475	77	59873	9.904	ng		98
25) Isophorone	7.716	82	112365	10.027	ng		98
26) 2-Nitrophenol	7.798	139	31085	9.623	ng		96
27) 2,4-Dimethylphenol	7.828	122	57543	10.102	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	71943	10.277	ng		97
29) 2,4-Dichlorophenol	8.034	162	51500	9.941	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	57228	10.179	ng		97
31) Naphthalene	8.204	128	186515	10.364	ng		100
32) Benzoic acid	7.893	122	27956m	8.062	ng		
33) 4-Chloroaniline	8.251	127	74805	10.258	ng		98
34) Hexachlorobutadiene	8.322	225	35161	10.016	ng		99
35) Caprolactam	8.587	113	13862	9.527	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	52919	9.968	ng		98
37) 2-Methylnaphthalene	8.892	142	116592	10.298	ng		98
38) 1-Methylnaphthalene	8.992	142	122130	10.429	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	59609	10.097	ng		99
41) Hexachlorocyclopentadiene	9.051	237	36016	9.044	ng		97
43) 2,4,6-Trichlorophenol	9.169	196	38354	9.635	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	42272	10.069	ng		96
46) 1,1'-Biphenyl	9.357	154	165063	10.346	ng		99
47) 2-Chloronaphthalene	9.387	162	120339	10.208	ng		96
48) 2-Nitroaniline	9.475	65	32722	9.604	ng		98
49) Acenaphthylene	9.798	152	203767	10.237	ng		99
50) Dimethylphthalate	9.651	163	137804	10.155	ng		100
51) 2,6-Dinitrotoluene	9.716	165	29112	9.940	ng		98
52) Acenaphthene	9.975	154	125669	10.339	ng		96
53) 3-Nitroaniline	9.887	138	31820	9.947	ng		99
54) 2,4-Dinitrophenol	9.992	184	11352	7.502	ng	#	82
55) Dibenzofuran	10.145	168	181558	10.380	ng		98
56) 4-Nitrophenol	10.034	139	22320	9.456	ng		92
57) 2,4-Dinitrotoluene	10.116	165	37749	9.869	ng		97
58) Fluorene	10.486	166	143883	10.648	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	34548	9.857	ng		99
60) Diethylphthalate	10.357	149	134662	10.161	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	69739	10.506	ng		97
62) 4-Nitroaniline	10.492	138	29122	10.038	ng		98
63) Azobenzene	10.639	77	122806	10.317	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	16782	8.403	ng		94
66) n-Nitrosodiphenylamine	10.592	169	121959	9.961	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	42057	9.939	ng		96
68) Hexachlorobenzene	11.034	284	47773	10.207	ng		98
69) Atrazine	11.116	200	31184	9.591	ng		98
70) Pentachlorophenol	11.228	266	24115	9.126	ng		99
71) Phenanthrene	11.451	178	195667	10.231	ng		100
72) Anthracene	11.504	178	202509	10.375	ng		99
73) Carbazole	11.657	167	173217	10.381	ng		100
74) Di-n-butylphthalate	11.986	149	185880	10.177	ng		100
75) Fluoranthene	12.639	202	193456	10.825	ng		99
77) Benzidine	12.763	184	77091	10.508	ng		99
78) Pyrene	12.869	202	193842	10.540	ng		100
80) Butylbenzylphthalate	13.486	149	44682	8.793	ng		97
81) Benzo(a)anthracene	14.057	228	126886	9.639	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	35845	8.977	ng		99
83) Chrysene	14.092	228	118674	10.032	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	54056	8.310	ng		98
85) Di-n-octyl phthalate	14.663	149	94445	7.425	ng		100
87) Indeno(1,2,3-cd)pyrene	17.068	276	119642	9.956	ng		99
88) Benzo(b)fluoranthene	15.121	252	88432	9.335	ng		98
89) Benzo(k)fluoranthene	15.151	252	93315	10.517	ng		99
90) Benzo(a)pyrene	15.498	252	86477	9.684	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	98308	10.087	ng		98
92) Benzo(g,h,i)perylene	17.521	276	97640	10.016	ng		99

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

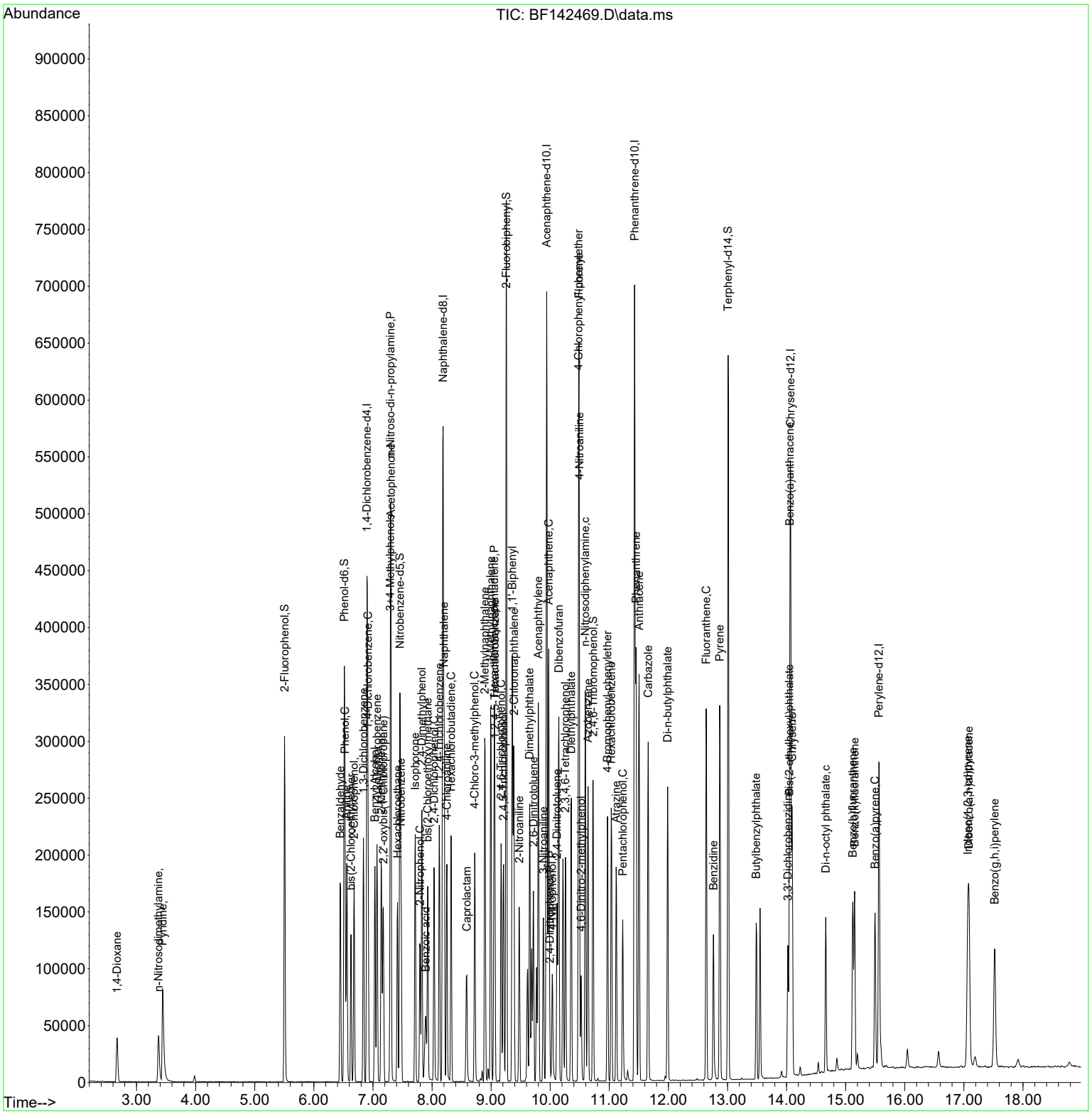
Quantitation Report (QT Reviewed)

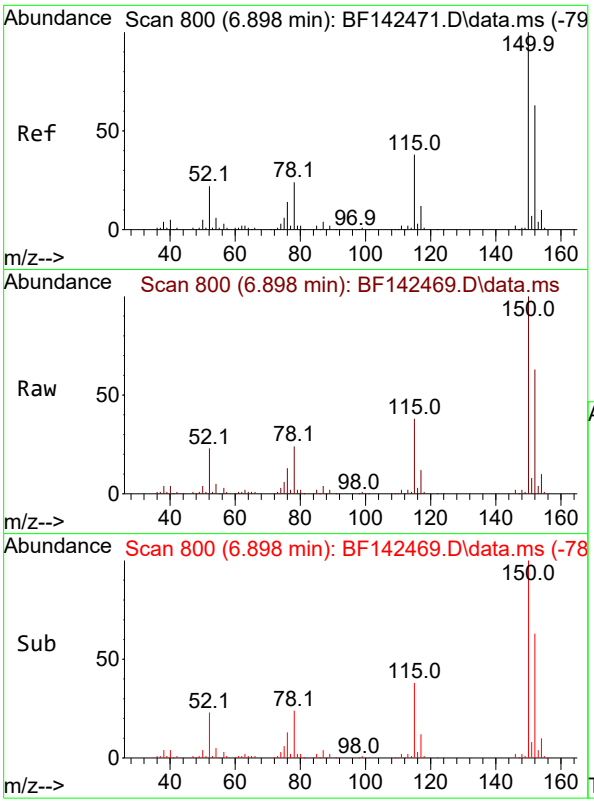
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142469.D
Acq On : 20 May 2025 13:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 20 16:55:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



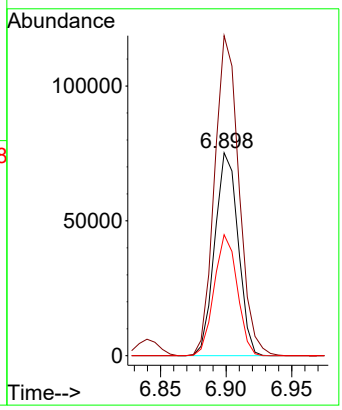


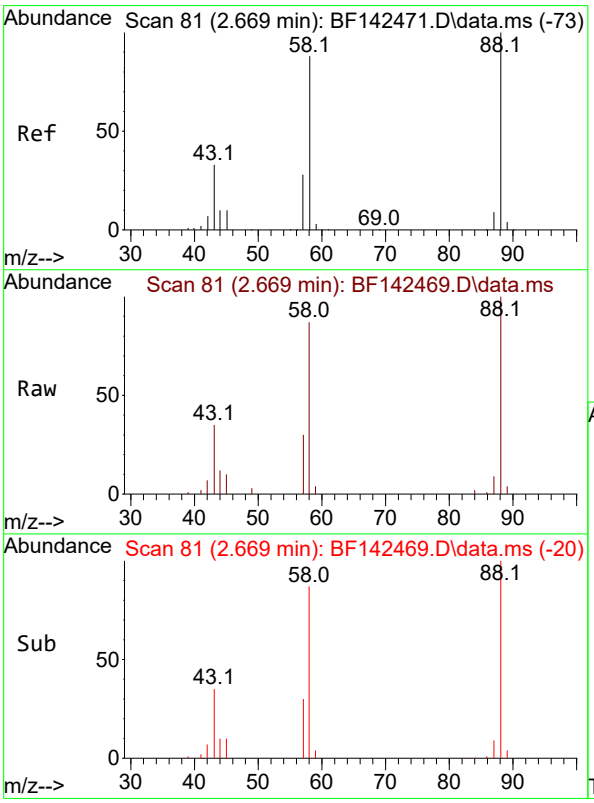
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 93167

Ion	Ratio	Lower	Upper
152	100		
150	157.7	128.2	192.4
115	59.6	48.3	72.5

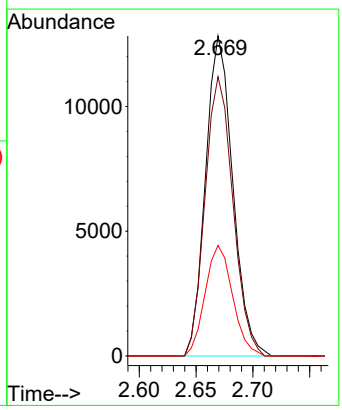


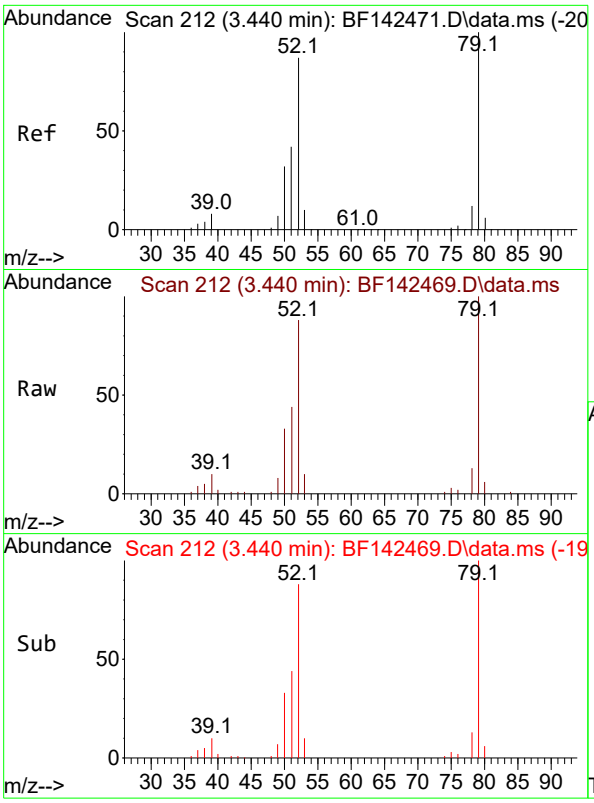


#2
1,4-Dioxane
Concen: 9.676 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 88 Resp: 21412

Ion	Ratio	Lower	Upper
88	100		
58	89.3	70.8	106.2
43	34.8	26.6	40.0



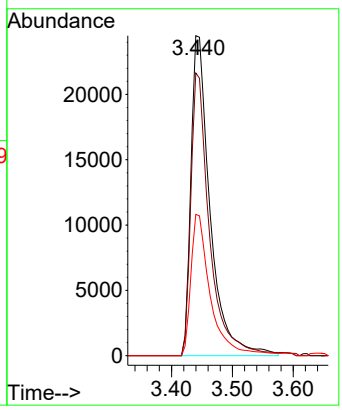


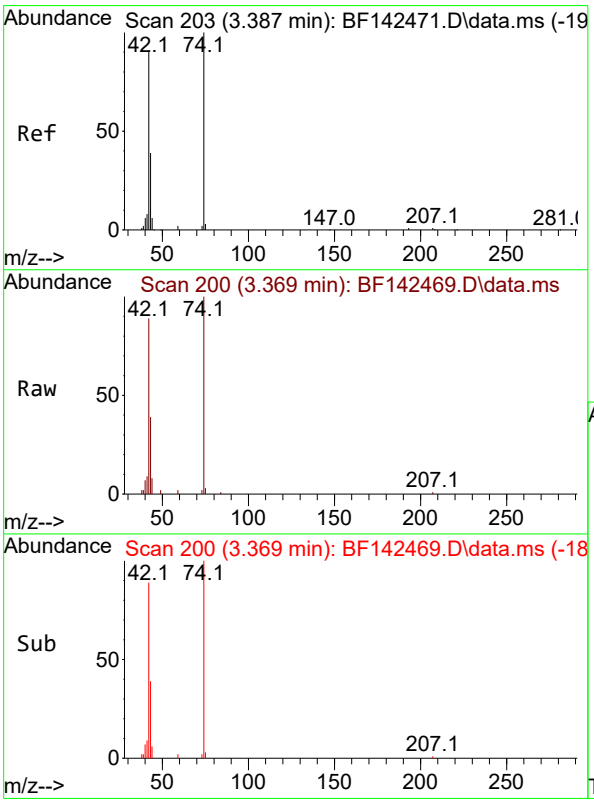
#3
Pyridine
Concen: 9.509 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 53586

Ion	Ratio	Lower	Upper
79	100		
52	88.4	69.2	103.8
51	44.2	33.3	49.9

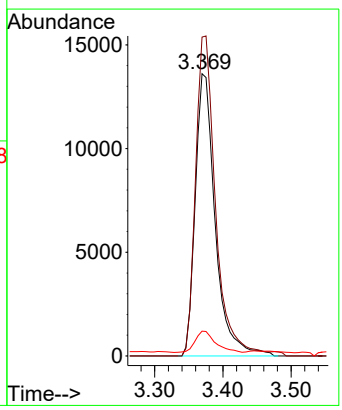


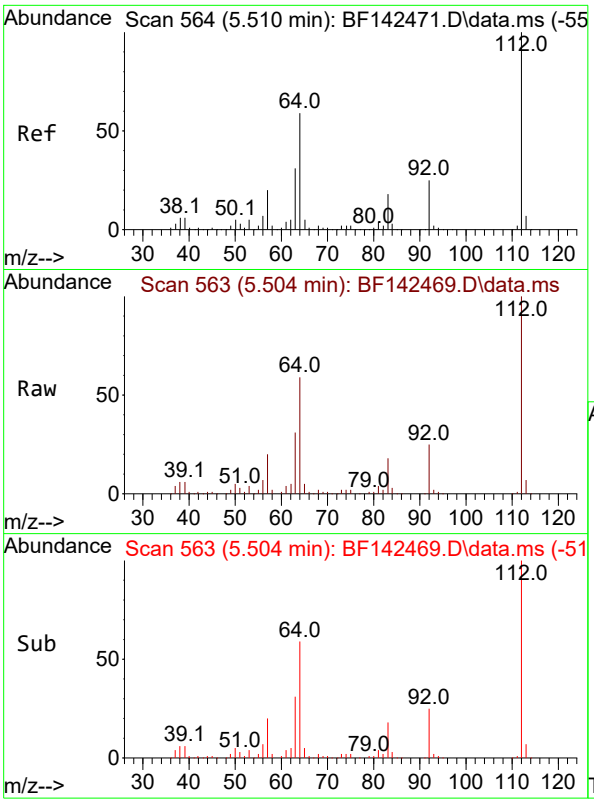


#4
n-Nitrosodimethylamine
Concen: 9.441 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.035 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 42 Resp: 27624

Ion	Ratio	Lower	Upper
42	100		
74	113.0	88.2	132.4
44	8.8	5.4	8.2#



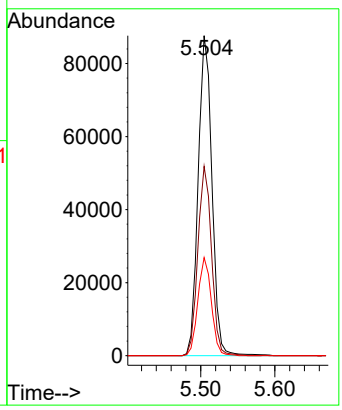


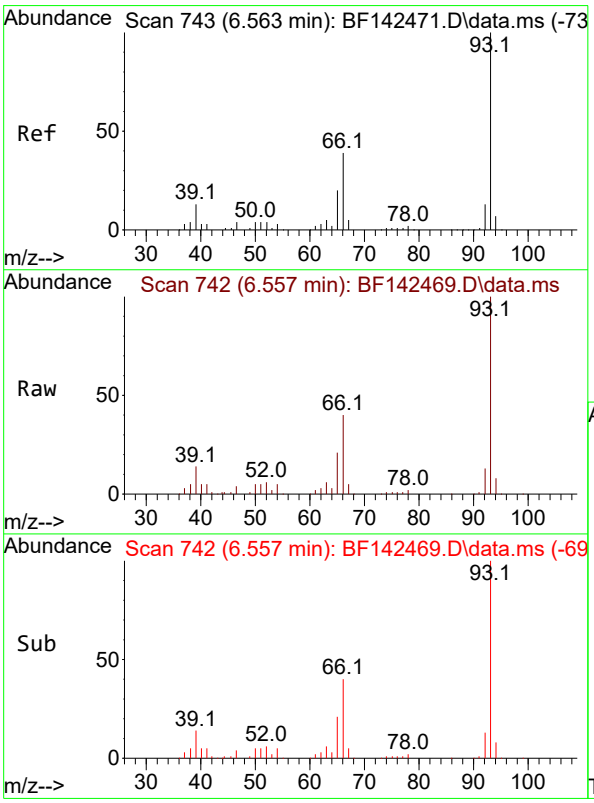
#5
2-Fluorophenol
Concen: 20.452 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 113098

Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.5	71.3
63	30.7	24.9	37.3

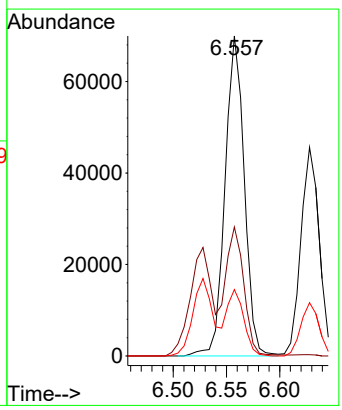


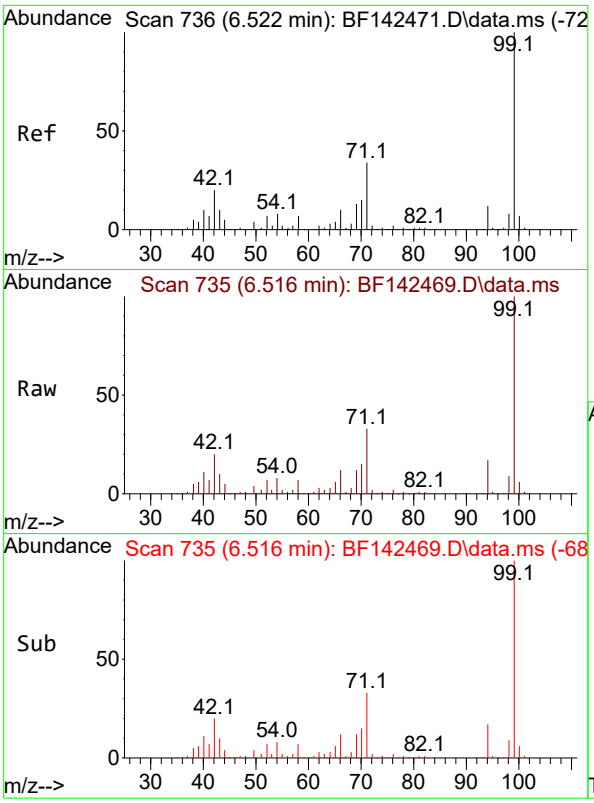


#6
Aniline
Concen: 9.831 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 93 Resp: 87993

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.0	48.0
65	20.8	16.1	24.1



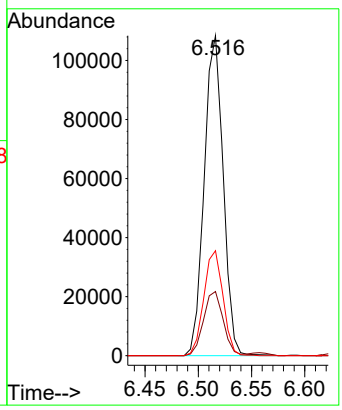


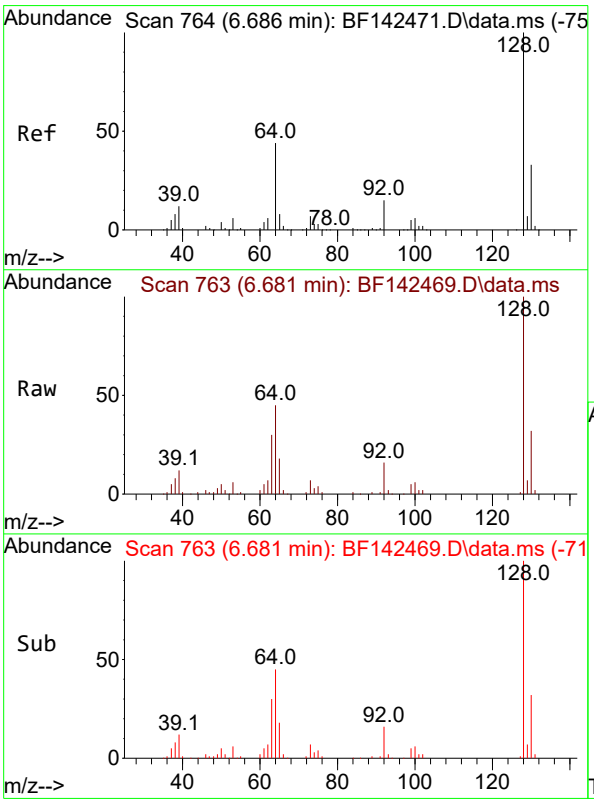
#7
Phenol-d6
Concen: 20.273 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 134953

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.2	24.2
71	32.8	27.3	40.9

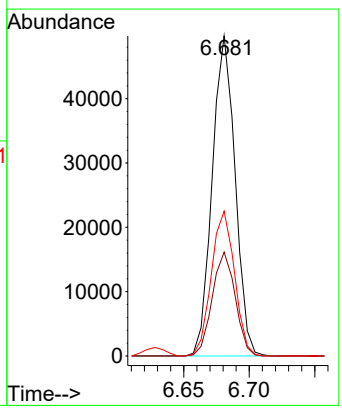


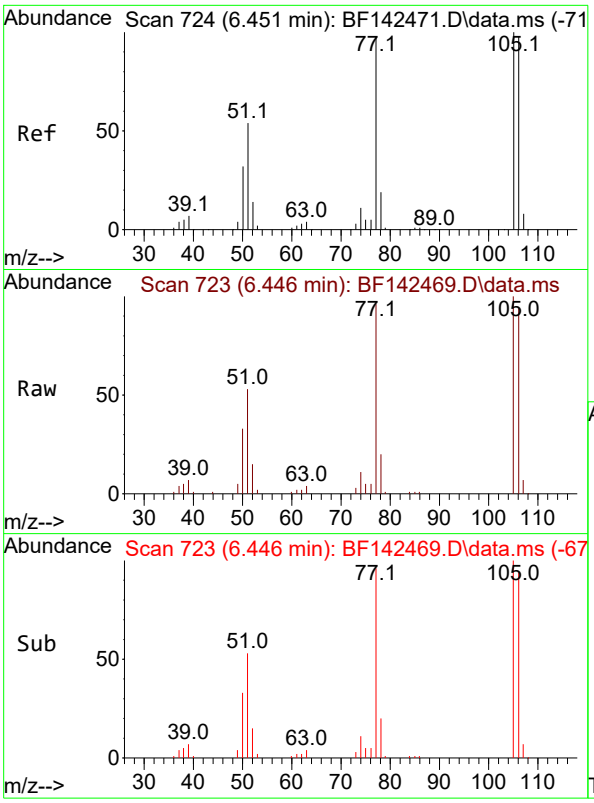


#8
2-Chlorophenol
Concen: 9.997 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:128 Resp: 60216

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	45.3	25.1	65.1



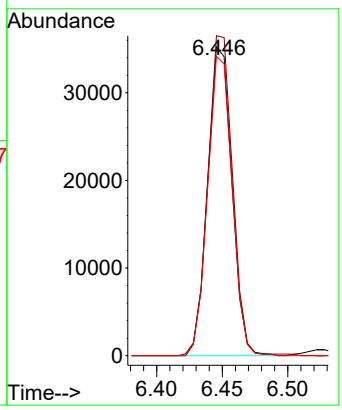


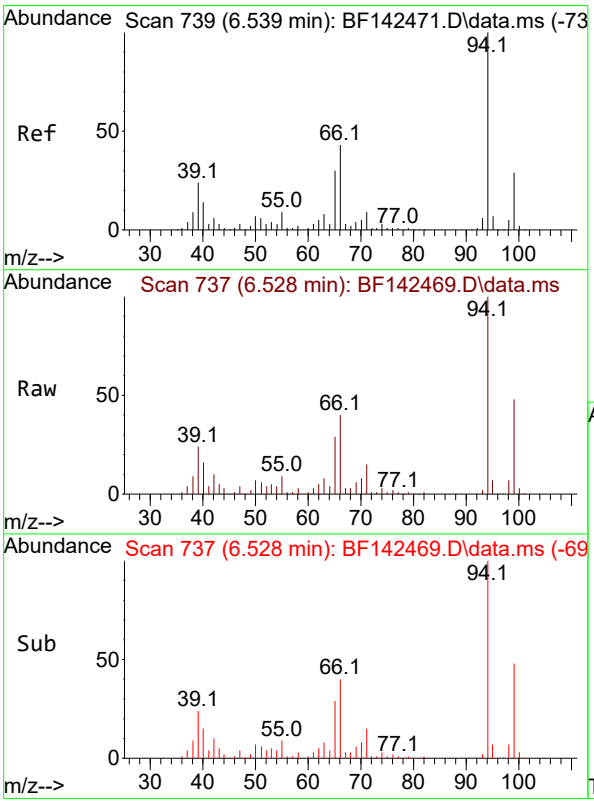
#9
Benzaldehyde
Concen: 11.347 ng
RT: 6.446 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 45431

Ion	Ratio	Lower	Upper
77	100		
105	103.6	82.5	122.5
106	97.0	80.0	120.0

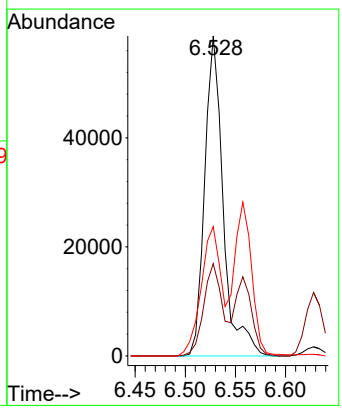


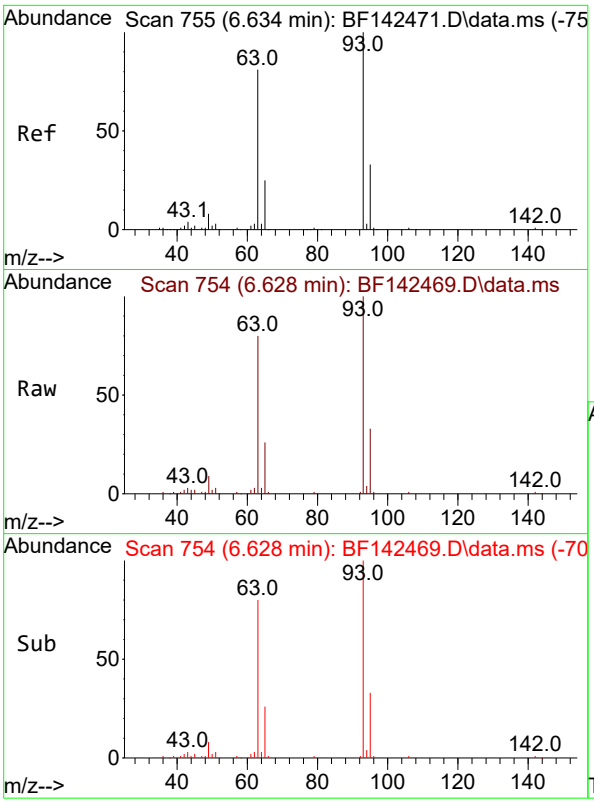


#10
Phenol
Concen: 10.083 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 94 Resp: 75527

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.3	50.3
66	40.4	22.6	62.6



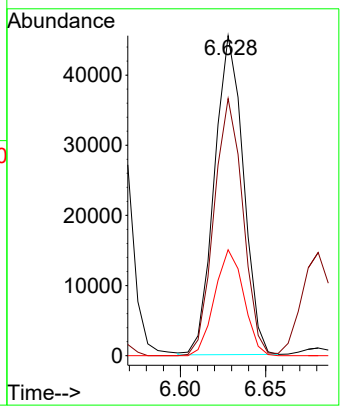


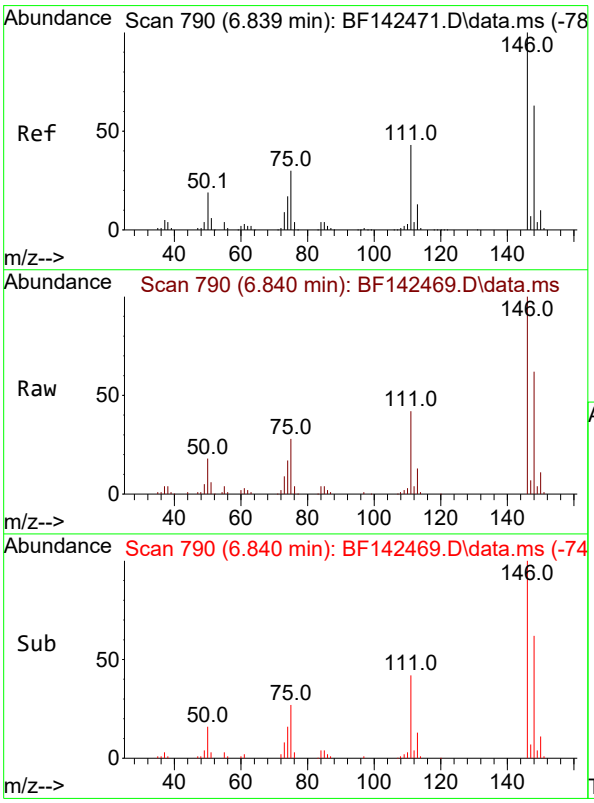
#11
bis(2-Chloroethyl)ether
Concen: 9.978 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 53797

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.2	100.2
95	33.1	12.3	52.3

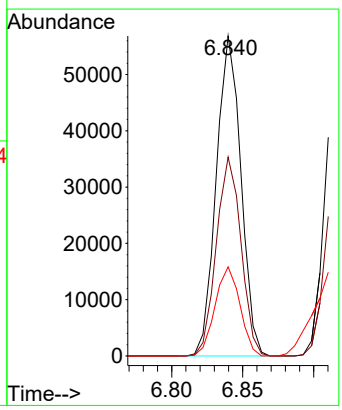


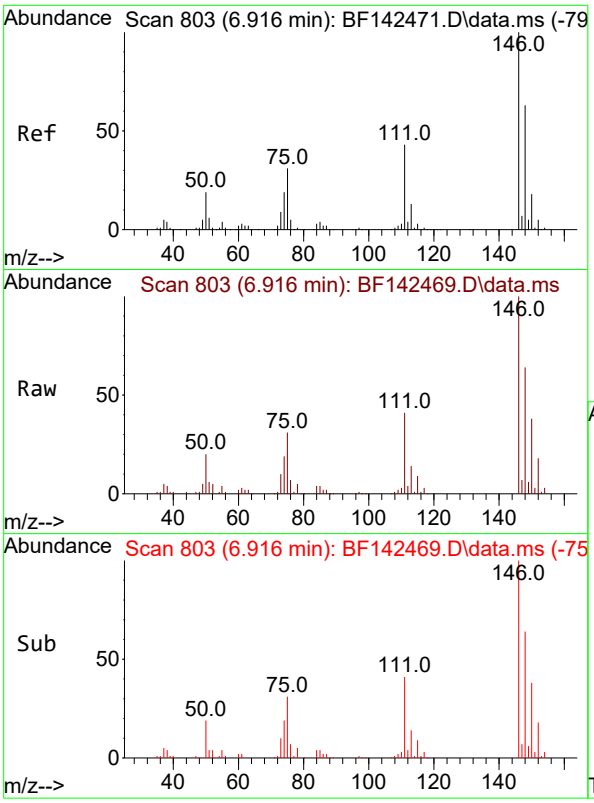


#12
1,3-Dichlorobenzene
Concen: 10.189 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:146 Resp: 68483

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	75.8
75	27.9	23.8	35.6



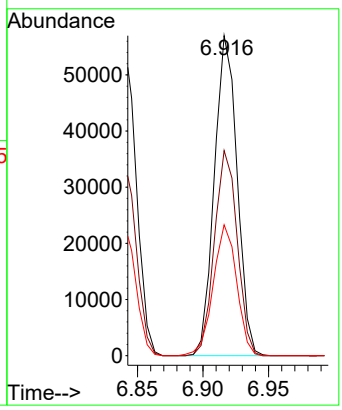


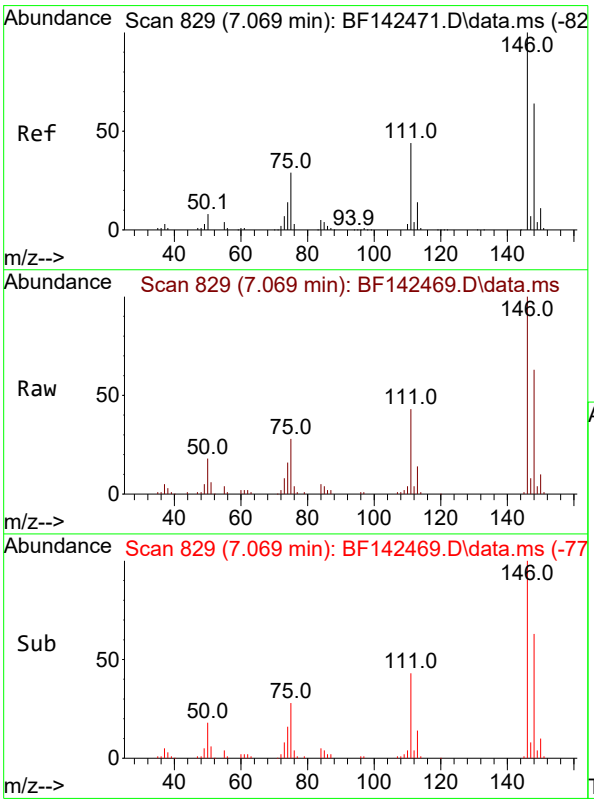
#13
1,4-Dichlorobenzene
Concen: 10.158 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 68774

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	40.9	34.1	51.1

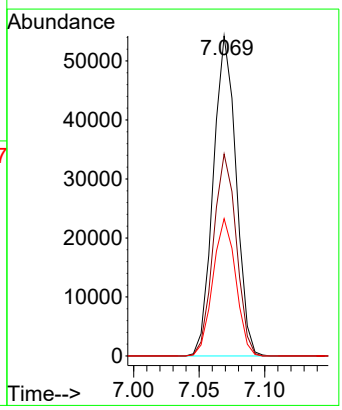


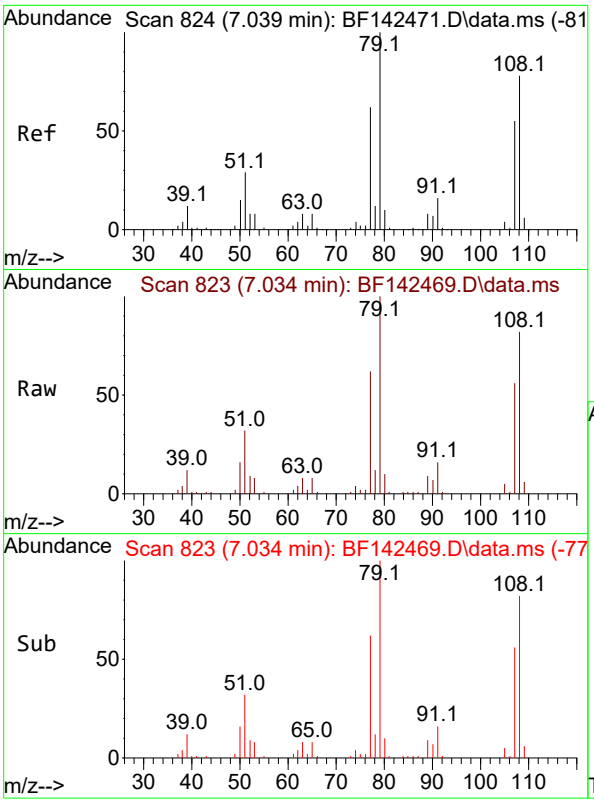


#14
1,2-Dichlorobenzene
Concen: 10.102 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:146 Resp: 65441

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
111	42.9	35.0	52.6



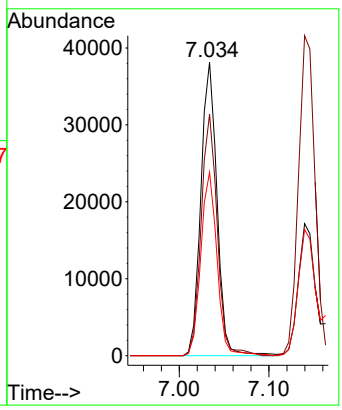


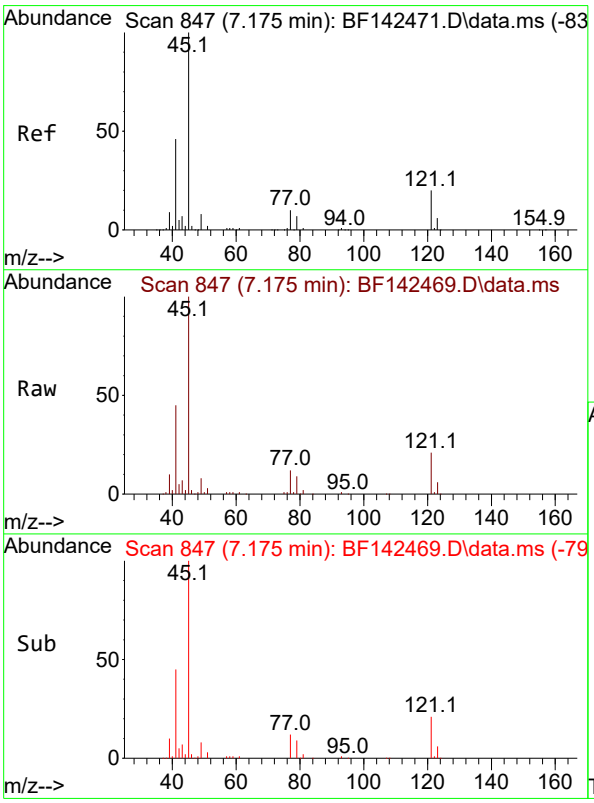
#15
Benzyl Alcohol
Concen: 9.699 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 47712

Ion	Ratio	Lower	Upper
79	100		
108	82.2	62.1	93.1
77	62.4	49.5	74.3

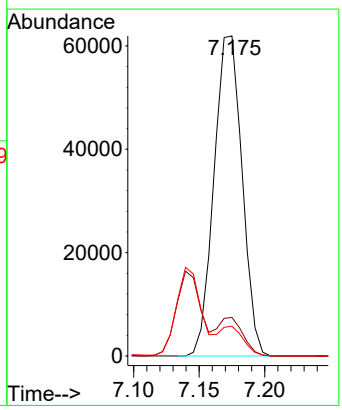


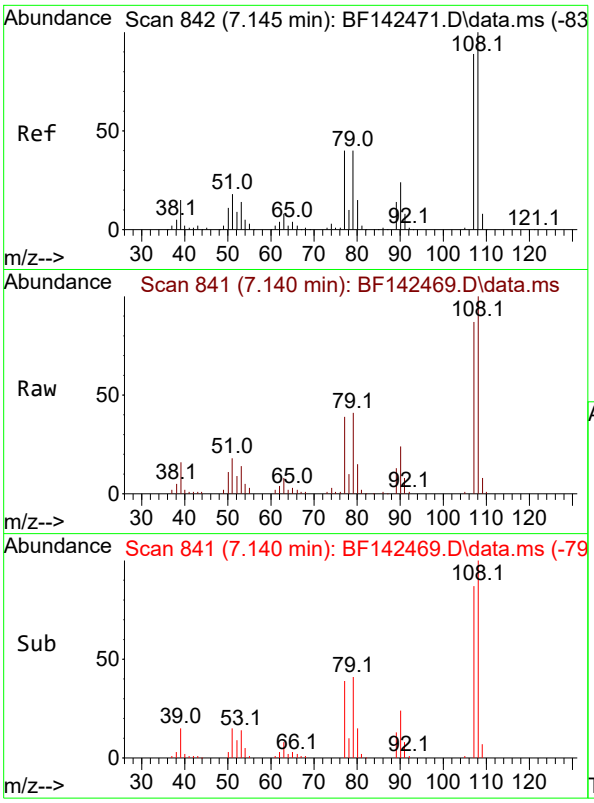


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.175 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 45 Resp: 92128

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	32.0
79	9.3	0.0	29.2



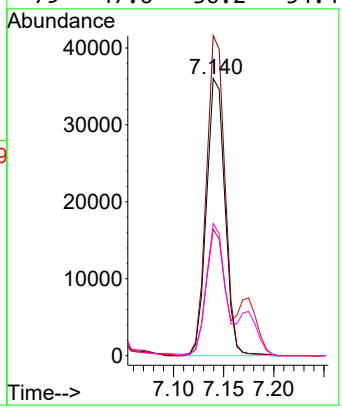


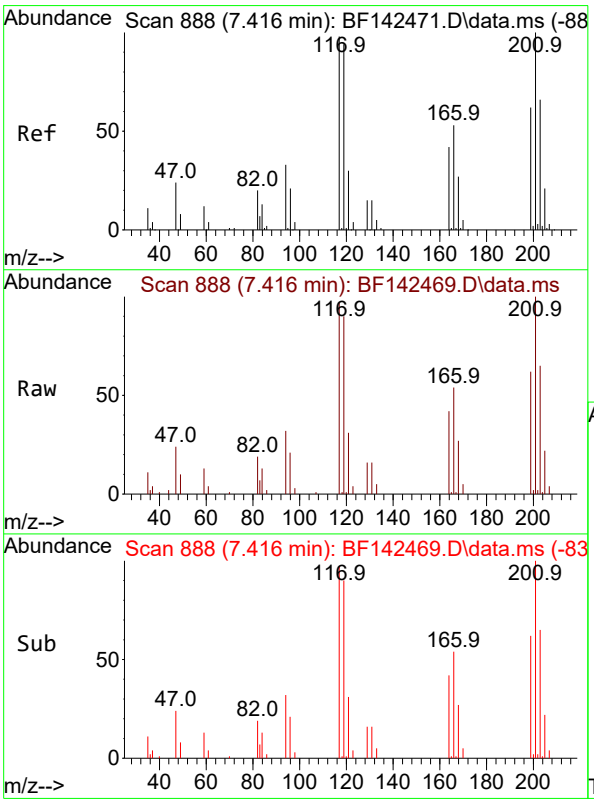
#17
2-Methylphenol
Concen: 9.825 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 46205

Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.2	135.2
77	45.6	36.1	54.1
79	47.6	36.2	54.4

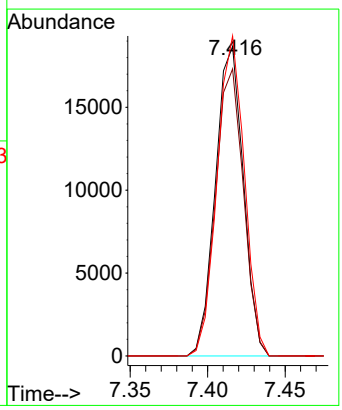


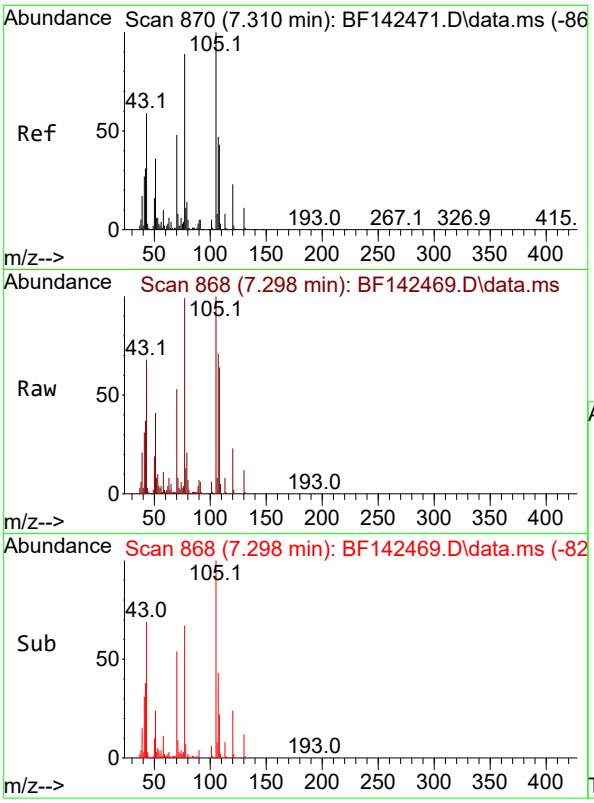


#18
Hexachloroethane
Concen: 9.909 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:117 Resp: 23425

Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.6	114.8
201	103.3	81.3	121.9



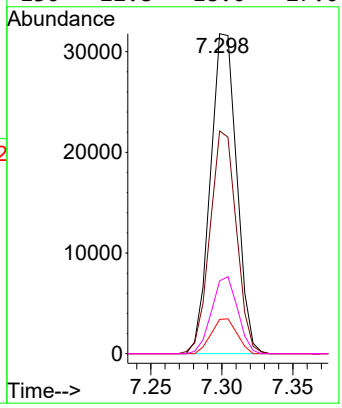


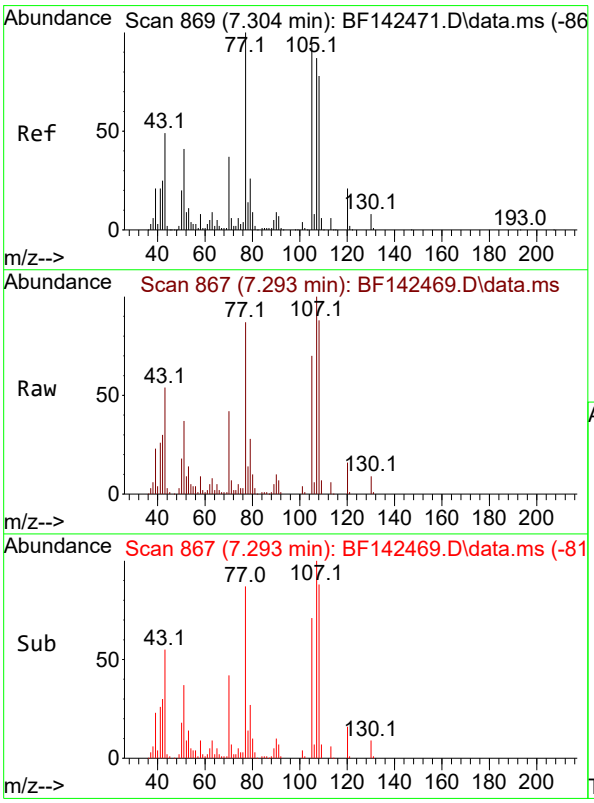
#19
n-Nitroso-di-n-propylamine
Concen: 9.937 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 40995

Ion	Ratio	Lower	Upper
70	100		
42	69.6	52.4	78.6
101	10.7	7.8	11.8
130	22.8	18.0	27.0

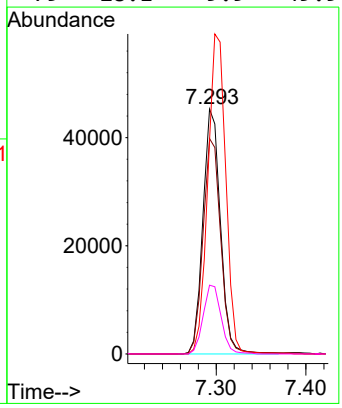


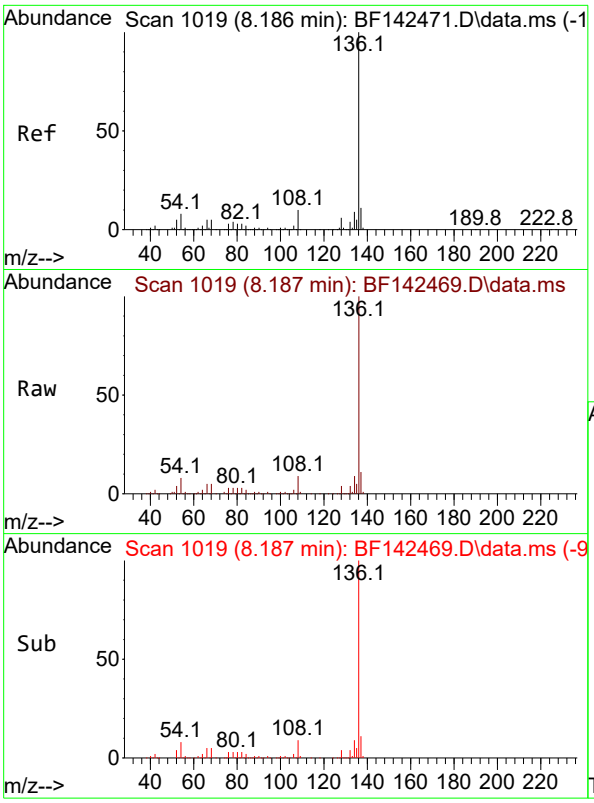


#20
3+4-Methylphenols
Concen: 10.203 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:107 Resp: 61444

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.4	110.4
77	87.2	95.4	135.4#
79	28.1	9.9	49.9



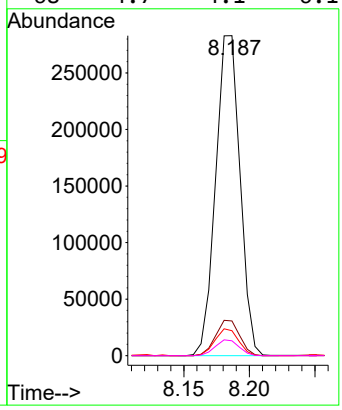


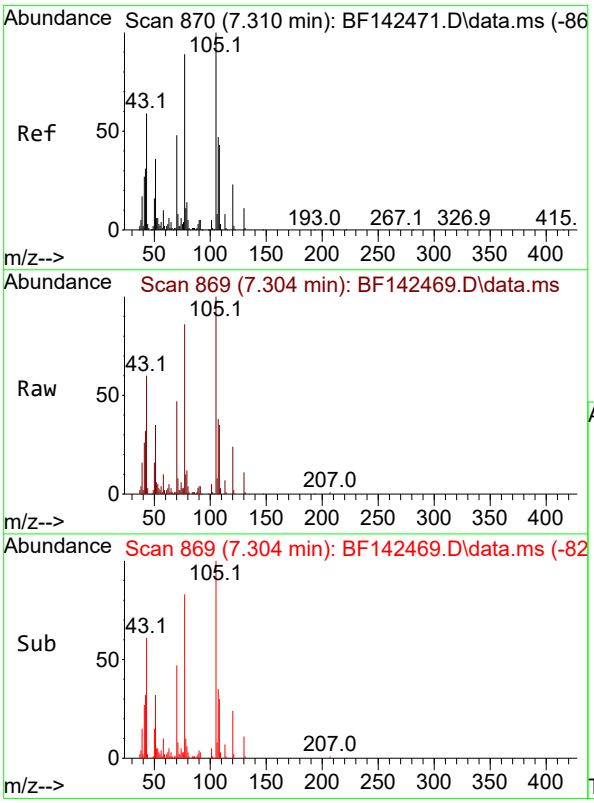
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 365488

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.8	6.6	10.0
68	4.7	4.1	6.1

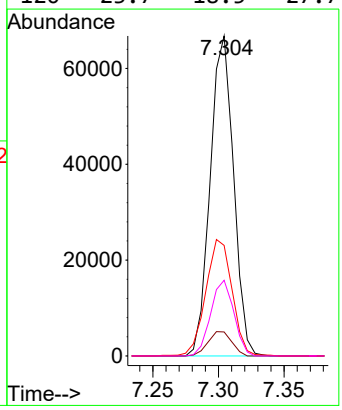


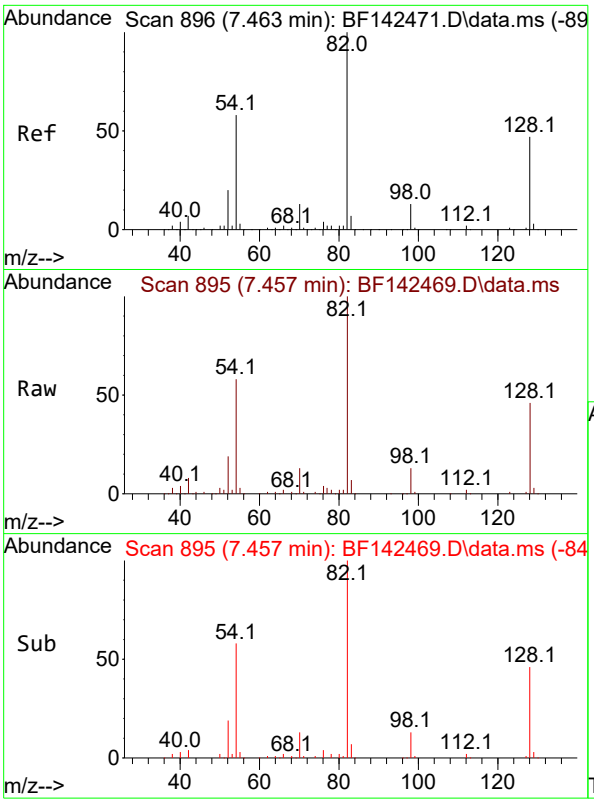


#22
Acetophenone
Concen: 10.234 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:105 Resp: 82804

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.4	9.6
51	34.5	28.6	42.8
120	23.7	18.5	27.7



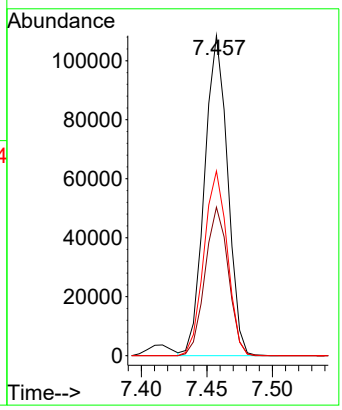


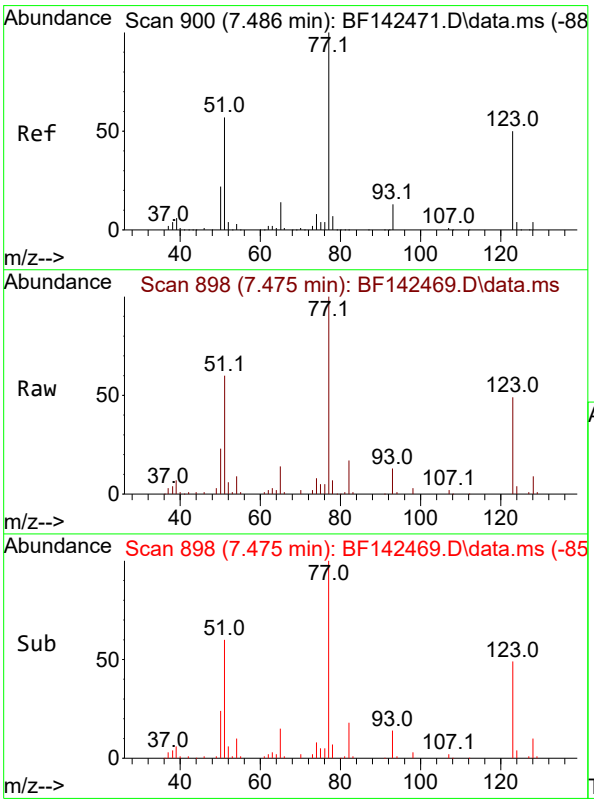
#23
Nitrobenzene-d5
Concen: 19.881 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 133256

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.2
54	57.7	46.6	70.0

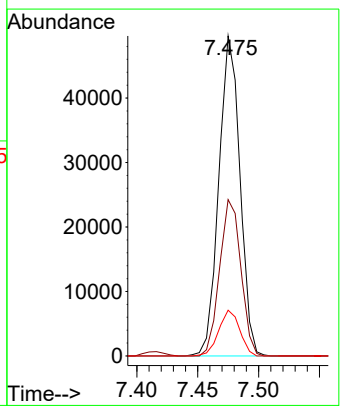


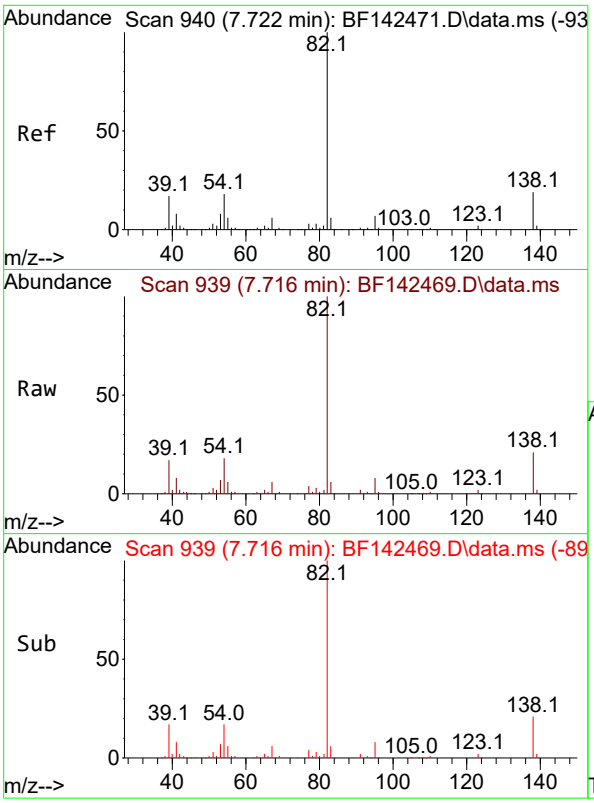


#24
Nitrobenzene
Concen: 9.904 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 77 Resp: 59873

Ion	Ratio	Lower	Upper
77	100		
123	48.8	40.6	61.0
65	14.3	11.4	17.2



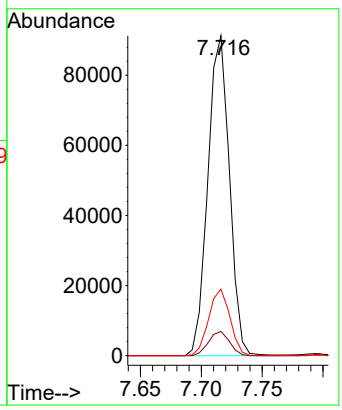


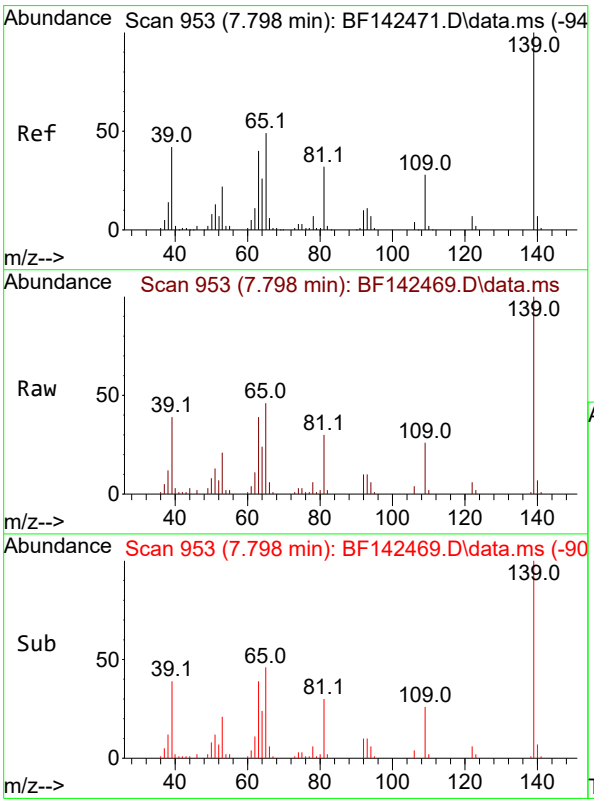
#25
Isophorone
Concen: 10.027 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 112365

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	20.8	15.5	23.3

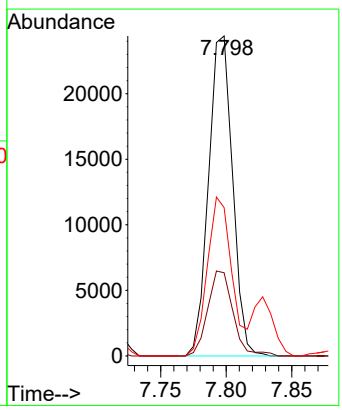


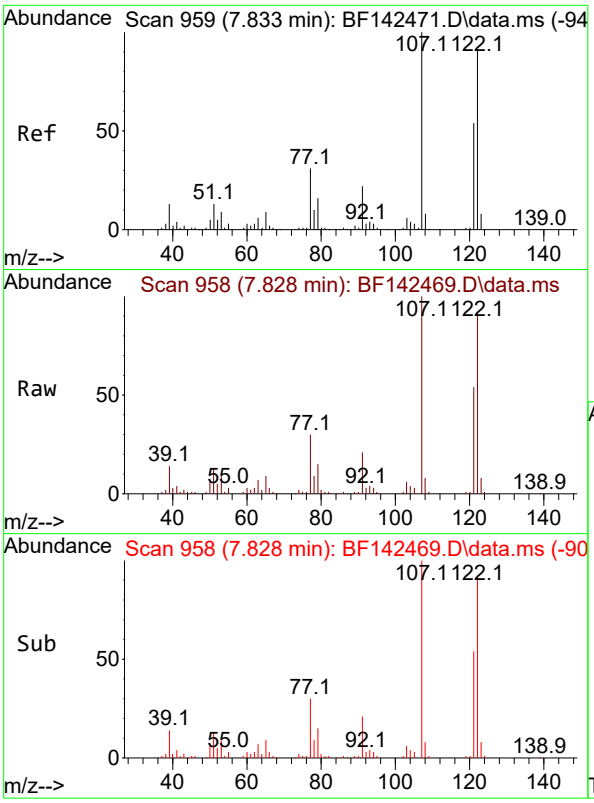


#26
2-Nitrophenol
Concen: 9.623 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:139 Resp: 31085

Ion	Ratio	Lower	Upper
139	100		
109	26.0	22.6	33.8
65	46.4	39.4	59.0



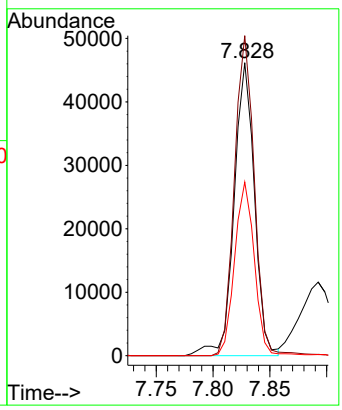


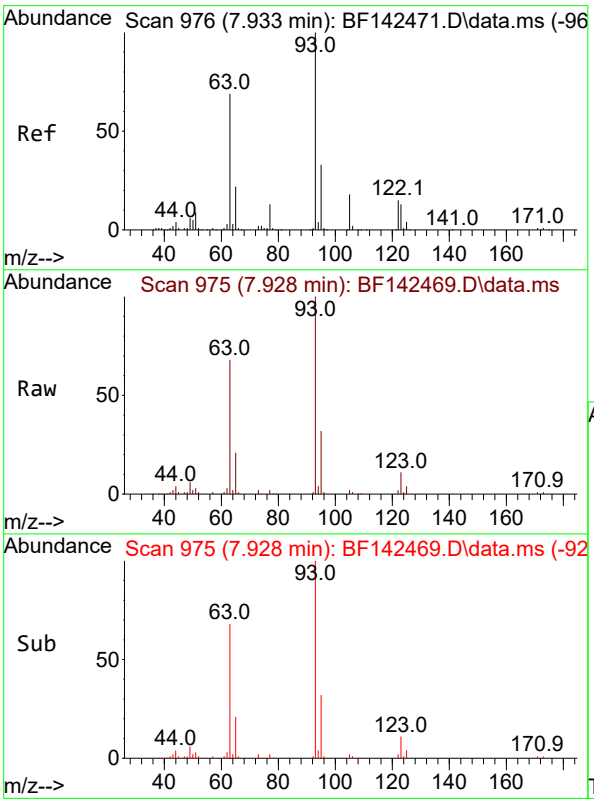
#27
2,4-Dimethylphenol
Concen: 10.102 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 57543

Ion	Ratio	Lower	Upper
122	100		
107	109.2	88.1	132.1
121	59.3	47.3	70.9

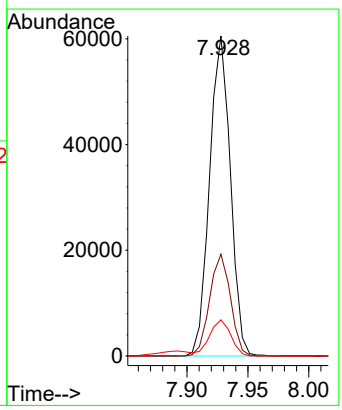


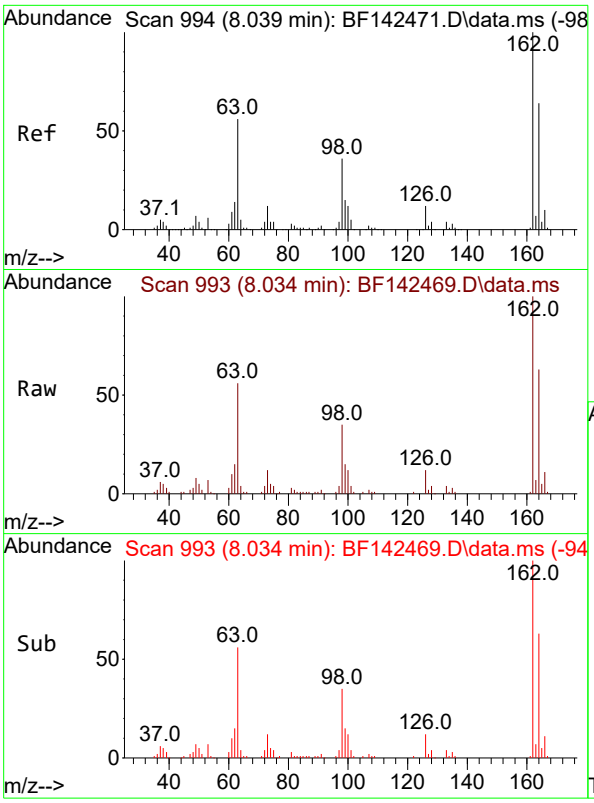


#28
bis(2-Chloroethoxy)methane
Concen: 10.277 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 93 Resp: 71943

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.4	39.6
123	11.3	10.6	15.8



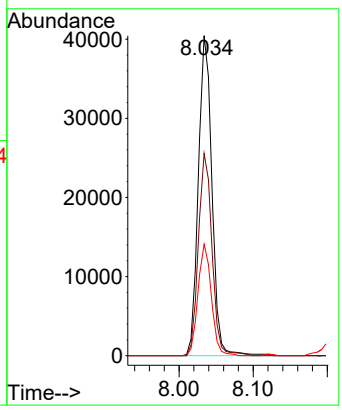


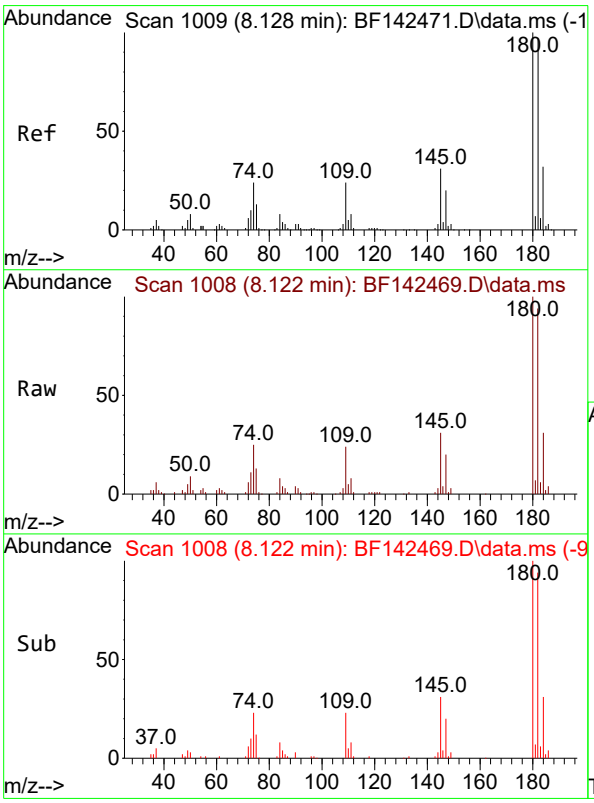
#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 51500

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.7	83.7
98	34.8	15.5	55.5

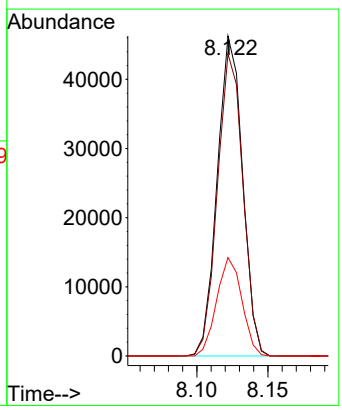


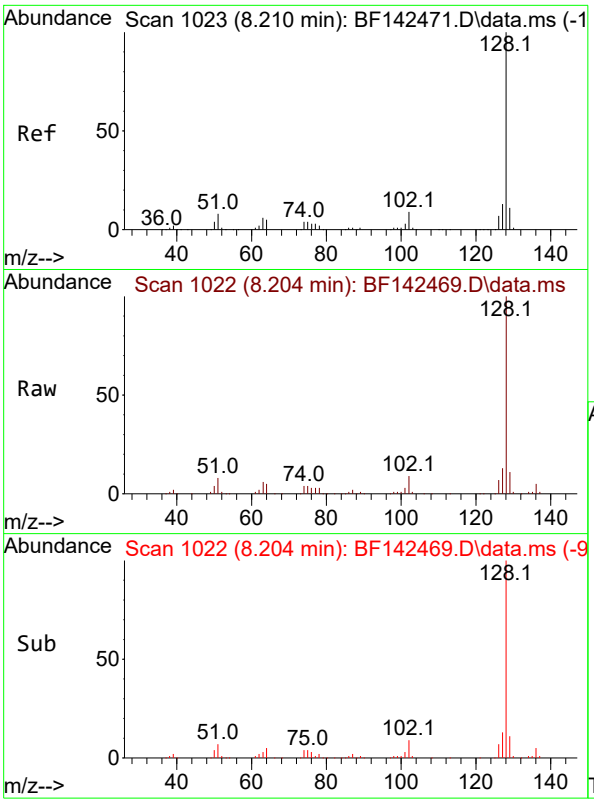


#30
1,2,4-Trichlorobenzene
Concen: 10.179 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:180 Resp: 57228

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.0	117.0
145	30.8	25.0	37.6



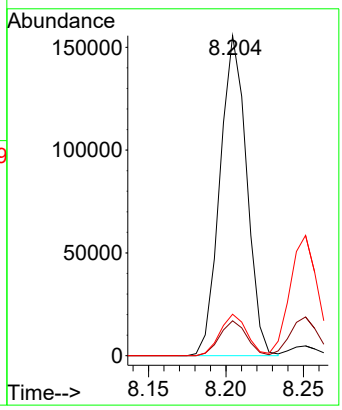


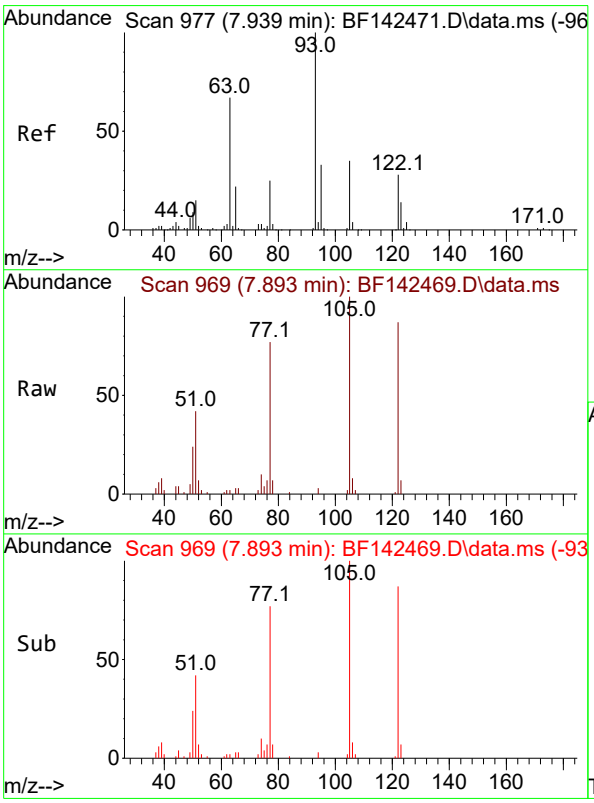
#31
Naphthalene
Concen: 10.364 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 186515

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.5	15.7

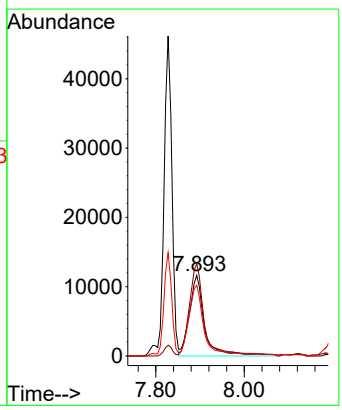


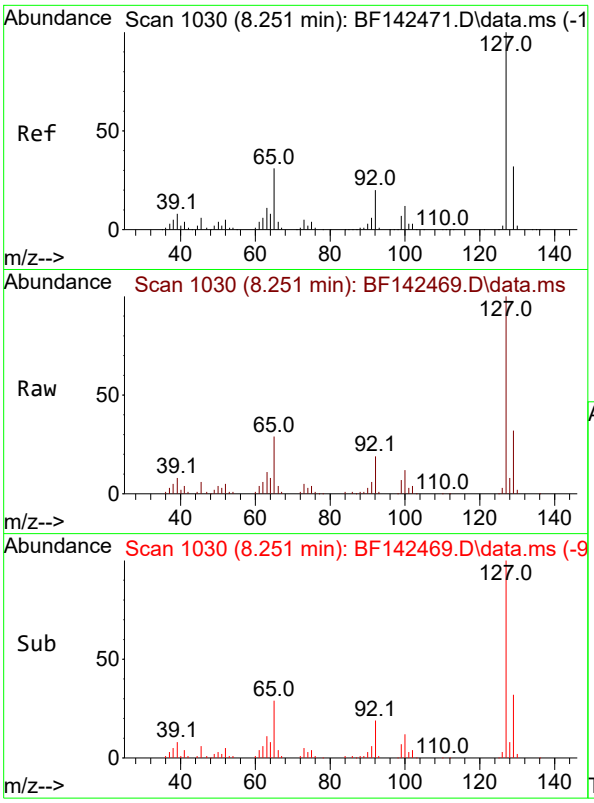


#32
Benzoic acid
Concen: 8.062 ng m
RT: 7.893 min Scan# 969
Delta R.T. -0.082 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:122 Resp: 27956

Ion	Ratio	Lower	Upper
122	100		
105	114.9	101.7	141.7
77	87.9	69.5	109.5



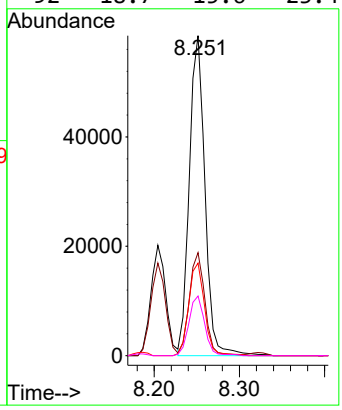


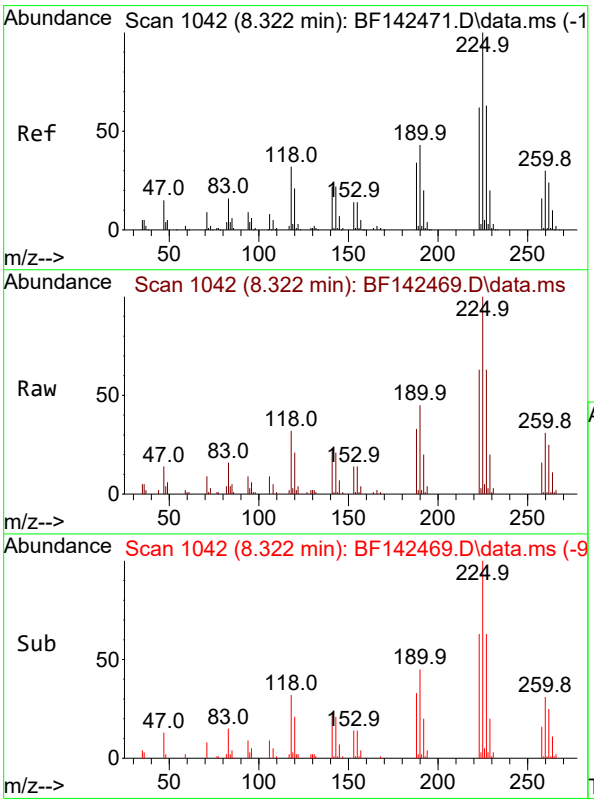
#33
4-Chloroaniline
Concen: 10.258 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 74805

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	29.0	24.9	37.3
92	18.7	15.6	23.4

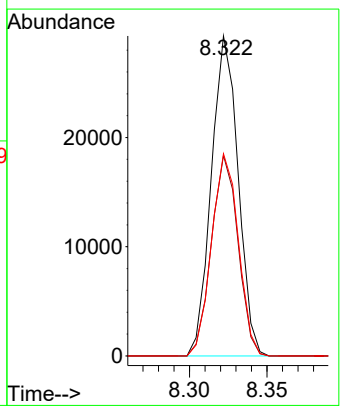


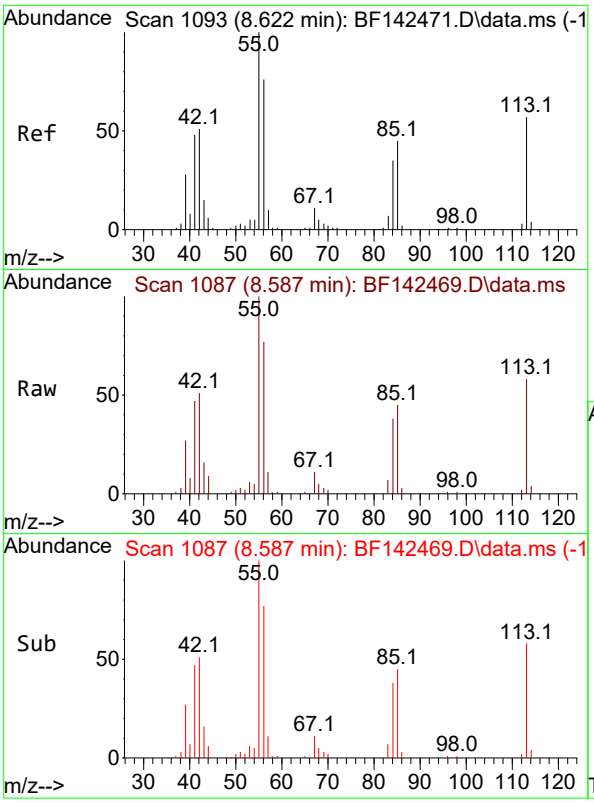


#34
Hexachlorobutadiene
Concen: 10.016 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:225 Resp: 35161

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.7	74.5
227	63.2	50.3	75.5



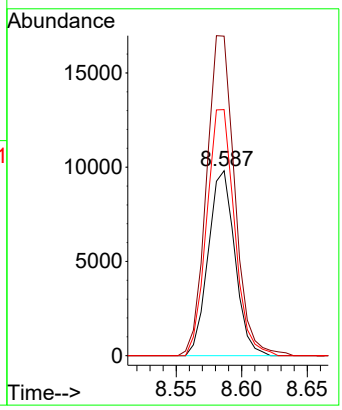


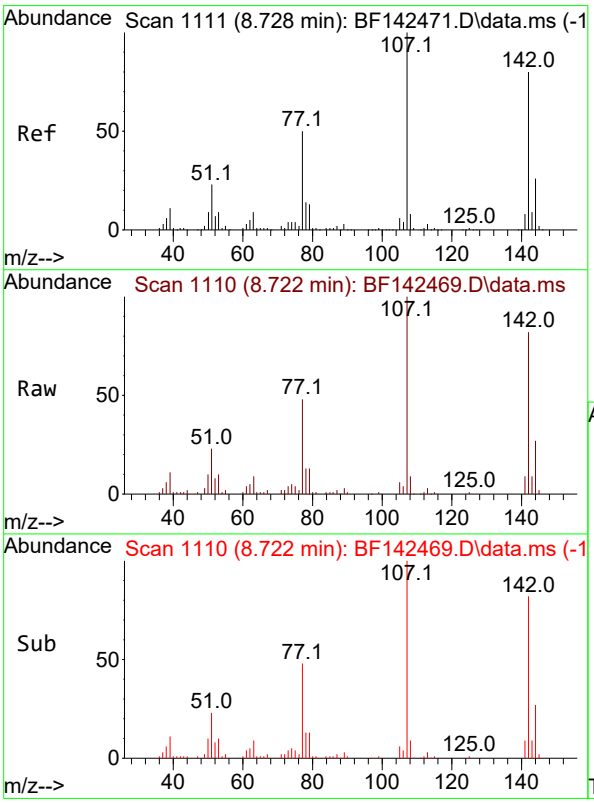
#35
Caprolactam
Concen: 9.527 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 13862

Ion	Ratio	Lower	Upper
113	100		
55	172.8	154.7	194.7
56	133.0	113.2	153.2

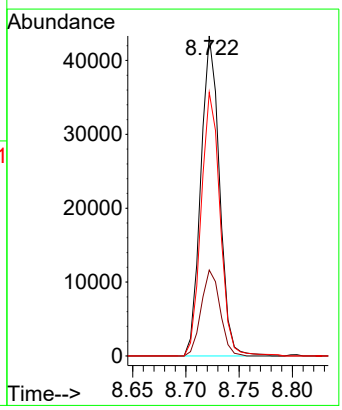


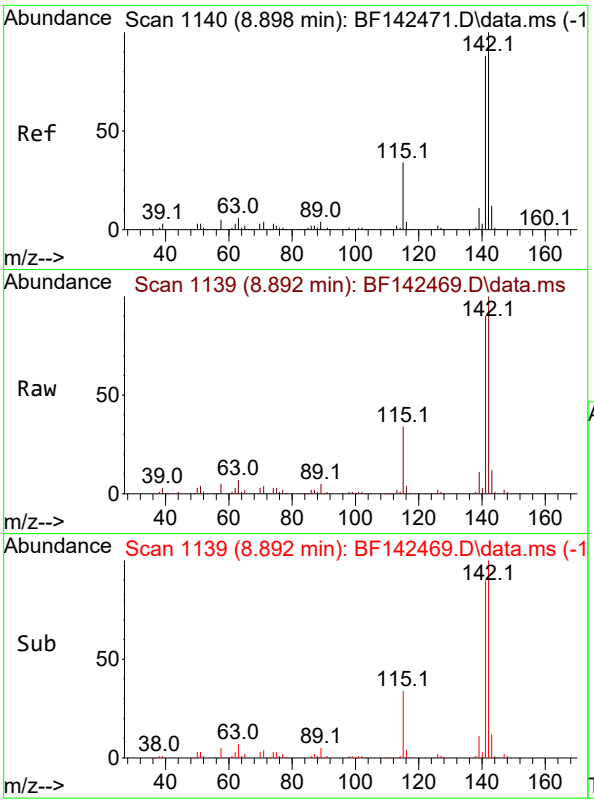


#36
4-Chloro-3-methylphenol
Concen: 9.968 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:107 Resp: 52919

Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.9	31.3
142	82.4	64.2	96.2



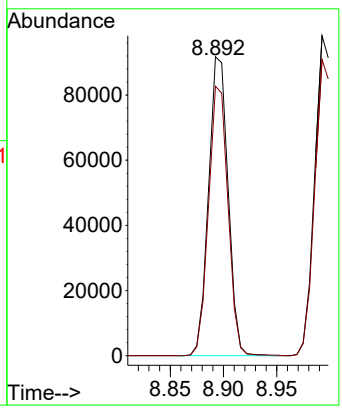


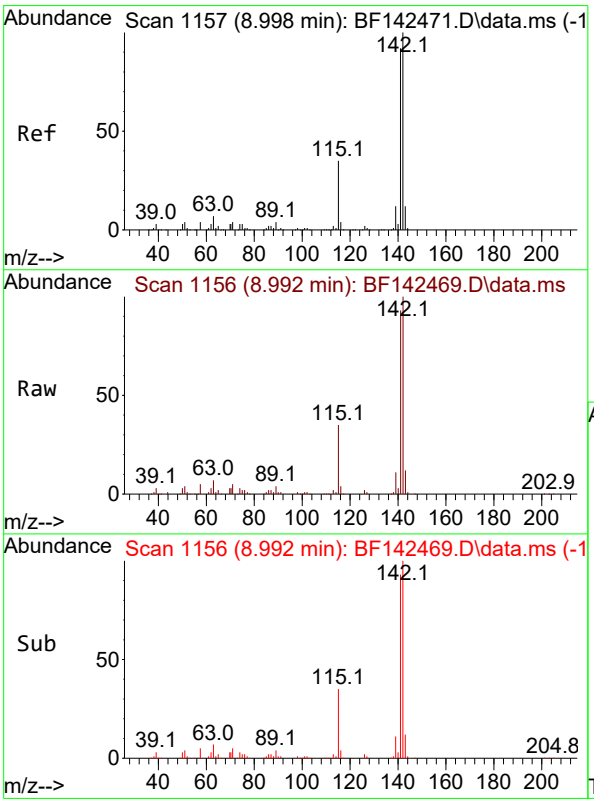
#37
2-Methylnaphthalene
Concen: 10.298 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 116592

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.7	106.1

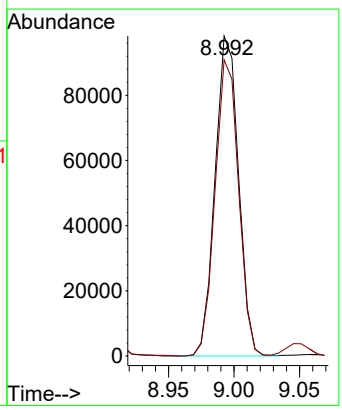


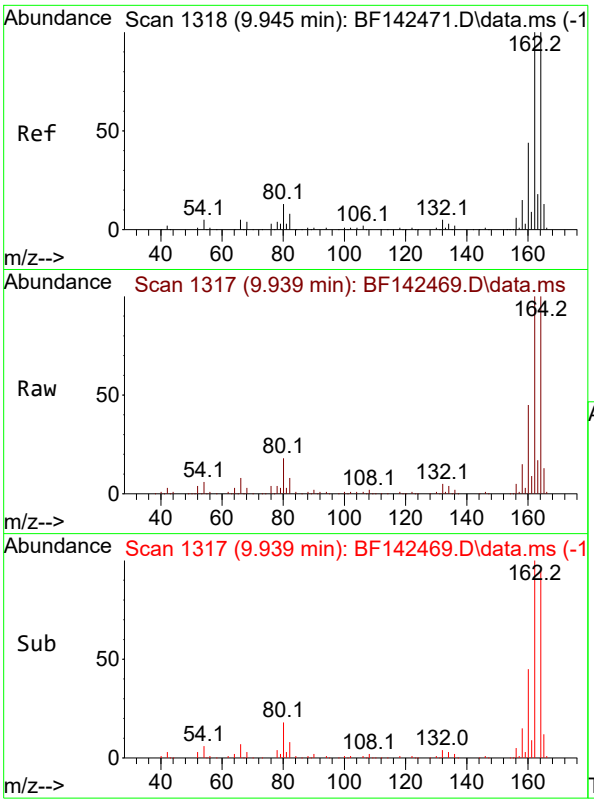


#38
1-Methylnaphthalene
Concen: 10.429 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:142 Resp: 122130

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.4	110.2



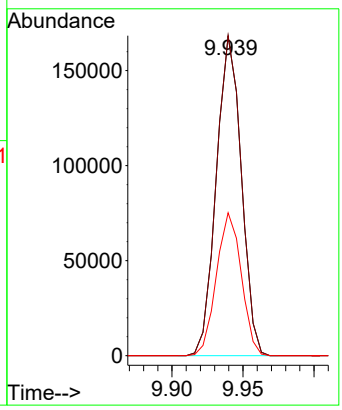


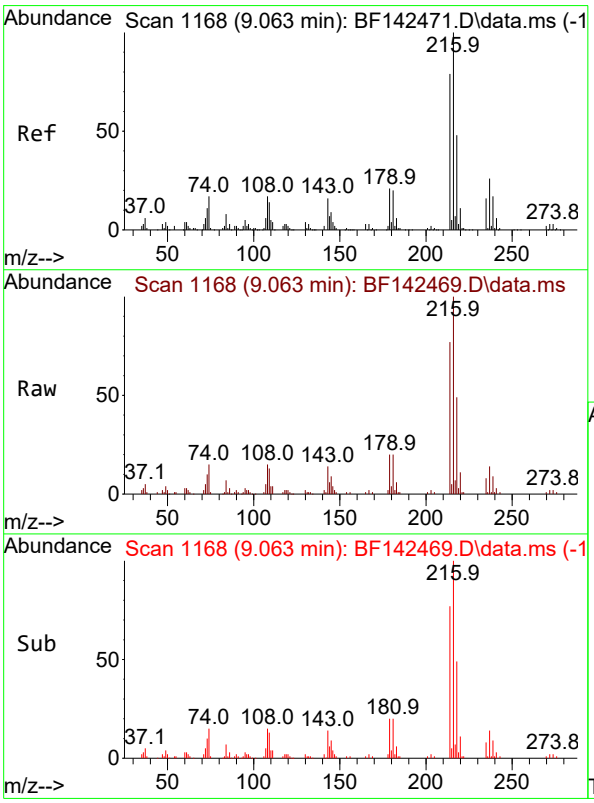
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 205654

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.4
160	44.7	35.6	53.4

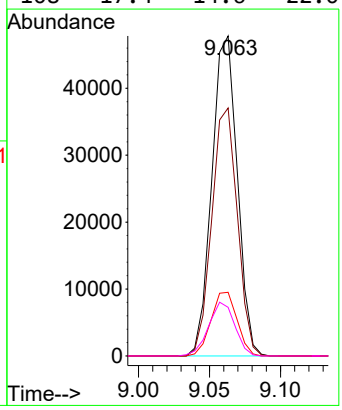


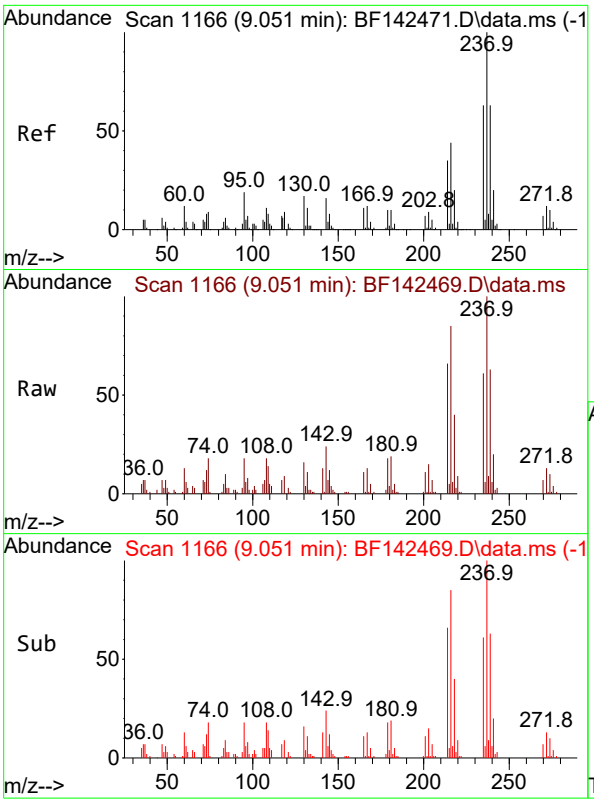


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.097 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:216 Resp: 59609

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.9	94.3
179	20.4	16.9	25.3
108	17.4	14.6	22.0



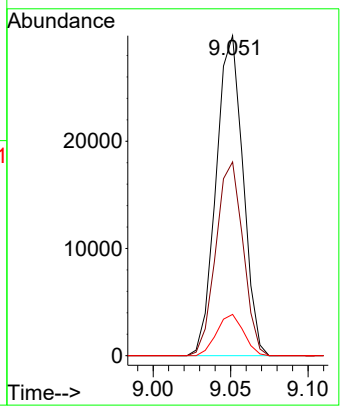


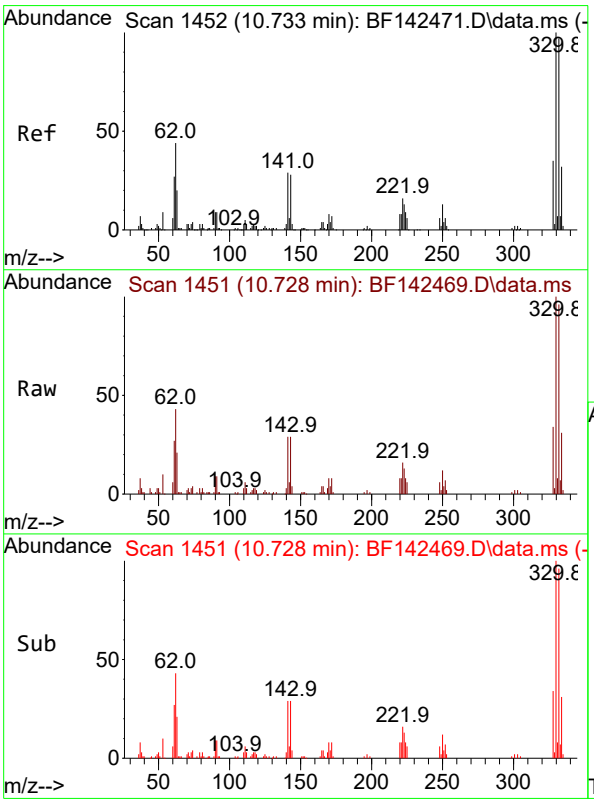
#41
Hexachlorocyclopentadiene
Concen: 9.044 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 36016

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.3	83.3
272	12.9	0.0	32.4

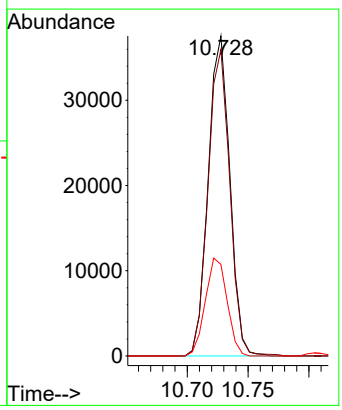


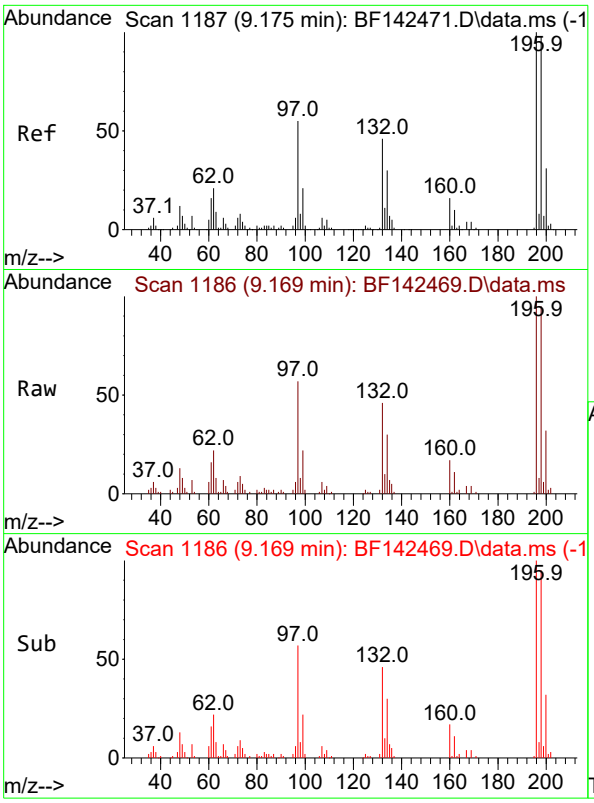


#42
2,4,6-Tribromophenol
Concen: 20.276 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:330 Resp: 46280

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	30.8	24.6	36.8



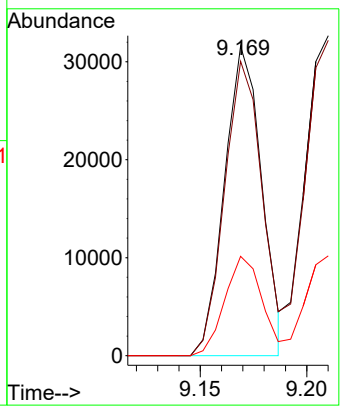


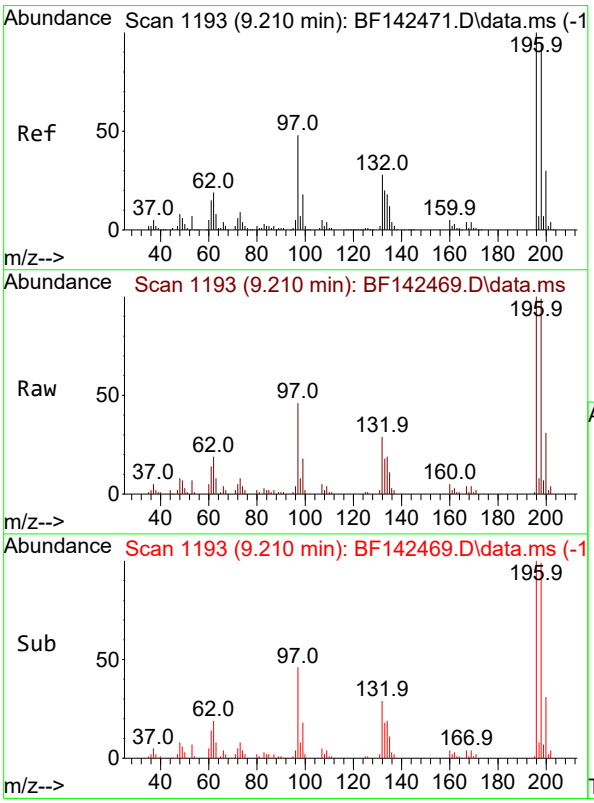
#43
2,4,6-Trichlorophenol
Concen: 9.635 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 38354

Ion	Ratio	Lower	Upper
196	100		
198	95.1	78.8	118.2
200	32.1	24.9	37.3

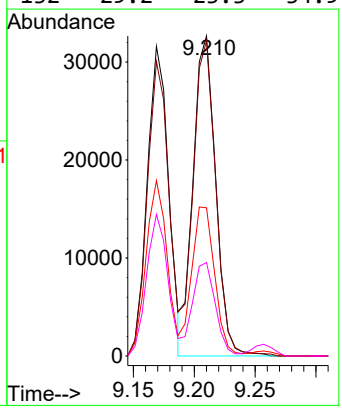


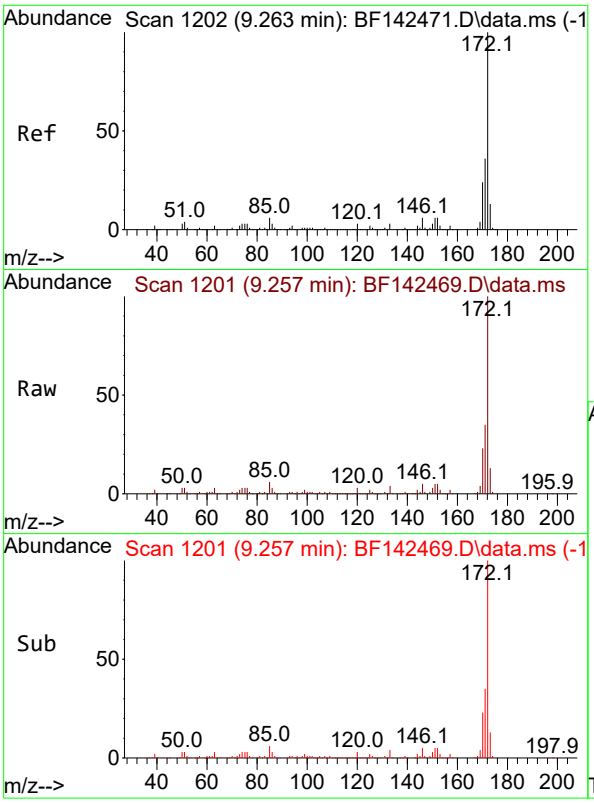


#44
2,4,5-Trichlorophenol
Concen: 10.069 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:196 Resp: 42272

Ion	Ratio	Lower	Upper
196	100		
198	98.5	75.5	113.3
97	46.3	39.3	58.9
132	29.2	23.3	34.9



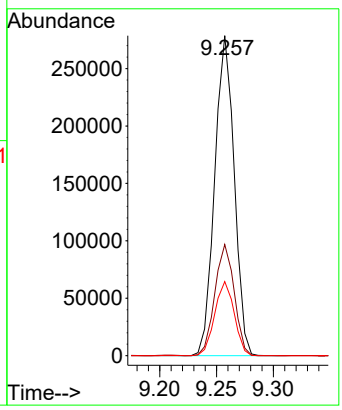


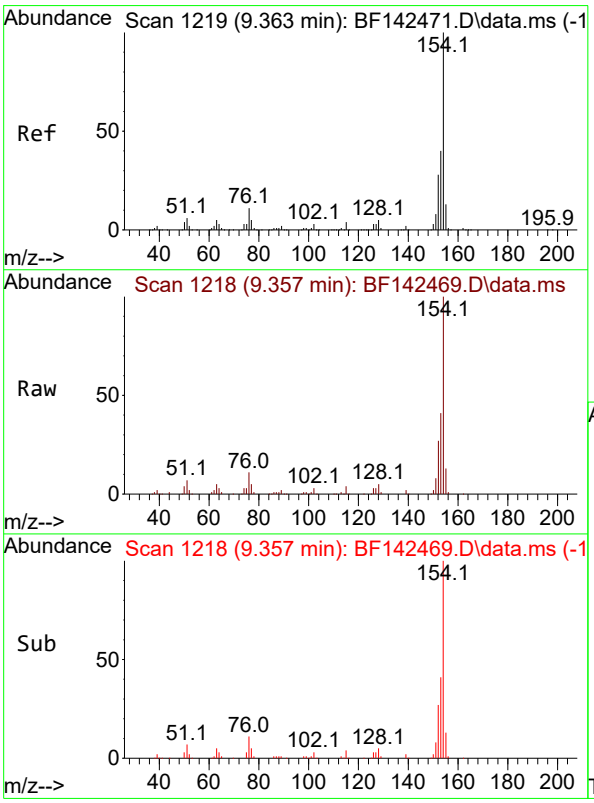
#45
2-Fluorobiphenyl
Concen: 21.719 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 332871

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.2	18.9	28.3

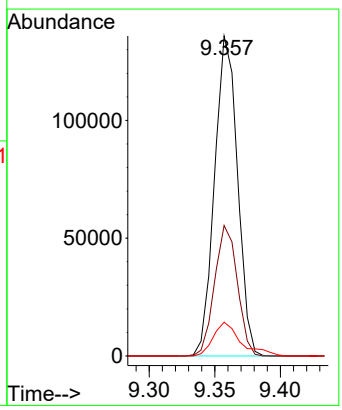


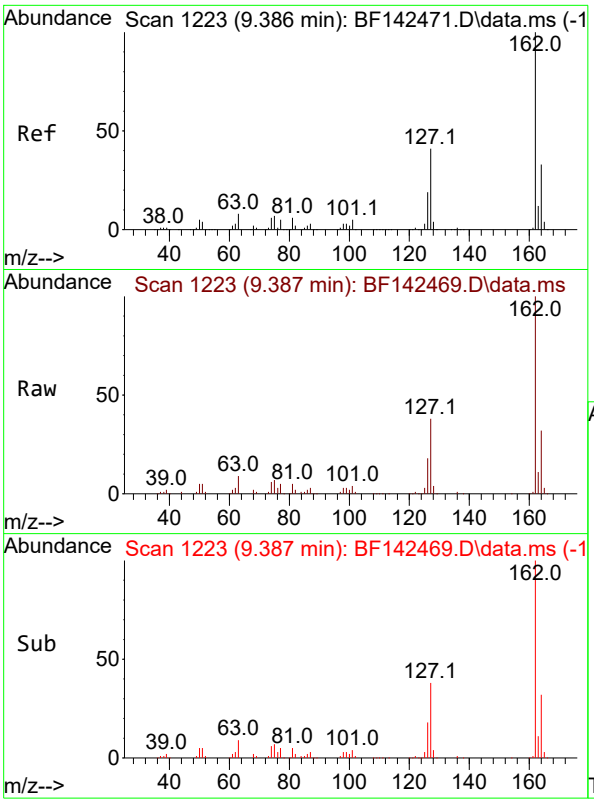


#46
1,1'-Biphenyl
Concen: 10.346 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:154 Resp: 165063

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	10.6	0.0	30.8



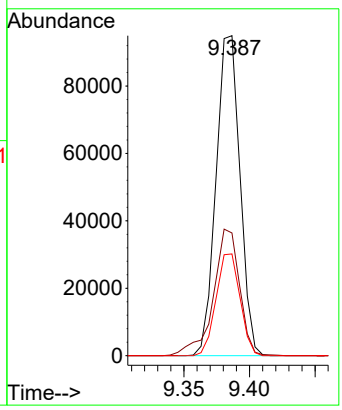


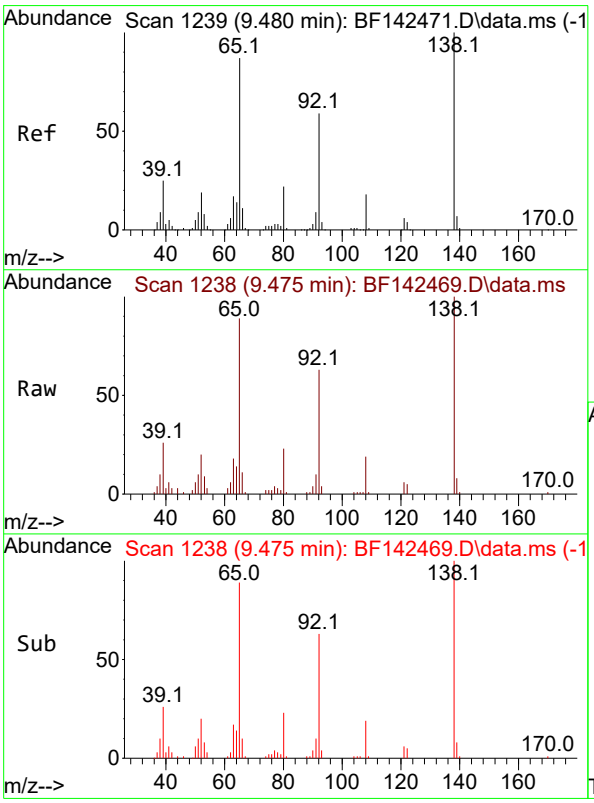
#47
2-Chloronaphthalene
Concen: 10.208 ng
RT: 9.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 120339

Ion	Ratio	Lower	Upper
162	100		
127	38.3	33.5	50.3
164	31.8	26.1	39.1

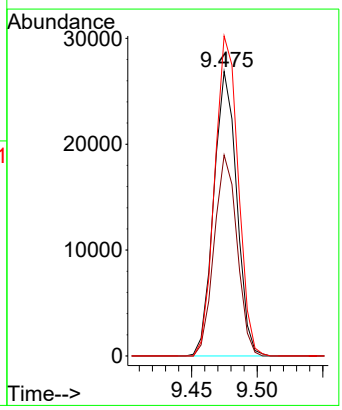


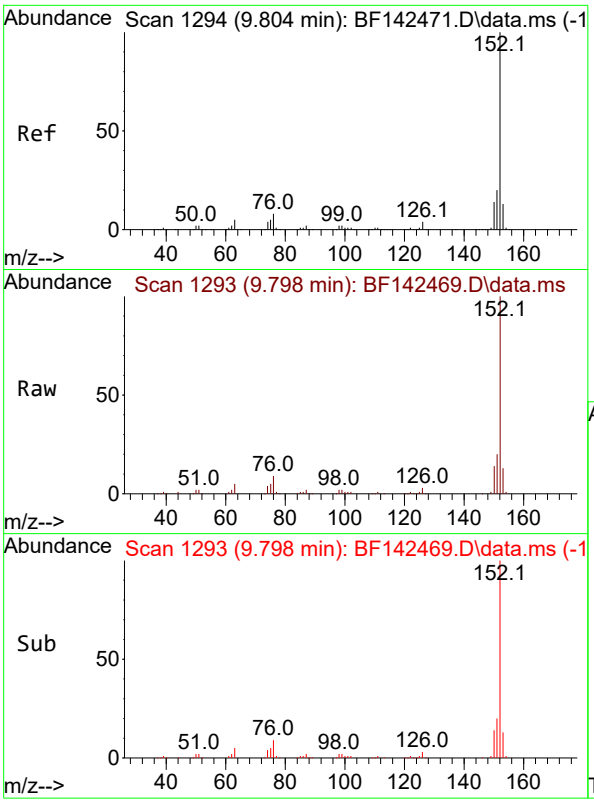


#48
2-Nitroaniline
Concen: 9.604 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion: 65 Resp: 32722

Ion	Ratio	Lower	Upper
65	100		
92	70.6	54.4	81.6
138	112.5	91.4	137.2



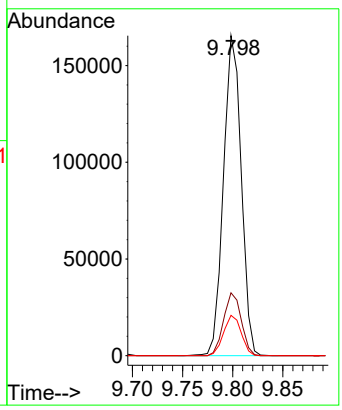


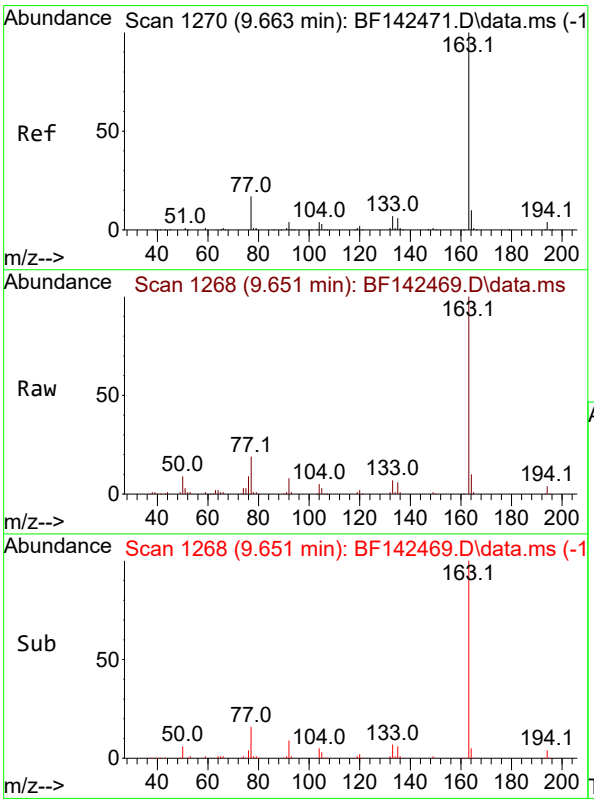
#49
Acenaphthylene
Concen: 10.237 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 203767

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.6	10.6	15.8

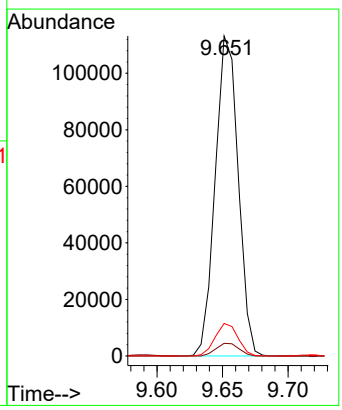


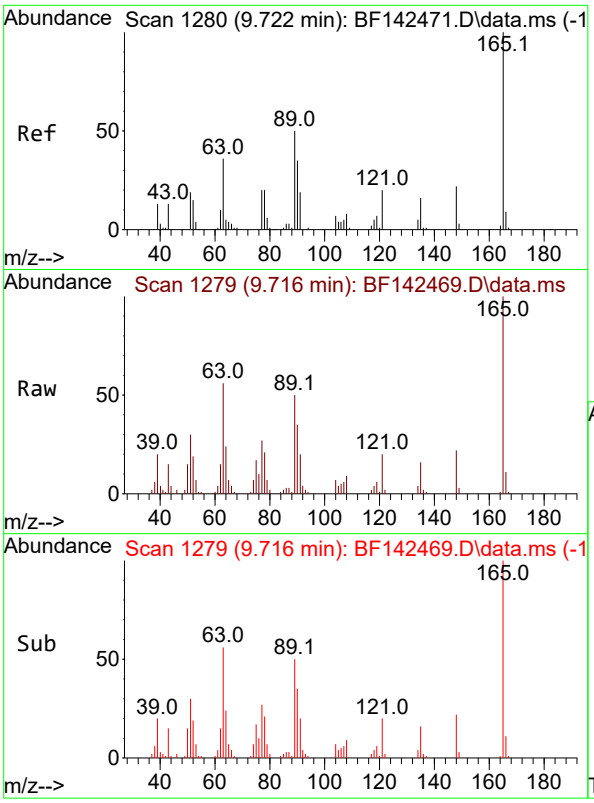


#50
Dimethylphthalate
Concen: 10.155 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:163 Resp: 137804

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.2	12.4



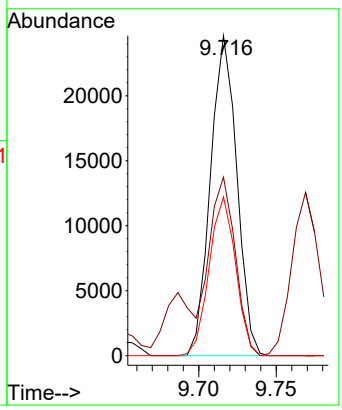


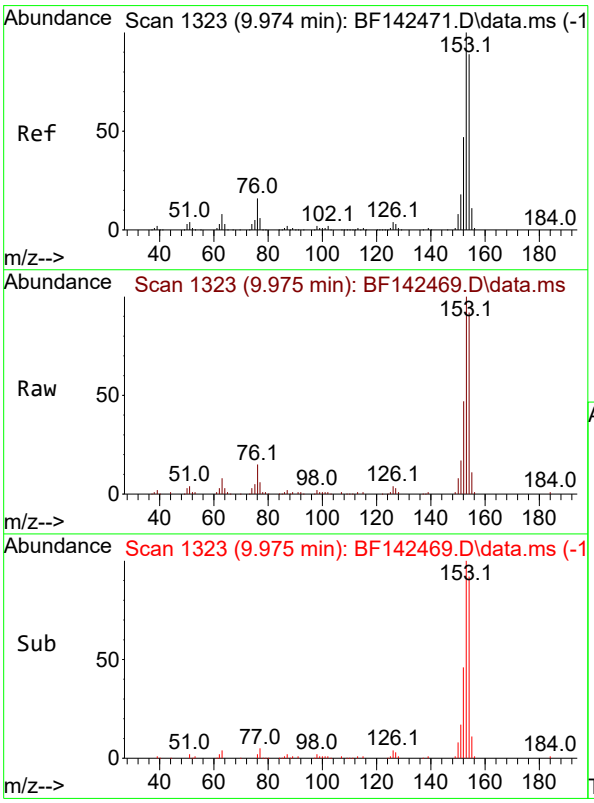
#51
2,6-Dinitrotoluene
Concen: 9.940 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29112

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.9	64.3
89	49.6	40.2	60.4

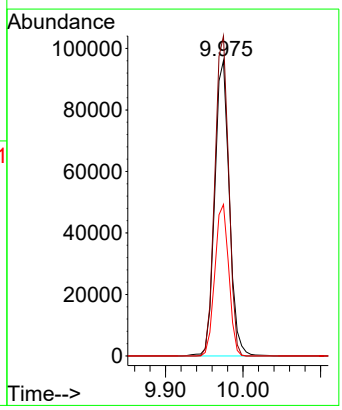


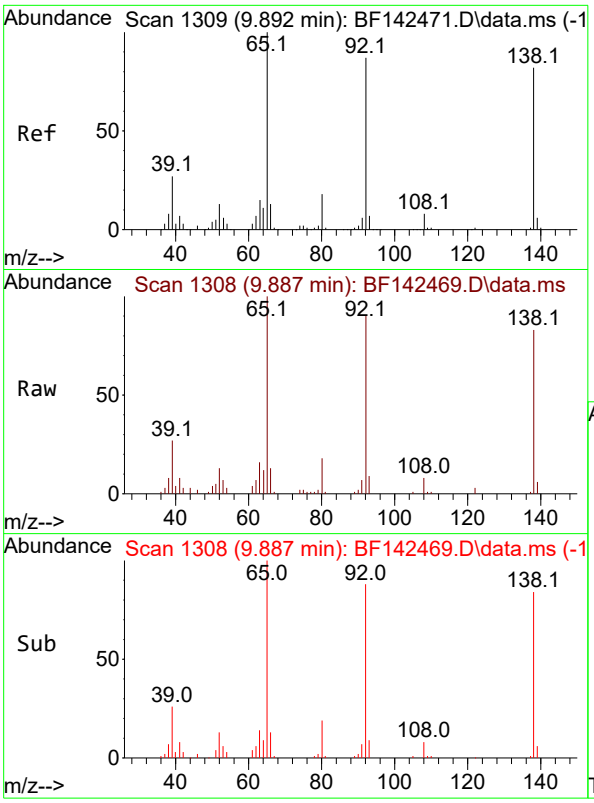


#52
Acenaphthene
Concen: 10.339 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:154 Resp: 125669

Ion	Ratio	Lower	Upper
154	100		
153	108.4	90.0	135.0
152	51.3	42.6	64.0



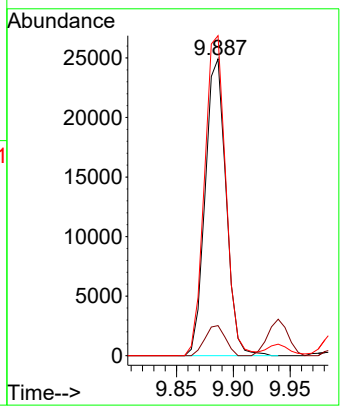


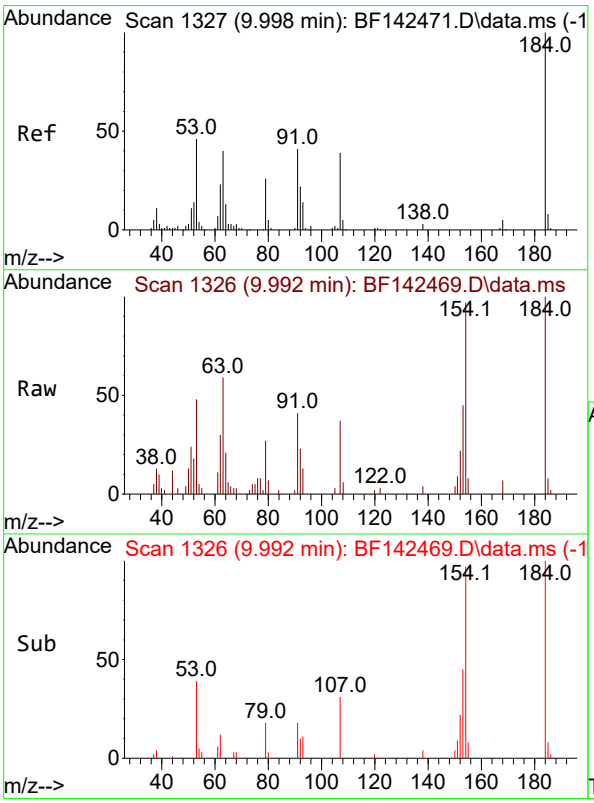
#53
3-Nitroaniline
Concen: 9.947 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 31820

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	107.8	85.2	127.8

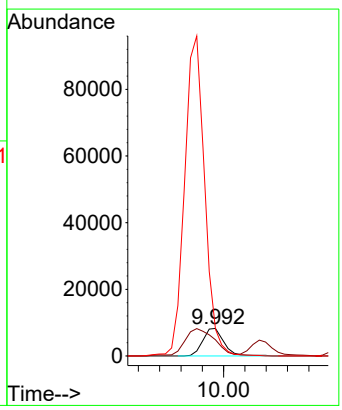


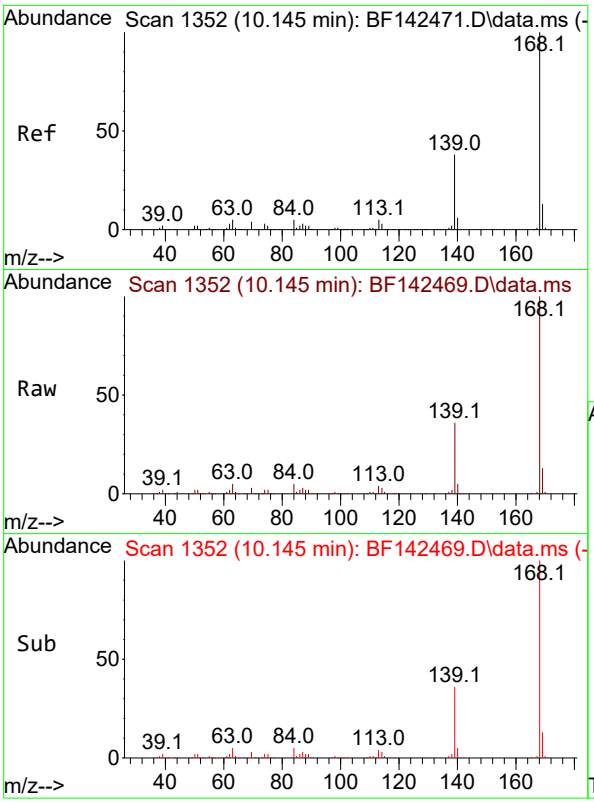


#54
2,4-Dinitrophenol
Concen: 7.502 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:184 Resp: 11352

Ion	Ratio	Lower	Upper
184	100		
63	58.7	46.3	69.5
154	97.5	56.8	85.2#



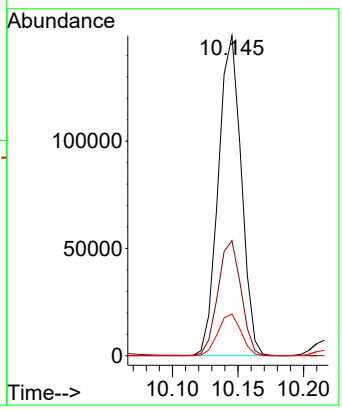


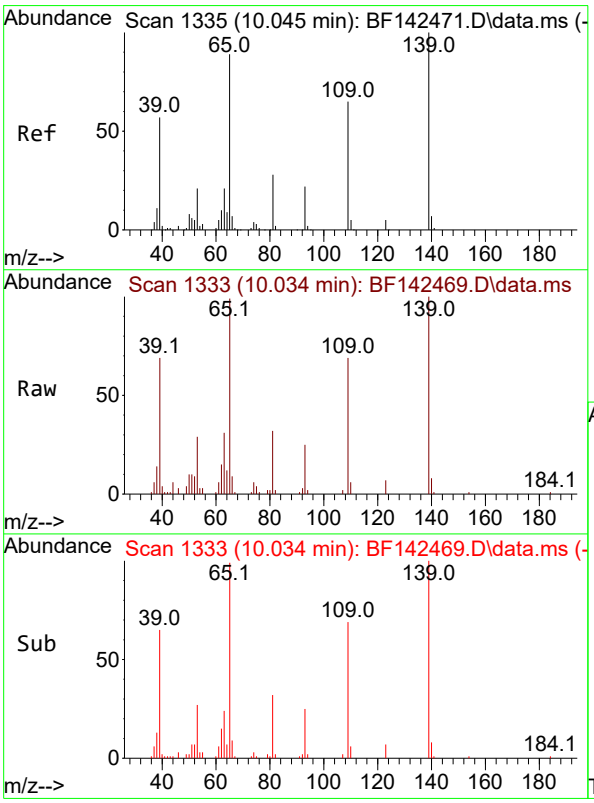
#55
Dibenzofuran
Concen: 10.380 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 181558

Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.2	45.2
169	13.0	10.7	16.1

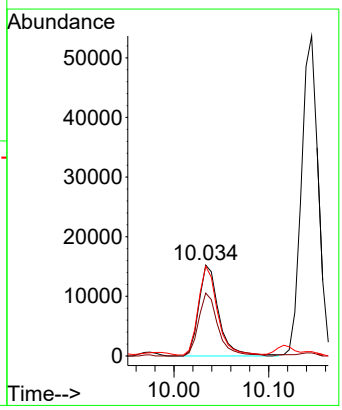


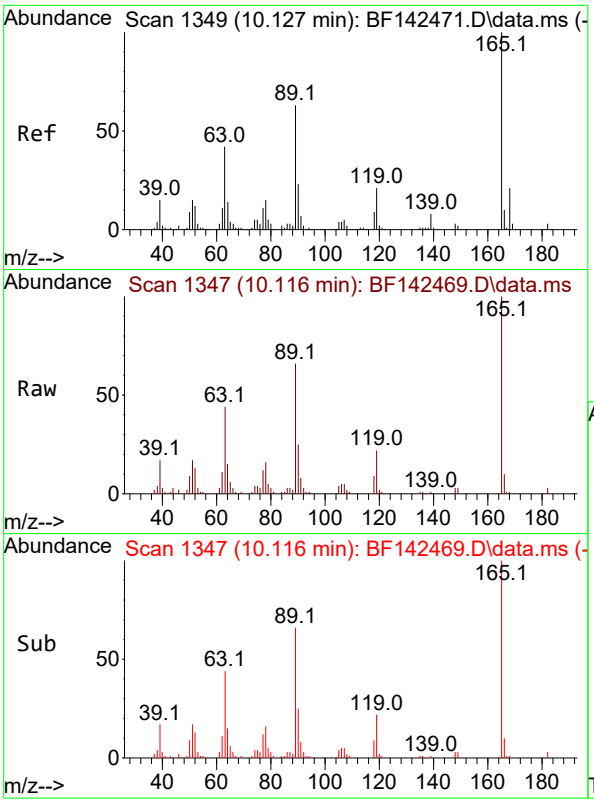


#56
4-Nitrophenol
Concen: 9.456 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:139 Resp: 22320

Ion	Ratio	Lower	Upper
139	100		
109	69.1	45.1	85.1
65	98.8	69.7	109.7



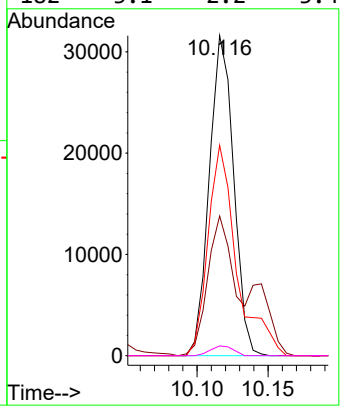


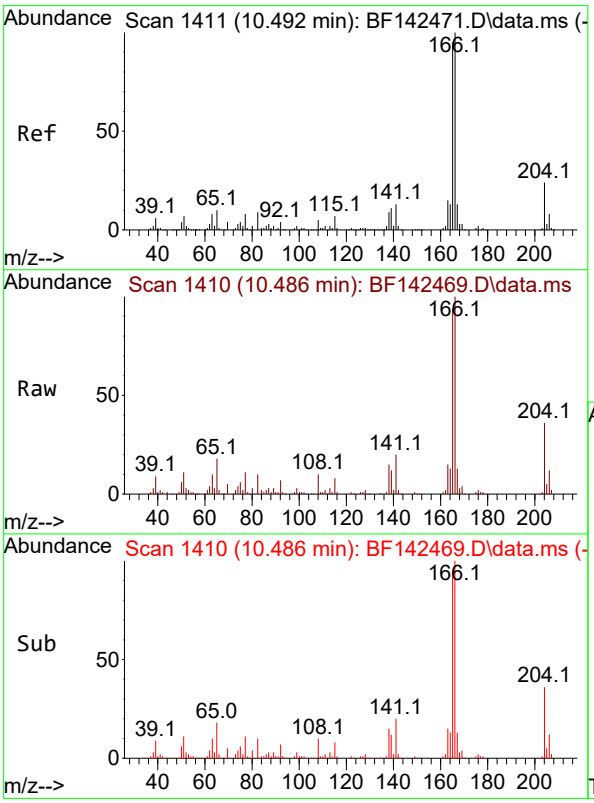
#57
2,4-Dinitrotoluene
Concen: 9.869 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 37749

Ion	Ratio	Lower	Upper
165	100		
63	43.7	33.6	50.4
89	65.7	50.2	75.4
182	3.1	2.2	3.4

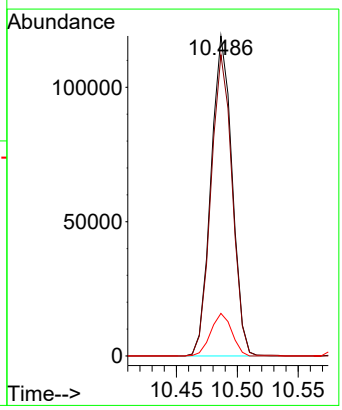


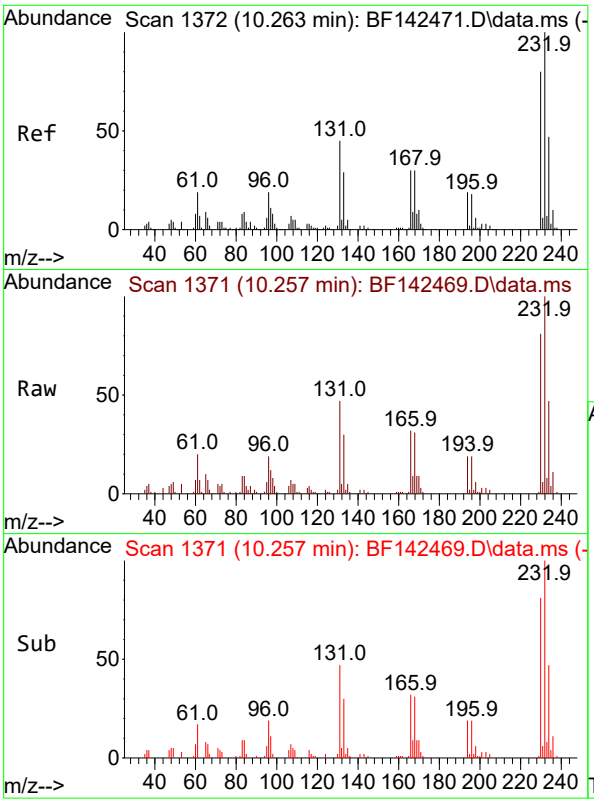


#58
Fluorene
Concen: 10.648 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:166 Resp: 143883

Ion	Ratio	Lower	Upper
166	100		
165	94.2	75.8	113.8
167	13.3	10.6	16.0



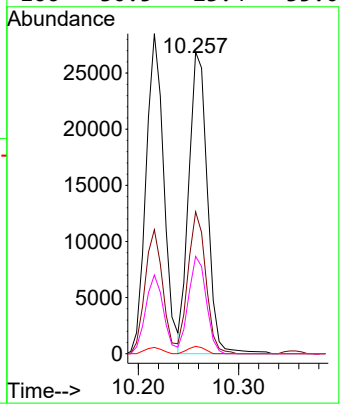


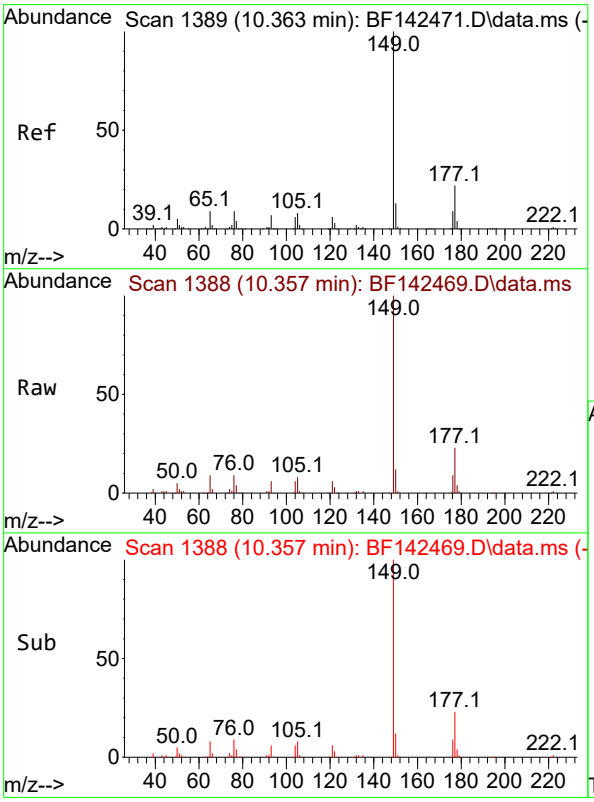
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.857 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 34548

Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.2	52.8
130	2.2	1.7	2.5
166	30.5	23.4	35.0

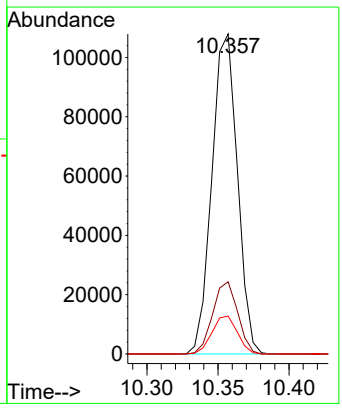


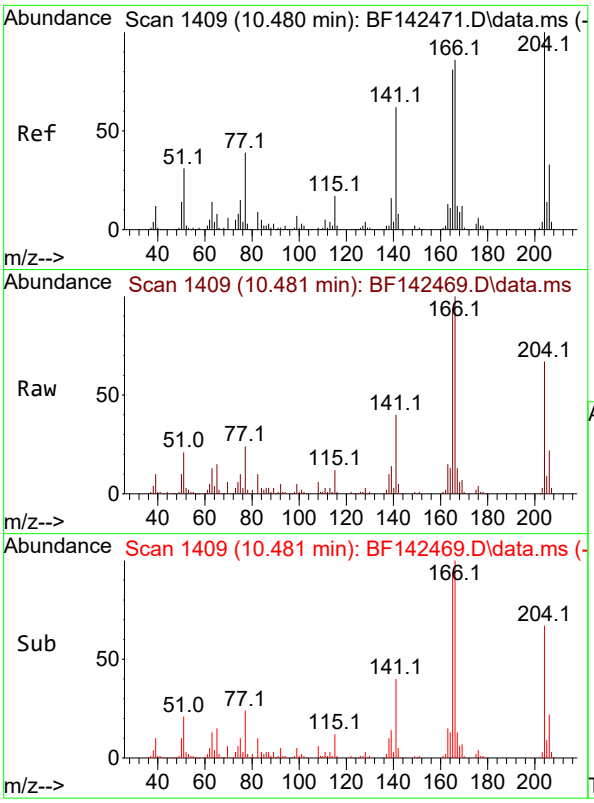


#60
Diethylphthalate
Concen: 10.161 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 134662

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	11.8	10.1	15.1



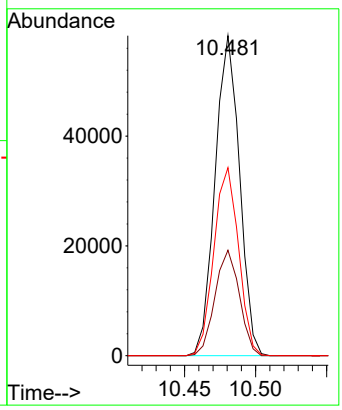


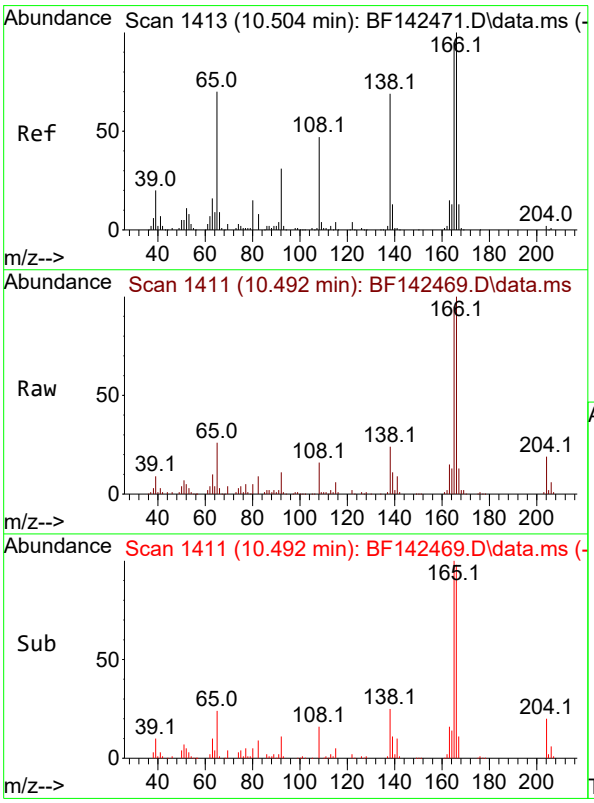
#61
4-Chlorophenyl-phenylether
Concen: 10.506 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 69739

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.3	39.5
141	58.7	49.5	74.3

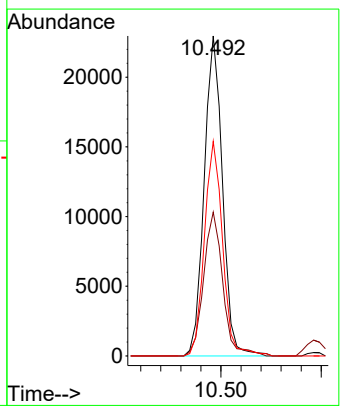


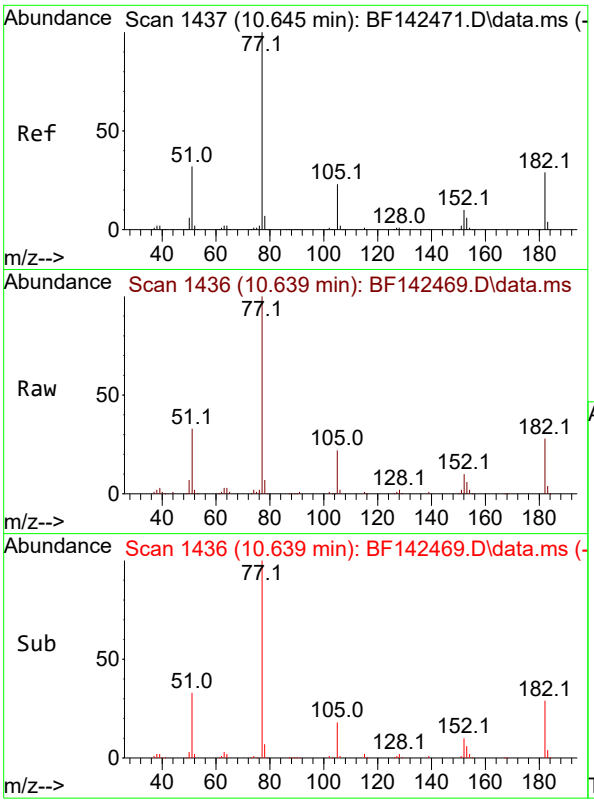


#62
4-Nitroaniline
Concen: 10.038 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:138 Resp: 29122

Ion	Ratio	Lower	Upper
138	100		
92	45.0	26.0	66.0
108	67.1	48.4	88.4



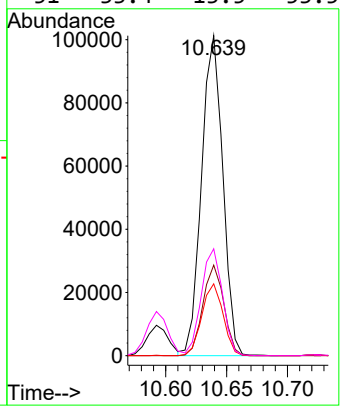


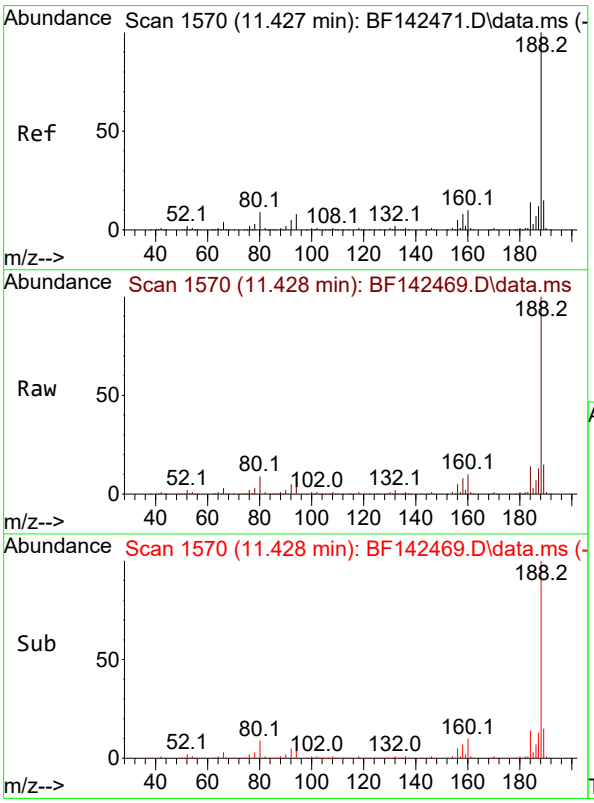
#63
Azobenzene
Concen: 10.317 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 122806

Ion	Ratio	Lower	Upper
77	100		
182	28.3	9.0	49.0
105	22.5	2.4	42.4
51	33.4	13.5	53.5

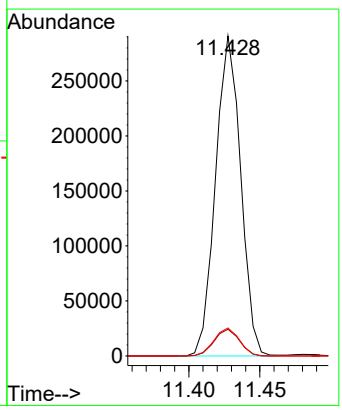


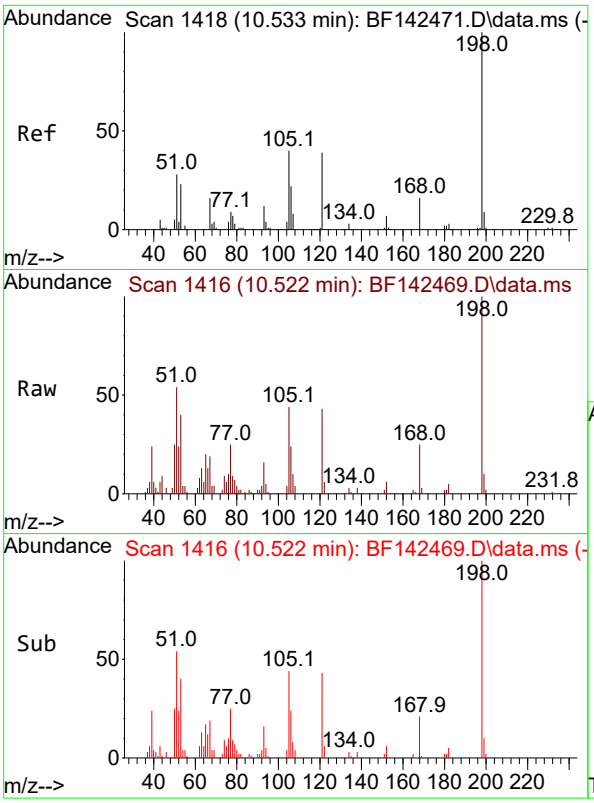


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:188 Resp: 357871

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.7	7.4	11.0



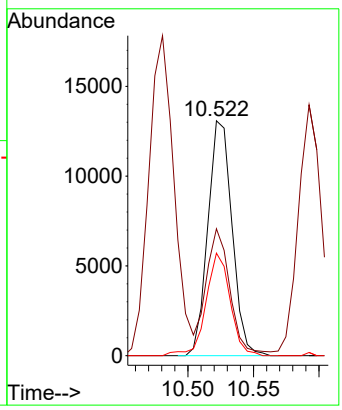


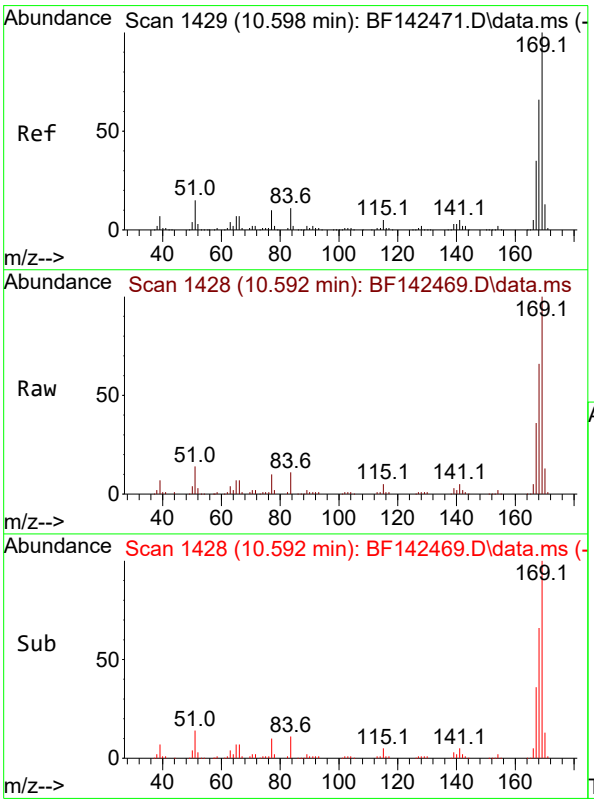
#65
4,6-Dinitro-2-methylphenol
Concen: 8.403 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 16782

Ion	Ratio	Lower	Upper
198	100		
51	54.0	28.3	68.3
105	43.7	21.3	61.3

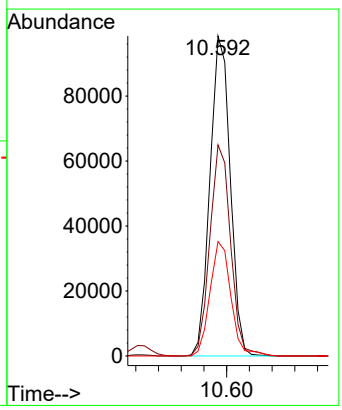


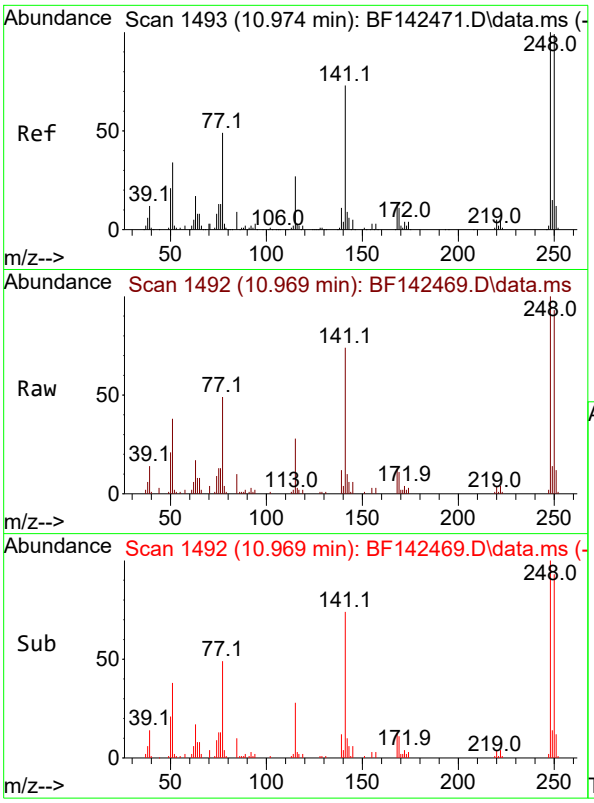


#66
n-Nitrosodiphenylamine
Concen: 9.961 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:169 Resp: 121959

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	35.8	28.3	42.5



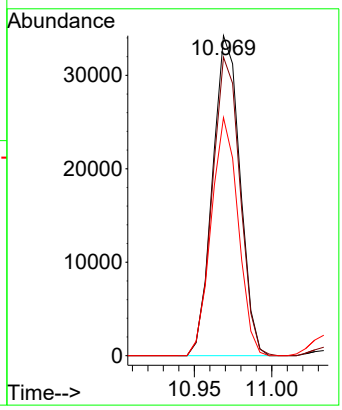


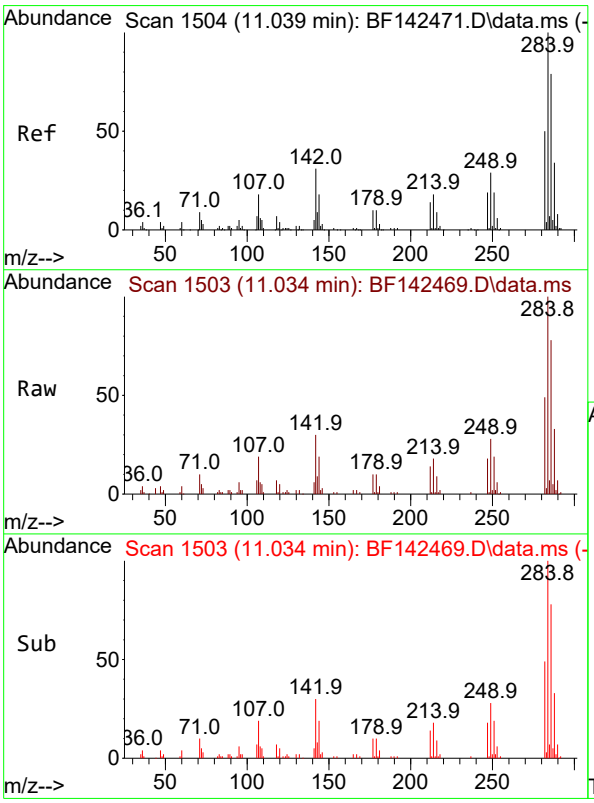
#67
4-Bromophenyl-phenylether
Concen: 9.939 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 42057

Ion	Ratio	Lower	Upper
248	100		
250	93.3	79.0	118.4
141	74.4	58.4	87.6

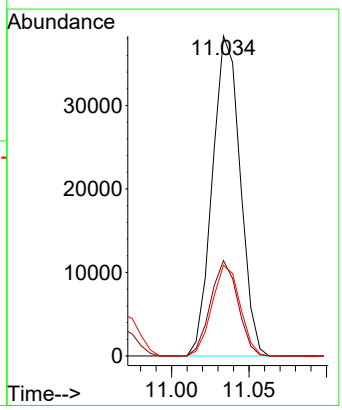


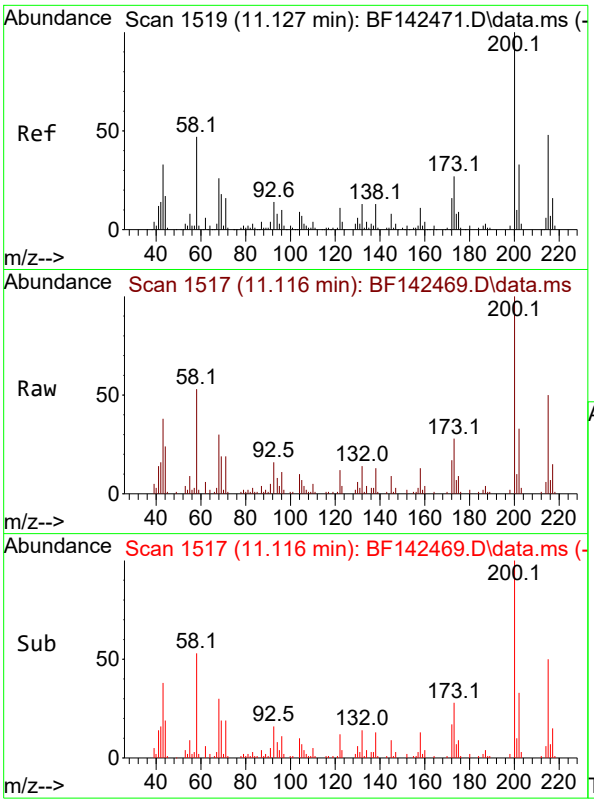


#68
Hexachlorobenzene
Concen: 10.207 ng
RT: 11.034 min Scan# 1503
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:284 Resp: 47773

Ion	Ratio	Lower	Upper
284	100		
142	29.8	24.8	37.2
249	28.4	23.6	35.4



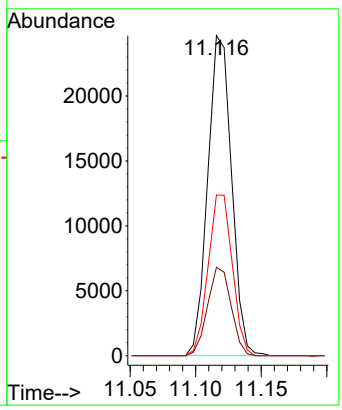


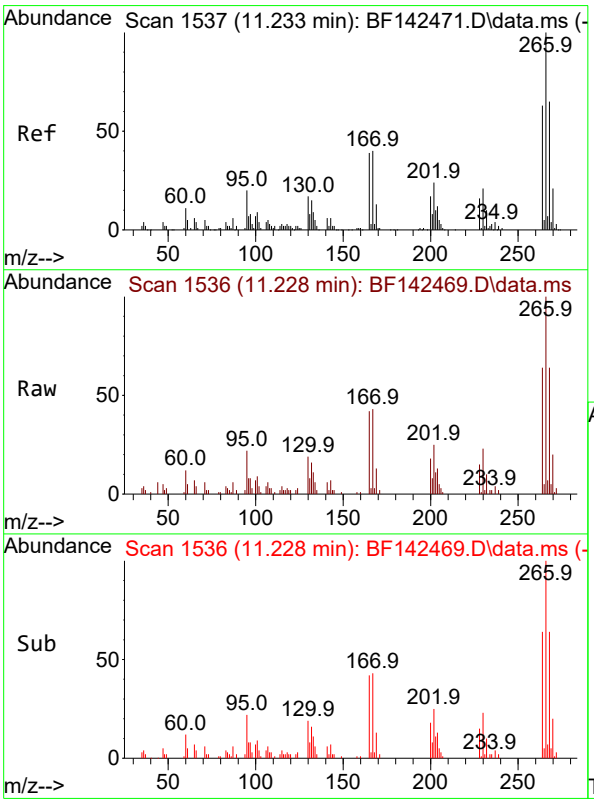
#69
Atrazine
Concen: 9.591 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 31184

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	50.2	28.5	68.5

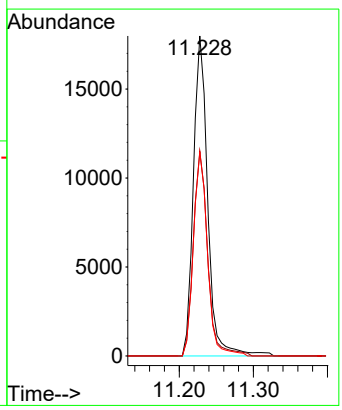


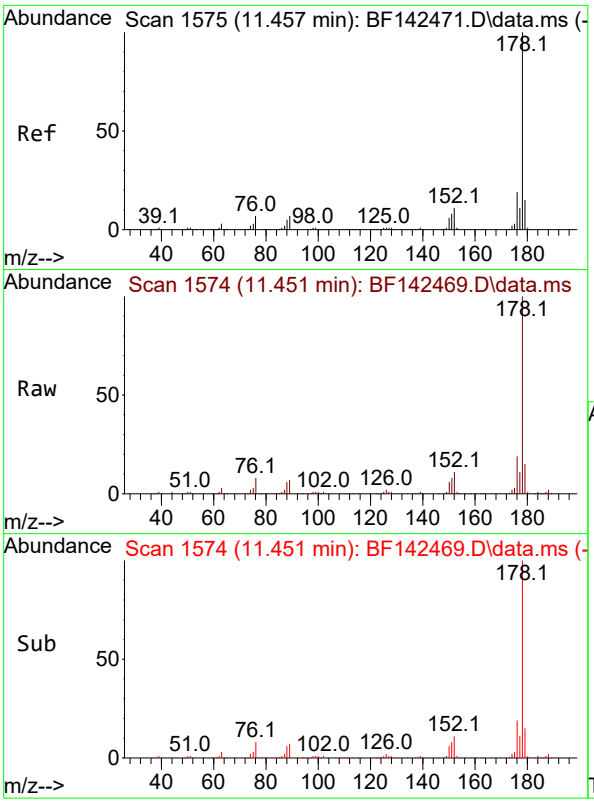


#70
Pentachlorophenol
Concen: 9.126 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:266 Resp: 24115

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.7	77.5
264	63.7	50.4	75.6



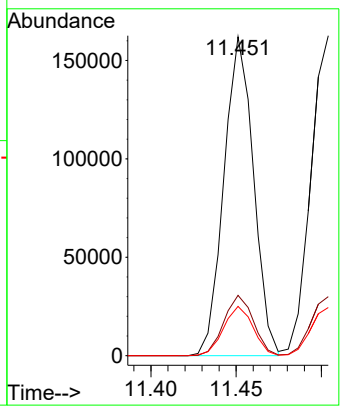


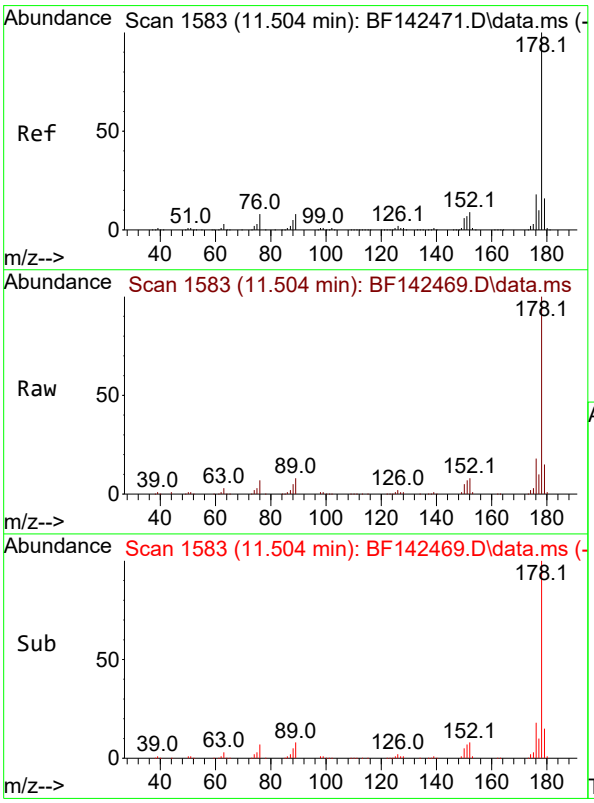
#71
Phenanthrene
Concen: 10.231 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 195667

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.5	12.3	18.5

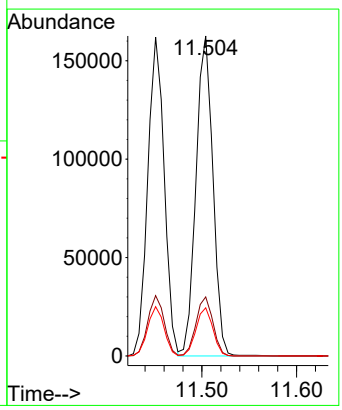


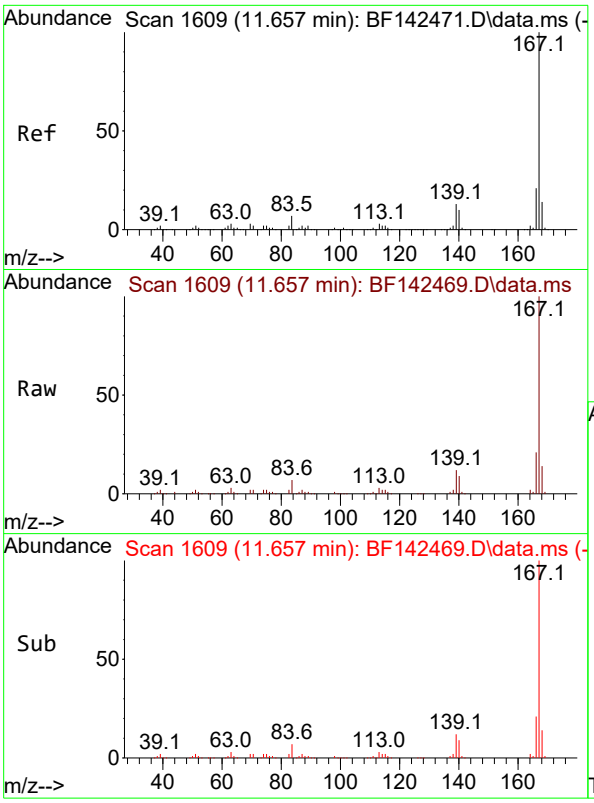


#72
Anthracene
Concen: 10.375 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:178 Resp: 202509

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.0	12.4	18.6



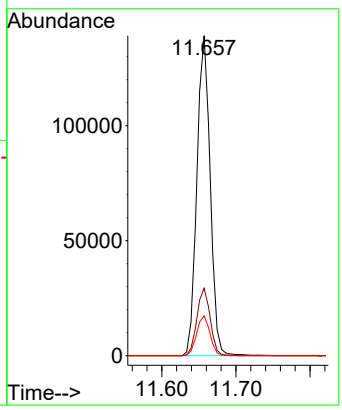


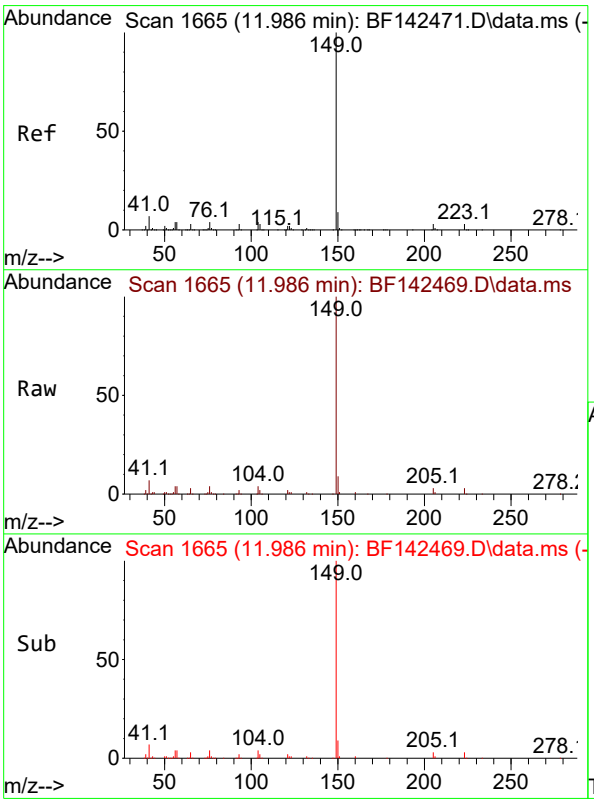
#73
Carbazole
Concen: 10.381 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 173217

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.9	25.3
139	12.5	10.2	15.4

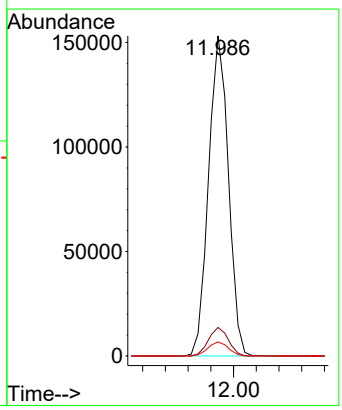


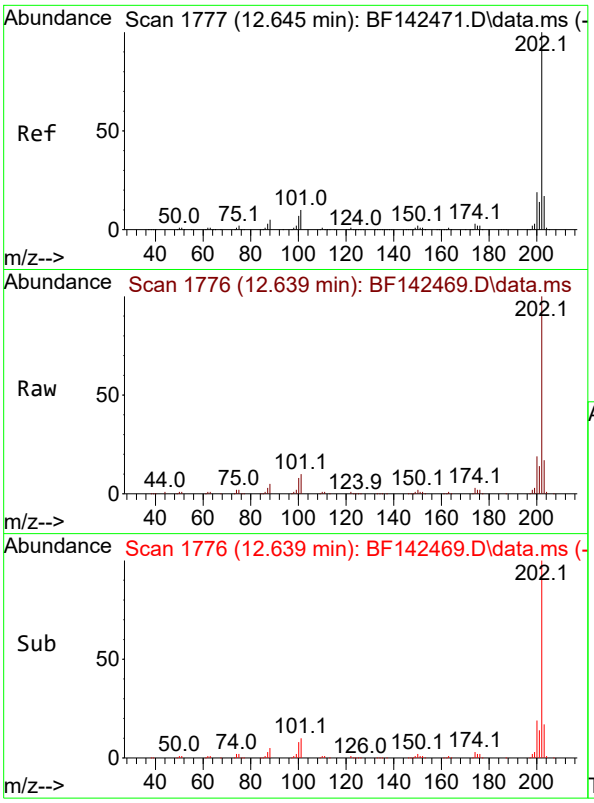


#74
Di-n-butylphthalate
Concen: 10.177 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 185880

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.4	3.6	5.4



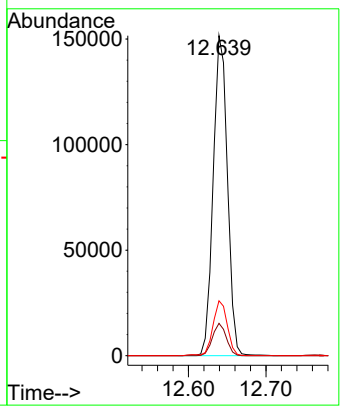


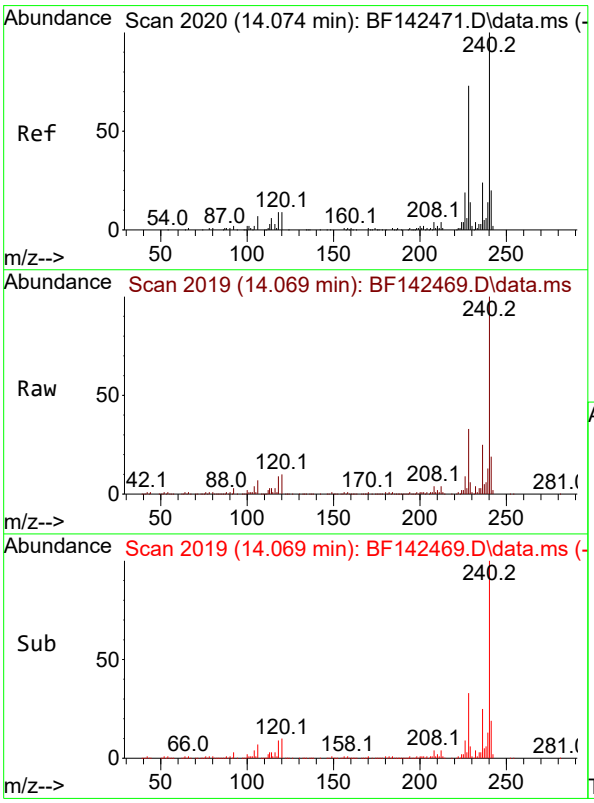
#75
Fluoranthene
Concen: 10.825 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 193456

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.6
203	17.2	0.0	37.2

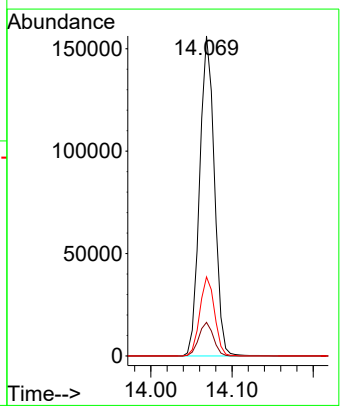


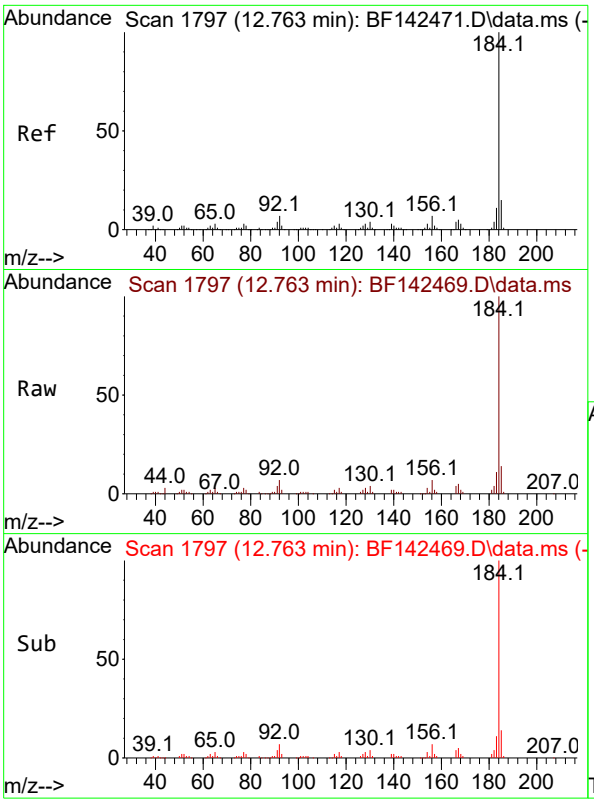


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:240 Resp: 197144

Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.5	11.3
236	24.7	19.6	29.4



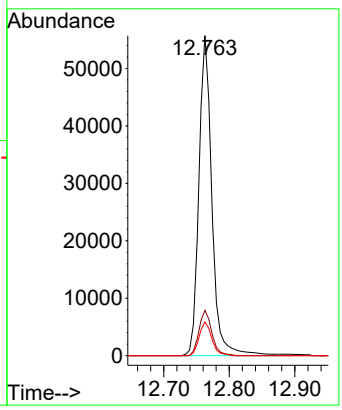


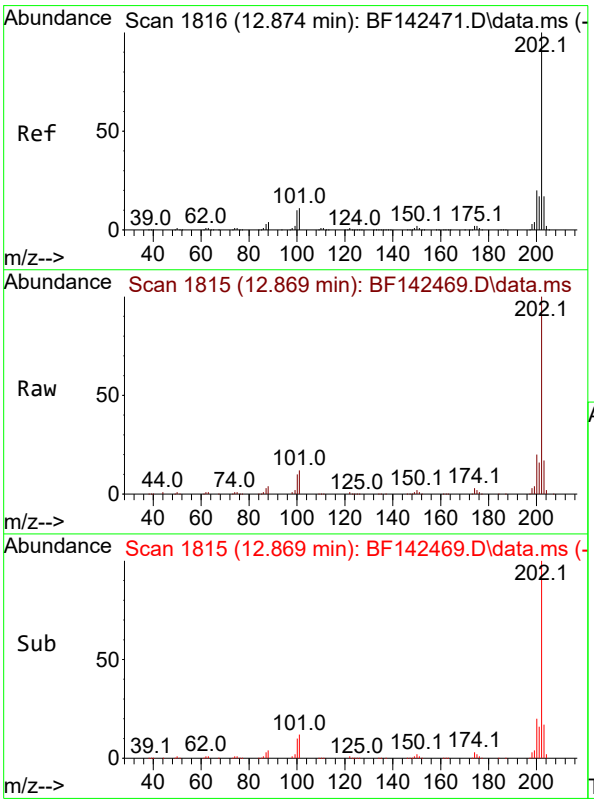
#77
Benzidine
Concen: 10.508 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 77091

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	10.6	9.0	13.4

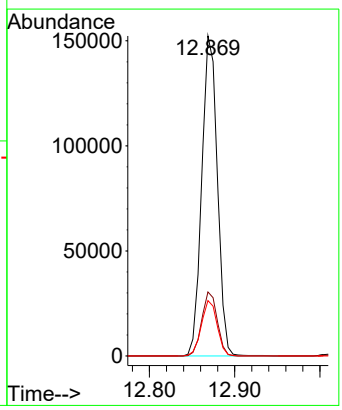


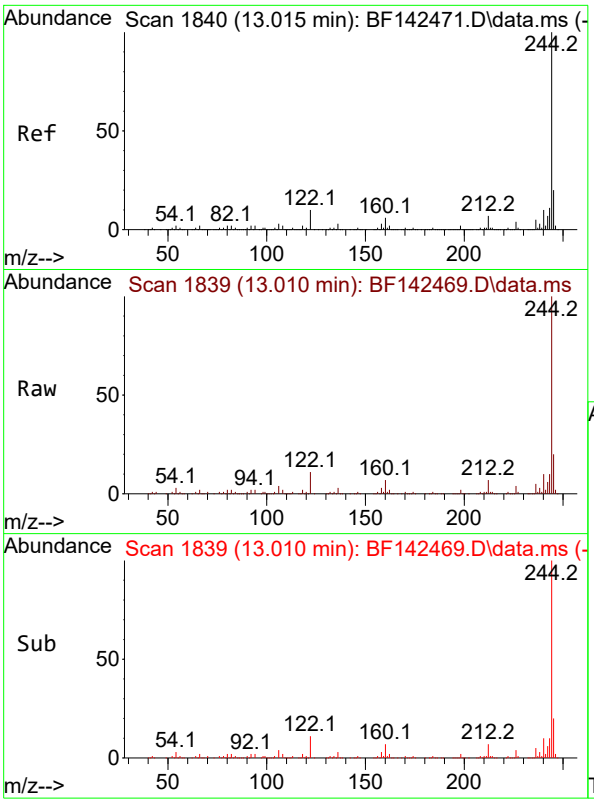


#78
Pyrene
Concen: 10.540 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:202 Resp: 193842

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.3	13.9	20.9



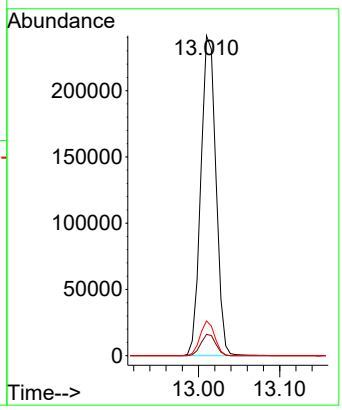


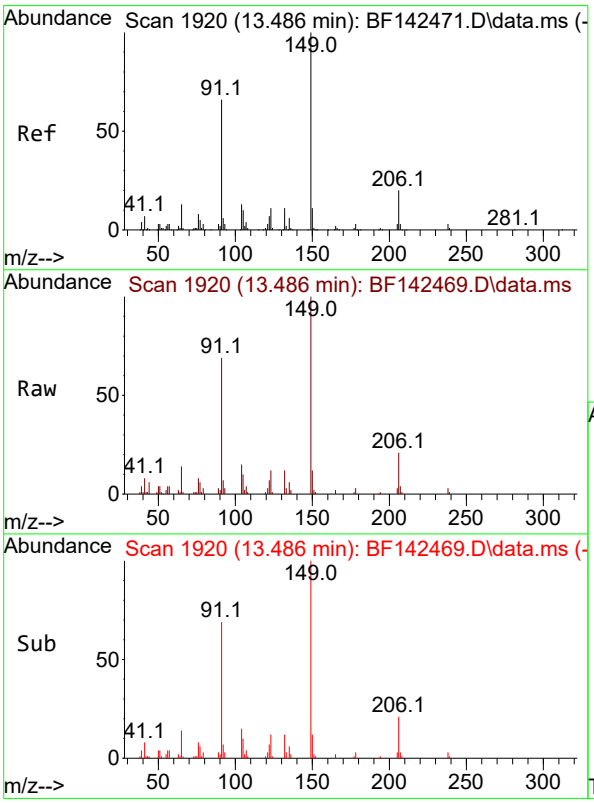
#79
Terphenyl-d14
Concen: 21.612 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 311785

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	8.2	12.2

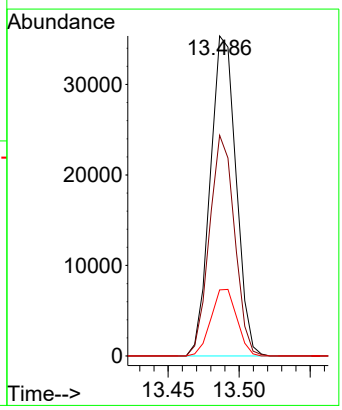


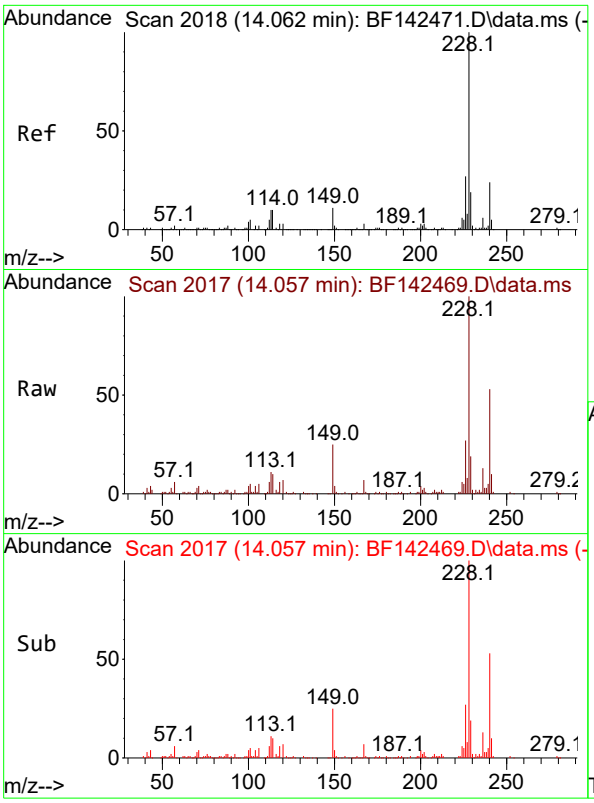


#80
Butylbenzylphthalate
Concen: 8.793 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 44682

Ion	Ratio	Lower	Upper
149	100		
91	69.0	52.9	79.3
206	20.6	16.2	24.2



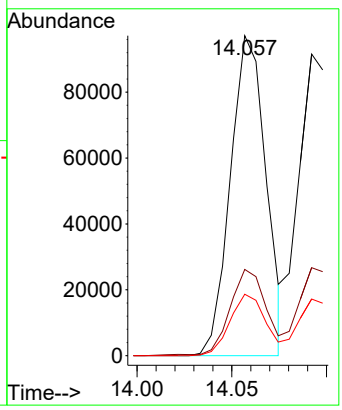


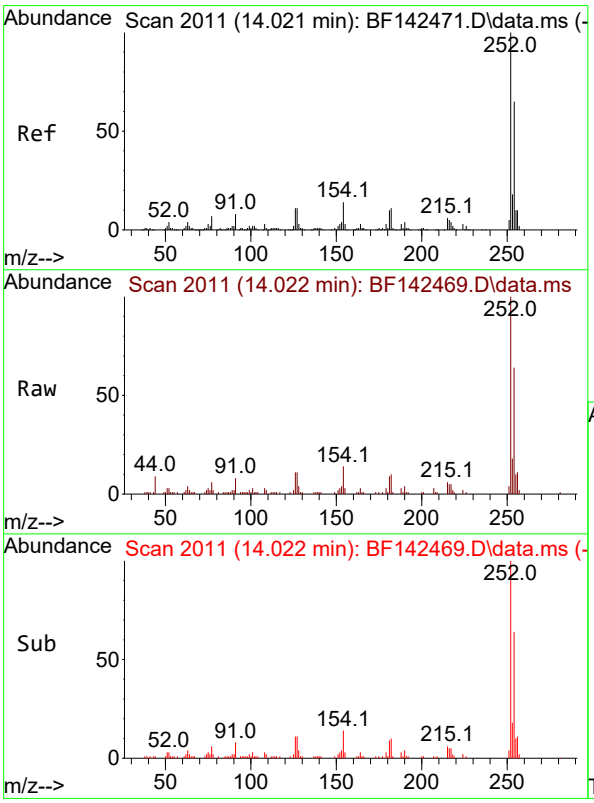
#81
Benzo(a)anthracene
Concen: 9.639 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 126886

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.2	31.8
229	19.2	15.5	23.3

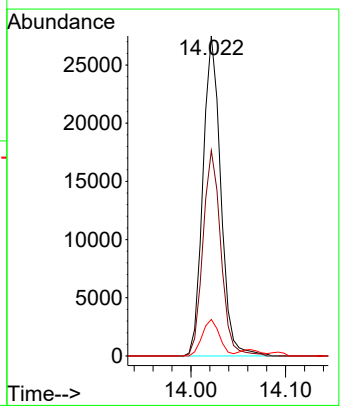


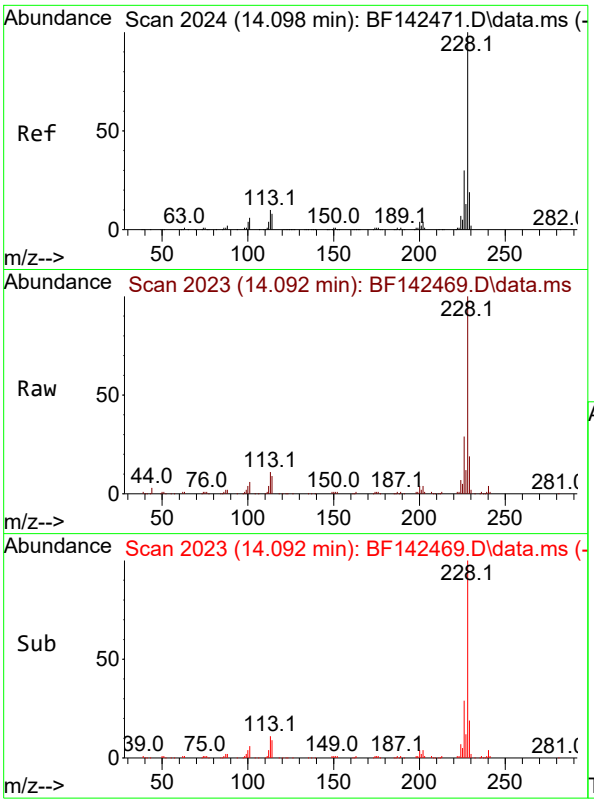


#82
3,3'-Dichlorobenzidine
Concen: 8.977 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 35845

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	11.4	8.9	13.3



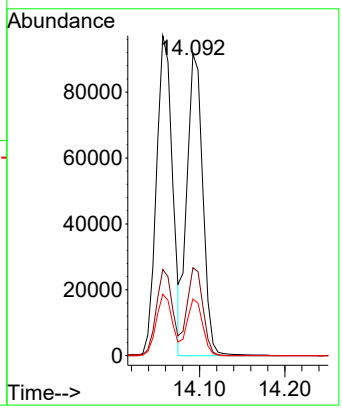


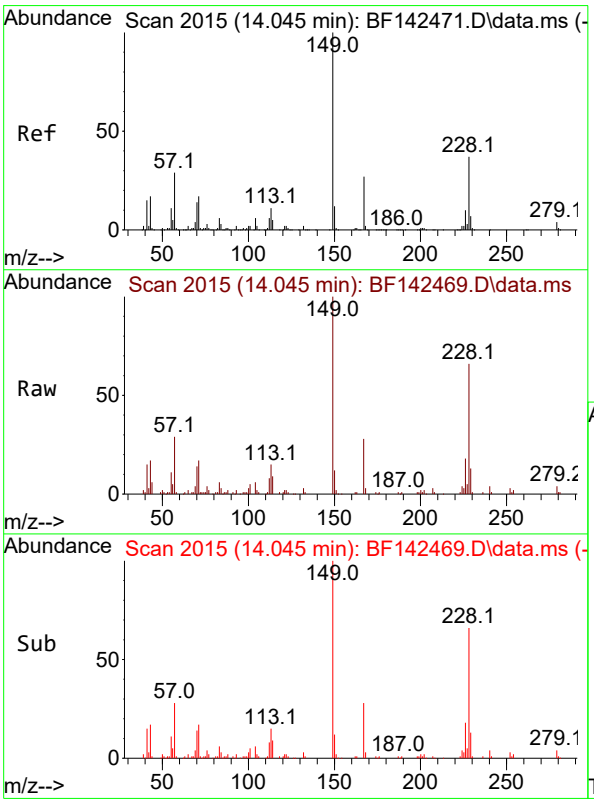
#83
Chrysene
Concen: 10.032 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 118674

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	18.8	15.4	23.2

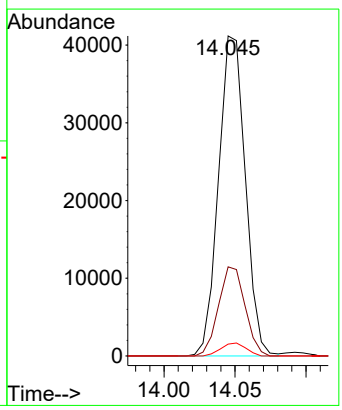


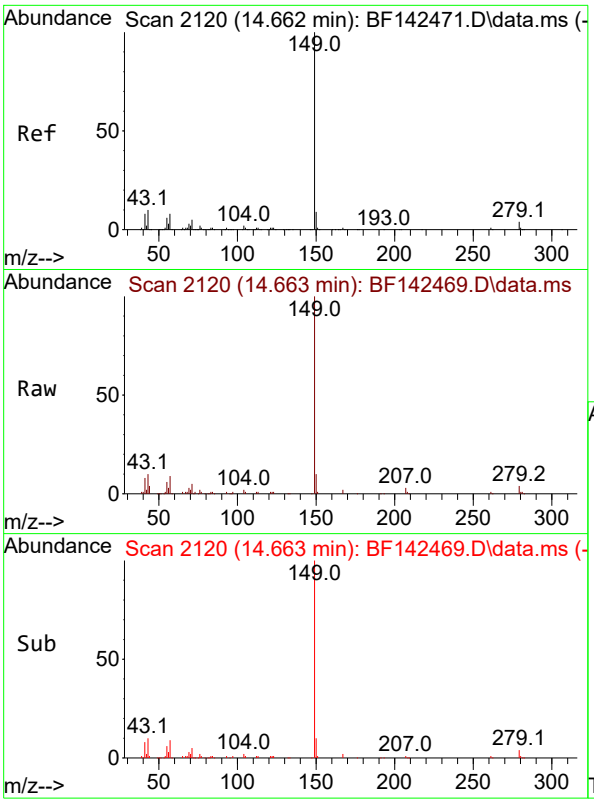


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.310 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:149 Resp: 54056

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	3.7	3.2	4.8



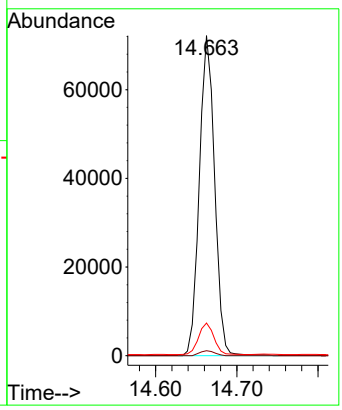


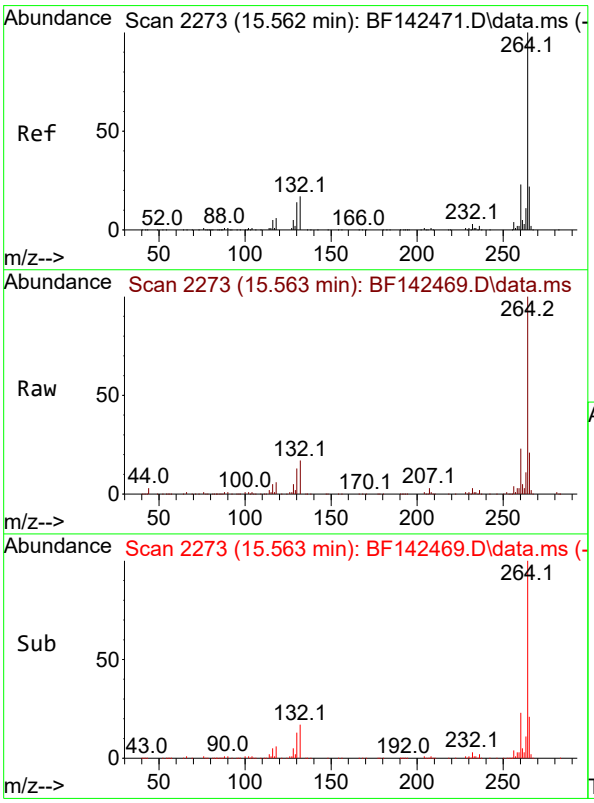
#85
Di-n-octyl phthalate
Concen: 7.425 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 94445

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

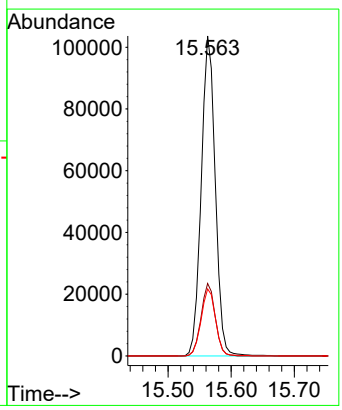


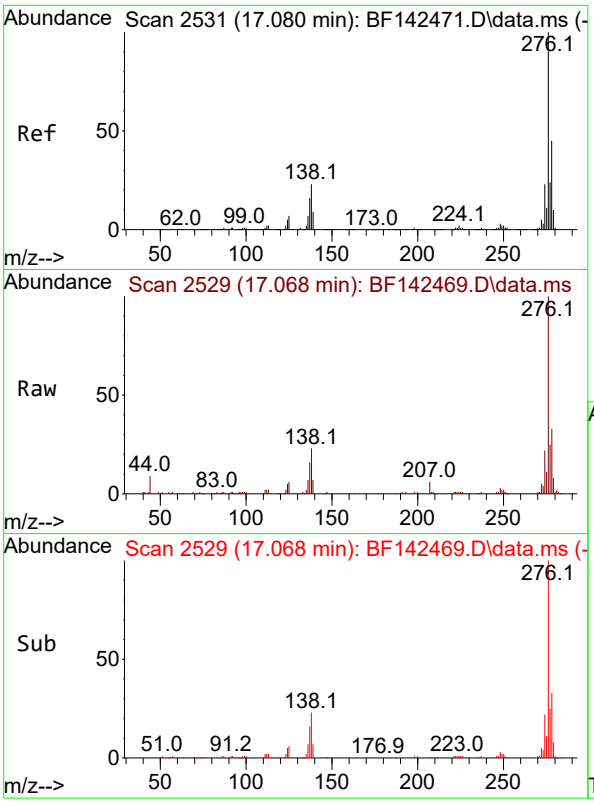


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:264 Resp: 160066

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	20.9	17.7	26.5



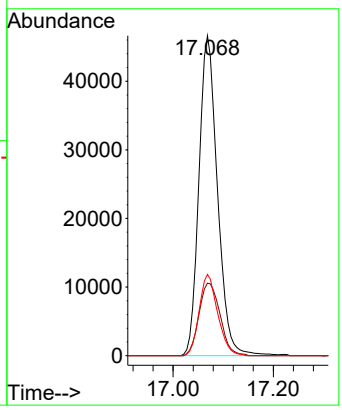


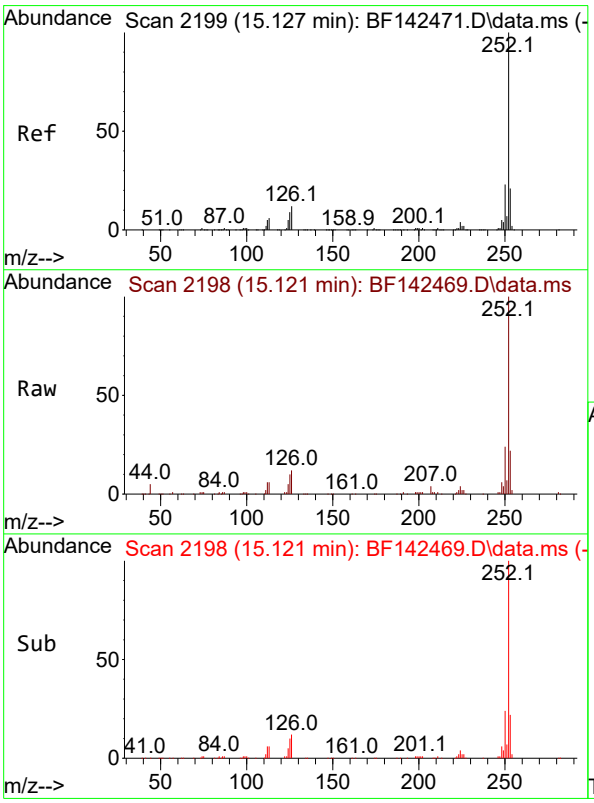
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.956 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 119642

Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.9	29.9
277	25.3	20.2	30.2

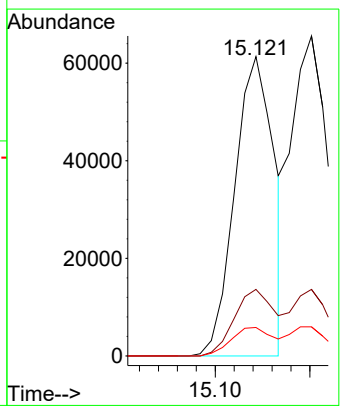


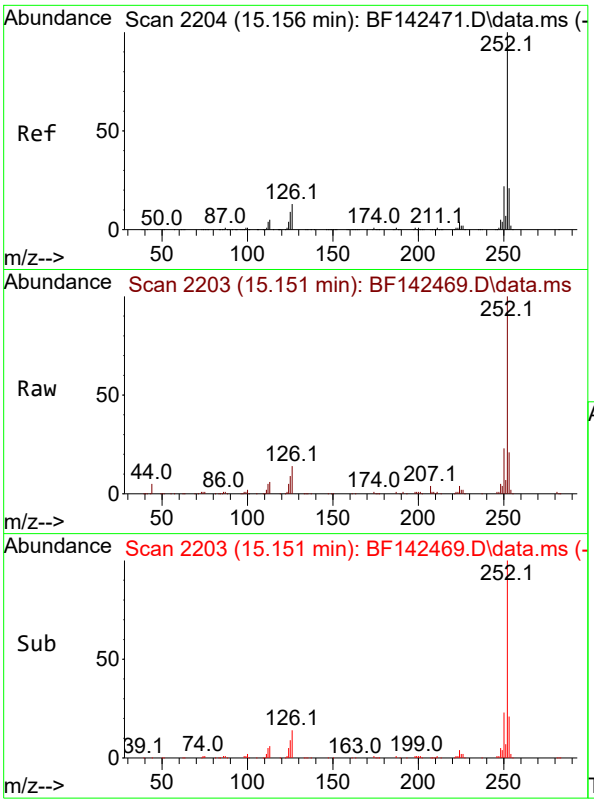


#88
Benzo(b)fluoranthene
Concen: 9.335 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 88432

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	9.5	7.4	11.0



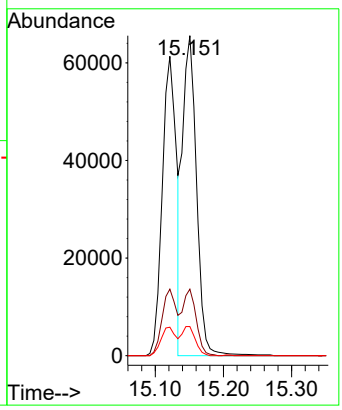


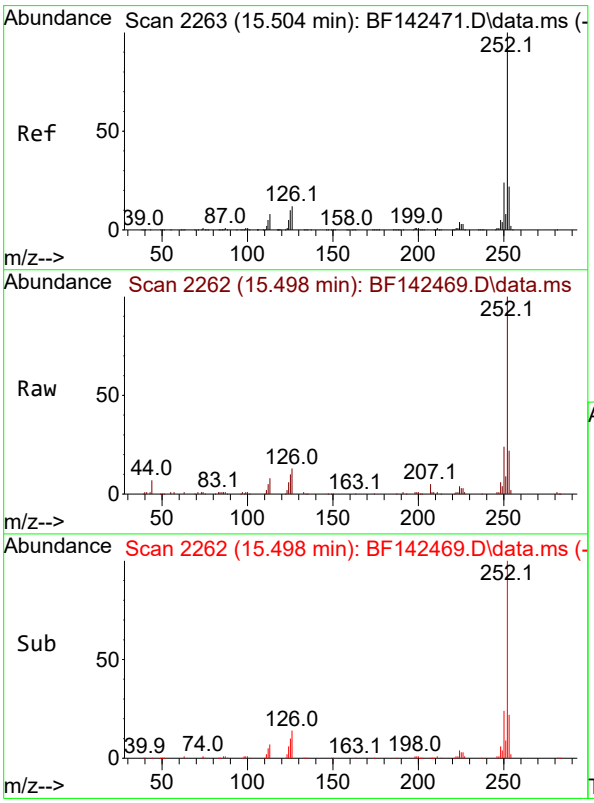
#89
Benzo(k)fluoranthene
Concen: 10.517 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 93315

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.0	25.4
125	9.1	7.3	10.9

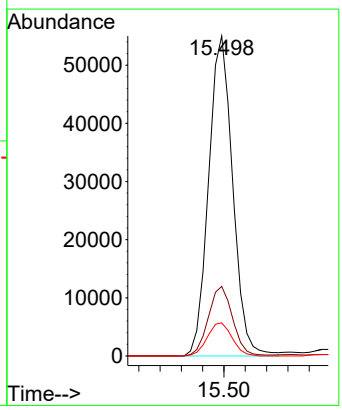


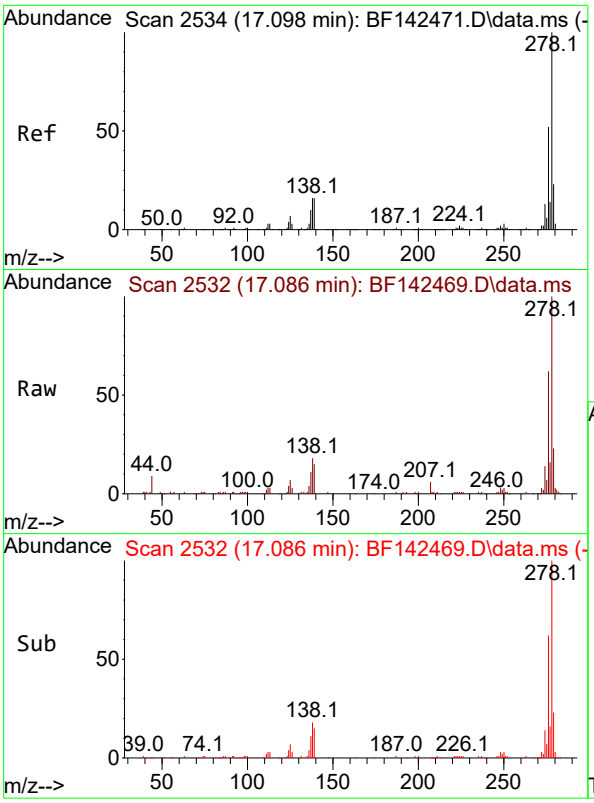


#90
Benzo(a)pyrene
Concen: 9.684 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:252 Resp: 86477

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.4	7.9	11.9



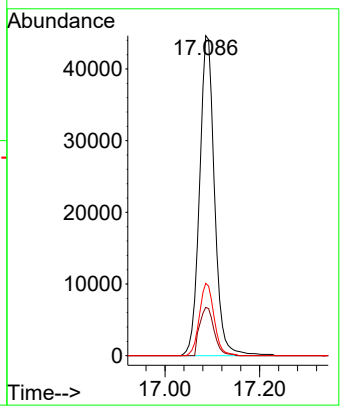


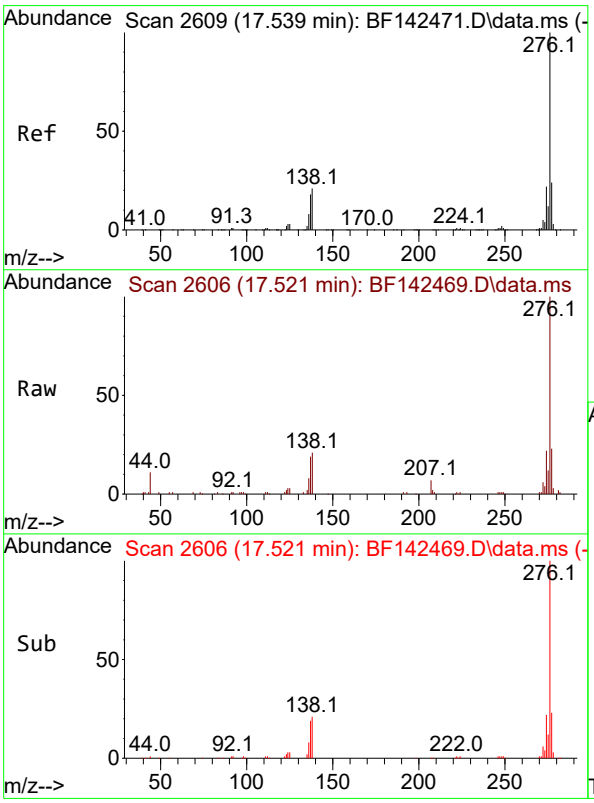
#91
Dibenzo(a,h)anthracene
Concen: 10.087 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 98308

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.8	19.2
279	22.6	18.6	28.0

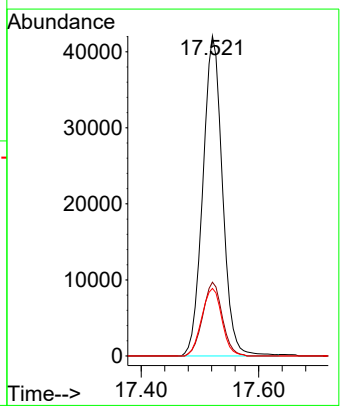




#92
Benzo(g,h,i)perylene
Concen: 10.016 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.035 min
Lab File: BF142469.D
Acq: 20 May 2025 13:07

Tgt Ion:276 Resp: 97640

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	21.1	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	94619	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	367495	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	204113	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	353003	20.000	ng	0.00
76) Chrysene-d12	14.068	240	179495	20.000	ng	0.00
86) Perylene-d12	15.563	264	165092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	231731	41.261	ng	-0.01
7) Phenol-d6	6.516	99	276122	40.843	ng	-0.02
23) Nitrobenzene-d5	7.463	82	278514	41.326	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	95535	42.171	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	635813	41.799	ng	-0.01
79) Terphenyl-d14	13.016	244	596097	45.382	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	44822	19.944	ng	99
3) Pyridine	3.440	79	114685	20.039	ng	99
4) n-Nitrosodimethylamine	3.375	42	59347	19.972	ng	99
6) Aniline	6.557	93	185773	20.437	ng	99
8) 2-Chlorophenol	6.681	128	124465	20.347	ng	99
9) Benzaldehyde	6.451	77	91686	22.548	ng	99
10) Phenol	6.534	94	155782	20.479	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	110538	20.187	ng	99
12) 1,3-Dichlorobenzene	6.840	146	139347	20.414	ng	100
13) 1,4-Dichlorobenzene	6.916	146	141061	20.515	ng	99
14) 1,2-Dichlorobenzene	7.069	146	135845	20.647	ng	99
15) Benzyl Alcohol	7.034	79	100072	20.030	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	187668	20.408	ng	100
17) 2-Methylphenol	7.145	107	97077	20.326	ng	99
18) Hexachloroethane	7.416	117	49500	20.617	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	85172	20.328	ng	99
20) 3+4-Methylphenols	7.298	107	126511	20.685	ng	95
22) Acetophenone	7.304	105	168730	20.741	ng	99
24) Nitrobenzene	7.481	77	124202	20.433	ng	99
25) Isophorone	7.716	82	227891	20.225	ng	100
26) 2-Nitrophenol	7.798	139	66130	20.361	ng	100
27) 2,4-Dimethylphenol	7.828	122	116913	20.412	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	144952	20.593	ng	98
29) 2,4-Dichlorophenol	8.034	162	106584	20.462	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	116666	20.638	ng	97
31) Naphthalene	8.204	128	374799	20.713	ng	100
32) Benzoic acid	7.910	122	64801	18.586	ng	99
33) 4-Chloroaniline	8.251	127	152901	20.853	ng	99
34) Hexachlorobutadiene	8.322	225	72441	20.523	ng	99
35) Caprolactam	8.598	113	30374	20.762	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	109793	20.567	ng	97
37) 2-Methylnaphthalene	8.898	142	237350	20.849	ng	98
38) 1-Methylnaphthalene	8.998	142	246831	20.961	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	119980	20.477	ng	100
41) Hexachlorocyclopentadiene	9.051	237	78243	19.796	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	82857	20.971	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	84935	20.383	ng		98
46) 1,1'-Biphenyl	9.363	154	325474	20.553	ng		99
47) 2-Chloronaphthalene	9.386	162	240148	20.526	ng		98
48) 2-Nitroaniline	9.475	65	69068	20.424	ng		97
49) Acenaphthylene	9.804	152	413782	20.945	ng		100
50) Dimethylphthalate	9.657	163	279113	20.724	ng		100
51) 2,6-Dinitrotoluene	9.716	165	59031	20.308	ng		97
52) Acenaphthene	9.975	154	250487	20.764	ng		98
53) 3-Nitroaniline	9.886	138	66847	21.055	ng		99
54) 2,4-Dinitrophenol	9.992	184	27863	18.553	ng	#	70
55) Dibenzofuran	10.145	168	360936	20.792	ng		99
56) 4-Nitrophenol	10.039	139	49352	21.067	ng		99
57) 2,4-Dinitrotoluene	10.122	165	79063	20.827	ng		99
58) Fluorene	10.486	166	279994	20.878	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	73538	21.140	ng		99
60) Diethylphthalate	10.357	149	277325	21.084	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	137985	20.944	ng		99
62) 4-Nitroaniline	10.498	138	61856	21.481	ng		98
63) Azobenzene	10.639	77	242545	20.530	ng		99
65) 4,6-Dinitro-2-methylph...	10.528	198	38757	19.673	ng		97
66) n-Nitrosodiphenylamine	10.598	169	245739	20.348	ng		98
67) 4-Bromophenyl-phenylether	10.975	248	84406	20.222	ng		96
68) Hexachlorobenzene	11.039	284	92803	20.102	ng		98
69) Atrazine	11.122	200	65656	20.471	ng		99
70) Pentachlorophenol	11.227	266	52525	20.152	ng		99
71) Phenanthrene	11.451	178	388317	20.584	ng		100
72) Anthracene	11.504	178	396704	20.604	ng		99
73) Carbazole	11.657	167	346558	21.055	ng		99
74) Di-n-butylphthalate	11.986	149	382324	21.221	ng		100
75) Fluoranthene	12.639	202	371226	21.059	ng		99
77) Benzidine	12.763	184	162031	24.258	ng		99
78) Pyrene	12.869	202	370789	22.144	ng		99
80) Butylbenzylphthalate	13.486	149	94290	20.379	ng		99
81) Benzo(a)anthracene	14.057	228	251858	21.013	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	72218	19.865	ng		99
83) Chrysene	14.098	228	214213	19.890	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	111015	18.743	ng		100
85) Di-n-octyl phthalate	14.663	149	198800	17.166	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	261271	21.080	ng		99
88) Benzo(b)fluoranthene	15.121	252	213487	21.849	ng		99
89) Benzo(k)fluoranthene	15.151	252	170316	18.611	ng		100
90) Benzo(a)pyrene	15.498	252	183983	19.976	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	210557	20.946	ng		99
92) Benzo(g,h,i)perylene	17.527	276	209719	20.859	ng		98

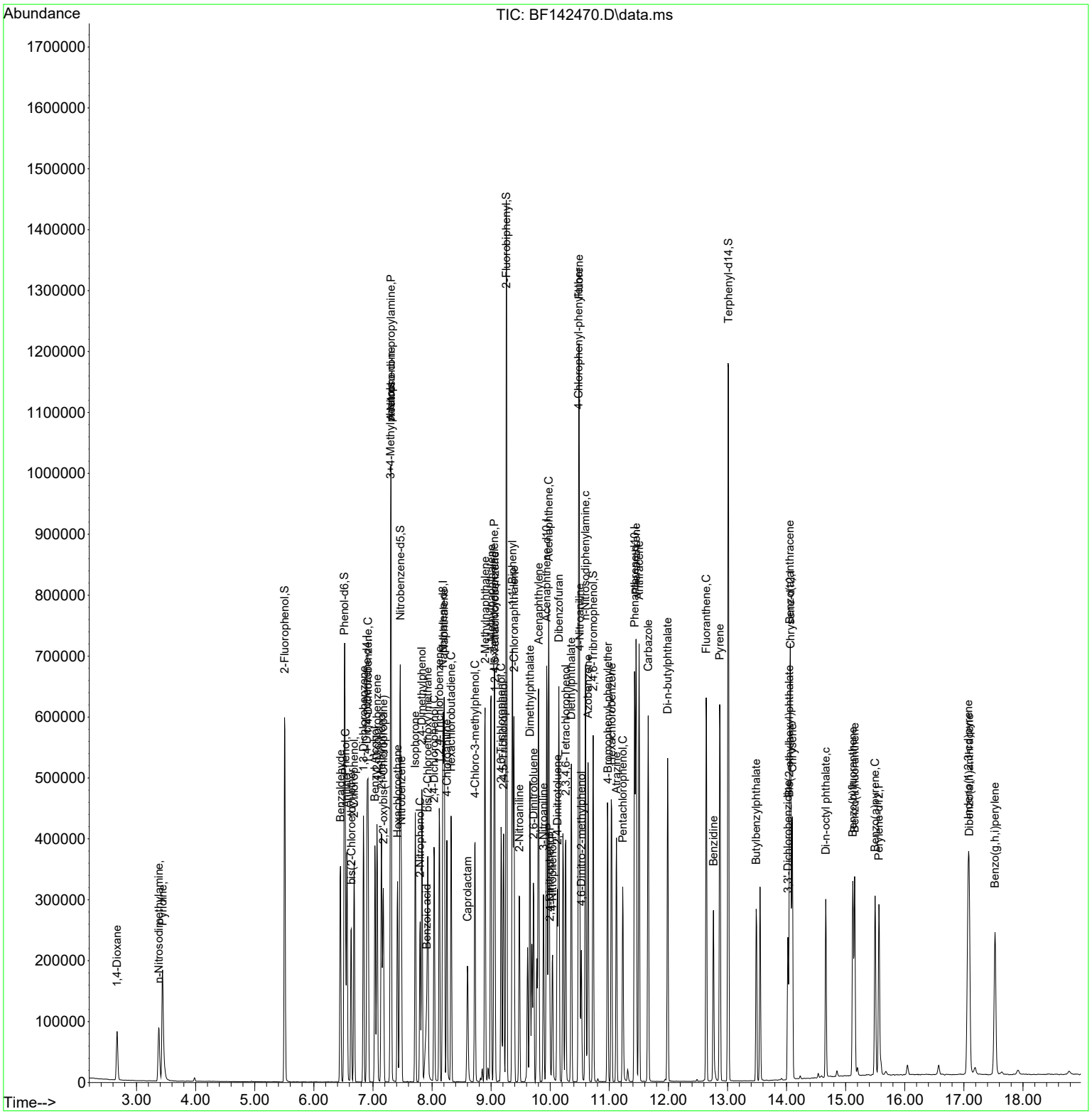
(#) = qualifier out of range (m) = manual integration (+) = signals summed

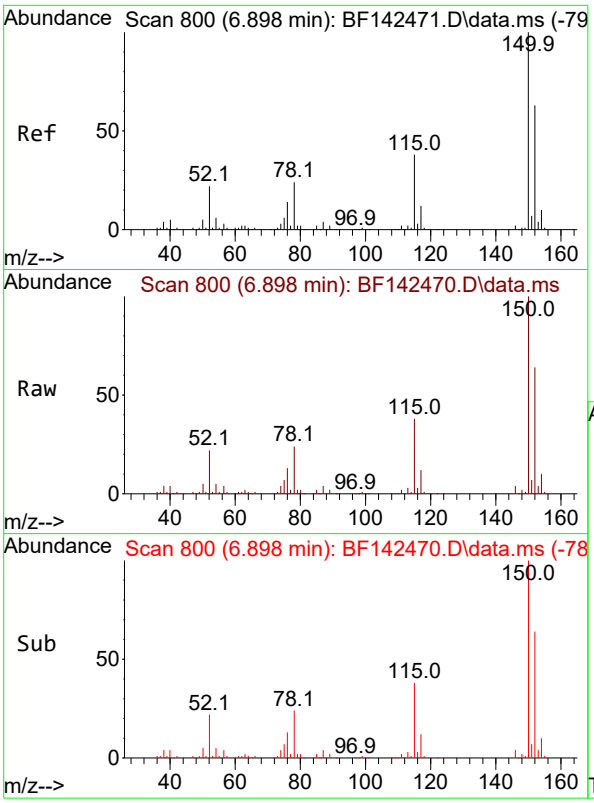
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142470.D
Acq On : 20 May 2025 13:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 20 16:55:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



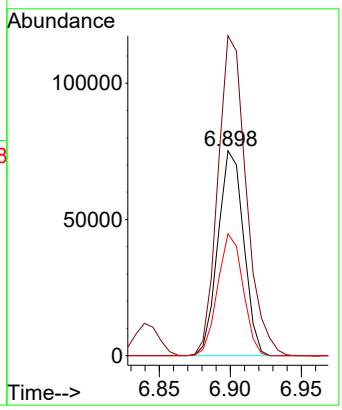


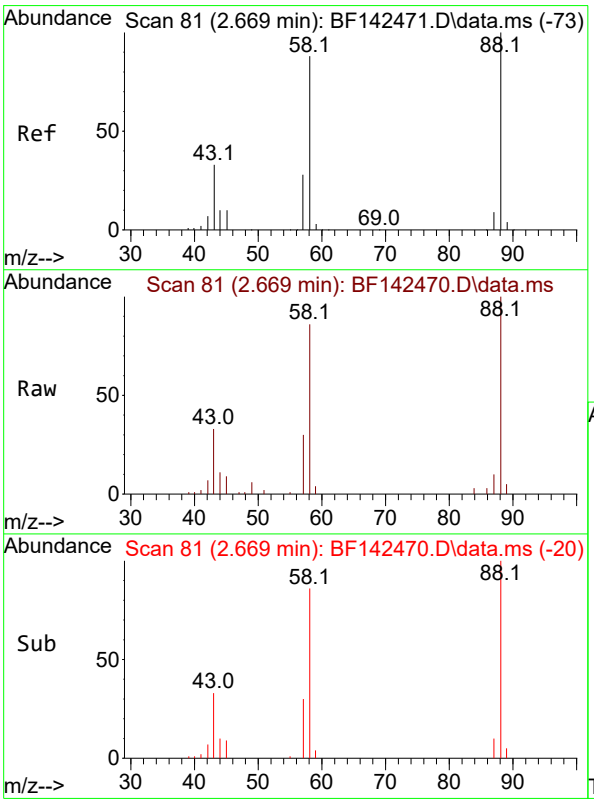
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 94619

Ion	Ratio	Lower	Upper
152	100		
150	156.2	128.2	192.4
115	59.5	48.3	72.5

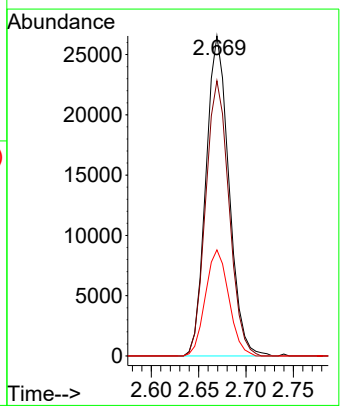


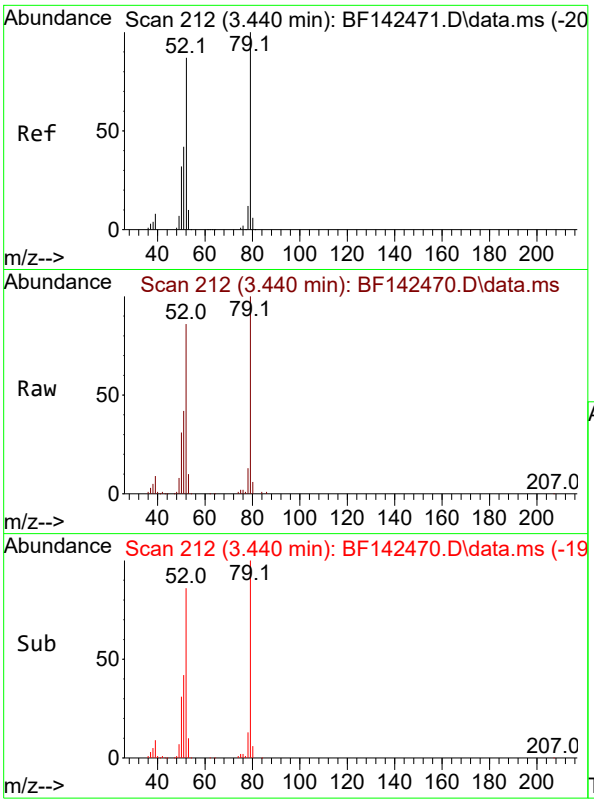


#2
1,4-Dioxane
Concen: 19.944 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 88 Resp: 44822

Ion	Ratio	Lower	Upper
88	100		
58	87.2	70.8	106.2
43	33.7	26.6	40.0



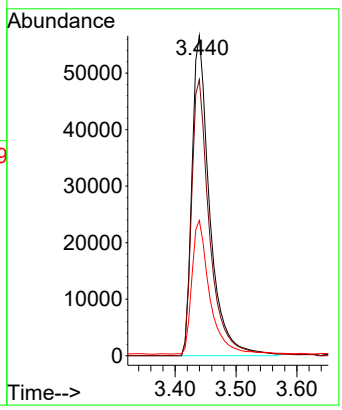


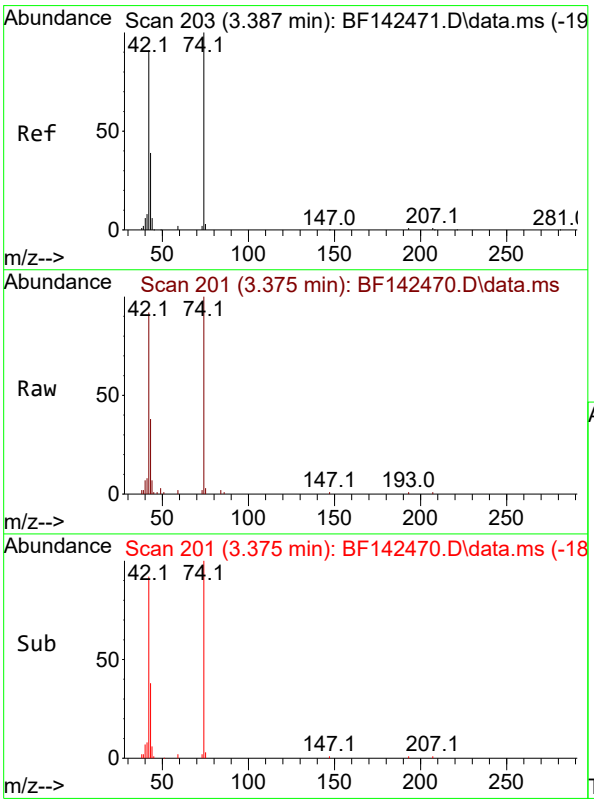
#3
Pyridine
Concen: 20.039 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 114685

Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.2	103.8
51	42.3	33.3	49.9

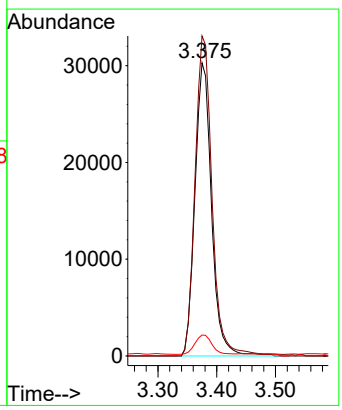


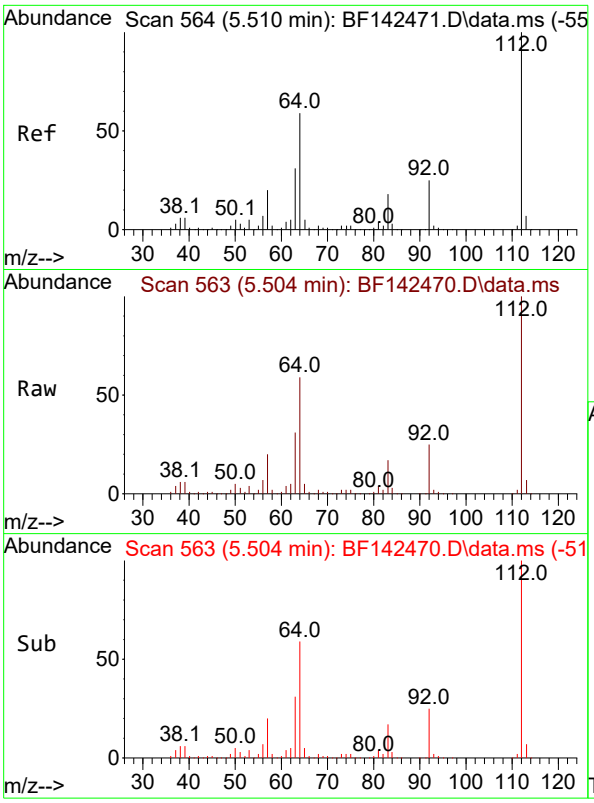


#4
n-Nitrosodimethylamine
Concen: 19.972 ng
RT: 3.375 min Scan# 201
Delta R.T. -0.029 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 42 Resp: 59347

Ion	Ratio	Lower	Upper
42	100		
74	109.2	88.2	132.4
44	7.2	5.4	8.2



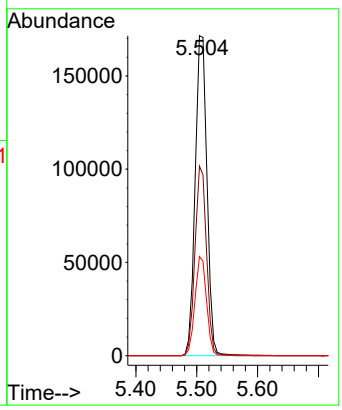


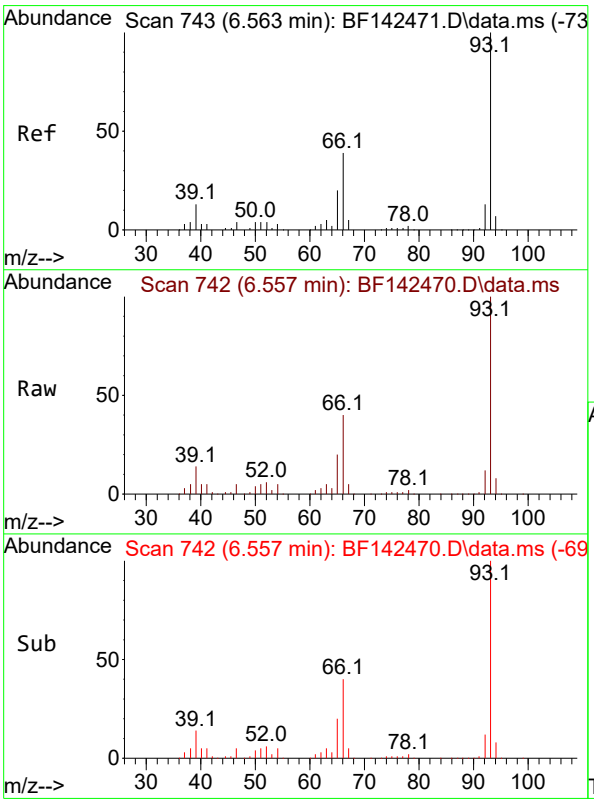
#5
2-Fluorophenol
Concen: 41.261 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 231731

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.5	71.3
63	31.0	24.9	37.3

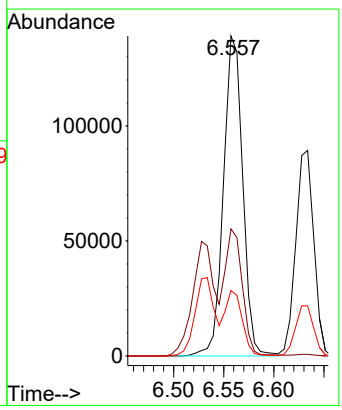


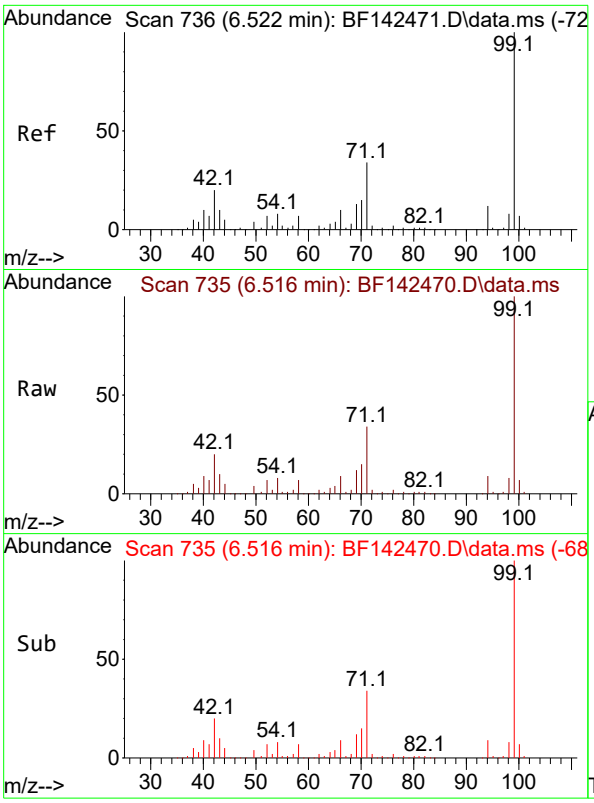


#6
Aniline
Concen: 20.437 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 93 Resp: 185773

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.0	48.0
65	20.5	16.1	24.1



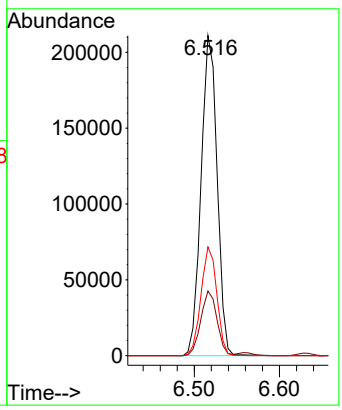


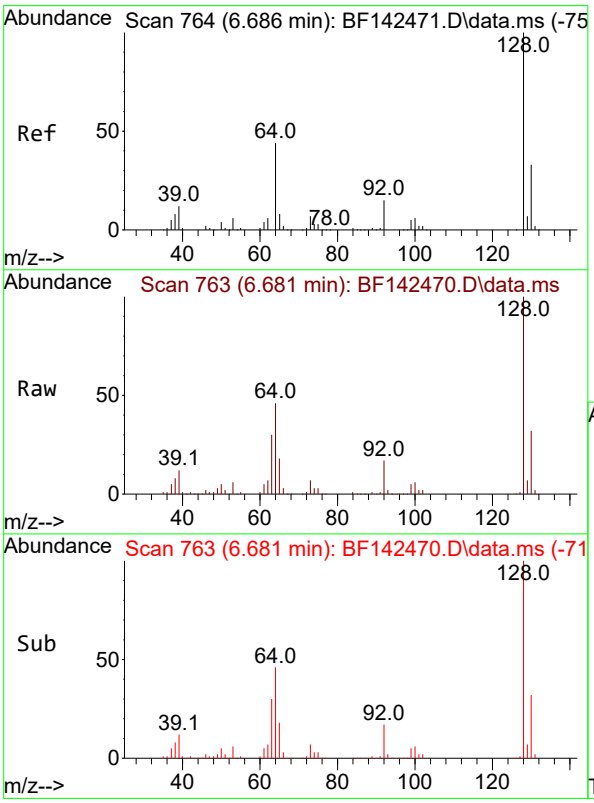
#7
Phenol-d6
Concen: 40.843 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 276122

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.0	27.3	40.9

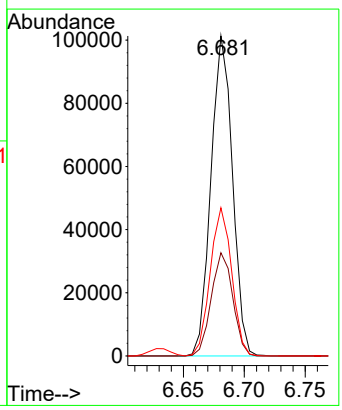


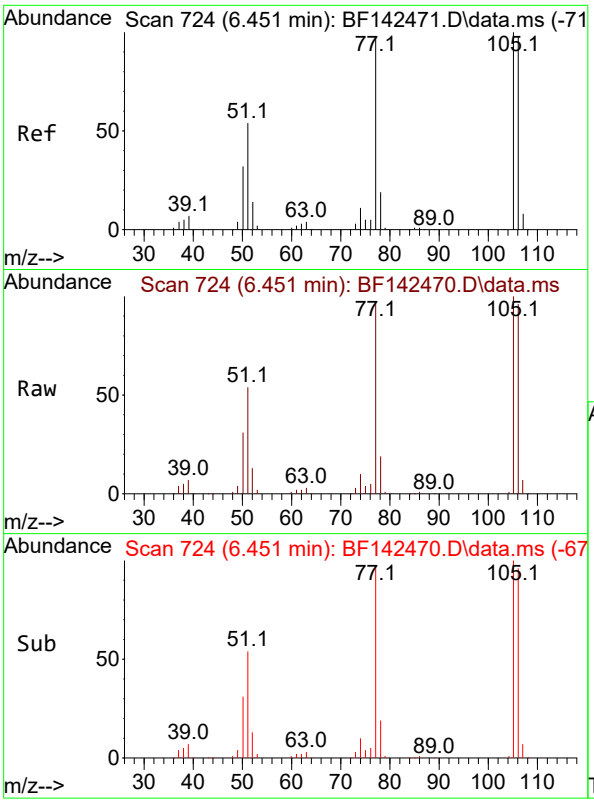


#8
2-Chlorophenol
Concen: 20.347 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:128 Resp: 124465

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	46.3	25.1	65.1



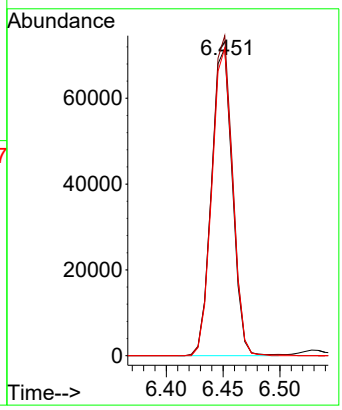


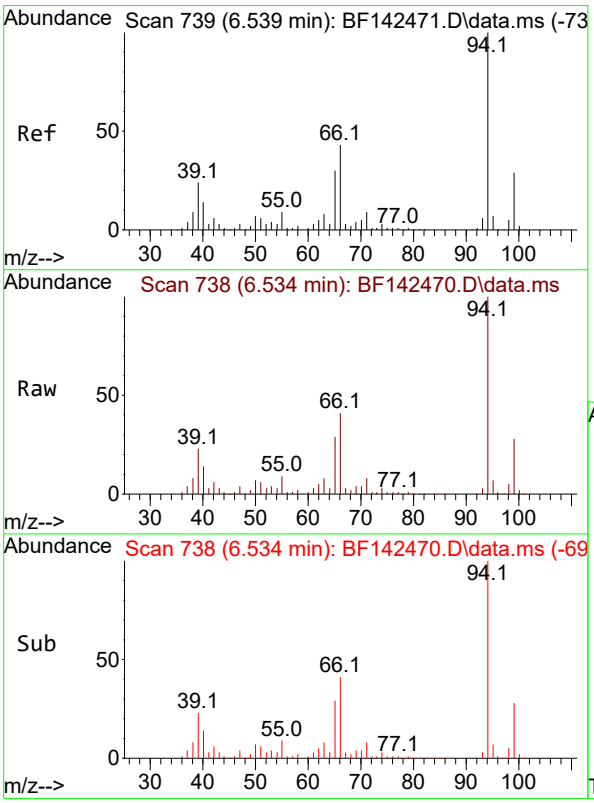
#9
Benzaldehyde
Concen: 22.548 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 91686

Ion	Ratio	Lower	Upper
77	100		
105	104.1	82.5	122.5
106	100.0	80.0	120.0

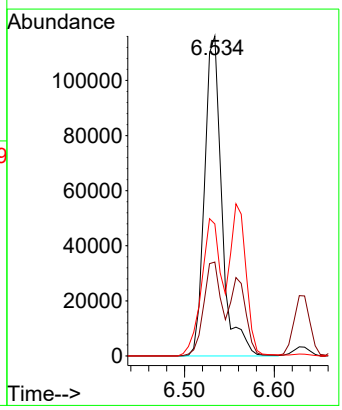


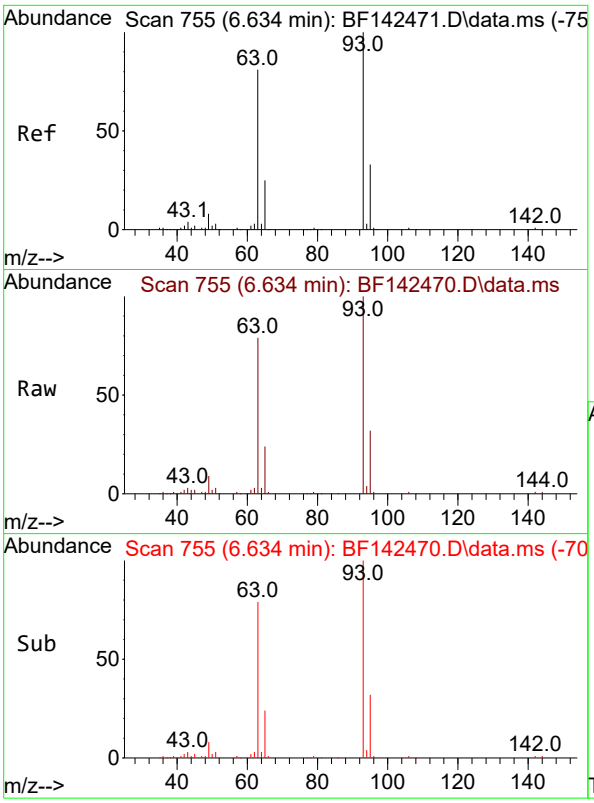


#10
Phenol
Concen: 20.479 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 94 Resp: 155782

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.3	50.3
66	41.2	22.6	62.6



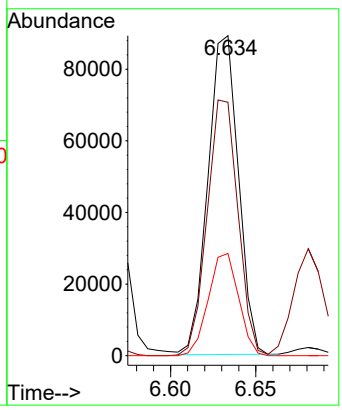


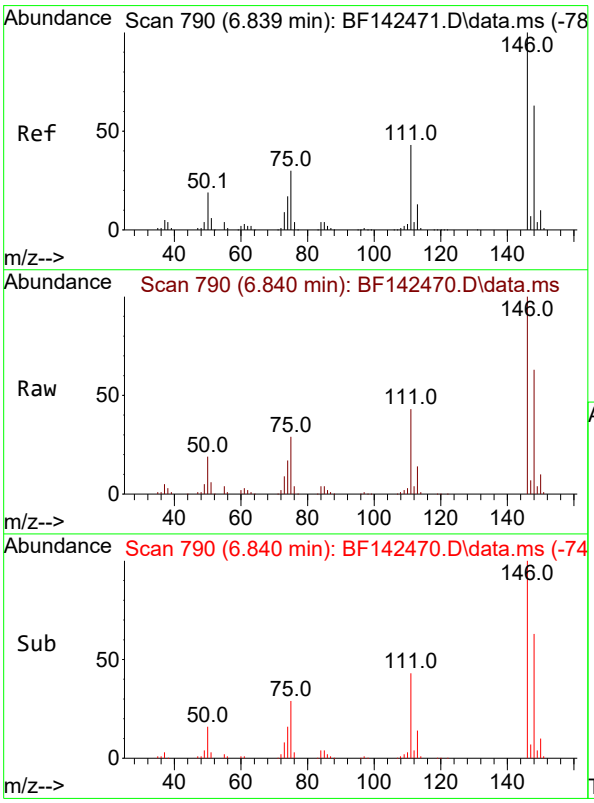
#11
bis(2-Chloroethyl)ether
Concen: 20.187 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 110538

Ion	Ratio	Lower	Upper
93	100		
63	79.2	60.2	100.2
95	32.0	12.3	52.3

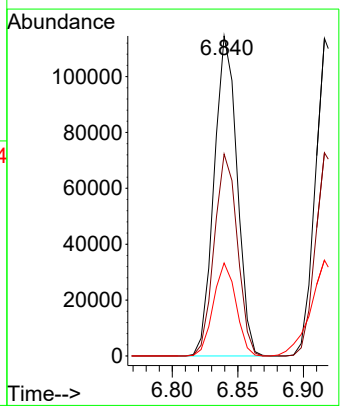


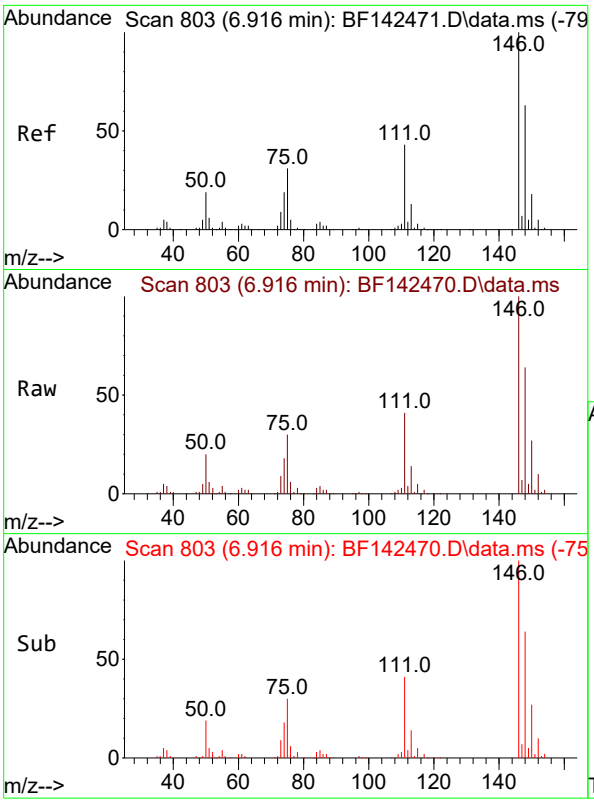


#12
1,3-Dichlorobenzene
Concen: 20.414 ng
RT: 6.840 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:146 Resp: 139347

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	75.8
75	29.0	23.8	35.6



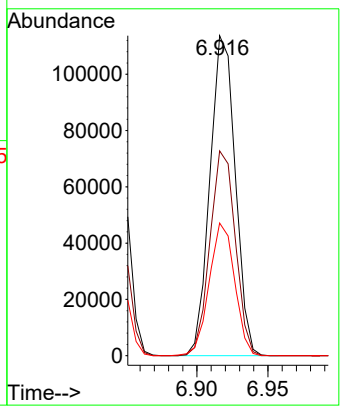


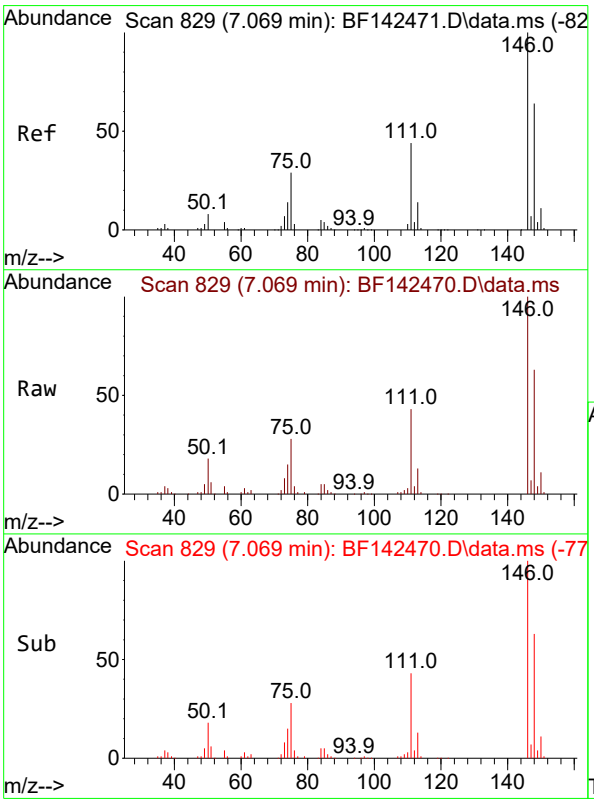
#13
1,4-Dichlorobenzene
Concen: 20.515 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 141061

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.4	75.6
111	41.4	34.1	51.1

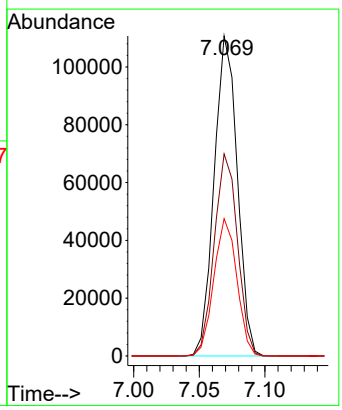


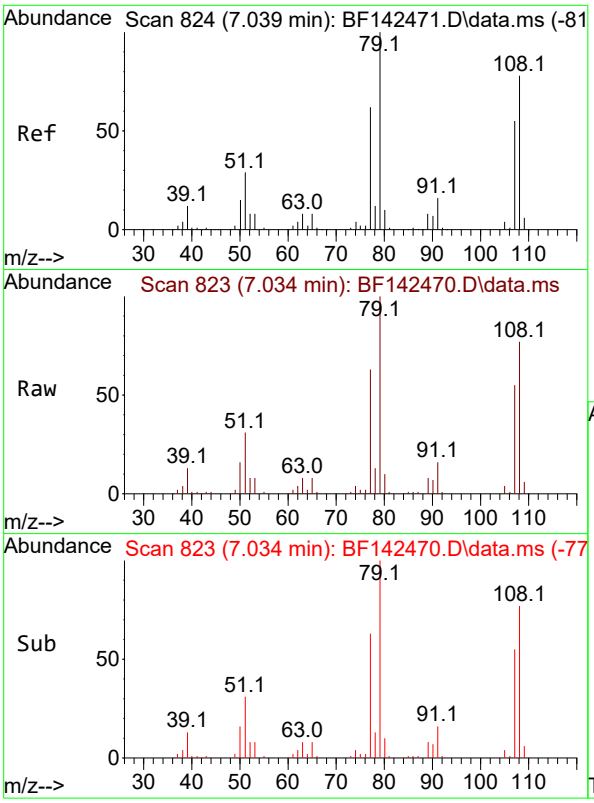


#14
1,2-Dichlorobenzene
Concen: 20.647 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:146 Resp: 135845

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.4
111	42.9	35.0	52.6



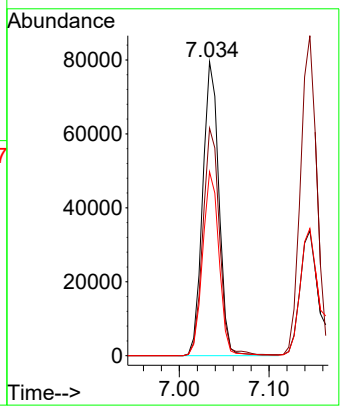


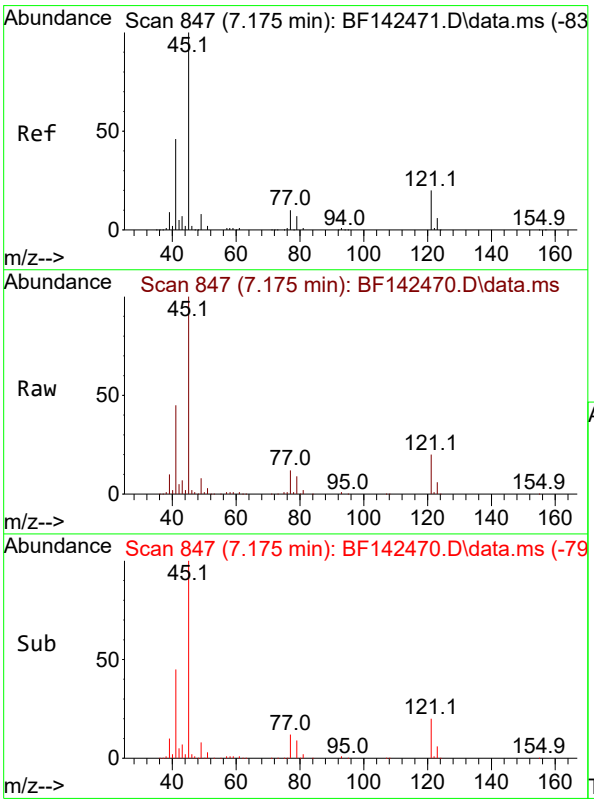
#15
Benzyl Alcohol
Concen: 20.030 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 100072

Ion	Ratio	Lower	Upper
79	100		
108	77.4	62.1	93.1
77	62.5	49.5	74.3

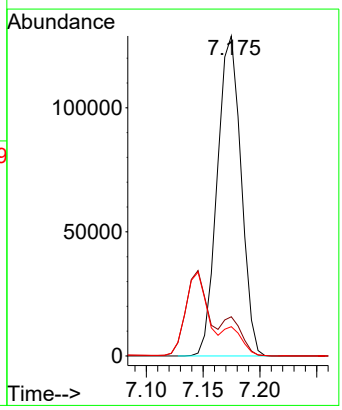


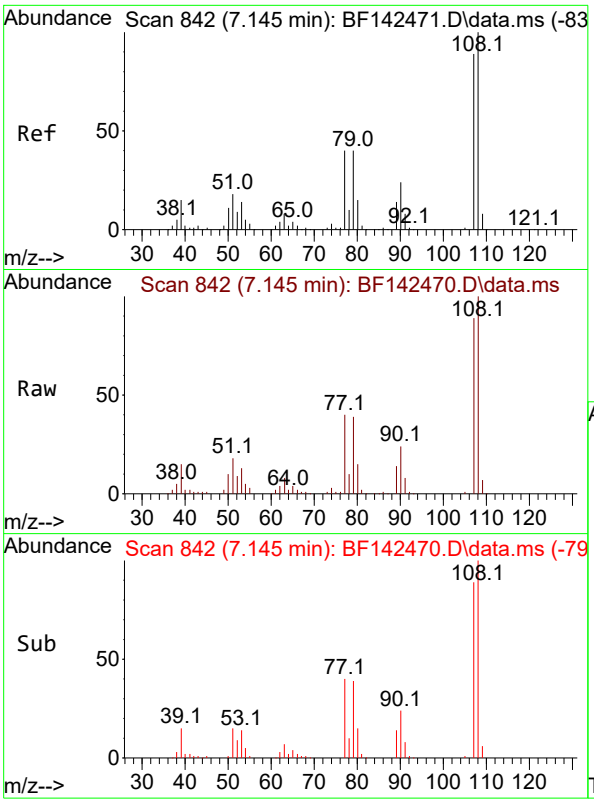


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.408 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 45 Resp: 187668

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	32.0
79	9.2	0.0	29.2



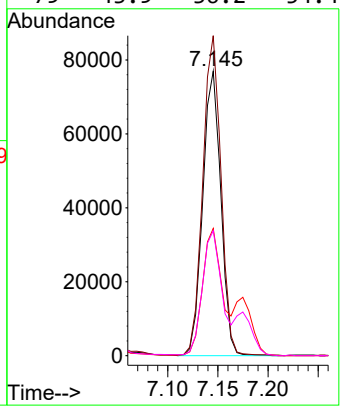


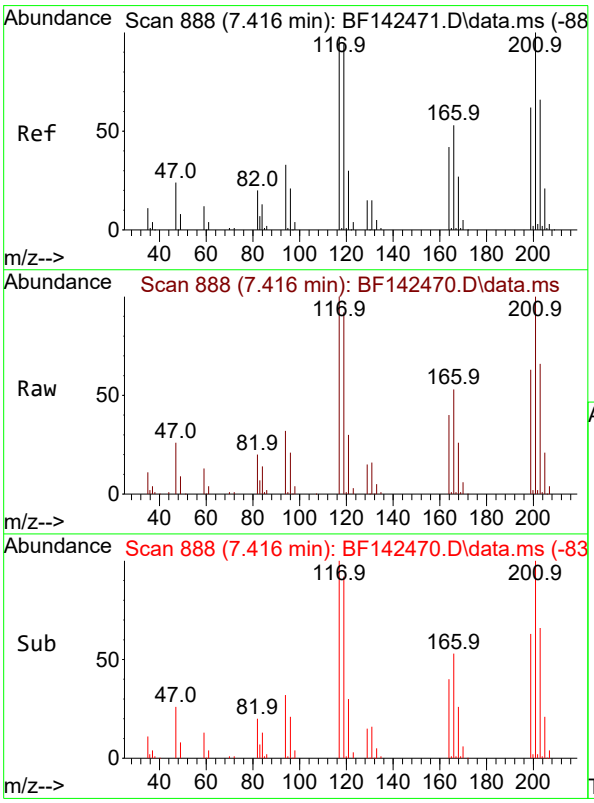
#17
2-Methylphenol
Concen: 20.326 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 97077

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.2	135.2
77	44.7	36.1	54.1
79	43.9	36.2	54.4

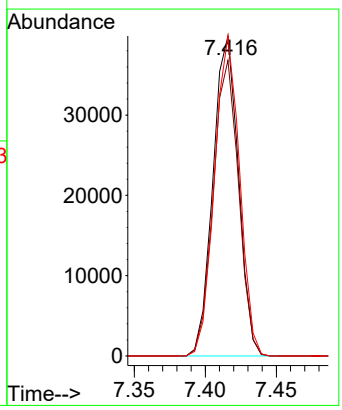


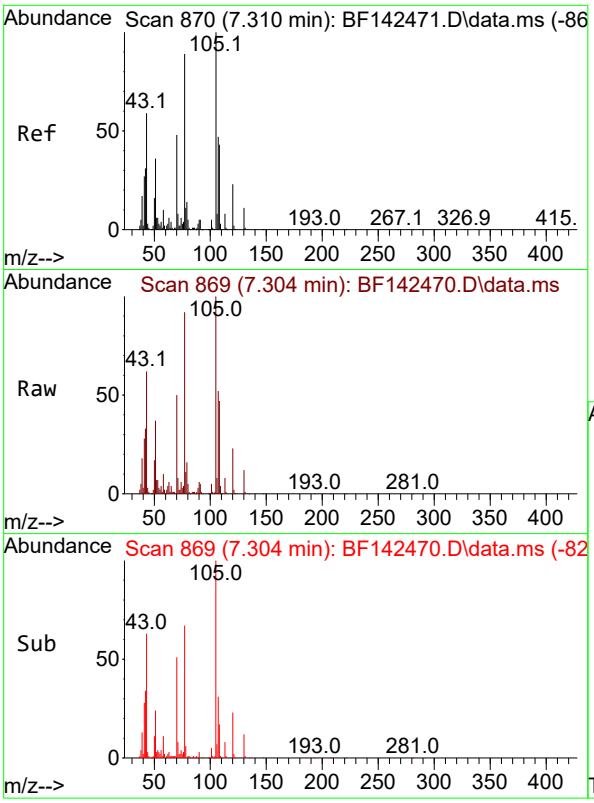


#18
Hexachloroethane
Concen: 20.617 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:117 Resp: 49500

Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.6	114.8
201	99.9	81.3	121.9



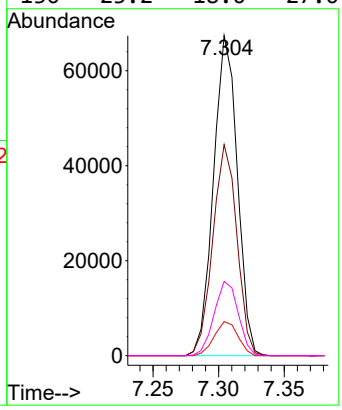


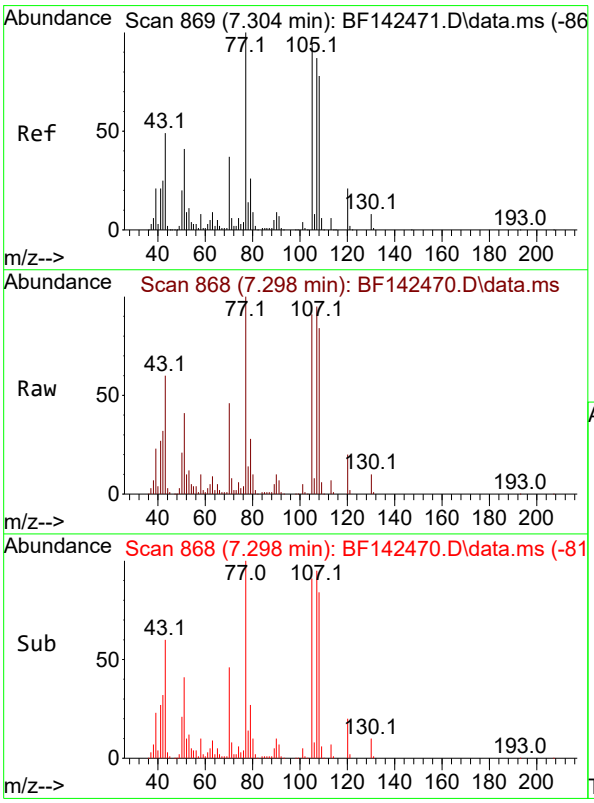
#19
n-Nitroso-di-n-propylamine
Concen: 20.328 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 85172

Ion	Ratio	Lower	Upper
70	100		
42	66.0	52.4	78.6
101	10.7	7.8	11.8
130	23.2	18.0	27.0

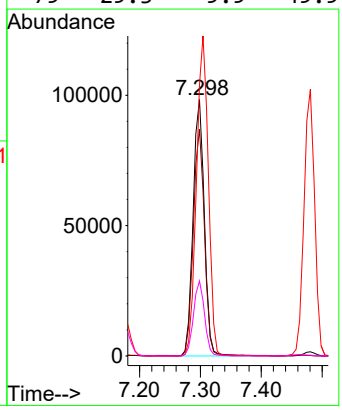


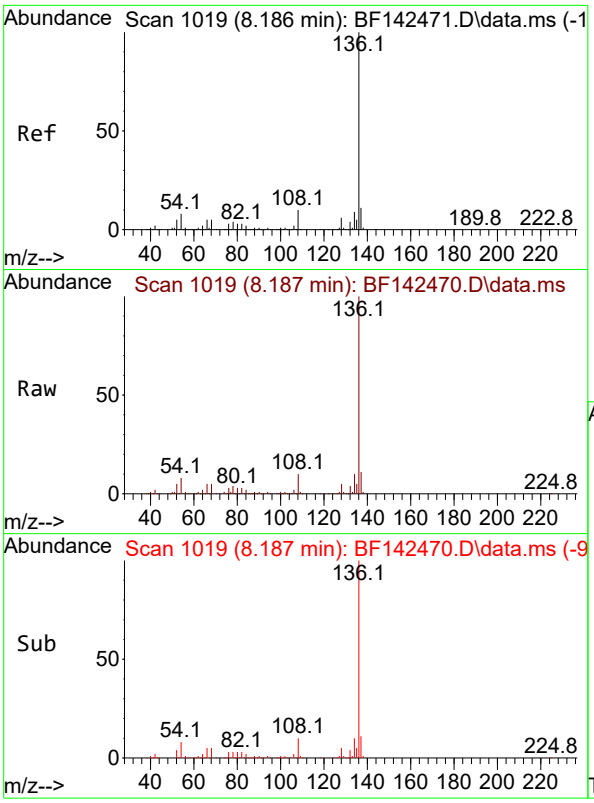


#20
3+4-Methylphenols
Concen: 20.685 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:107 Resp: 126511

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.4	110.4
77	105.7	95.4	135.4
79	29.3	9.9	49.9



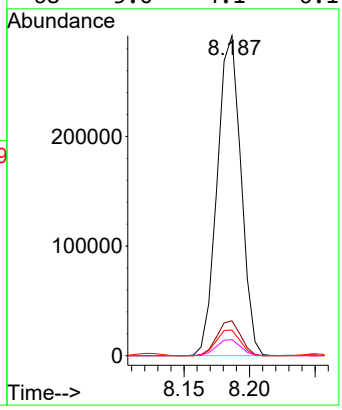


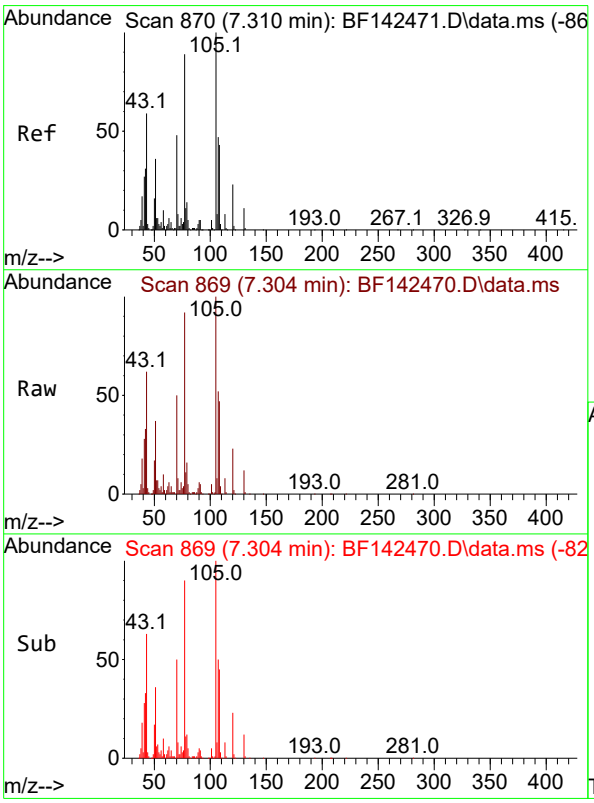
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 367495

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	6.6	10.0
68	5.0	4.1	6.1

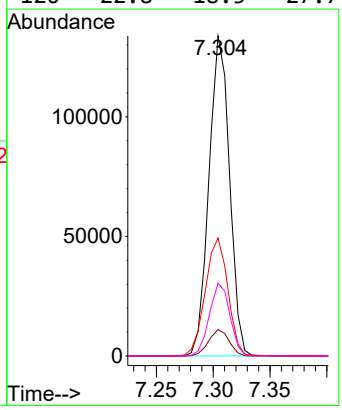


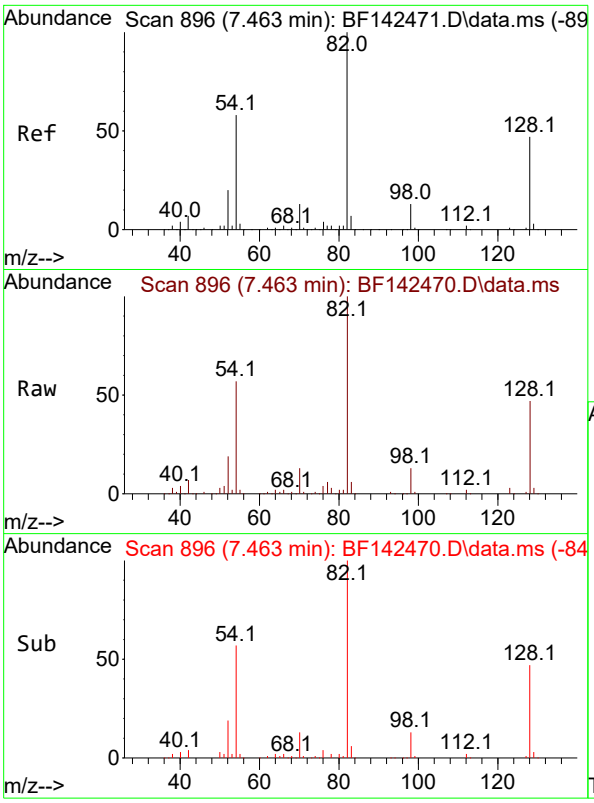


#22
Acetophenone
Concen: 20.741 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:105 Resp: 168730

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.4	9.6
51	36.9	28.6	42.8
120	22.8	18.5	27.7



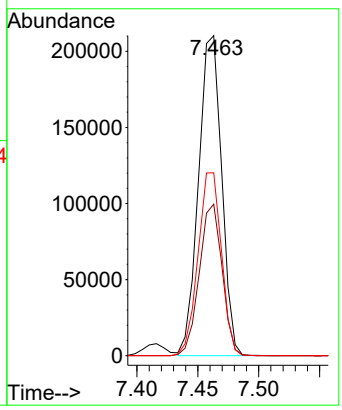


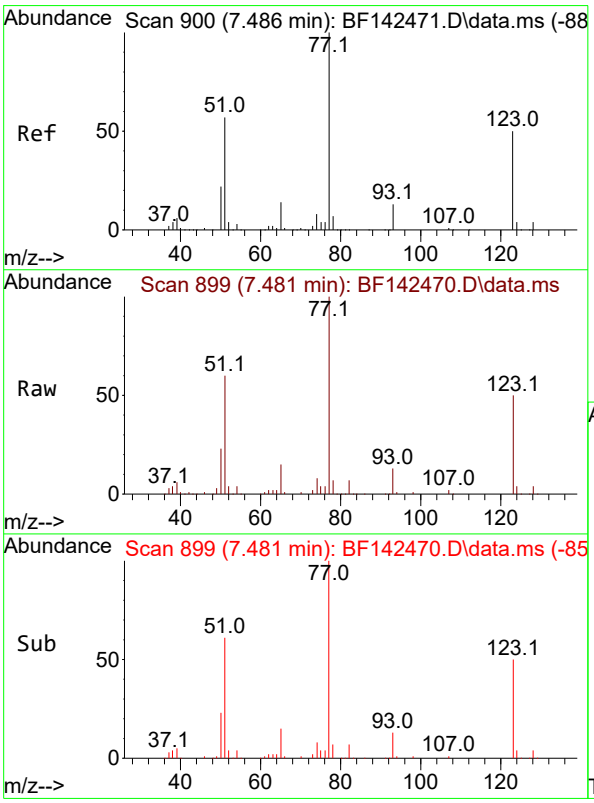
#23
Nitrobenzene-d5
Concen: 41.326 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 278514

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.4	56.2
54	57.2	46.6	70.0

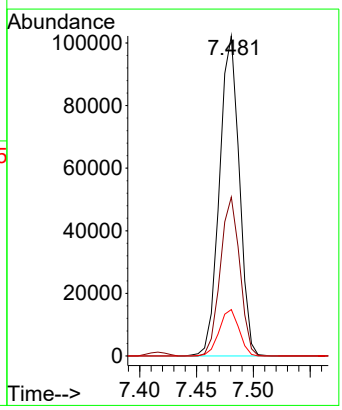


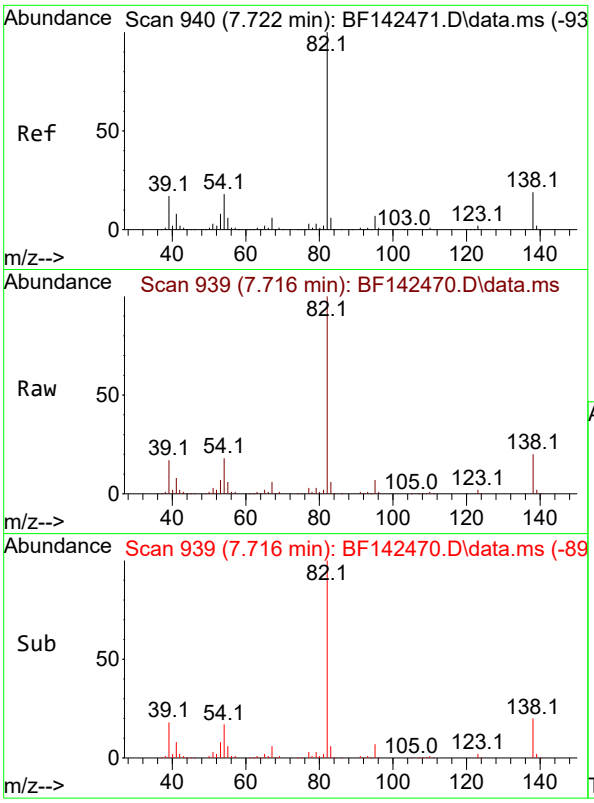


#24
Nitrobenzene
Concen: 20.433 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 77 Resp: 124202

Ion	Ratio	Lower	Upper
77	100		
123	49.6	40.6	61.0
65	14.5	11.4	17.2



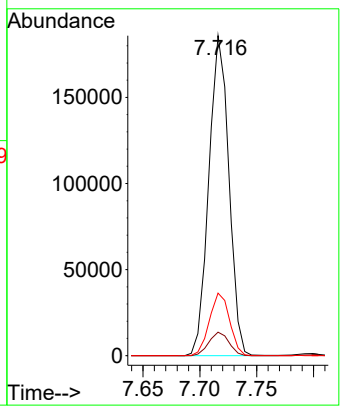


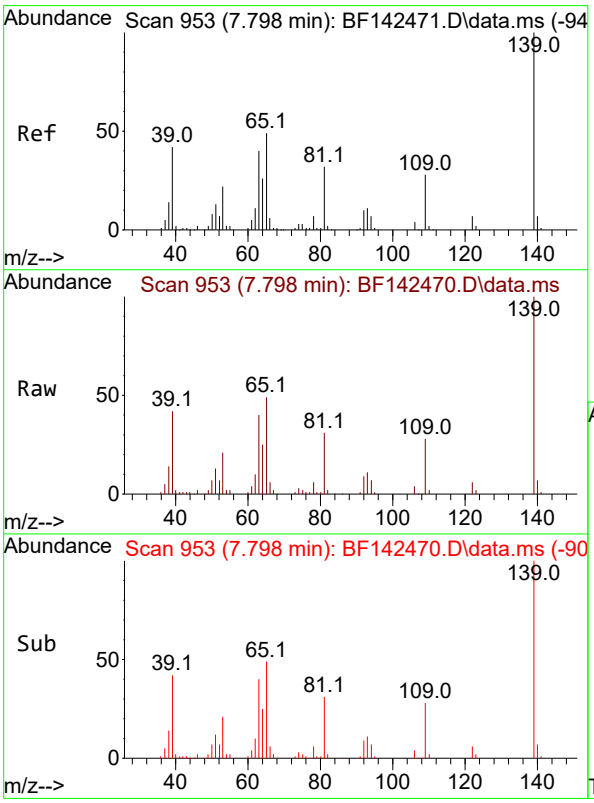
#25
Isophorone
Concen: 20.225 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 227891

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.0	9.0
138	19.6	15.5	23.3

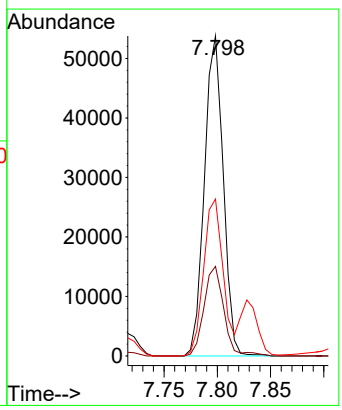


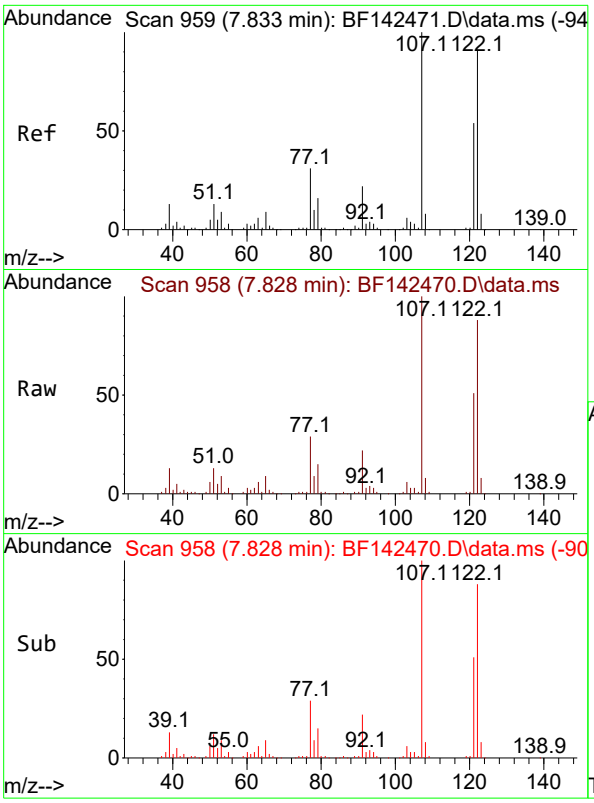


#26
2-Nitrophenol
Concen: 20.361 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:139 Resp: 66130

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.6	33.8
65	49.1	39.4	59.0



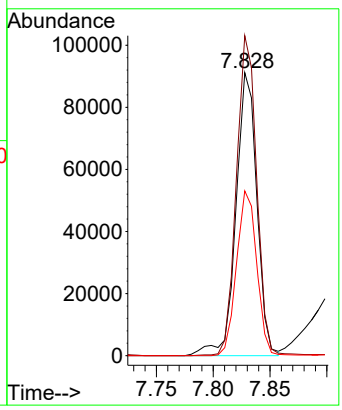


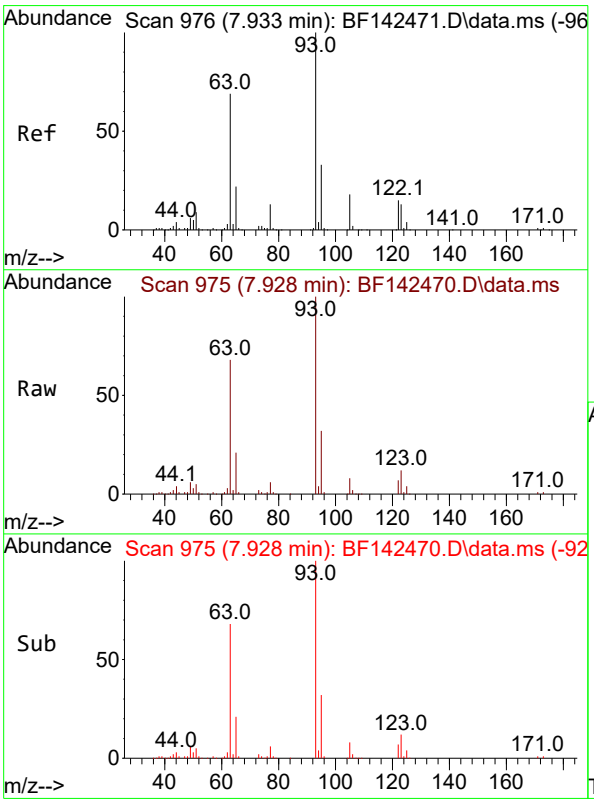
#27
2,4-Dimethylphenol
Concen: 20.412 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 116913

Ion	Ratio	Lower	Upper
122	100		
107	113.0	88.1	132.1
121	58.2	47.3	70.9

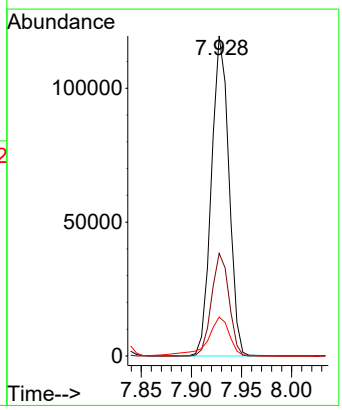


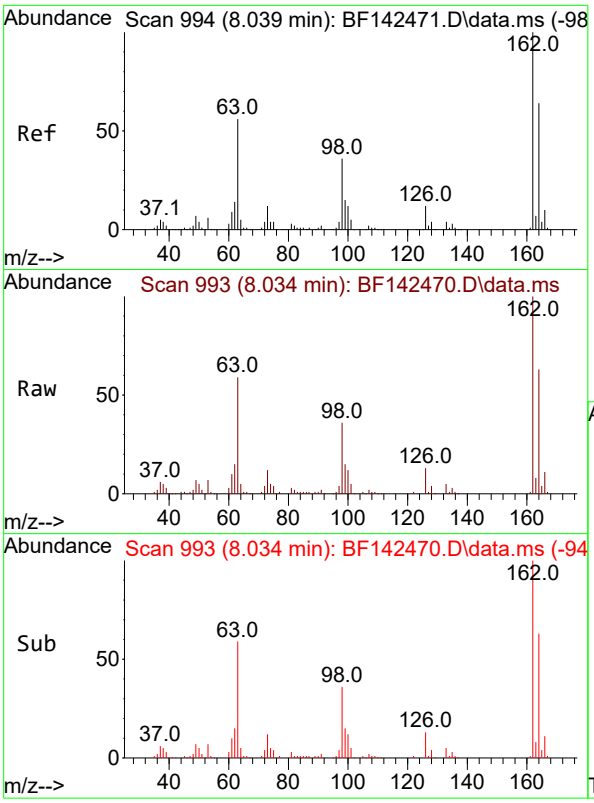


#28
bis(2-Chloroethoxy)methane
Concen: 20.593 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 93 Resp: 144952

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.4	39.6
123	12.2	10.6	15.8



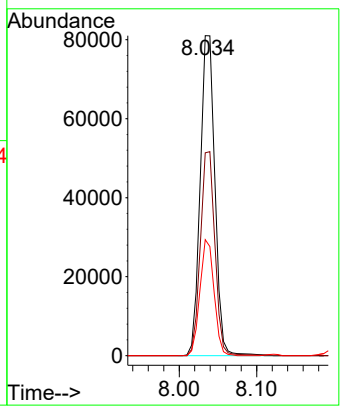


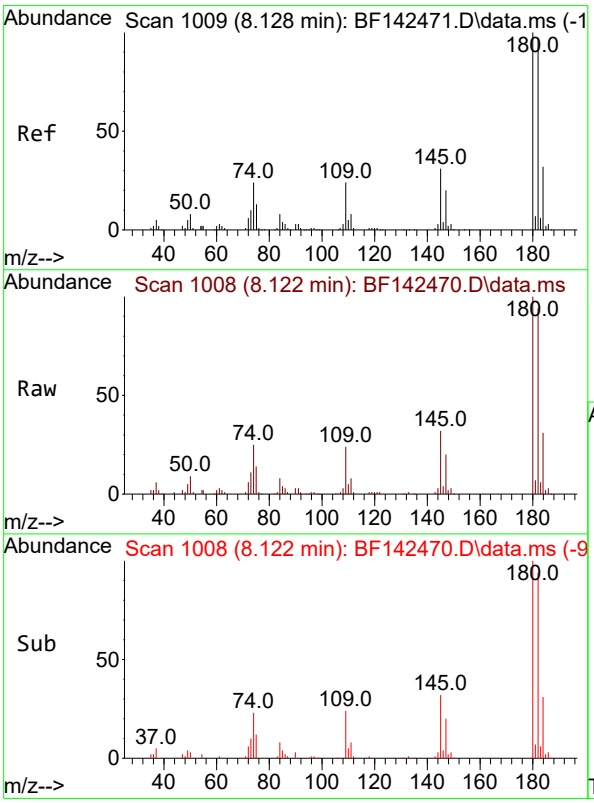
#29
2,4-Dichlorophenol
Concen: 20.462 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 106584

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.7	83.7
98	36.3	15.5	55.5

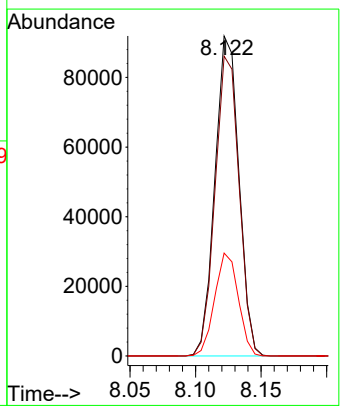


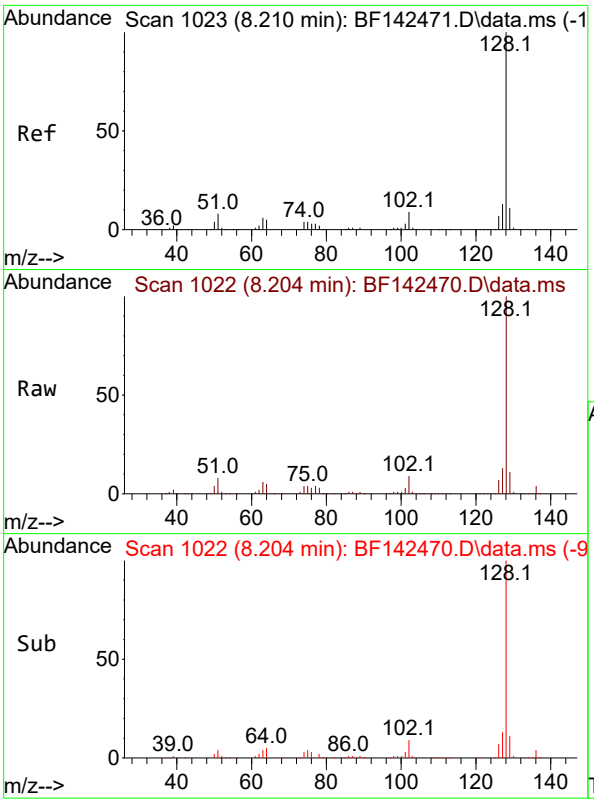


#30
1,2,4-Trichlorobenzene
Concen: 20.638 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:180 Resp: 116666

Ion	Ratio	Lower	Upper
180	100		
182	93.7	78.0	117.0
145	32.2	25.0	37.6



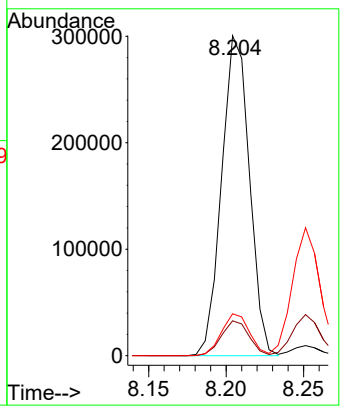


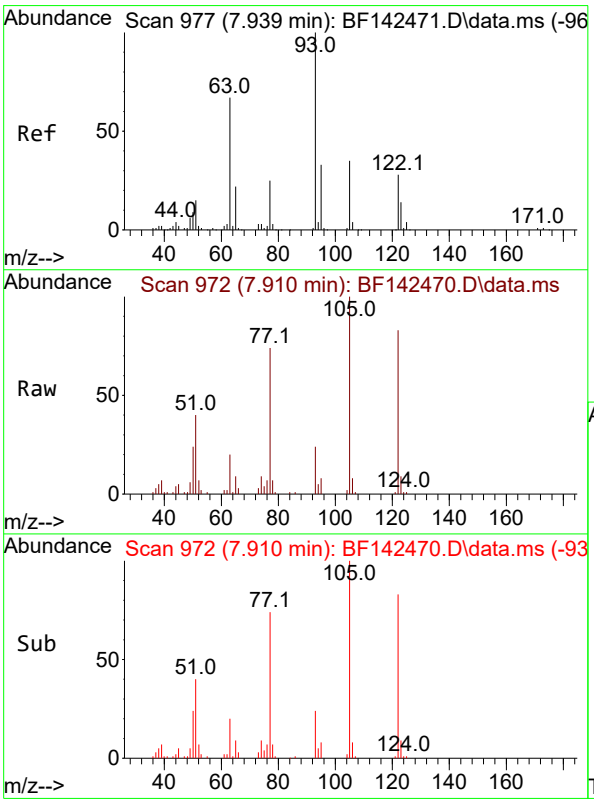
#31
Naphthalene
Concen: 20.713 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 374799

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.1	10.5	15.7

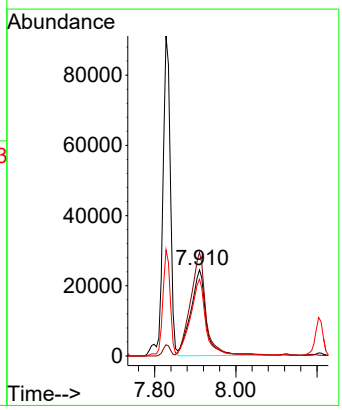


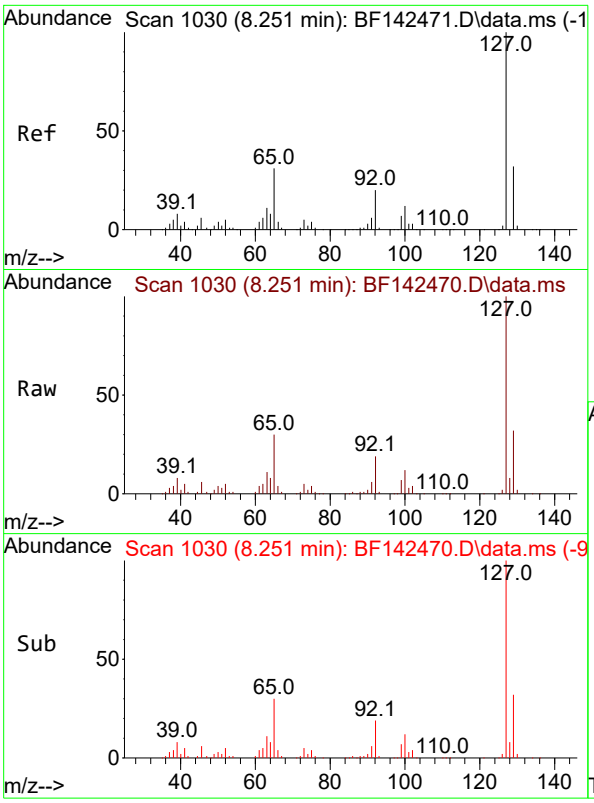


#32
Benzoic acid
Concen: 18.586 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.065 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:122 Resp: 64801

Ion	Ratio	Lower	Upper
122	100		
105	120.5	101.7	141.7
77	89.3	69.5	109.5



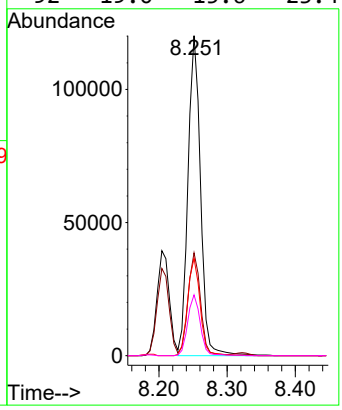


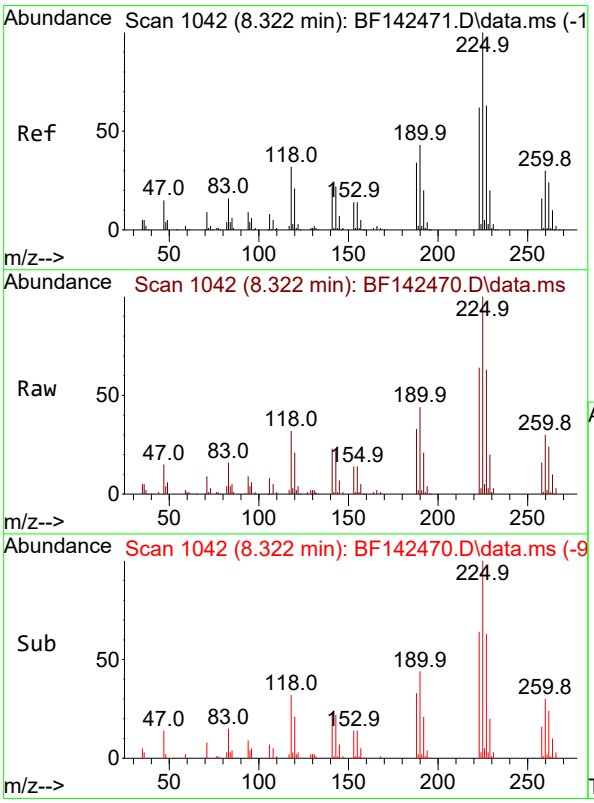
#33
4-Chloroaniline
Concen: 20.853 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 152901

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	30.4	24.9	37.3
92	19.0	15.6	23.4

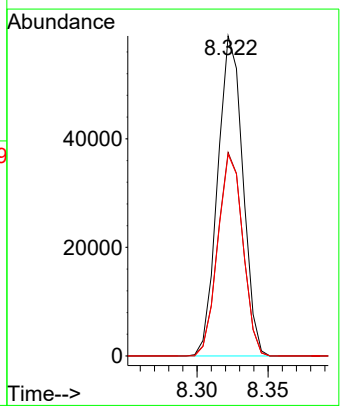


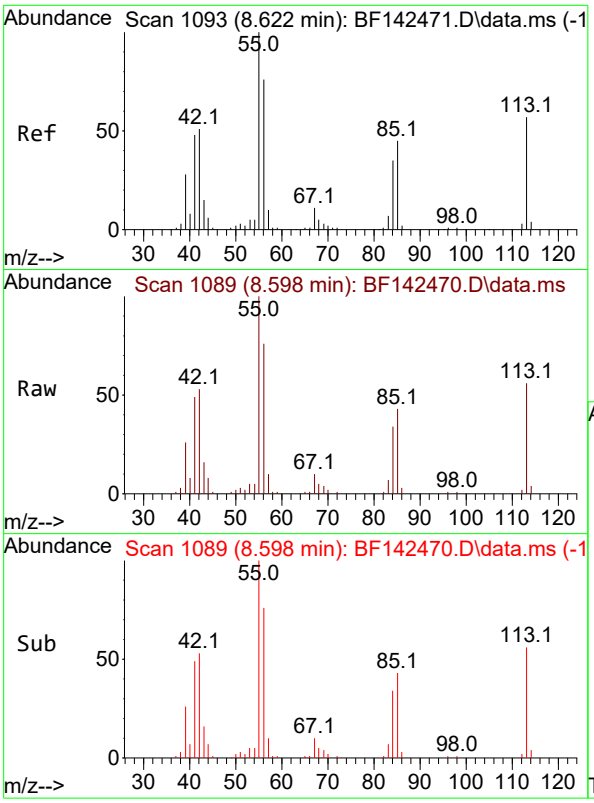


#34
Hexachlorobutadiene
Concen: 20.523 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:225 Resp: 72441

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.7	74.5
227	63.0	50.3	75.5



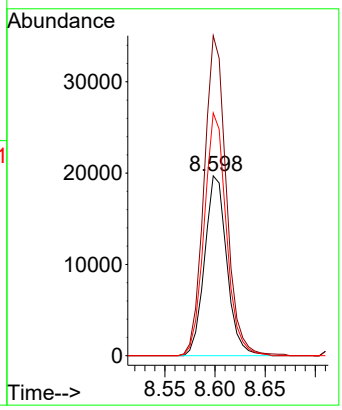


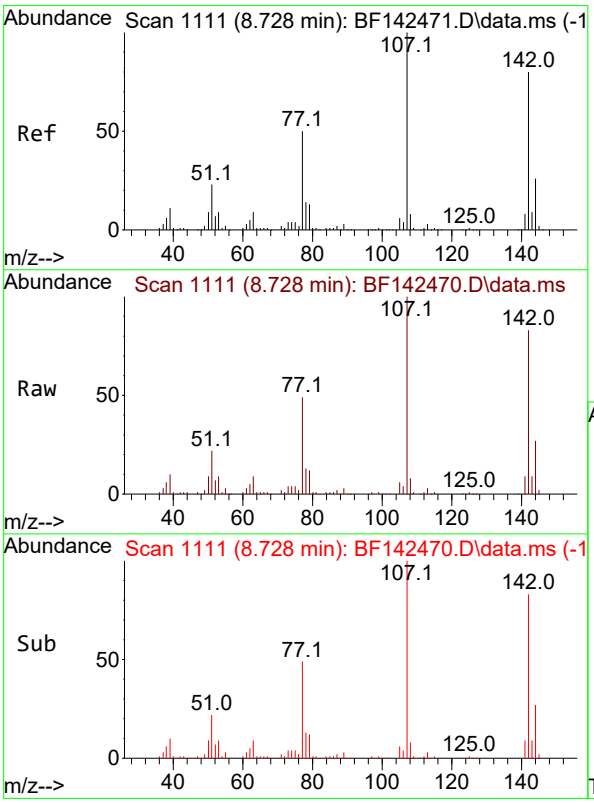
#35
Caprolactam
Concen: 20.762 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 30374

Ion	Ratio	Lower	Upper
113	100		
55	178.0	154.7	194.7
56	135.0	113.2	153.2

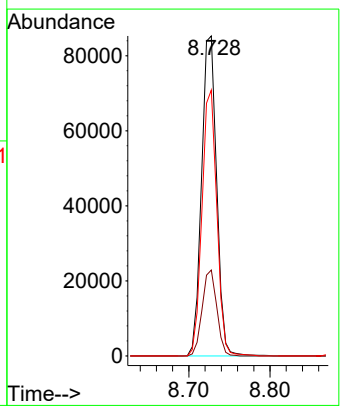


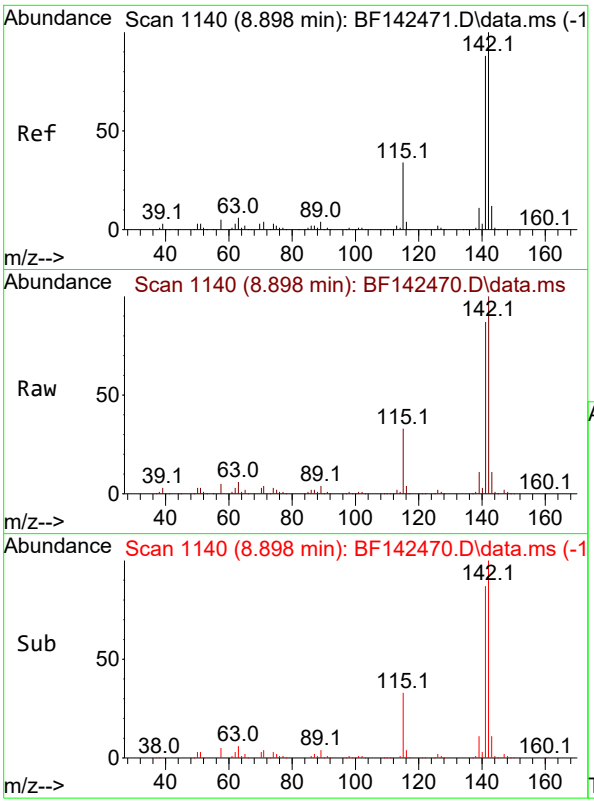


#36
4-Chloro-3-methylphenol
Concen: 20.567 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:107 Resp: 109793

Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.9	31.3
142	83.1	64.2	96.2



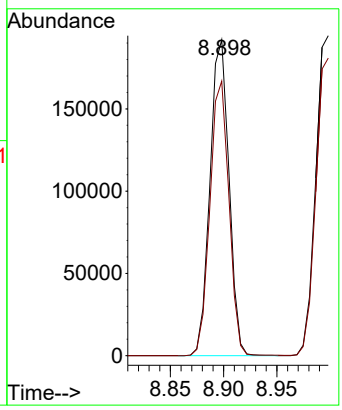


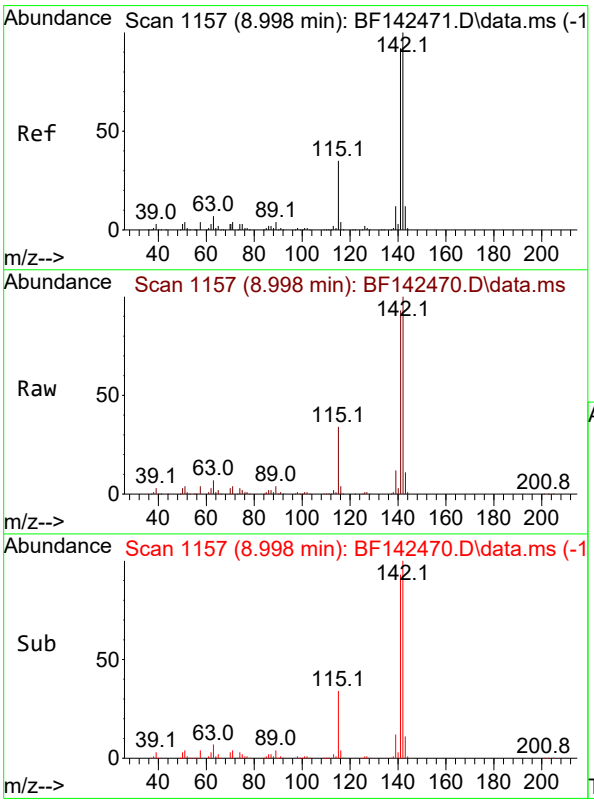
#37
2-Methylnaphthalene
Concen: 20.849 ng
RT: 8.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 237350

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.7	106.1

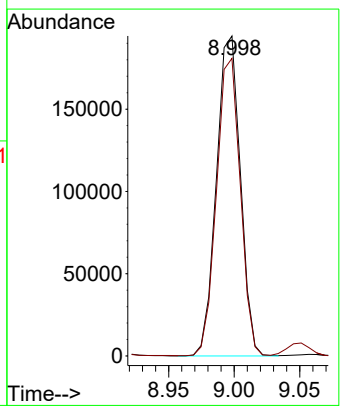


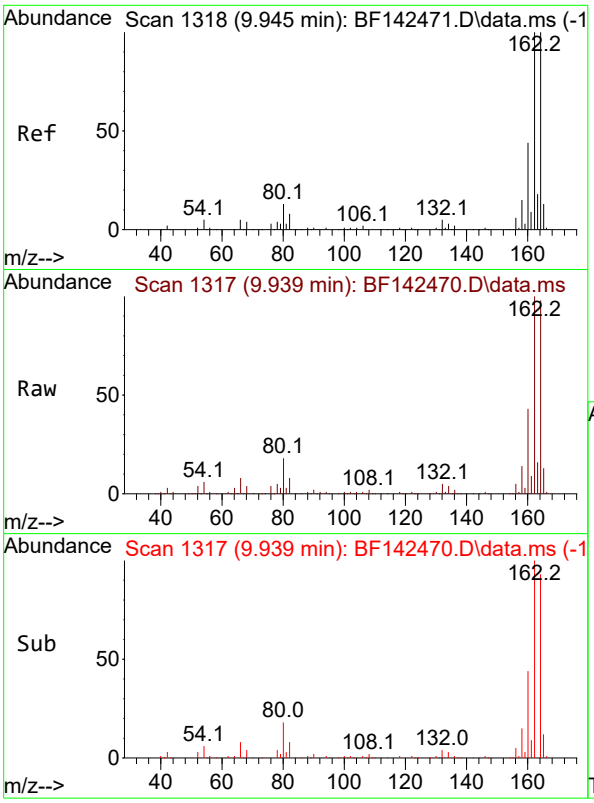


#38
1-Methylnaphthalene
Concen: 20.961 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:142 Resp: 246831

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.4	110.2



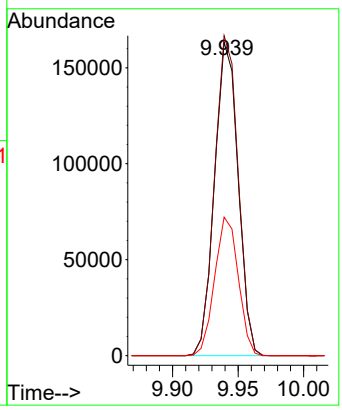


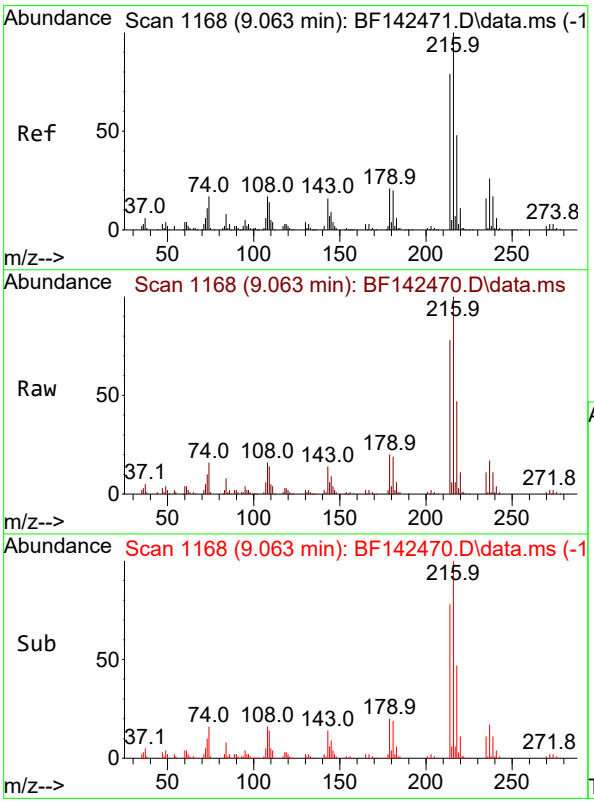
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 204113

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.4
160	44.2	35.6	53.4

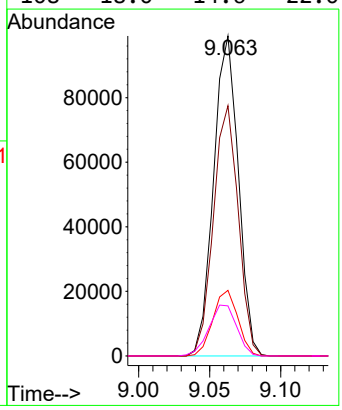


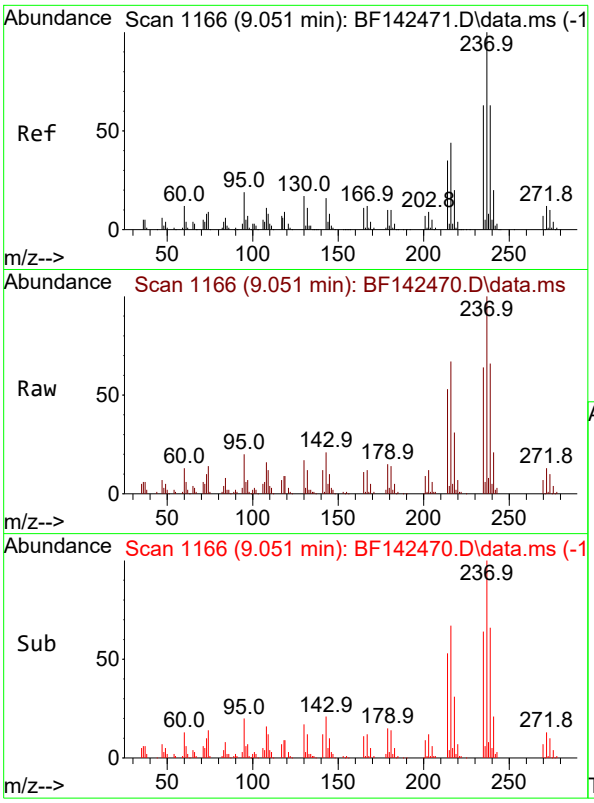


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.477 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:216 Resp: 119980

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.9	94.3
179	20.7	16.9	25.3
108	18.0	14.6	22.0



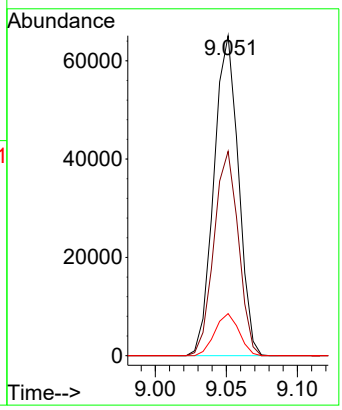


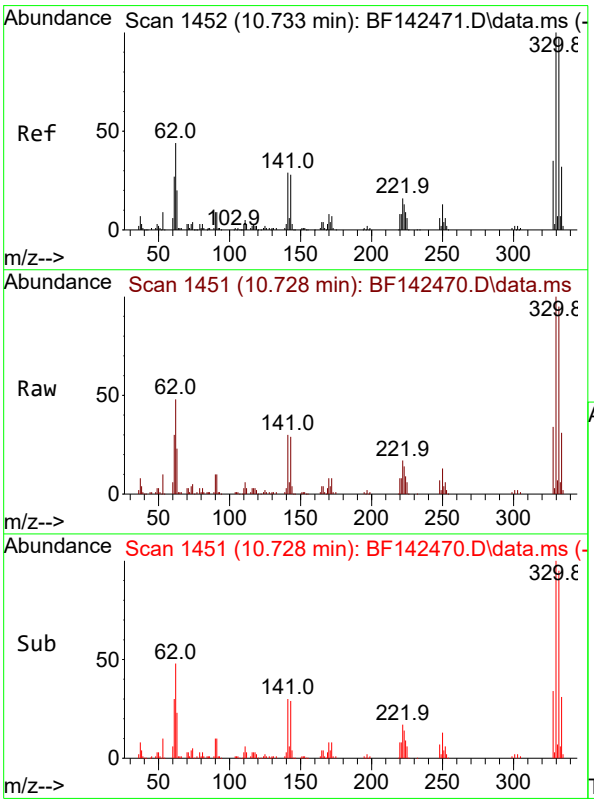
#41
Hexachlorocyclopentadiene
Concen: 19.796 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 78243

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.3	83.3
272	13.2	0.0	32.4

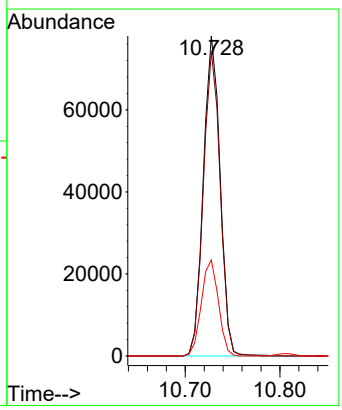


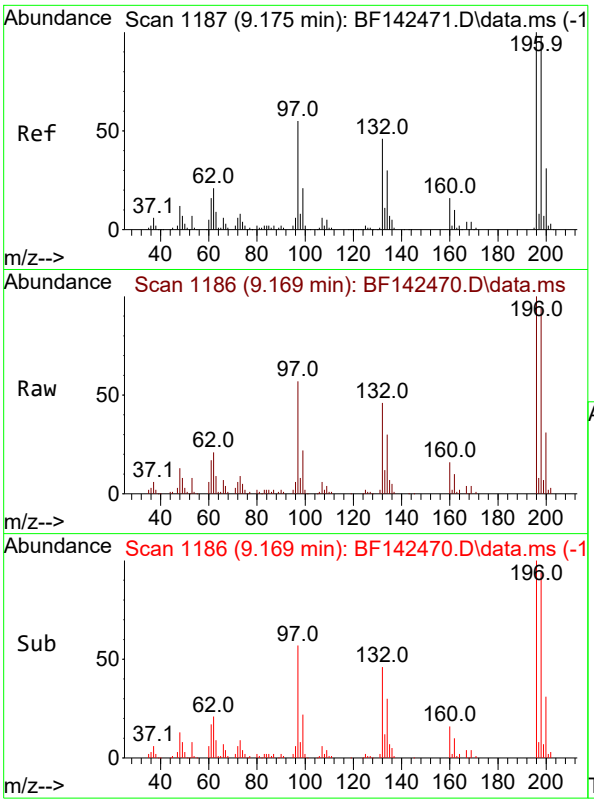


#42
2,4,6-Tribromophenol
Concen: 42.171 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:330 Resp: 95535

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.6	116.4
141	30.4	24.6	36.8



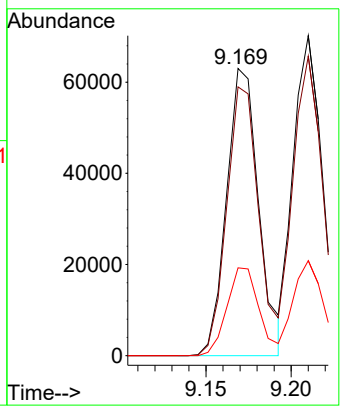


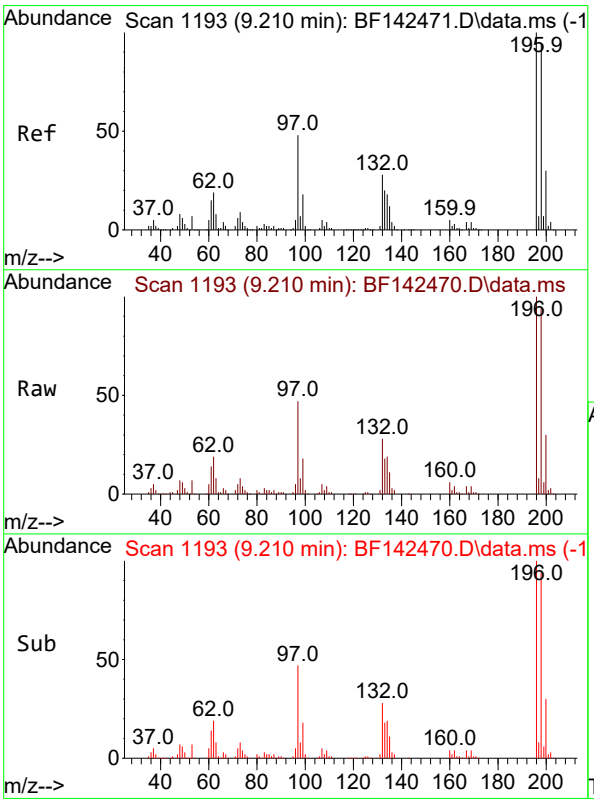
#43
2,4,6-Trichlorophenol
Concen: 20.971 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 82857

Ion	Ratio	Lower	Upper
196	100		
198	93.6	78.8	118.2
200	30.6	24.9	37.3

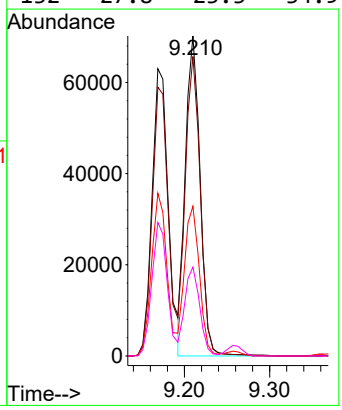


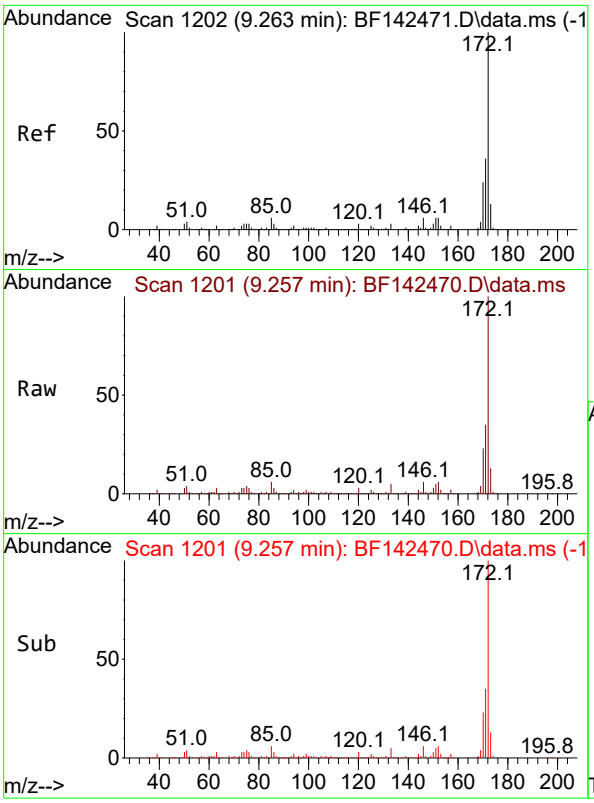


#44
2,4,5-Trichlorophenol
Concen: 20.383 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:196 Resp: 84935

Ion	Ratio	Lower	Upper
196	100		
198	93.6	75.5	113.3
97	46.8	39.3	58.9
132	27.8	23.3	34.9



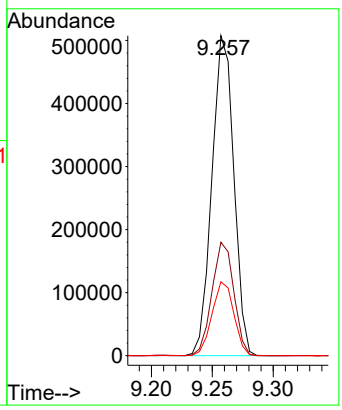


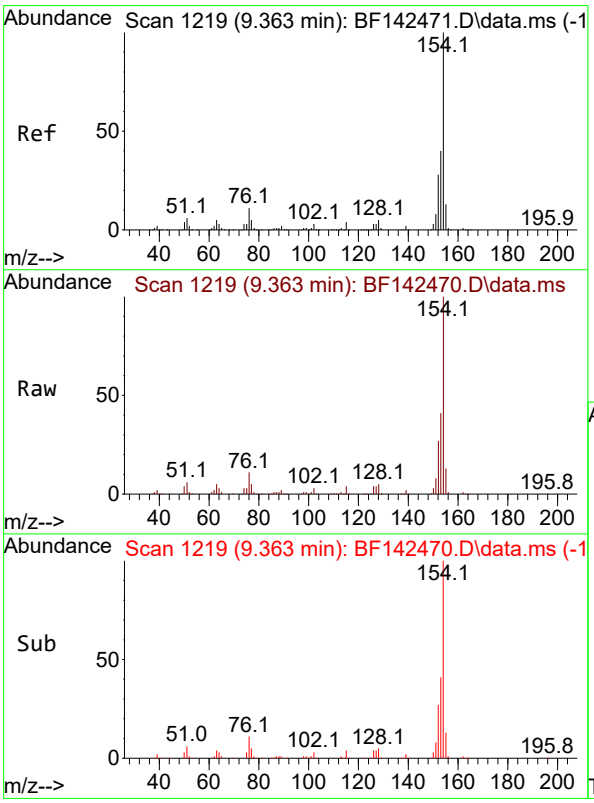
#45
2-Fluorobiphenyl
Concen: 41.799 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 635813

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.1	18.9	28.3

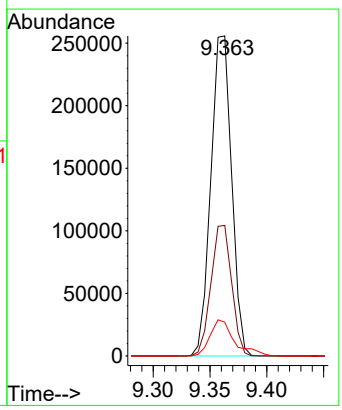


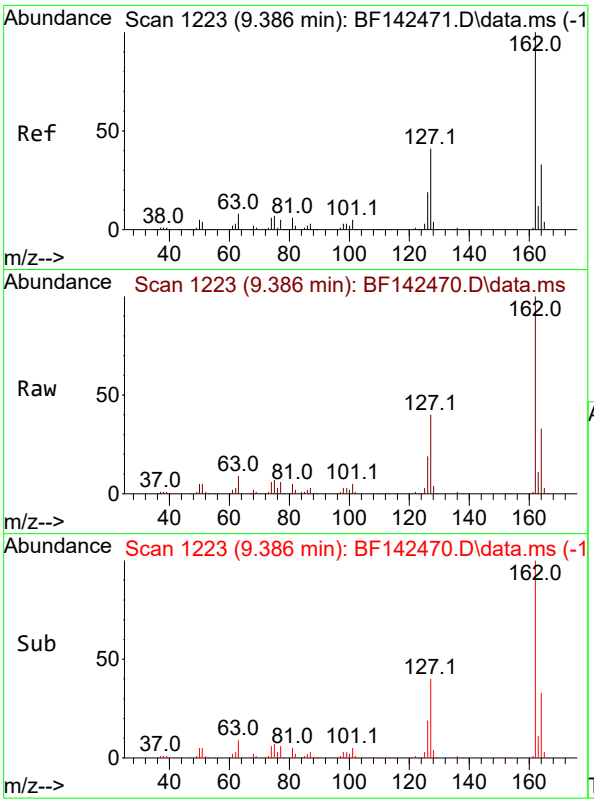


#46
1,1'-Biphenyl
Concen: 20.553 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:154 Resp: 325474

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	10.6	0.0	30.8



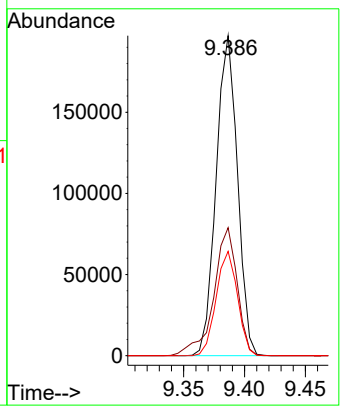


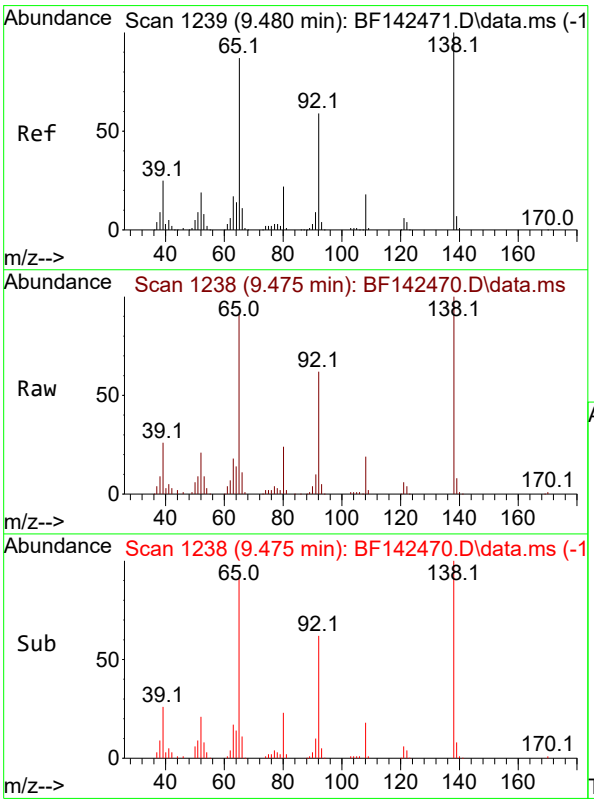
#47
2-Chloronaphthalene
Concen: 20.526 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 240148

Ion	Ratio	Lower	Upper
162	100		
127	40.0	33.5	50.3
164	32.6	26.1	39.1

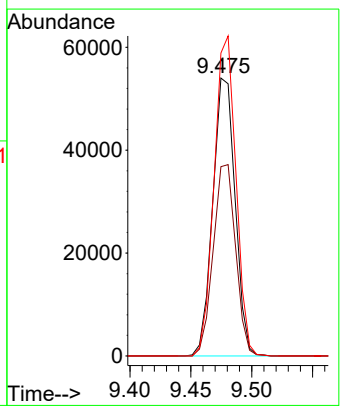


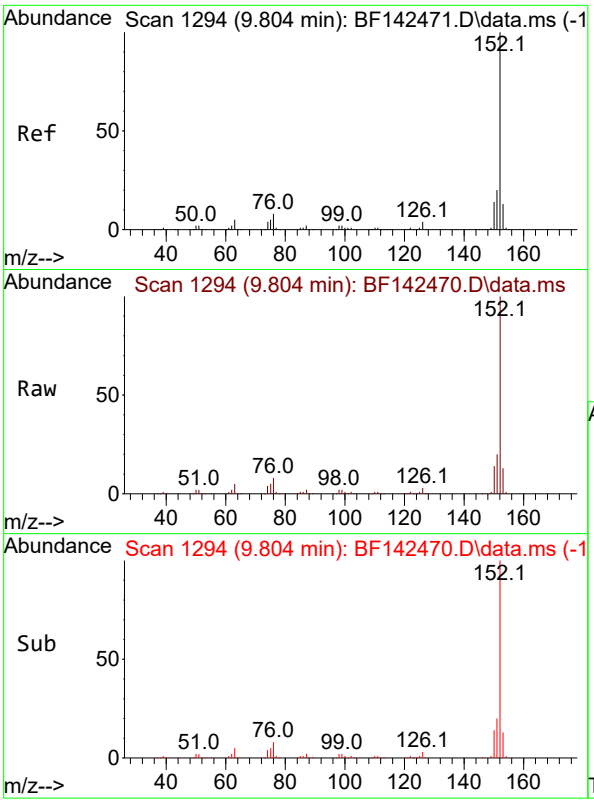


#48
2-Nitroaniline
Concen: 20.424 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion: 65 Resp: 69068

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	109.0	91.4	137.2



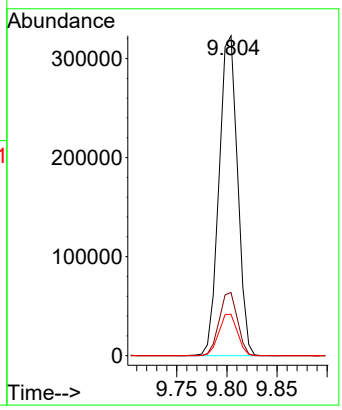


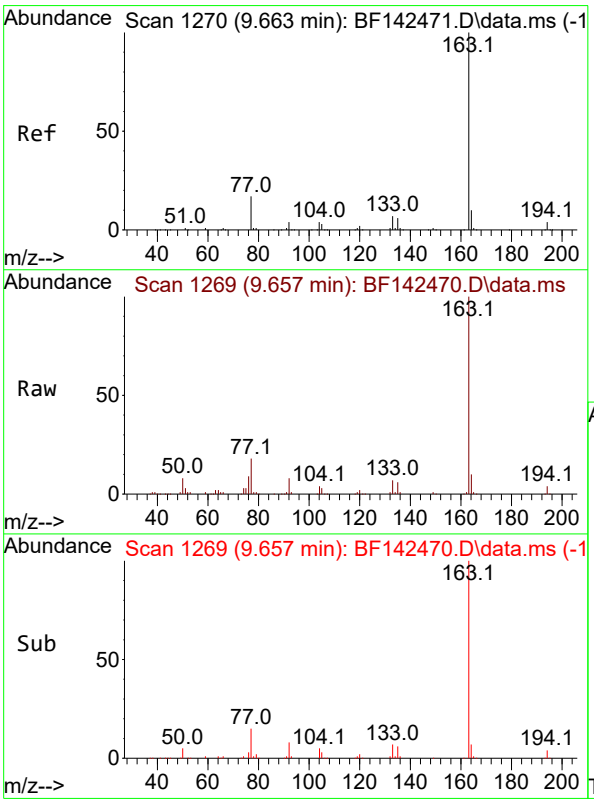
#49
Acenaphthylene
Concen: 20.945 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 413782

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.6	15.8

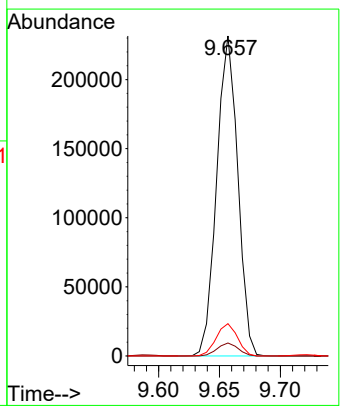


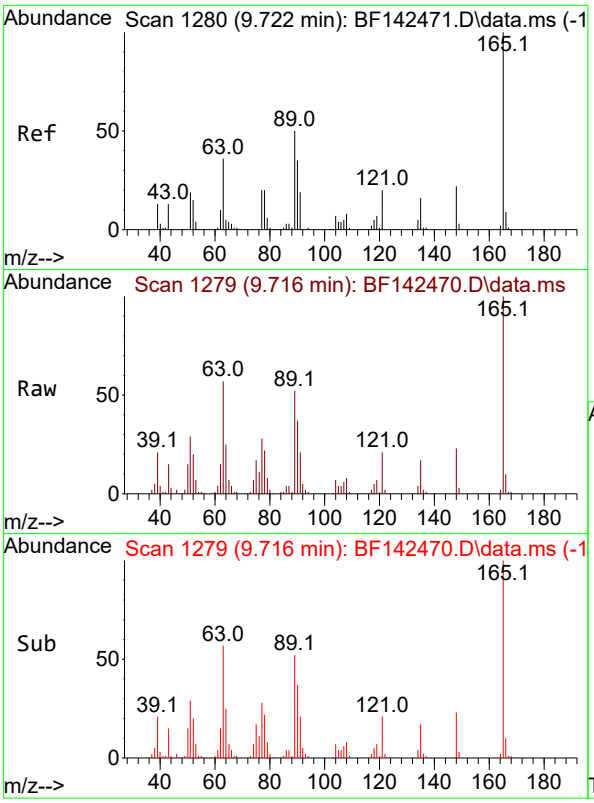


#50
Dimethylphthalate
Concen: 20.724 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:163 Resp: 279113

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4



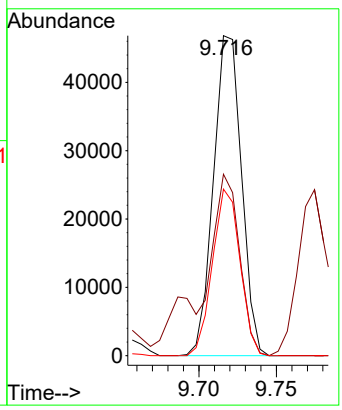


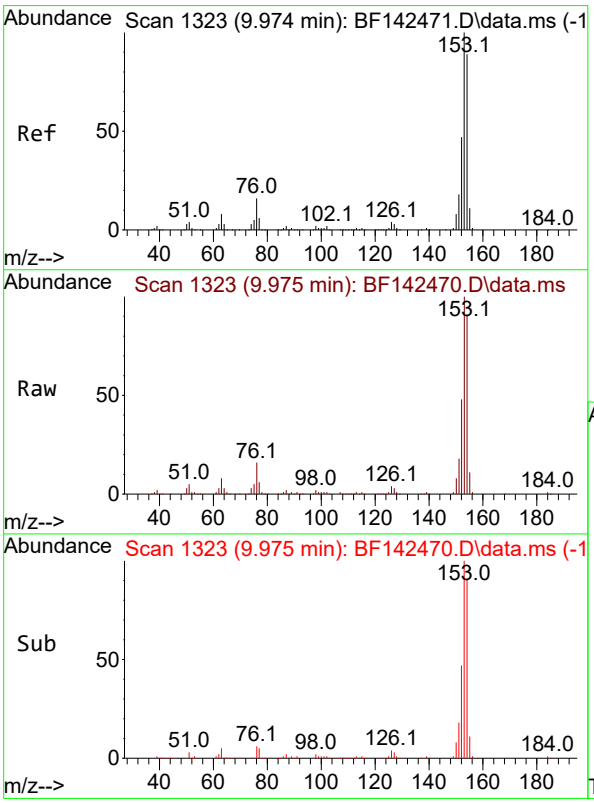
#51
2,6-Dinitrotoluene
Concen: 20.308 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 59031

Ion	Ratio	Lower	Upper
165	100		
63	56.7	42.9	64.3
89	52.1	40.2	60.4

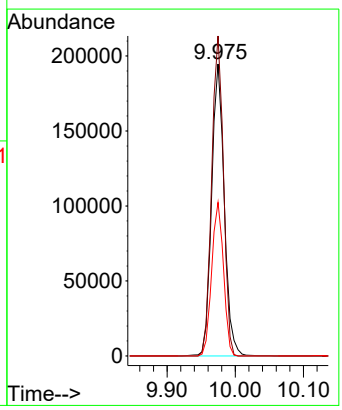


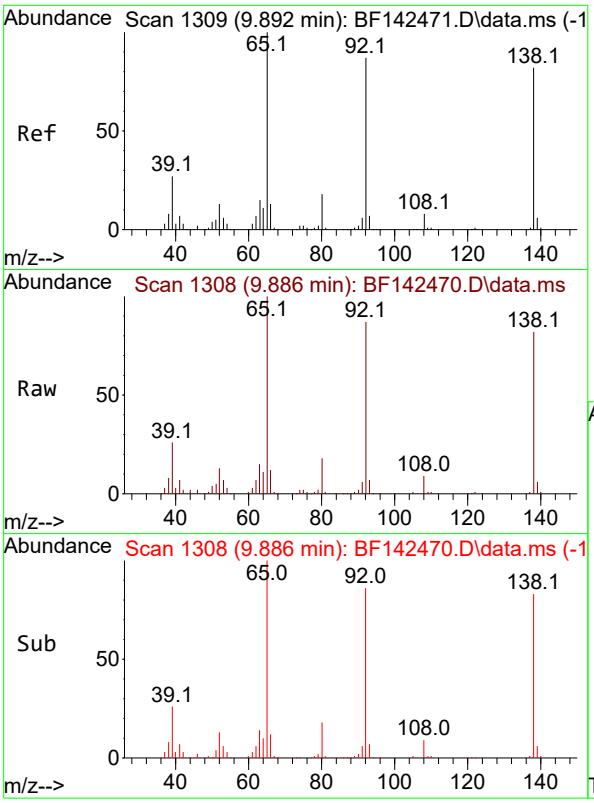


#52
Acenaphthene
Concen: 20.764 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:154 Resp: 250487

Ion	Ratio	Lower	Upper
154	100		
153	109.6	90.0	135.0
152	52.6	42.6	64.0



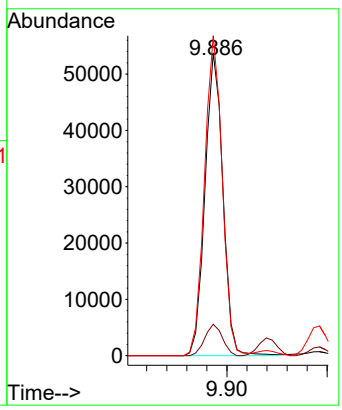


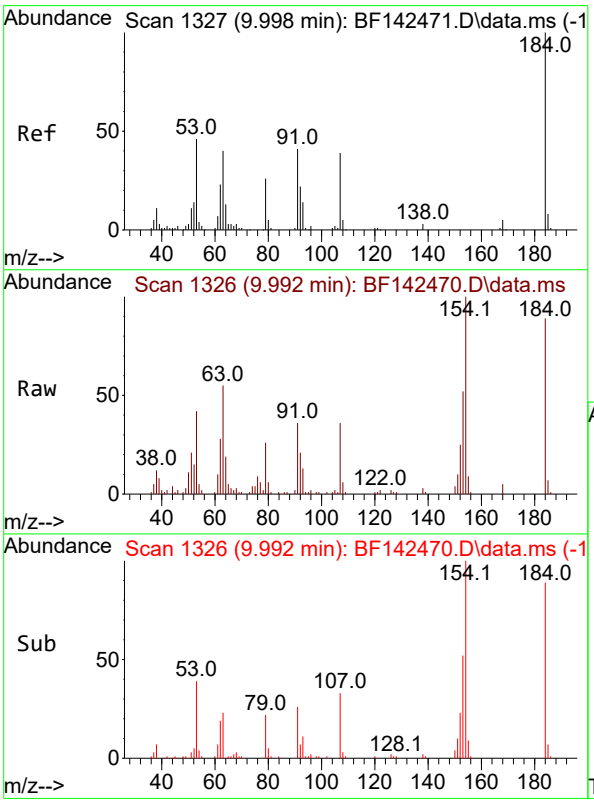
#53
3-Nitroaniline
Concen: 21.055 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 66847

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	105.6	85.2	127.8

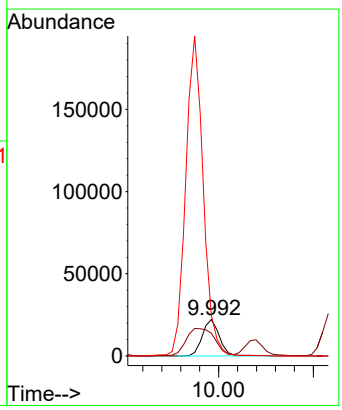


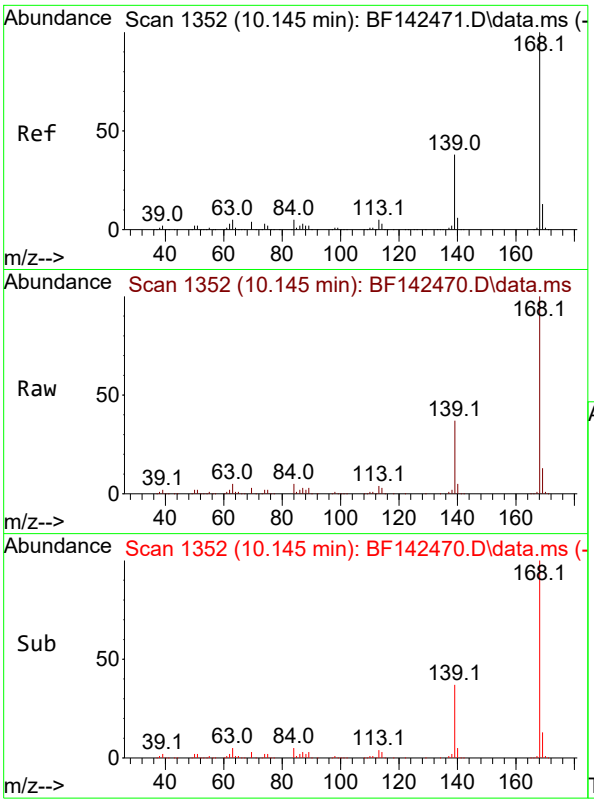


#54
2,4-Dinitrophenol
Concen: 18.553 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:184 Resp: 27863

Ion	Ratio	Lower	Upper
184	100		
63	62.4	46.3	69.5
154	112.6	56.8	85.2#



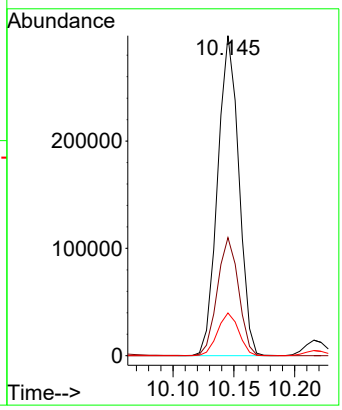


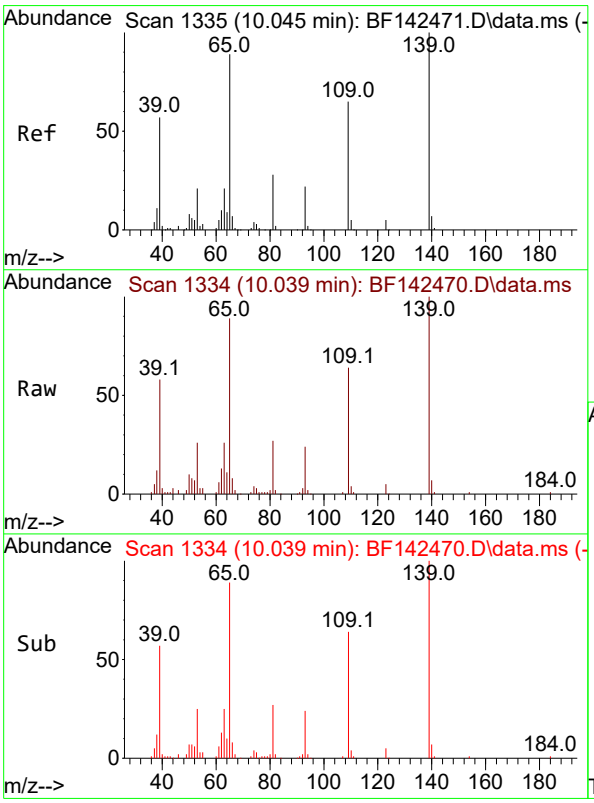
#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 360936

Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.2	45.2
169	13.4	10.7	16.1

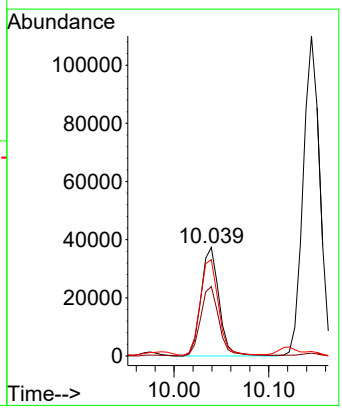


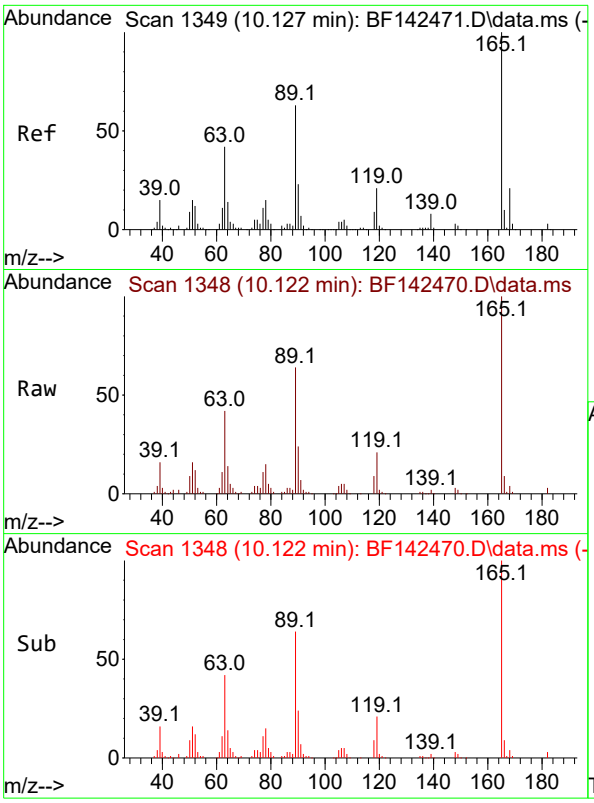


#56
4-Nitrophenol
Concen: 21.067 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:139 Resp: 49352

Ion	Ratio	Lower	Upper
139	100		
109	63.9	45.1	85.1
65	88.7	69.7	109.7



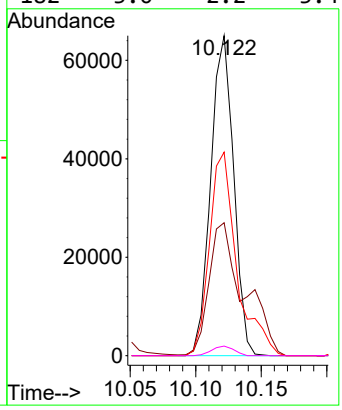


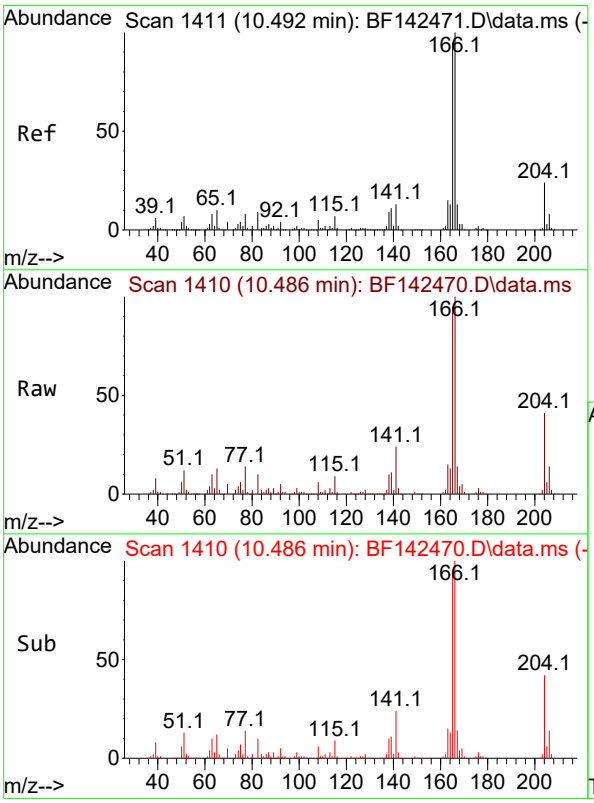
#57
2,4-Dinitrotoluene
Concen: 20.827 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 79063

Ion	Ratio	Lower	Upper
165	100		
63	41.5	33.6	50.4
89	63.6	50.2	75.4
182	3.0	2.2	3.4

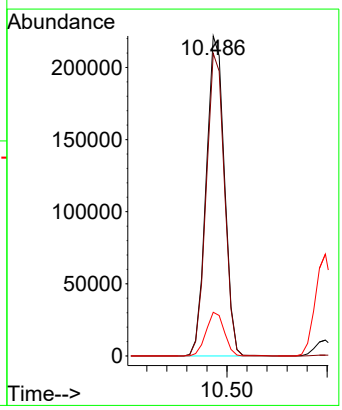


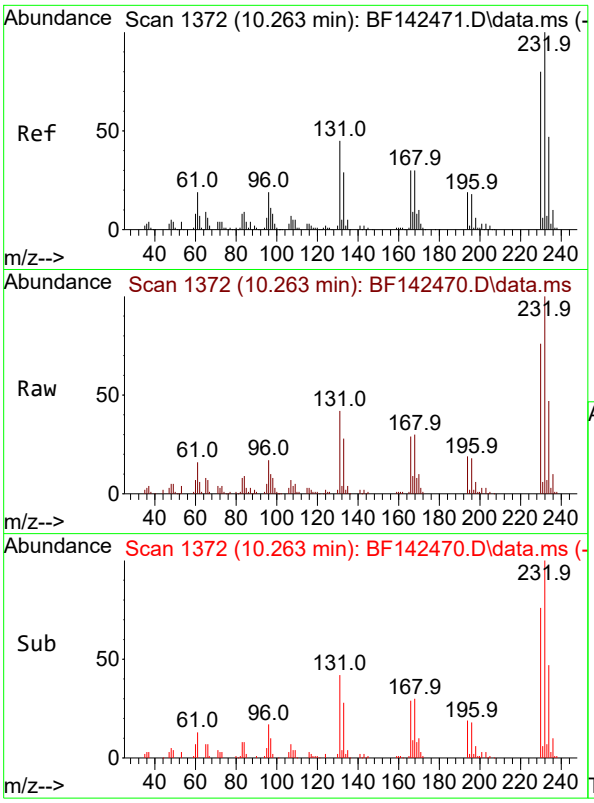


#58
Fluorene
Concen: 20.878 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:166 Resp: 279994

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.8	113.8
167	13.6	10.6	16.0



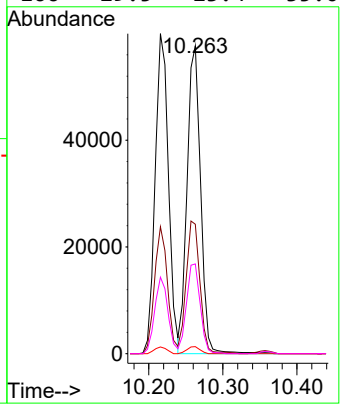


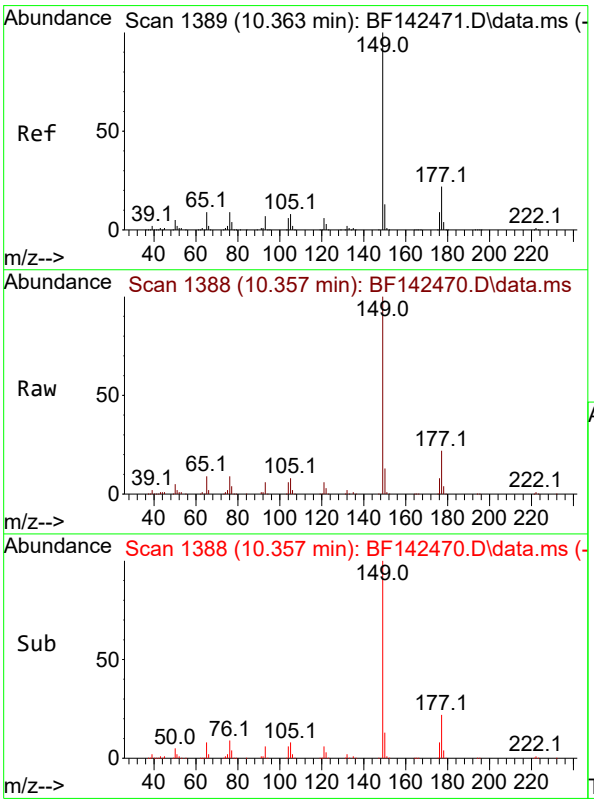
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.140 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 73538

Ion	Ratio	Lower	Upper
232	100		
131	43.7	35.2	52.8
130	2.2	1.7	2.5
166	29.5	23.4	35.0

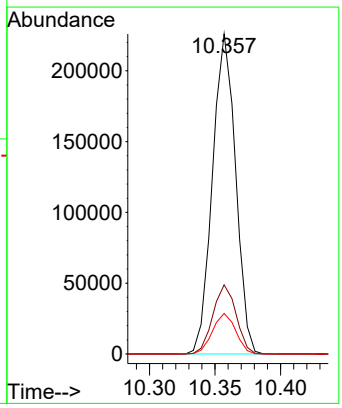


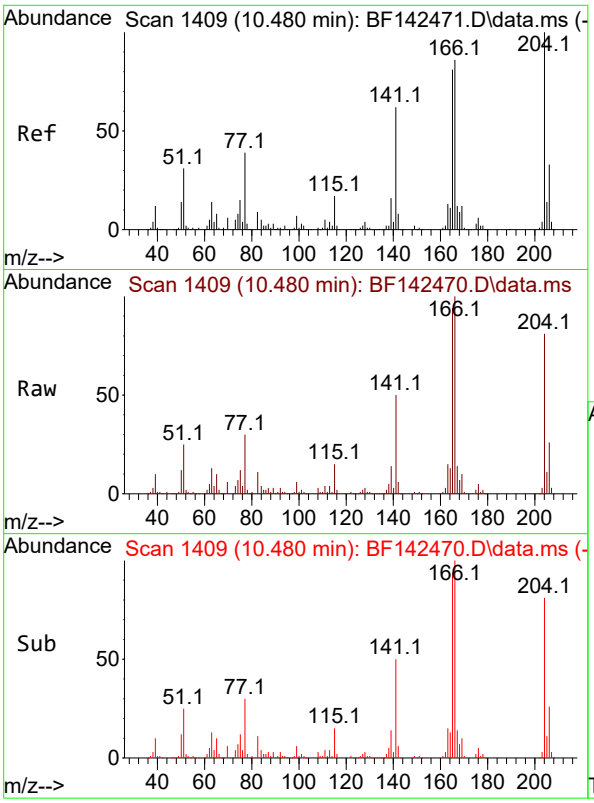


#60
Diethylphthalate
Concen: 21.084 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 277325

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.7	10.1	15.1



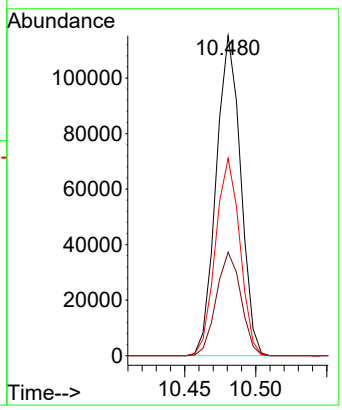


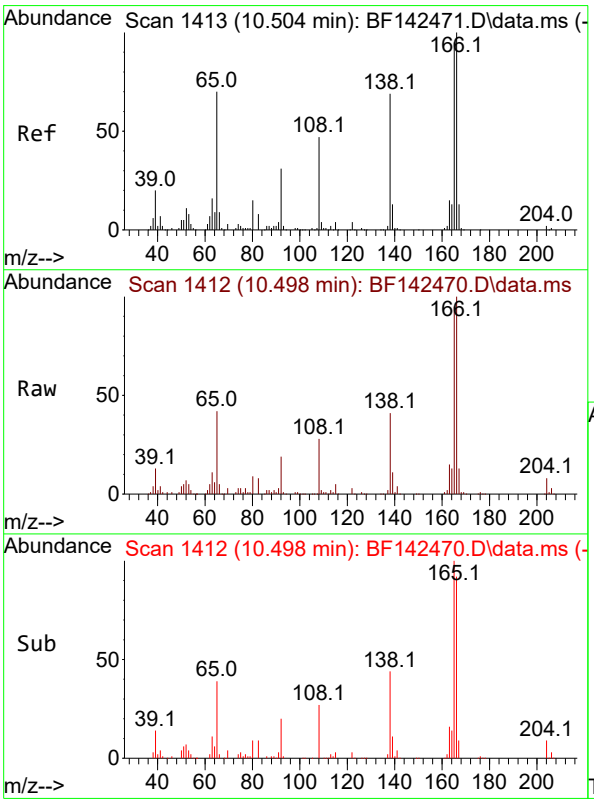
#61
4-Chlorophenyl-phenylether
Concen: 20.944 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 137985

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	61.7	49.5	74.3

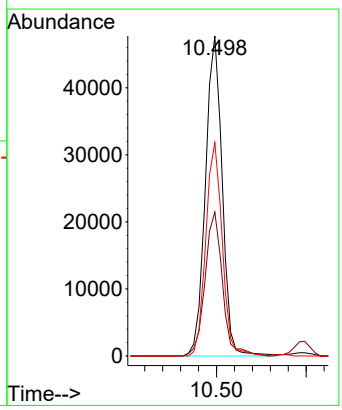


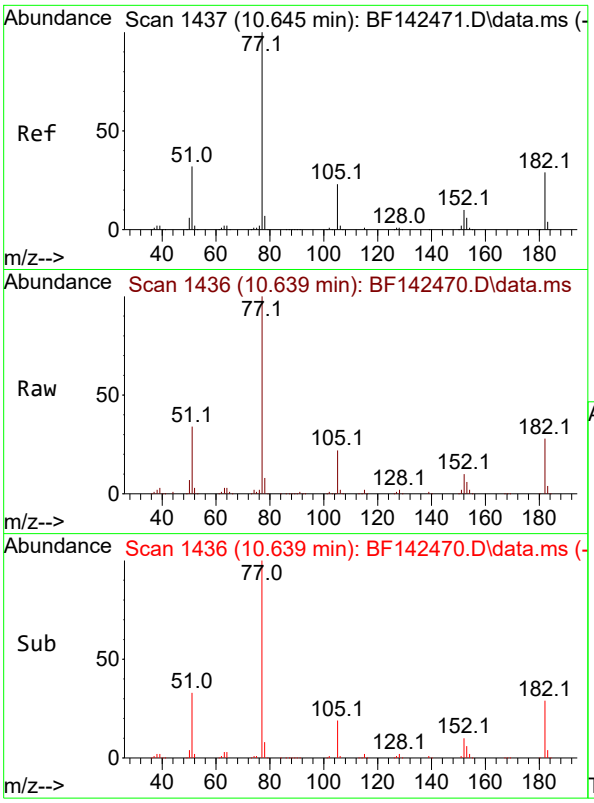


#62
4-Nitroaniline
Concen: 21.481 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:138 Resp: 61856

Ion	Ratio	Lower	Upper
138	100		
92	44.9	26.0	66.0
108	66.7	48.4	88.4



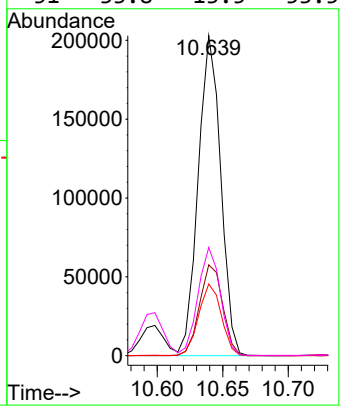


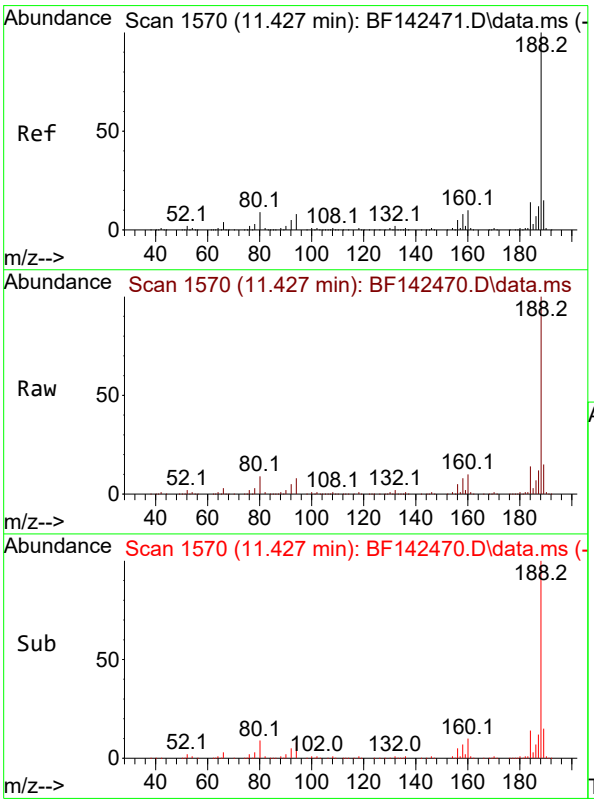
#63
Azobenzene
Concen: 20.530 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 242545

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.0	49.0
105	22.4	2.4	42.4
51	33.8	13.5	53.5

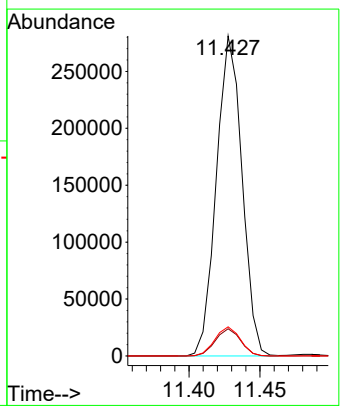


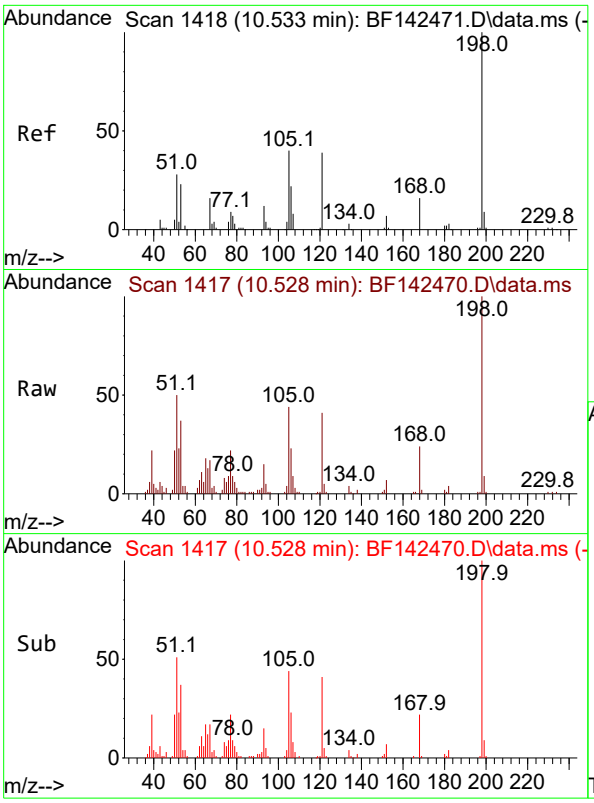


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:188 Resp: 353003

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.1	7.4	11.0



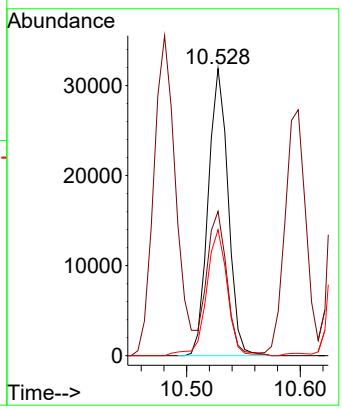


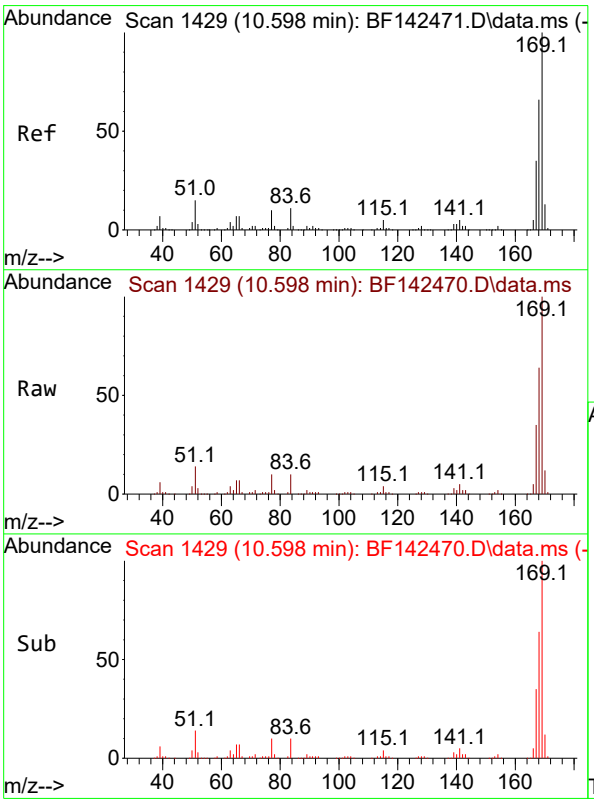
#65
4,6-Dinitro-2-methylphenol
Concen: 19.673 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 38757

Ion	Ratio	Lower	Upper
198	100		
51	50.3	28.3	68.3
105	43.9	21.3	61.3

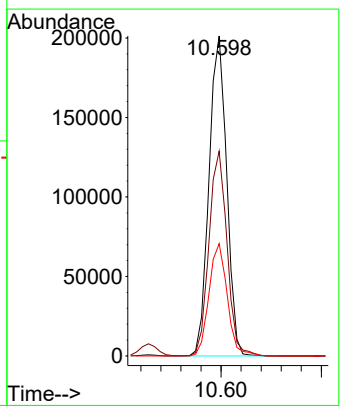


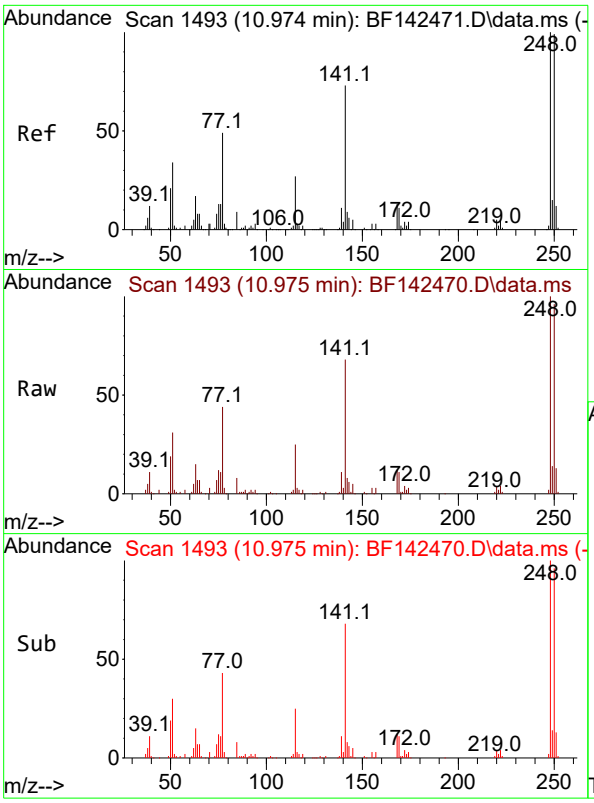


#66
n-Nitrosodiphenylamine
Concen: 20.348 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:169 Resp: 245739

Ion	Ratio	Lower	Upper
169	100		
168	64.0	52.7	79.1
167	35.1	28.3	42.5



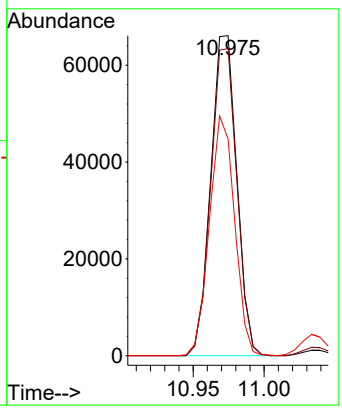


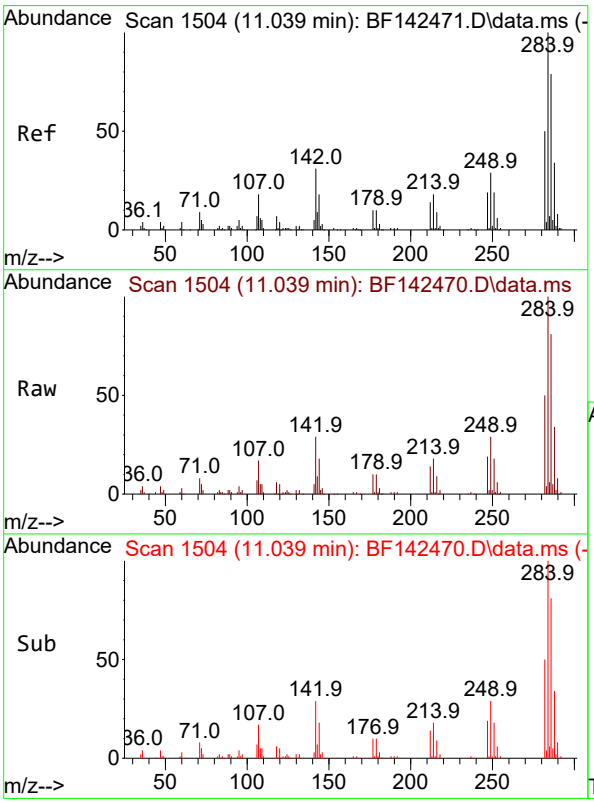
#67
4-Bromophenyl-phenylether
Concen: 20.222 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 84406

Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.0	118.4
141	67.7	58.4	87.6

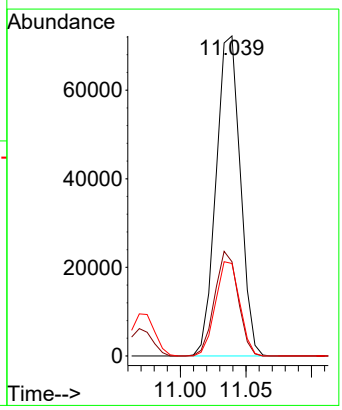


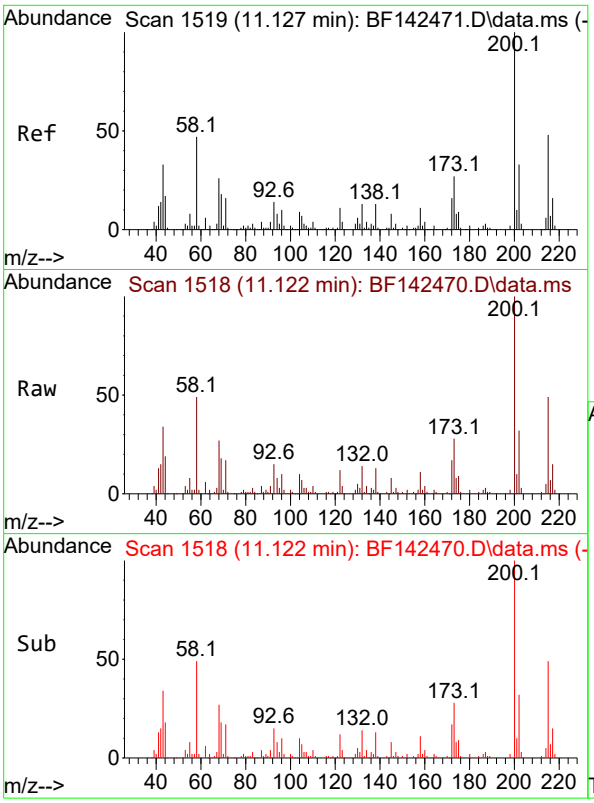


#68
Hexachlorobenzene
Concen: 20.102 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:284 Resp: 92803

Ion	Ratio	Lower	Upper
284	100		
142	29.4	24.8	37.2
249	28.9	23.6	35.4



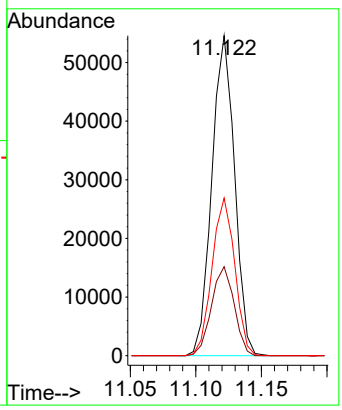


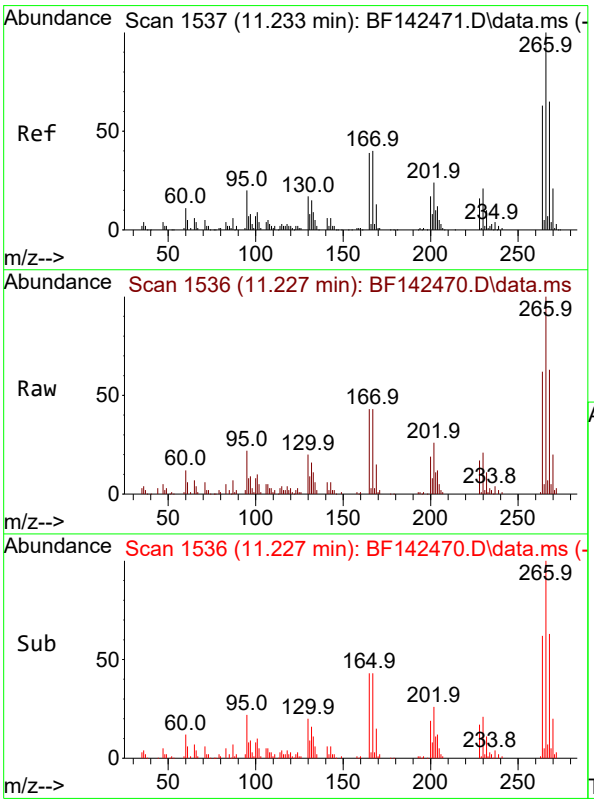
#69
Atrazine
Concen: 20.471 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 65656

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	49.2	28.5	68.5

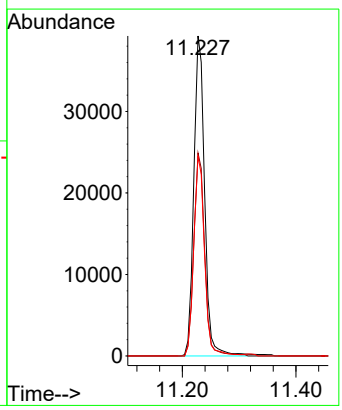


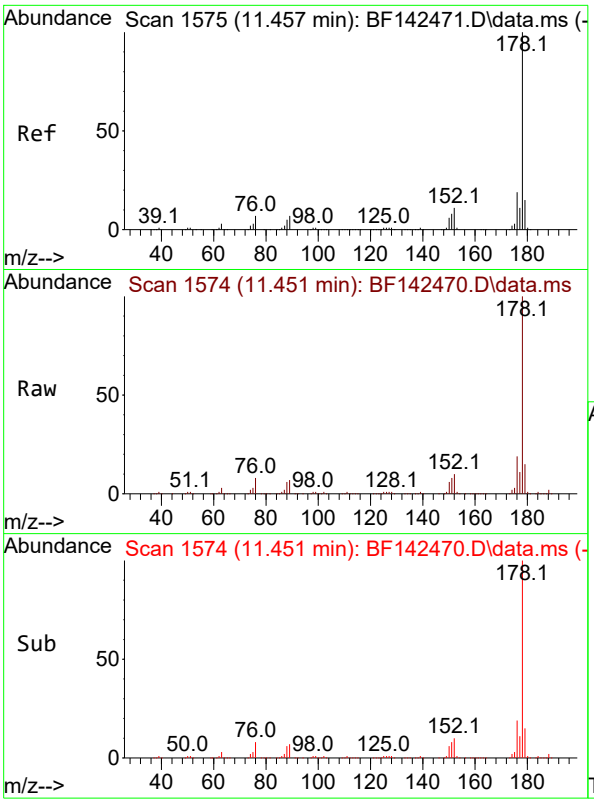


#70
Pentachlorophenol
Concen: 20.152 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:266 Resp: 52525

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.7	77.5
264	62.5	50.4	75.6



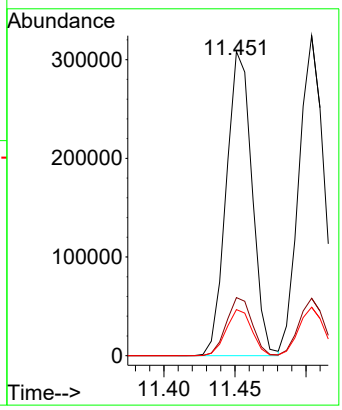


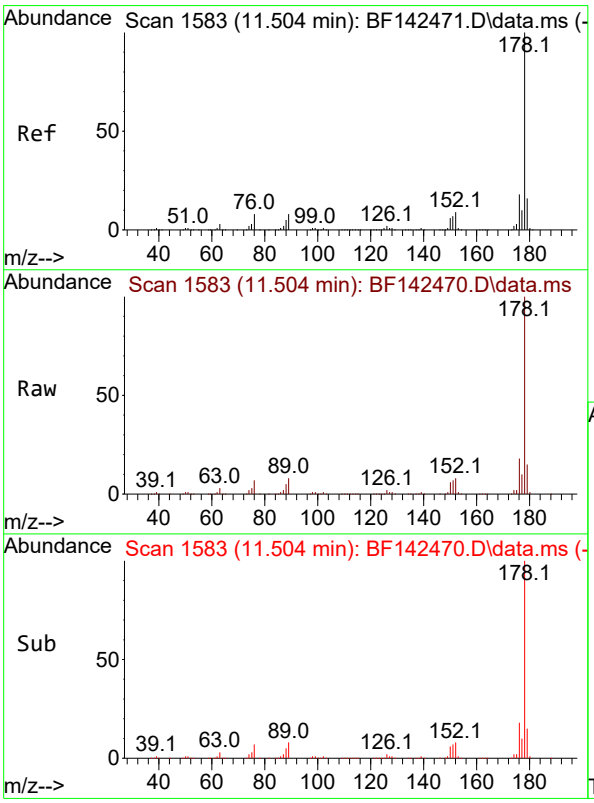
#71
Phenanthrene
Concen: 20.584 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 388317

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.3	18.5

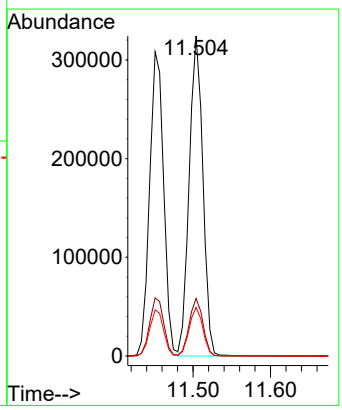


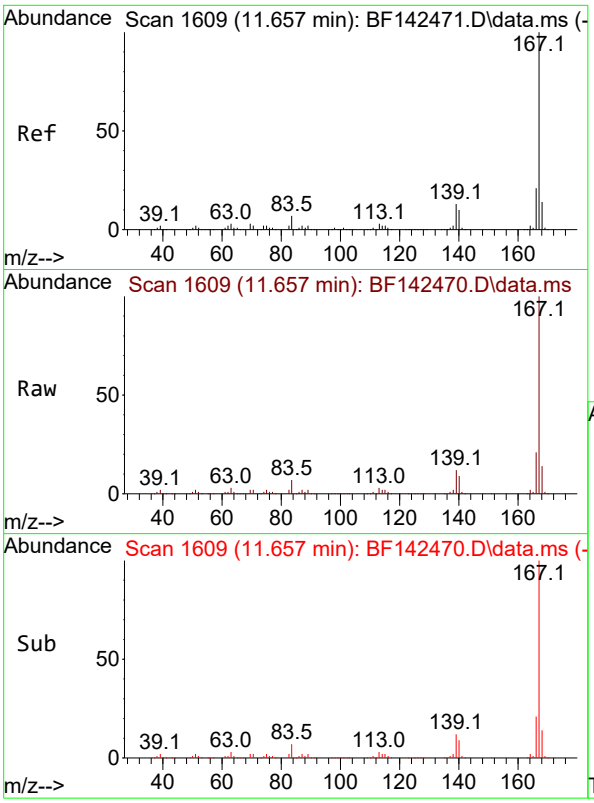


#72
Anthracene
Concen: 20.604 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:178 Resp: 396704

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.2	12.4	18.6



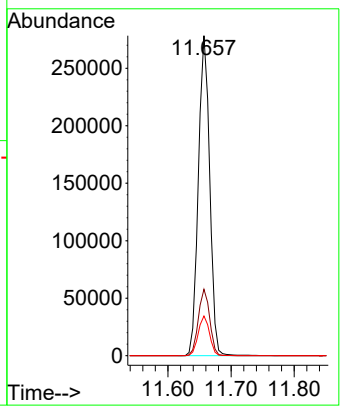


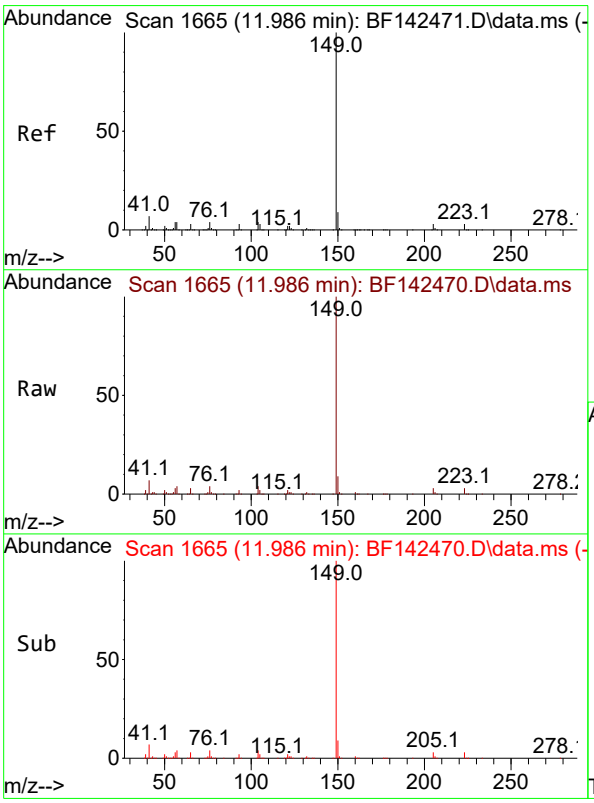
#73
Carbazole
Concen: 21.055 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 346558

Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	12.4	10.2	15.4

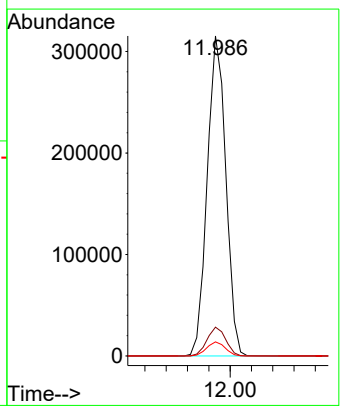


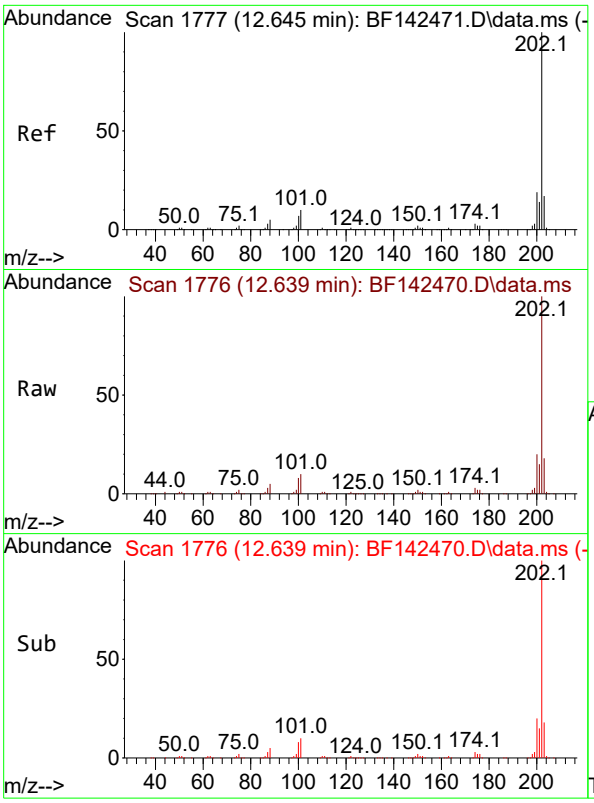


#74
Di-n-butylphthalate
Concen: 21.221 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 382324

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.4	3.6	5.4



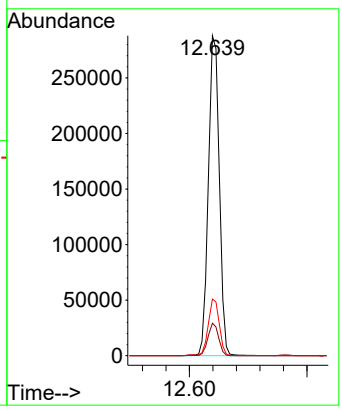


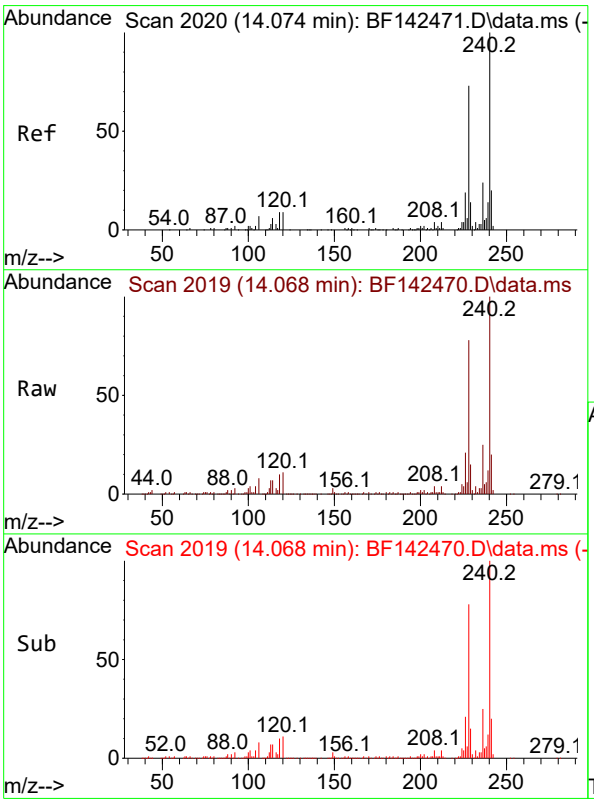
#75
Fluoranthene
Concen: 21.059 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 371226

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.6
203	17.7	0.0	37.2

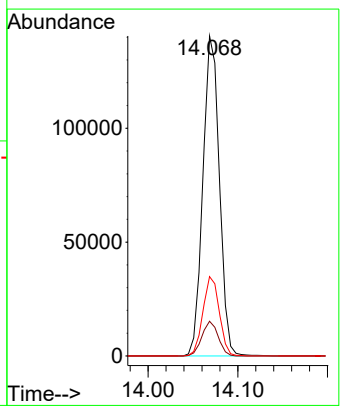


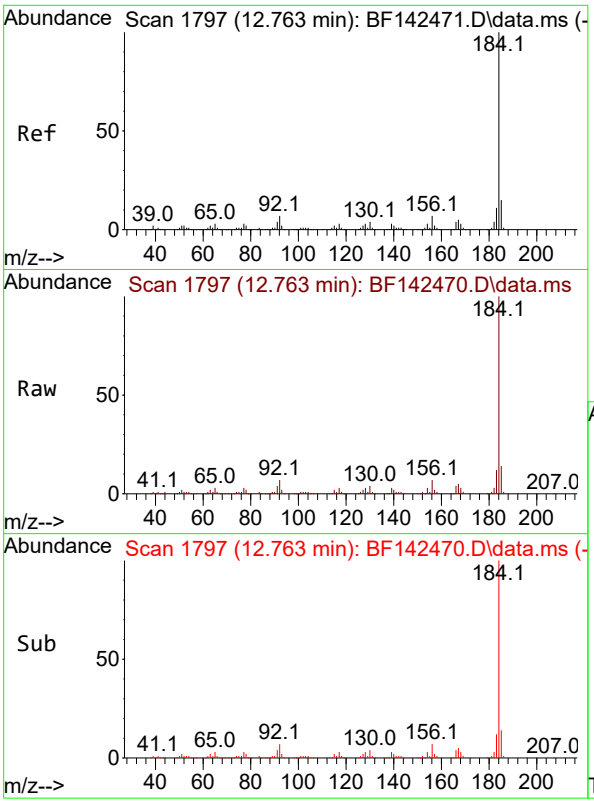


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:240 Resp: 179495

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.5	11.3
236	24.8	19.6	29.4



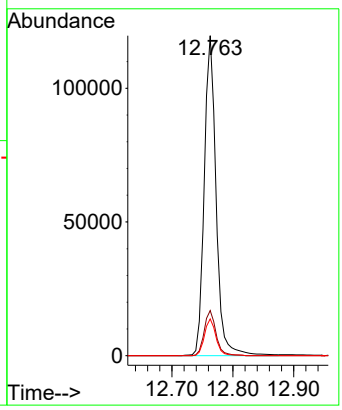


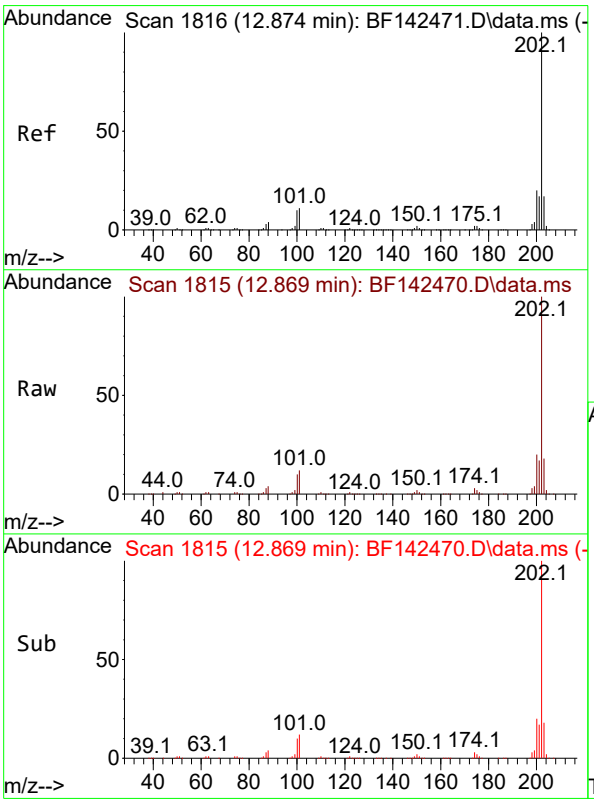
#77
Benzidine
Concen: 24.258 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 162031

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.5	9.0	13.4

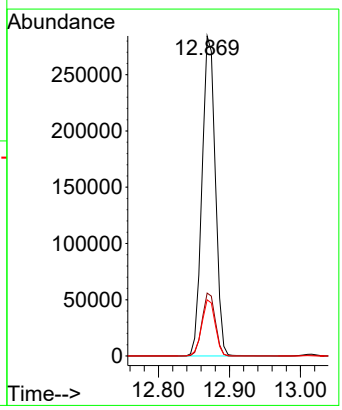


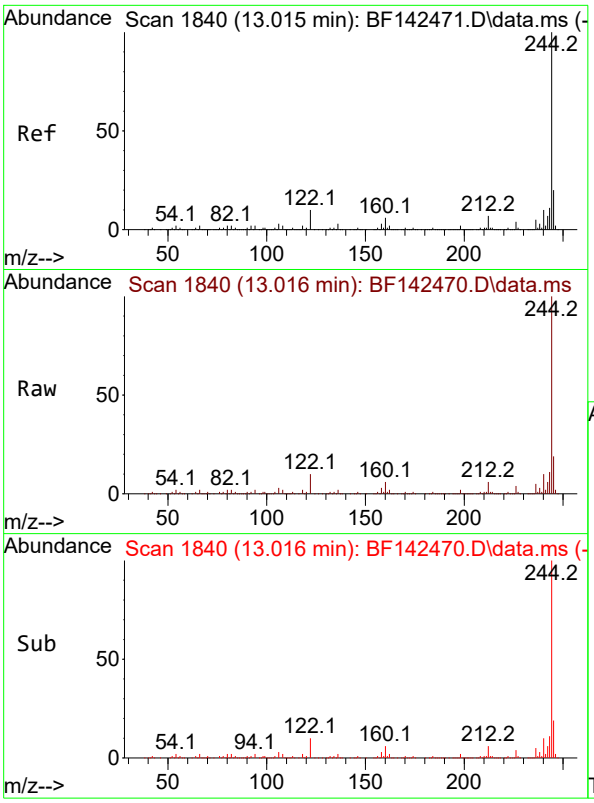


#78
Pyrene
Concen: 22.144 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:202 Resp: 370789

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.1	24.1
203	17.6	13.9	20.9



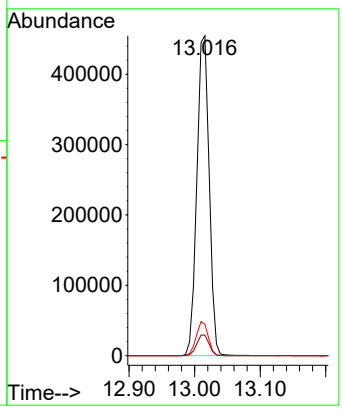


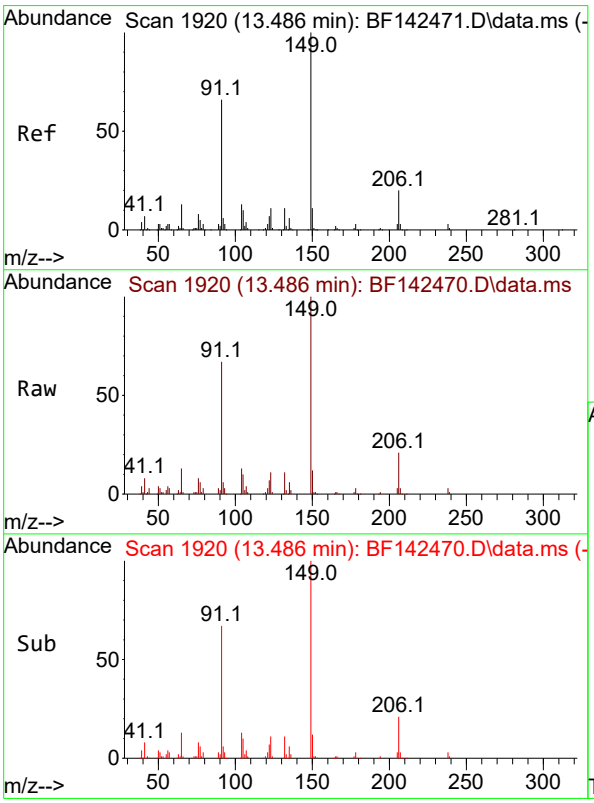
#79
Terphenyl-d14
Concen: 45.382 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 596097

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	9.8	8.2	12.2

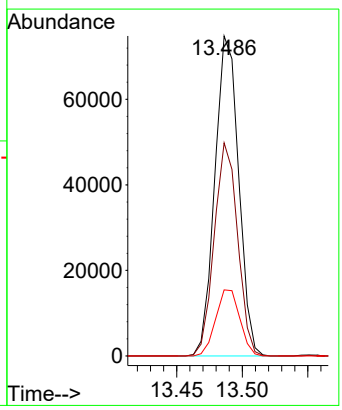


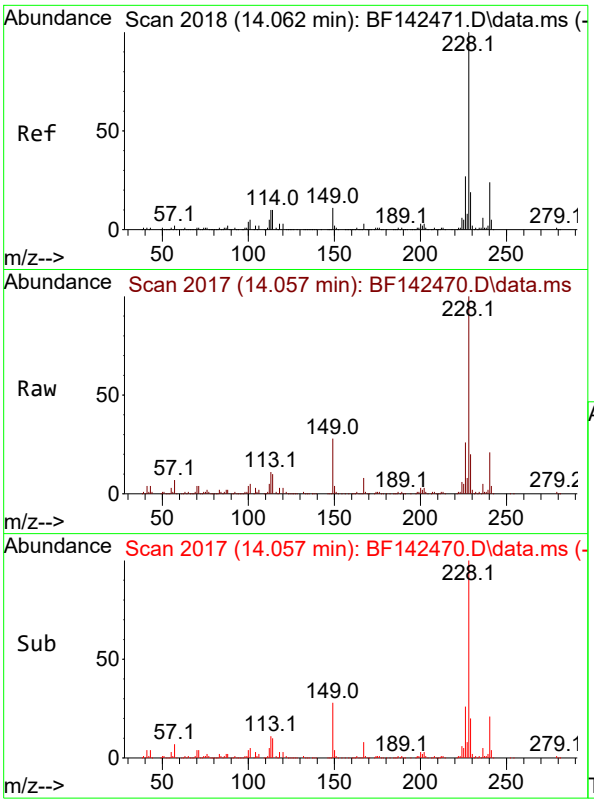


#80
Butylbenzylphthalate
Concen: 20.379 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 94290

Ion	Ratio	Lower	Upper
149	100		
91	66.6	52.9	79.3
206	20.7	16.2	24.2



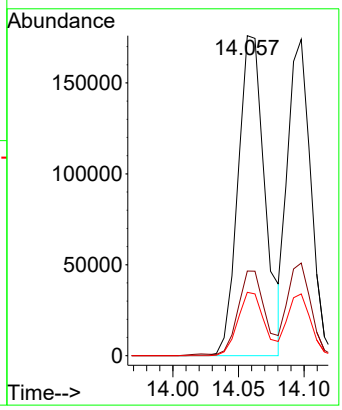


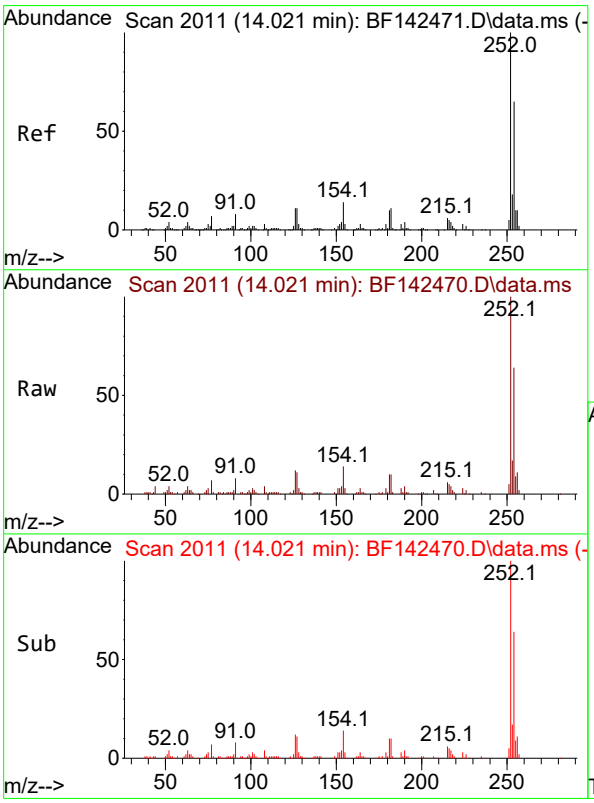
#81
Benzo(a)anthracene
Concen: 21.013 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 251858

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.8	15.5	23.3

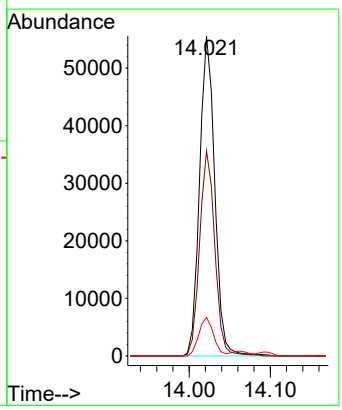


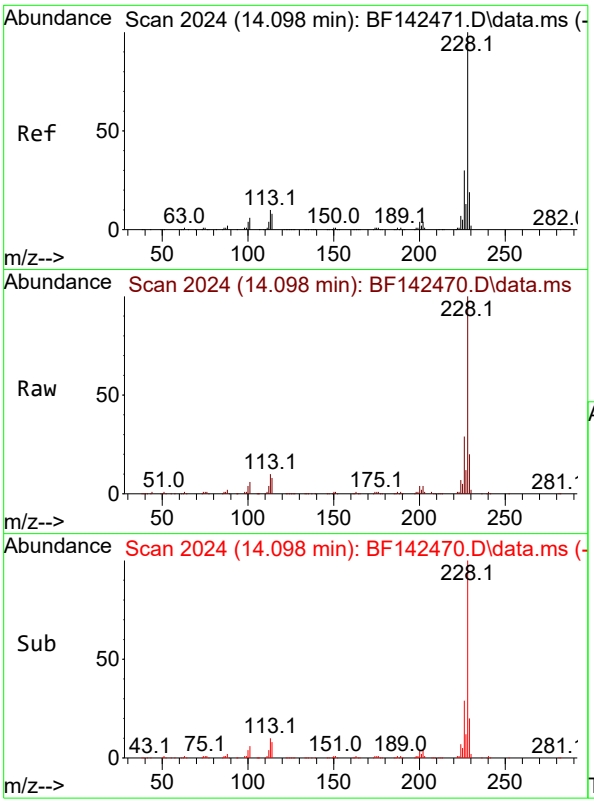


#82
3,3'-Dichlorobenzidine
Concen: 19.865 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 72218

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.0	78.0
126	12.1	8.9	13.3



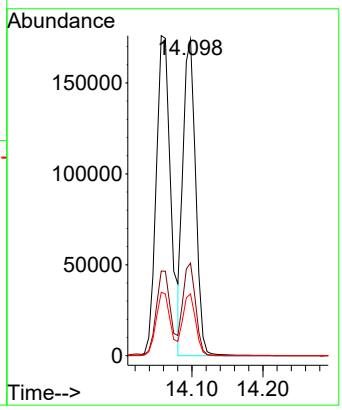


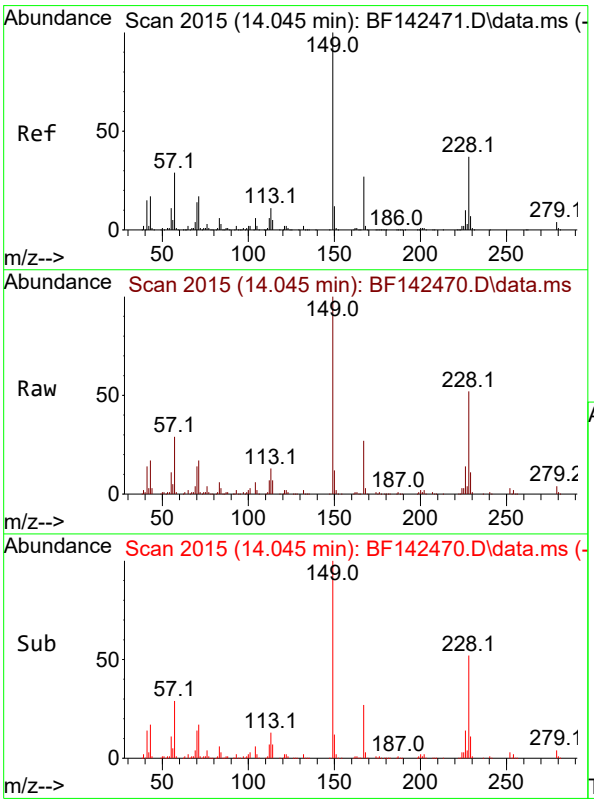
#83
Chrysene
Concen: 19.890 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 214213

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	19.5	15.4	23.2

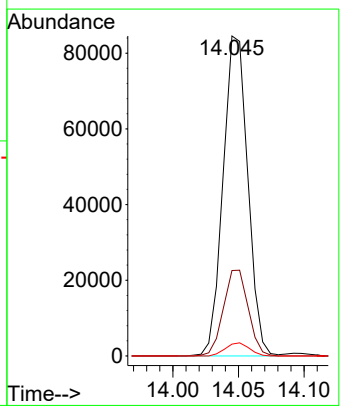


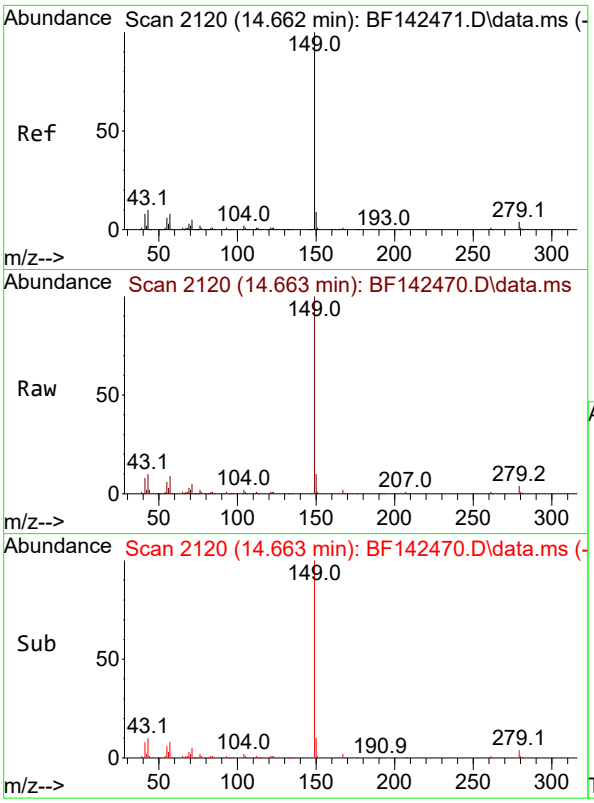


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.743 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:149 Resp: 111015

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.5	32.3
279	3.7	3.2	4.8



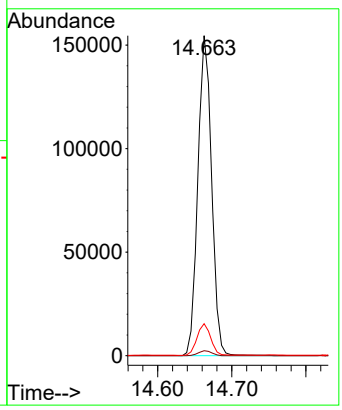


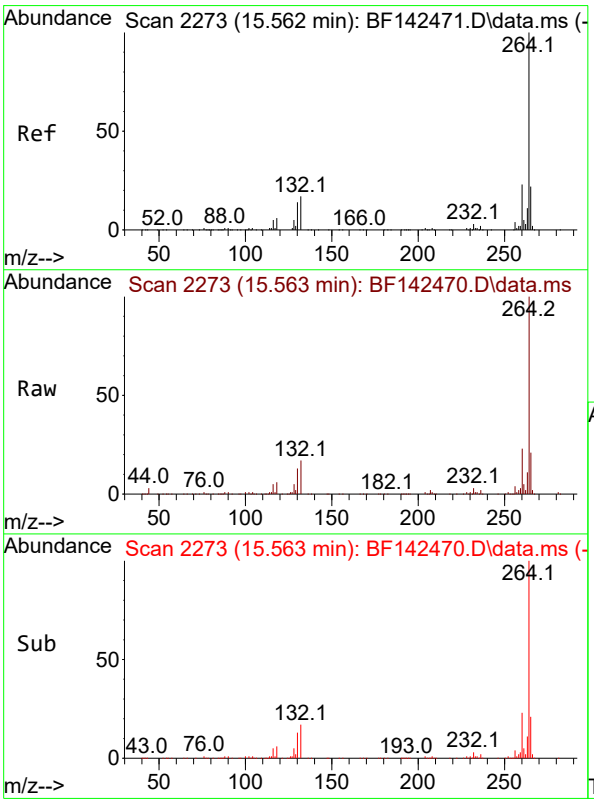
#85
Di-n-octyl phthalate
Concen: 17.166 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 198800

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.9	7.9	11.9

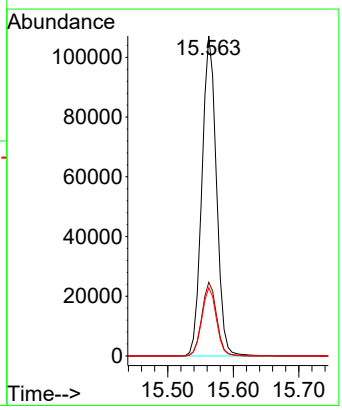


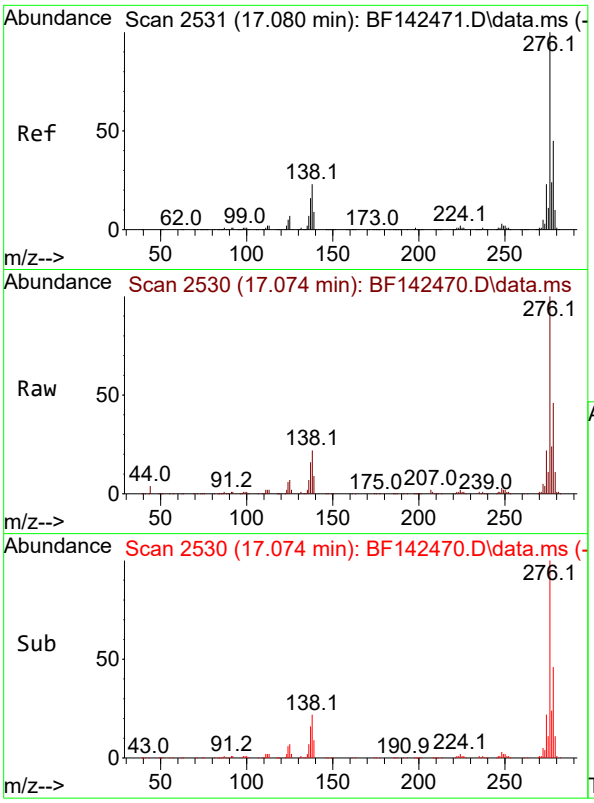


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:264 Resp: 165092

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.3	17.7	26.5



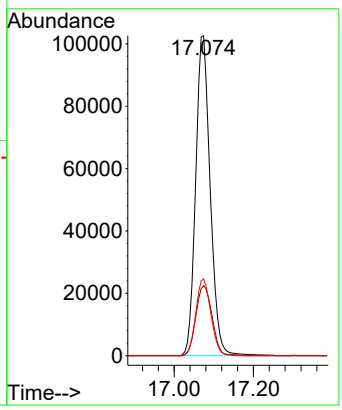


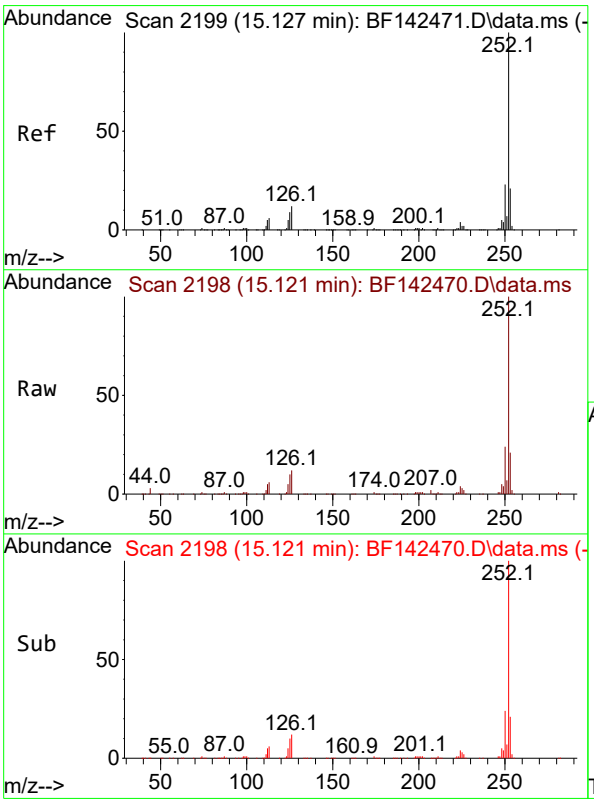
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.080 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 261271

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.9	29.9
277	24.7	20.2	30.2

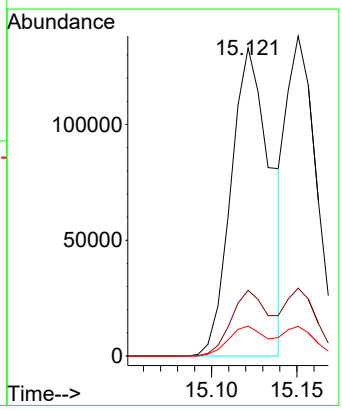


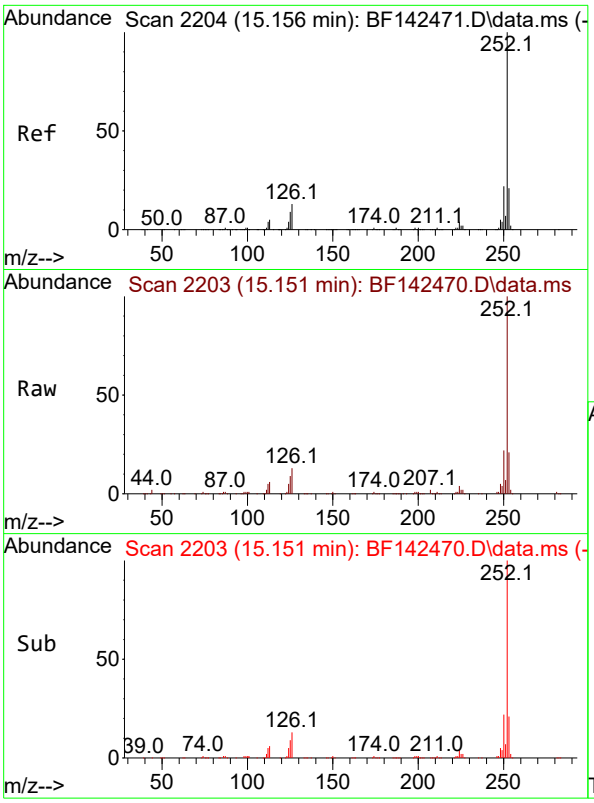


#88
Benzo(b)fluoranthene
Concen: 21.849 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 213487

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	9.7	7.4	11.0



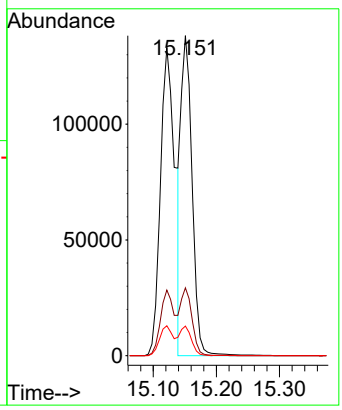


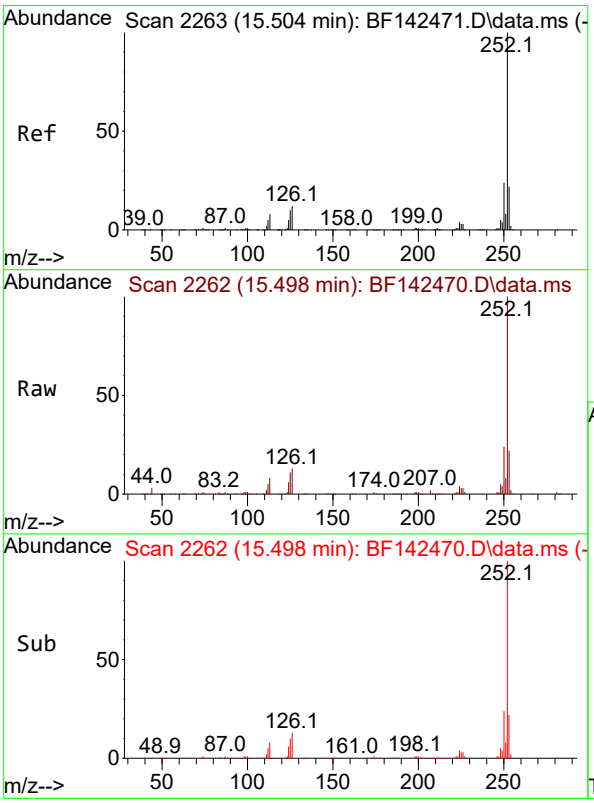
#89
Benzo(k)fluoranthene
Concen: 18.611 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 170316

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.3	7.3	10.9

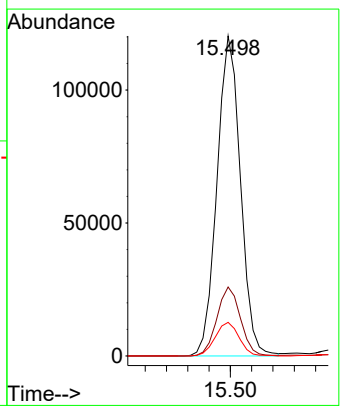


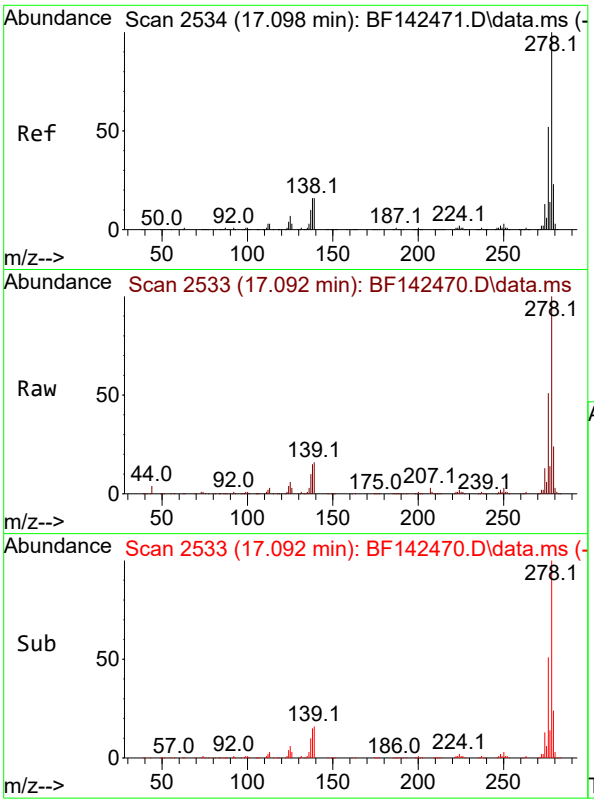


#90
Benzo(a)pyrene
Concen: 19.976 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:252 Resp: 183983

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	10.5	7.9	11.9



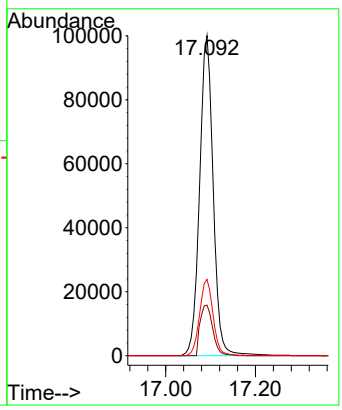


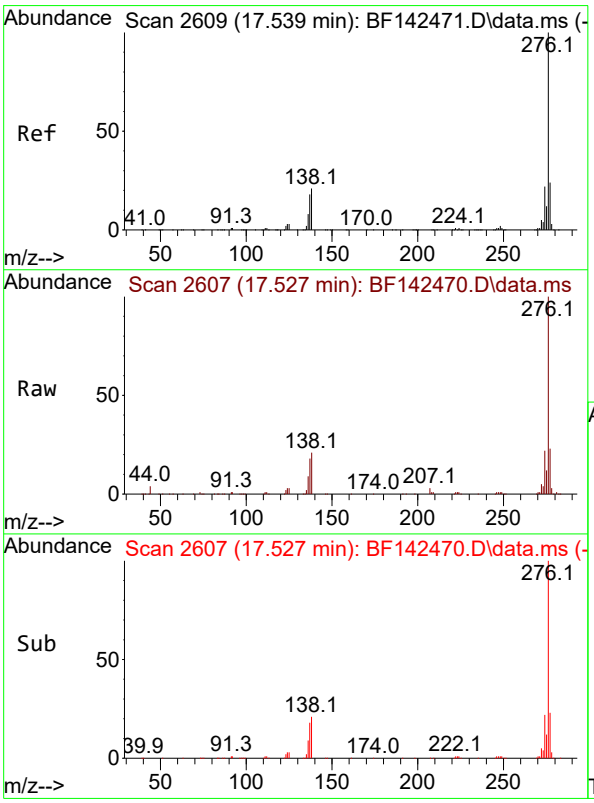
#91
Dibenzo(a,h)anthracene
Concen: 20.946 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 210557

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.8	19.2
279	23.8	18.6	28.0

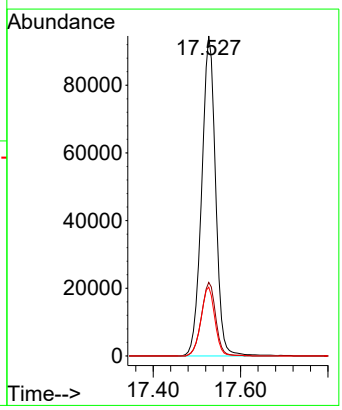




#92
Benzo(g,h,i)perylene
Concen: 20.859 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.029 min
Lab File: BF142470.D
Acq: 20 May 2025 13:36

Tgt Ion:276 Resp: 209719

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	21.5	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	97580	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	377433	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	206343	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	343068	20.000	ng	0.00
76) Chrysene-d12	14.074	240	169022	20.000	ng	0.00
86) Perylene-d12	15.562	264	189289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	439258	75.840	ng	0.00
7) Phenol-d6	6.522	99	533569	76.529	ng	-0.01
23) Nitrobenzene-d5	7.463	82	537832	77.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	174483	76.189	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1144883	74.452	ng	0.00
79) Terphenyl-d14	13.015	244	962300	77.802	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	89364	38.557	ng	100
3) Pyridine	3.440	79	228376	38.694	ng	100
4) n-Nitrosodimethylamine	3.387	42	120777	39.412	ng	100
6) Aniline	6.563	93	359784	38.378	ng	100
8) 2-Chlorophenol	6.686	128	244270	38.720	ng	100
9) Benzaldehyde	6.451	77	159492	38.033	ng	100
10) Phenol	6.539	94	298690	38.073	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	216144	38.275	ng	100
12) 1,3-Dichlorobenzene	6.839	146	271118	38.514	ng	100
13) 1,4-Dichlorobenzene	6.916	146	274616	38.727	ng	100
14) 1,2-Dichlorobenzene	7.069	146	258896	38.156	ng	100
15) Benzyl Alcohol	7.039	79	199176	38.657	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	364537	38.439	ng	100
17) 2-Methylphenol	7.145	107	190501	38.677	ng	100
18) Hexachloroethane	7.416	117	95436	38.543	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	164556	38.083	ng	100
20) 3+4-Methylphenols	7.304	107	243075	38.538	ng	100
22) Acetophenone	7.310	105	323676	38.740	ng	100
24) Nitrobenzene	7.486	77	243446	38.996	ng	100
25) Isophorone	7.722	82	447323	38.653	ng	100
26) 2-Nitrophenol	7.798	139	132248	39.646	ng	100
27) 2,4-Dimethylphenol	7.833	122	228588	38.858	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	274724	38.002	ng	100
29) 2,4-Dichlorophenol	8.039	162	208444	38.963	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	222613	38.342	ng	100
31) Naphthalene	8.210	128	710368	38.223	ng	100
32) Benzoic acid	7.939	122	142061	39.672	ng	100
33) 4-Chloroaniline	8.251	127	293373	38.957	ng	100
34) Hexachlorobutadiene	8.322	225	141200	38.949	ng	100
35) Caprolactam	8.622	113	59309	39.473	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	212728	38.800	ng	100
37) 2-Methylnaphthalene	8.898	142	445368	38.092	ng	100
38) 1-Methylnaphthalene	8.998	142	464365	38.397	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	227685	38.439	ng	100
41) Hexachlorocyclopentadiene	9.051	237	162314	40.622	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	153308	38.383	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	162880	38.667	ng	100
46) 1,1'-Biphenyl	9.363	154	610663	38.146	ng	100
47) 2-Chloronaphthalene	9.386	162	451638	38.185	ng	100
48) 2-Nitroaniline	9.480	65	133679	39.102	ng	100
49) Acenaphthylene	9.804	152	763730	38.240	ng	100
50) Dimethylphthalate	9.663	163	518078	38.051	ng	100
51) 2,6-Dinitrotoluene	9.722	165	115691	39.370	ng	100
52) Acenaphthene	9.974	154	462249	37.904	ng	100
53) 3-Nitroaniline	9.892	138	123293	38.413	ng	100
54) 2,4-Dinitrophenol	9.998	184	61452	40.477	ng	100
55) Dibenzofuran	10.145	168	662626	37.758	ng	100
56) 4-Nitrophenol	10.045	139	93606	39.526	ng	100
57) 2,4-Dinitrotoluene	10.127	165	150036	39.095	ng	100
58) Fluorene	10.492	166	507836	37.457	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	137225	39.022	ng	100
60) Diethylphthalate	10.363	149	508183	38.217	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	251129	37.706	ng	100
62) 4-Nitroaniline	10.504	138	114265	39.253	ng	100
63) Azobenzene	10.645	77	456781	38.246	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	79121	41.326	ng	100
66) n-Nitrosodiphenylamine	10.598	169	445033	37.917	ng	100
67) 4-Bromophenyl-phenylether	10.974	248	152348	37.556	ng	100
68) Hexachlorobenzene	11.039	284	171918	38.318	ng	100
69) Atrazine	11.127	200	121790	39.072	ng	100
70) Pentachlorophenol	11.233	266	100877	39.824	ng	100
71) Phenanthrene	11.457	178	694045	37.855	ng	100
72) Anthracene	11.504	178	711162	38.007	ng	100
73) Carbazole	11.657	167	610097	38.140	ng	100
74) Di-n-butylphthalate	11.986	149	669345	38.227	ng	100
75) Fluoranthene	12.645	202	643610	37.569	ng	100
77) Benzidine	12.763	184	269307	42.816	ng	100
78) Pyrene	12.874	202	628371	39.853	ng	100
80) Butylbenzylphthalate	13.486	149	177841	40.819	ng	100
81) Benzo(a)anthracene	14.062	228	431998	38.276	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	137438	40.148	ng	100
83) Chrysene	14.098	228	387081	38.168	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	227555	40.800	ng	100
85) Di-n-octyl phthalate	14.662	149	427995	39.246	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	548309	38.584	ng	100
88) Benzo(b)fluoranthene	15.127	252	426174	38.041	ng	100
89) Benzo(k)fluoranthene	15.156	252	394567	37.603	ng	100
90) Benzo(a)pyrene	15.504	252	409312	38.761	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	448372	38.903	ng	100
92) Benzo(g,h,i)perylene	17.539	276	446674	38.747	ng	100

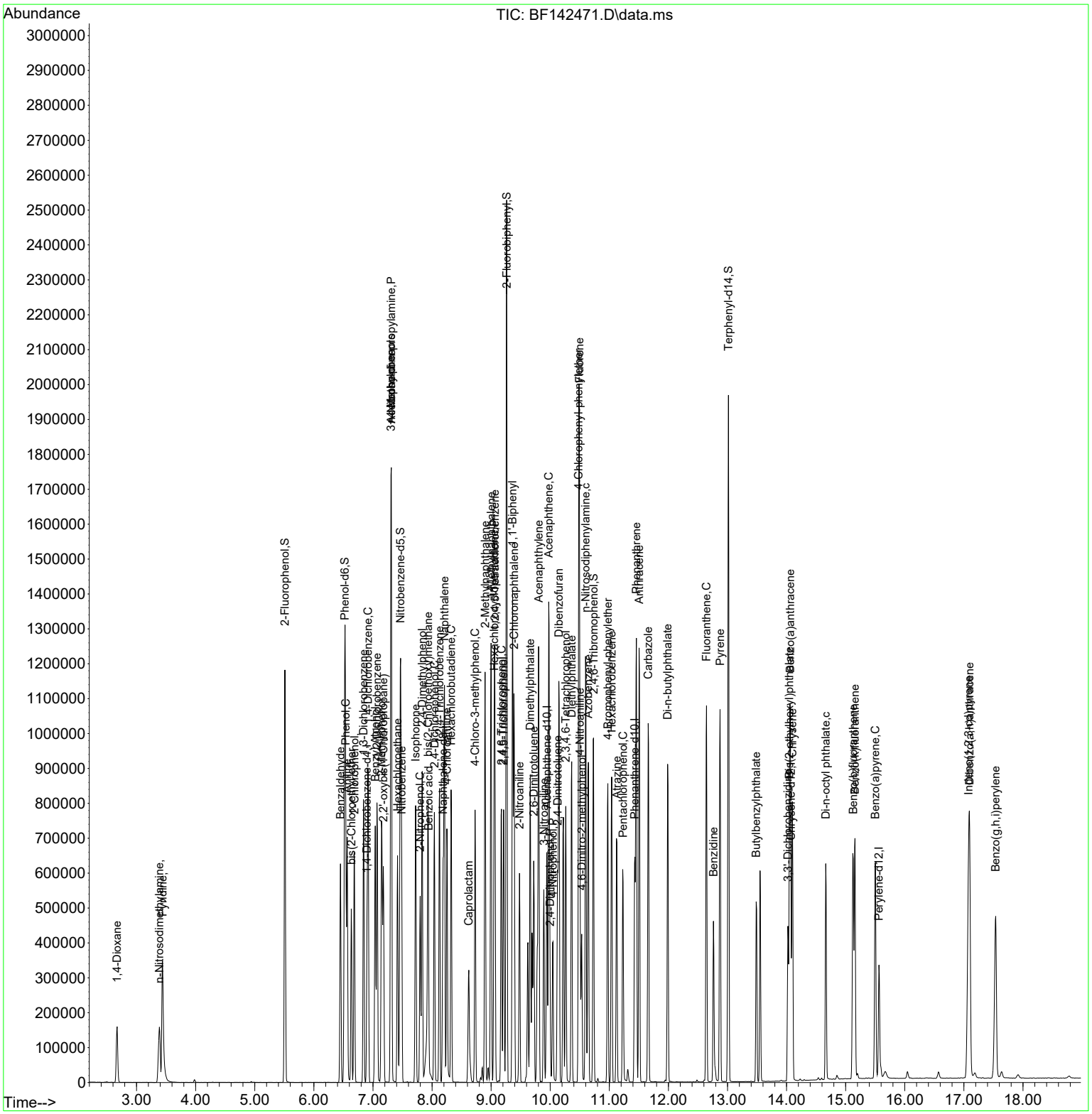
(#) = qualifier out of range (m) = manual integration (+) = signals summed

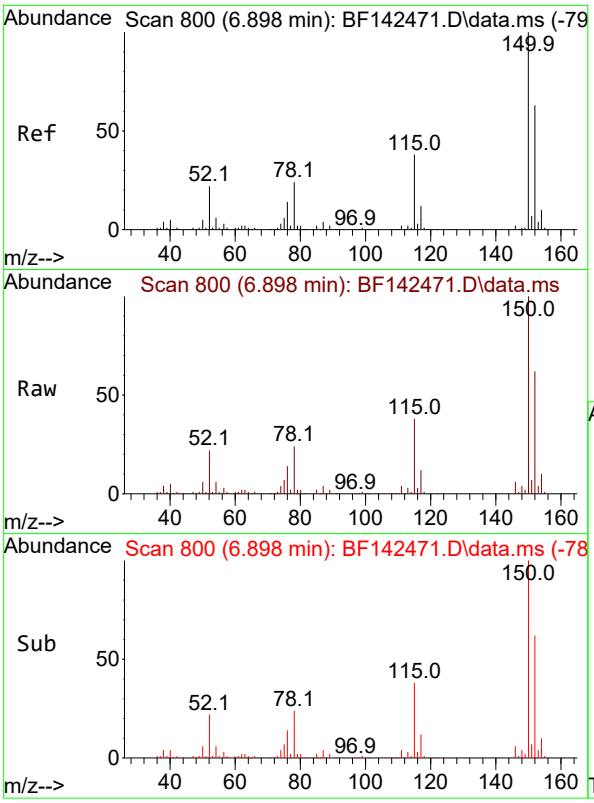
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142471.D
Acq On : 20 May 2025 14:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 20 16:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



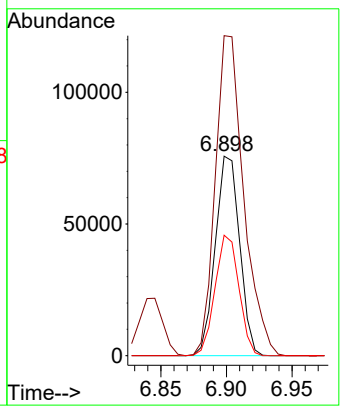


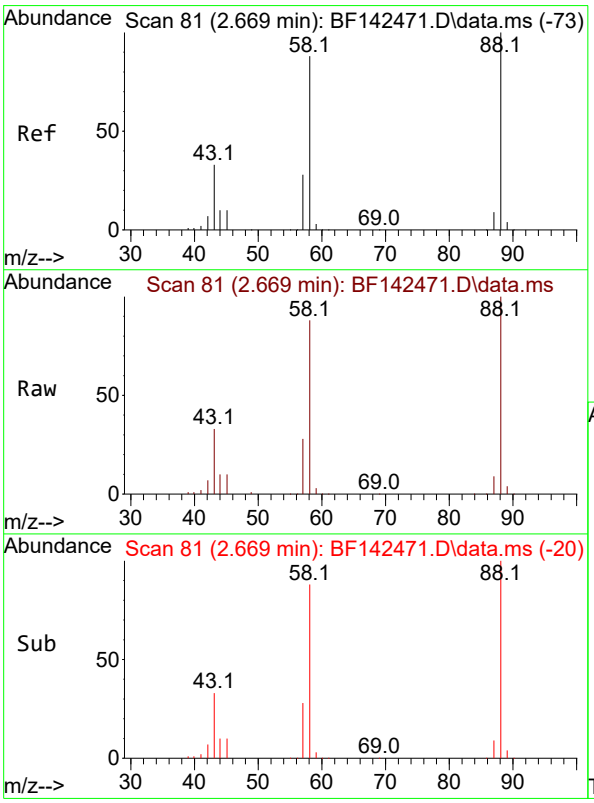
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 97580

Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	60.4	48.3	72.5

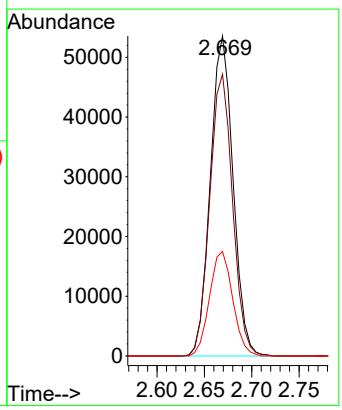


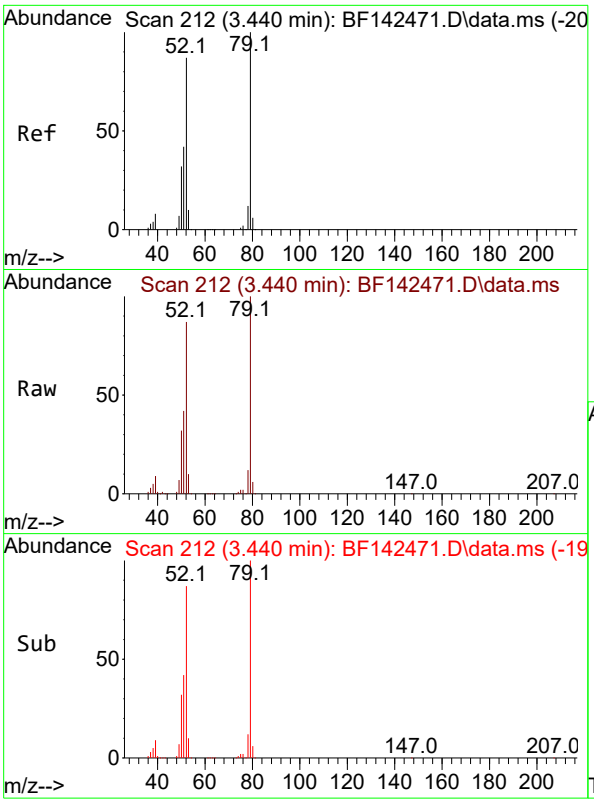


#2
1,4-Dioxane
Concen: 38.557 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 88 Resp: 89364

Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.8	106.2
43	33.3	26.6	40.0



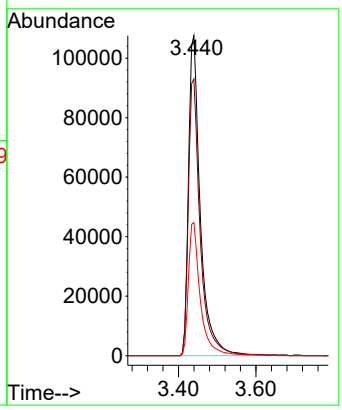


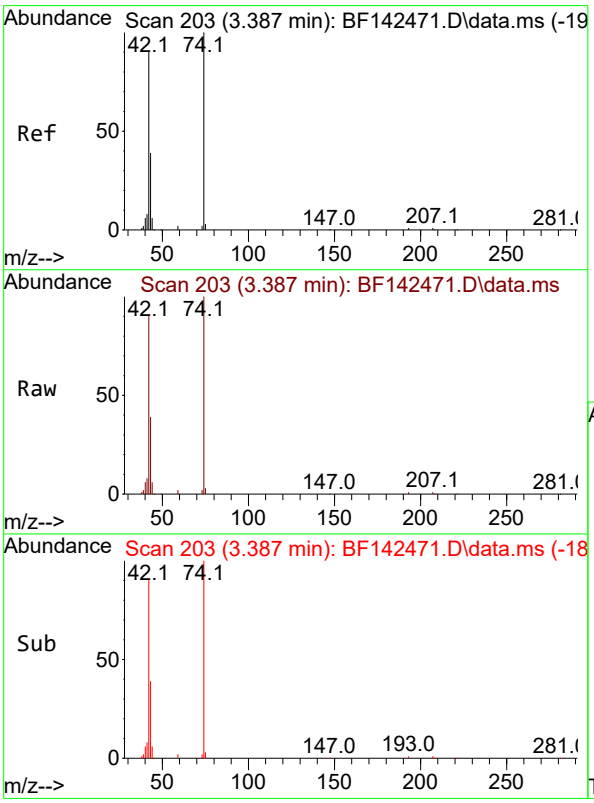
#3
Pyridine
Concen: 38.694 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 228376

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.6	33.3	49.9

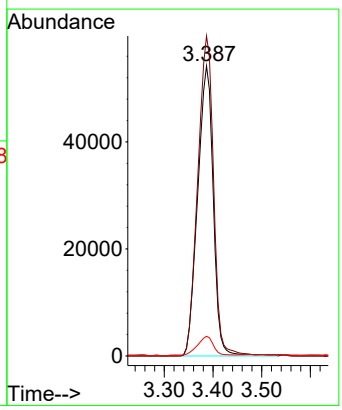


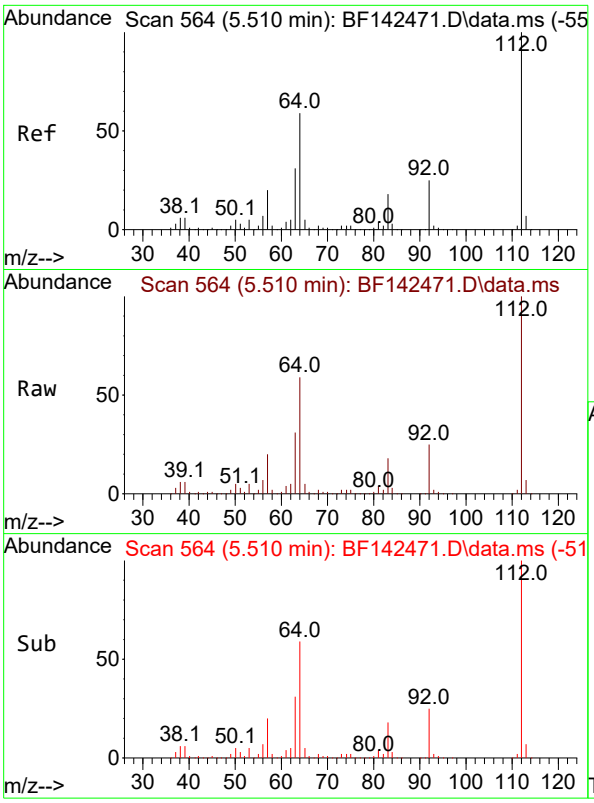


#4
n-Nitrosodimethylamine
Concen: 39.412 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 42 Resp: 120777

Ion	Ratio	Lower	Upper
42	100		
74	110.3	88.2	132.4
44	6.8	5.4	8.2



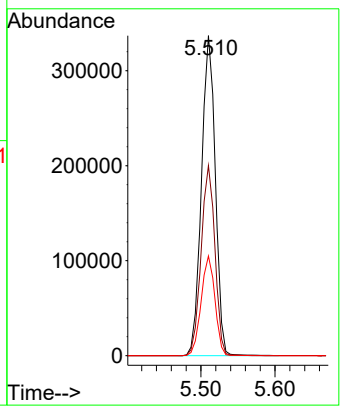


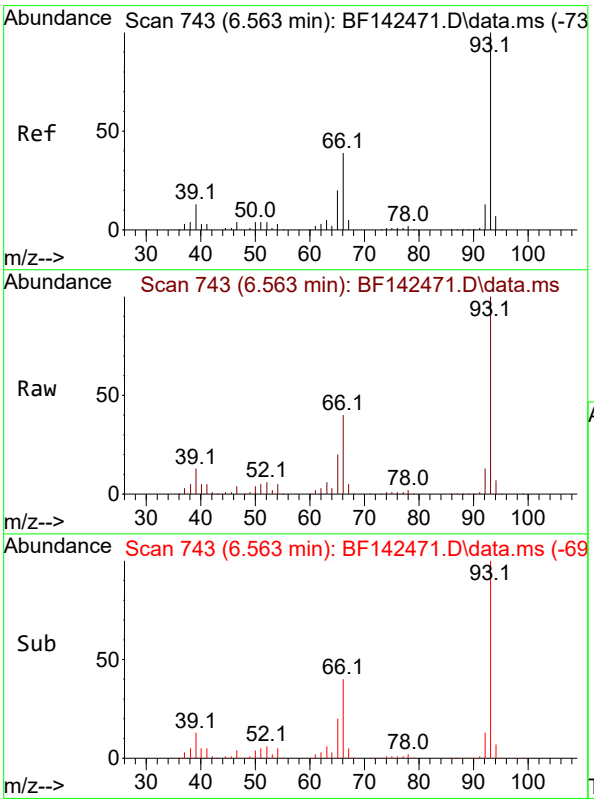
#5
2-Fluorophenol
Concen: 75.840 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 439258

Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.5	71.3
63	31.1	24.9	37.3

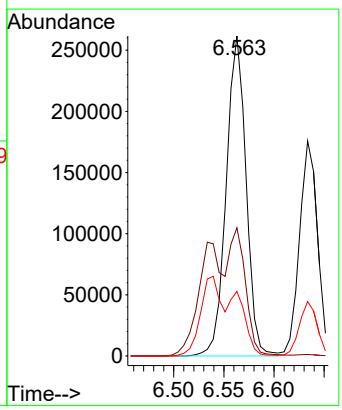


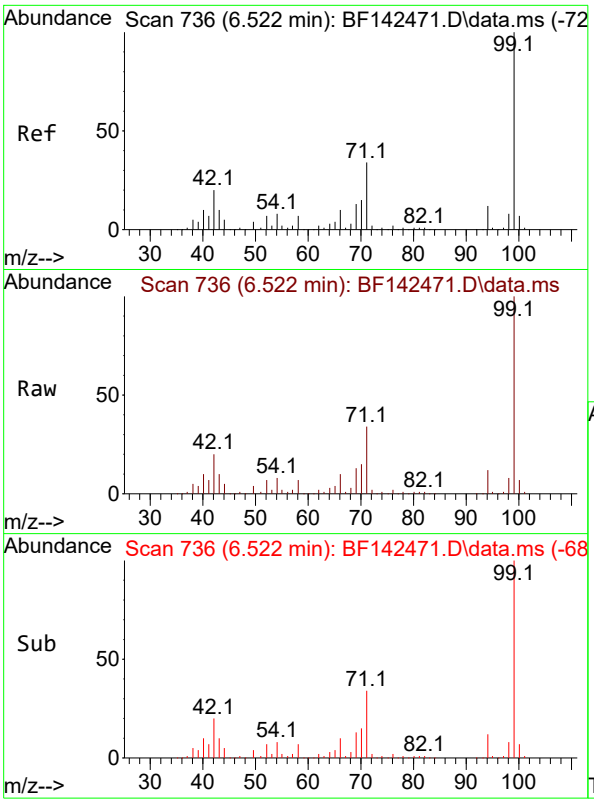


#6
Aniline
Concen: 38.378 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 93 Resp: 359784

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.0	48.0
65	20.1	16.1	24.1



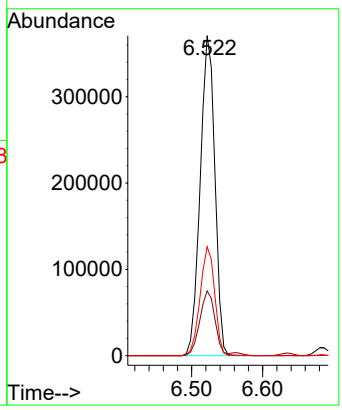


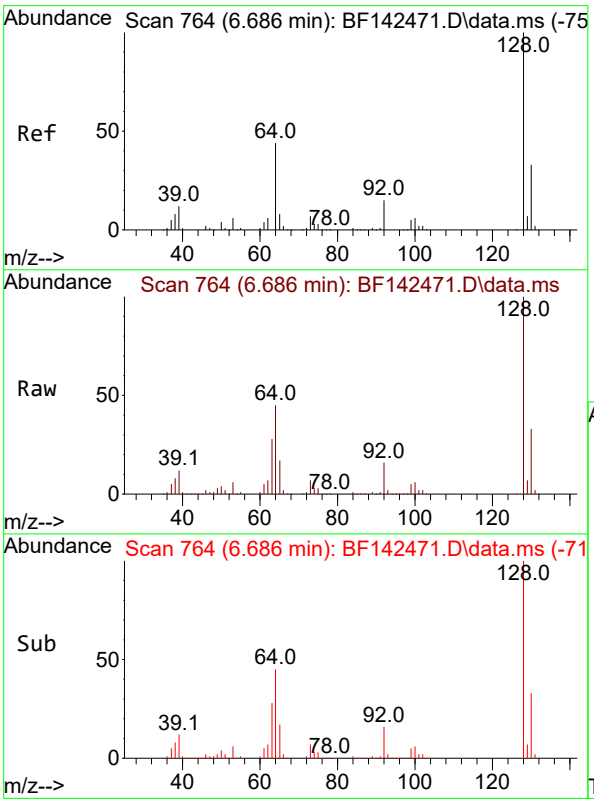
#7
Phenol-d6
Concen: 76.529 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 533569

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.1	27.3	40.9

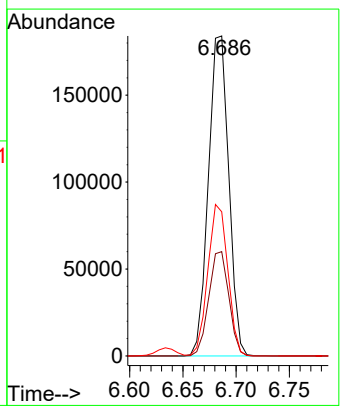


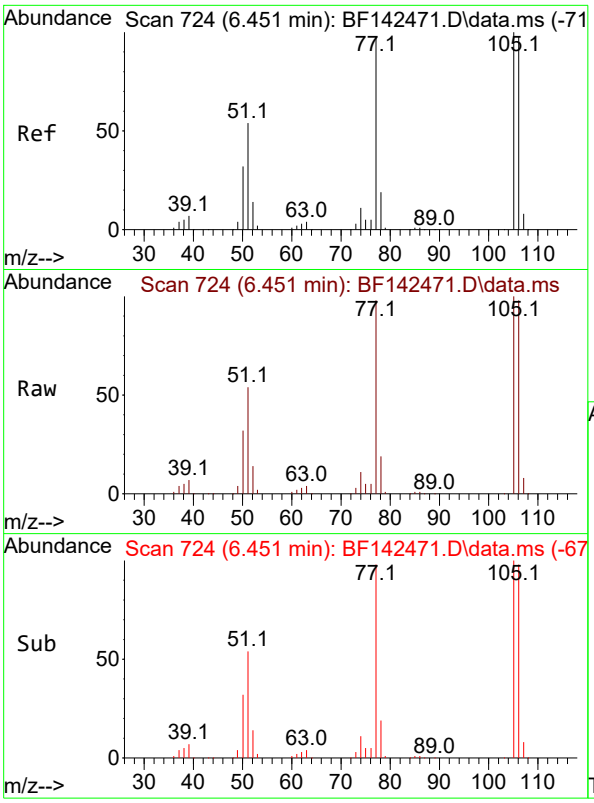


#8
2-Chlorophenol
Concen: 38.720 ng
RT: 6.686 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:128 Resp: 244270

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	45.1	25.1	65.1



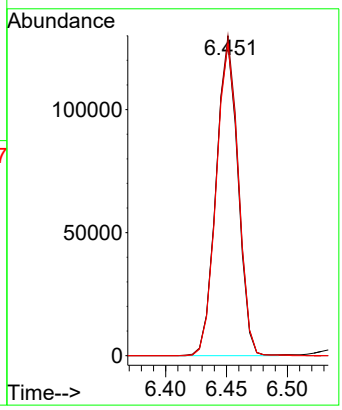


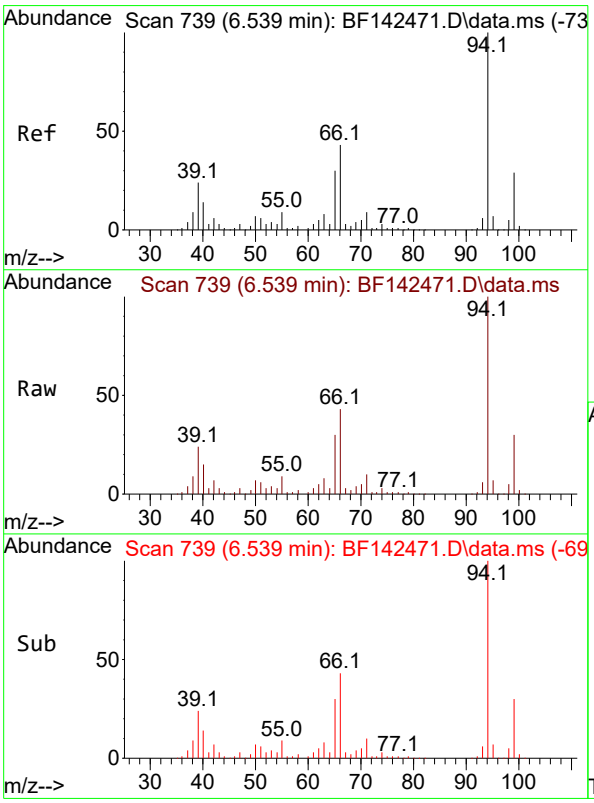
#9
Benzaldehyde
Concen: 38.033 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 159492

Ion	Ratio	Lower	Upper
77	100		
105	102.5	82.5	122.5
106	100.0	80.0	120.0

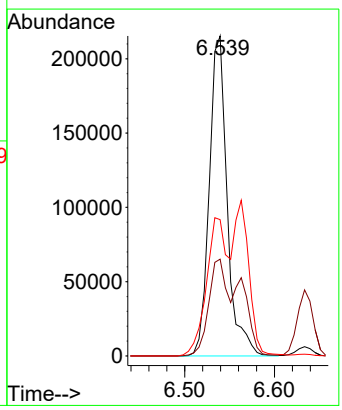


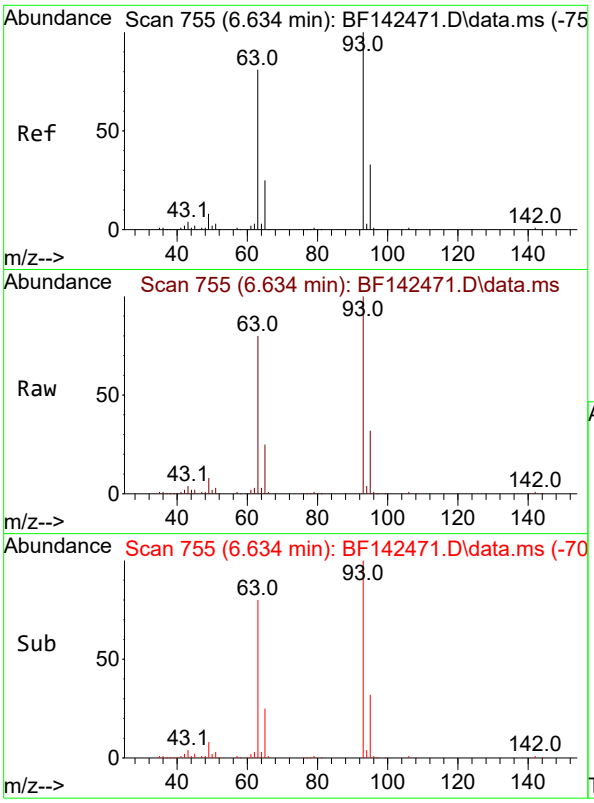


#10
Phenol
Concen: 38.073 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 94 Resp: 298690

Ion	Ratio	Lower	Upper
94	100		
65	30.3	10.3	50.3
66	42.6	22.6	62.6



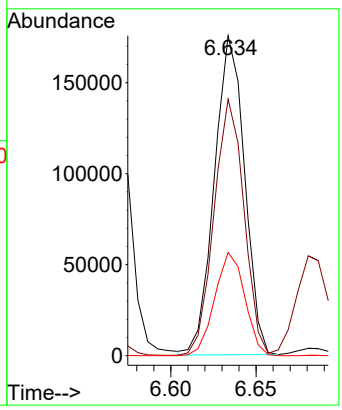


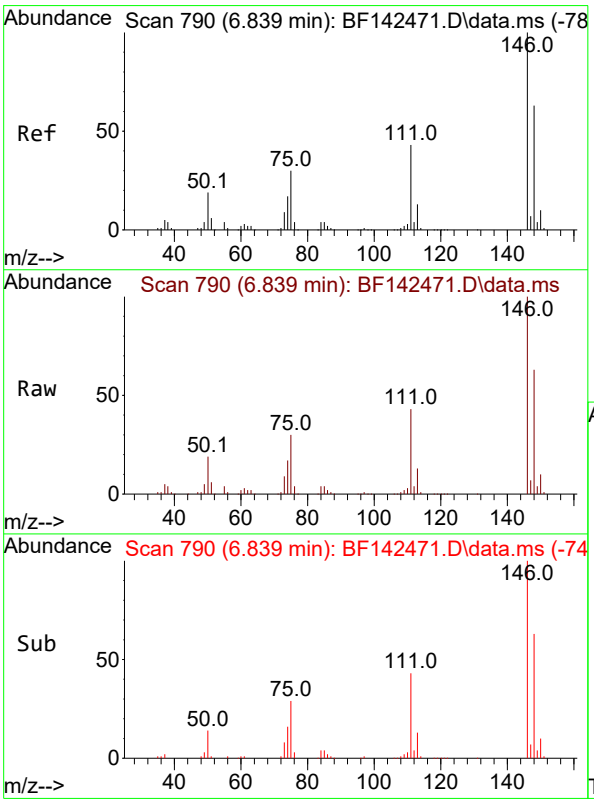
#11
bis(2-Chloroethyl)ether
Concen: 38.275 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 216144

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	32.3	12.3	52.3

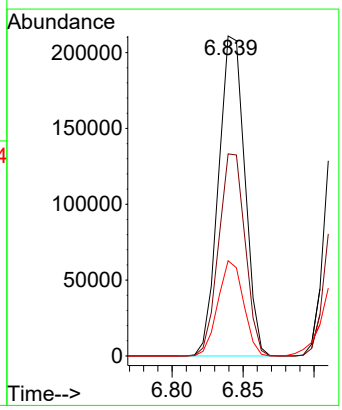


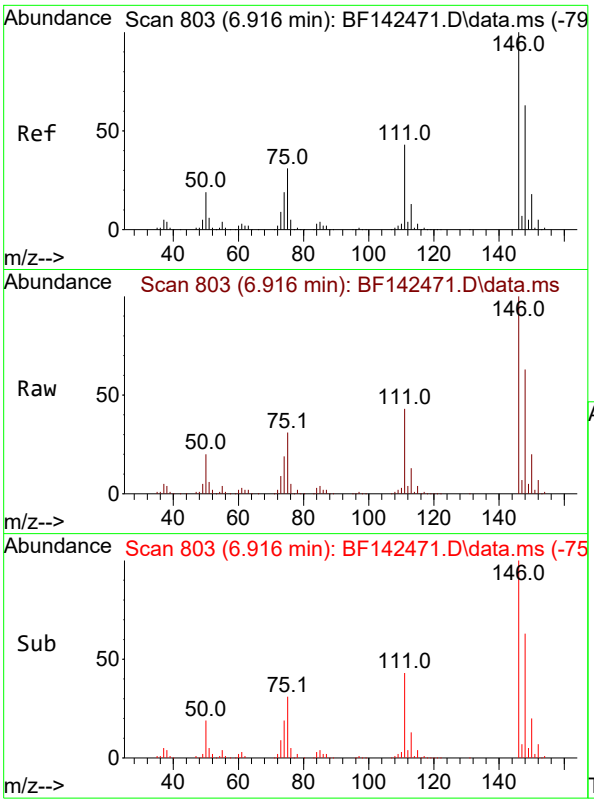


#12
1,3-Dichlorobenzene
Concen: 38.514 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:146 Resp: 271118

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
75	29.7	23.8	35.6



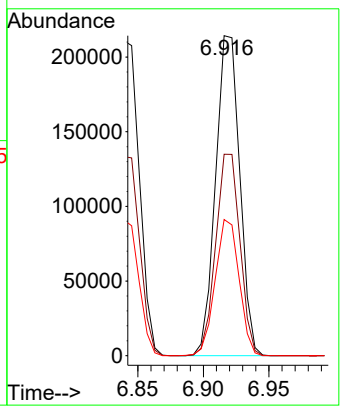


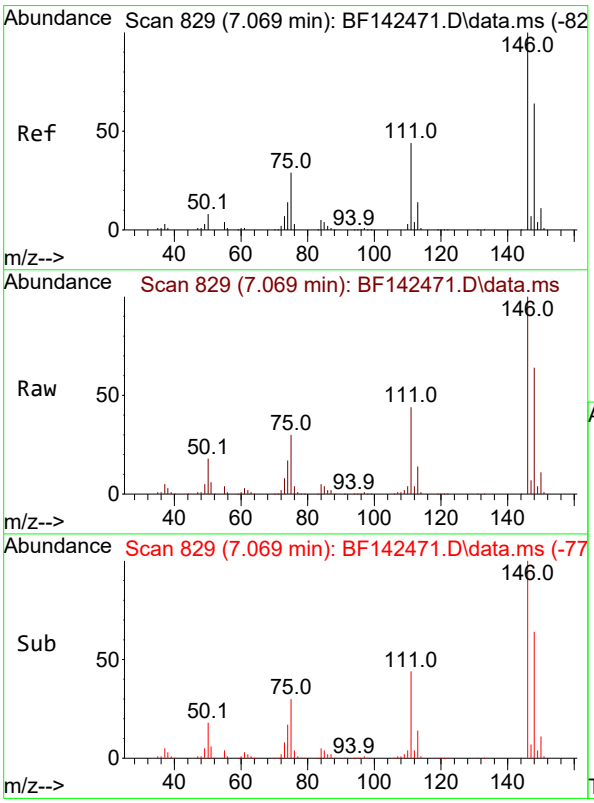
#13
1,4-Dichlorobenzene
Concen: 38.727 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 274616

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	42.6	34.1	51.1

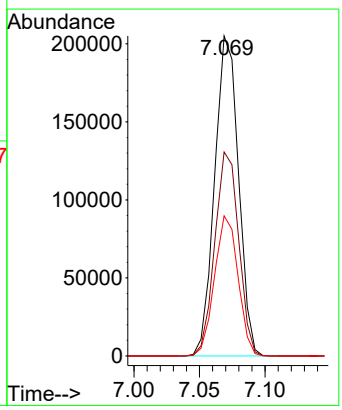


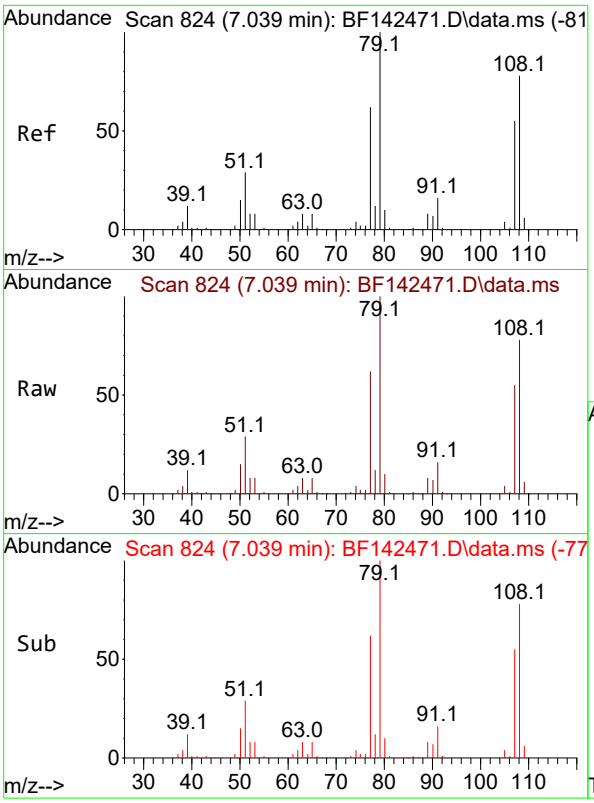


#14
1,2-Dichlorobenzene
Concen: 38.156 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:146 Resp: 258896

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.8	35.0	52.6



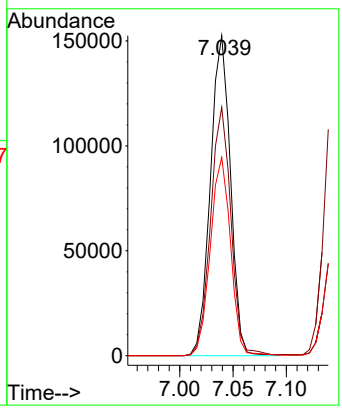


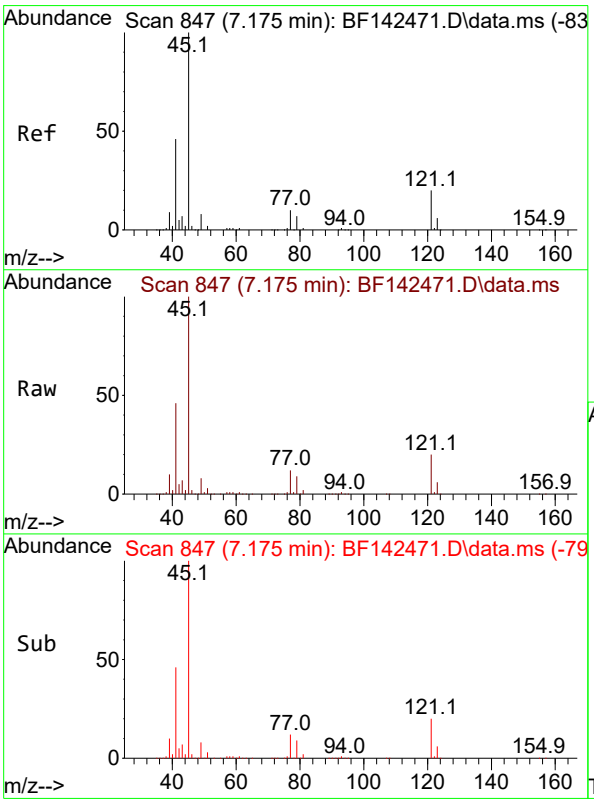
#15
Benzyl Alcohol
Concen: 38.657 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 199176

Ion	Ratio	Lower	Upper
79	100		
108	77.6	62.1	93.1
77	61.9	49.5	74.3

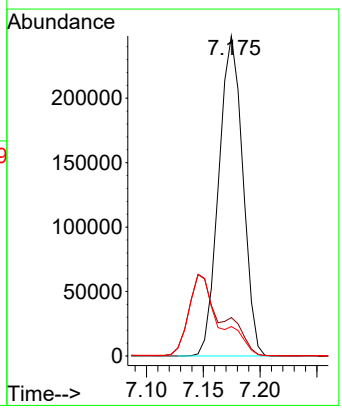


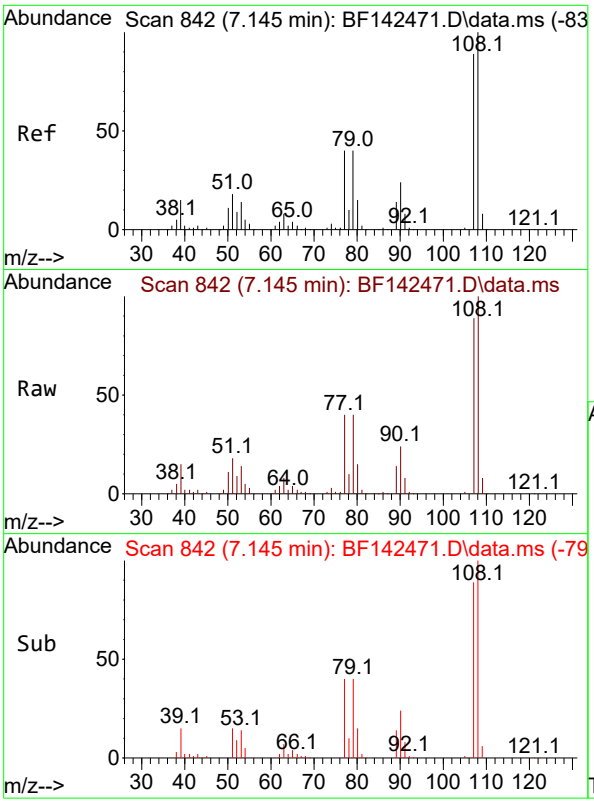


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.439 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 45 Resp: 364537

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.0
79	9.2	0.0	29.2



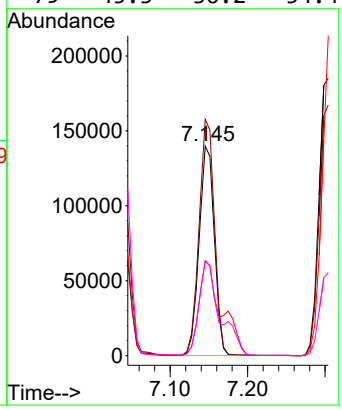


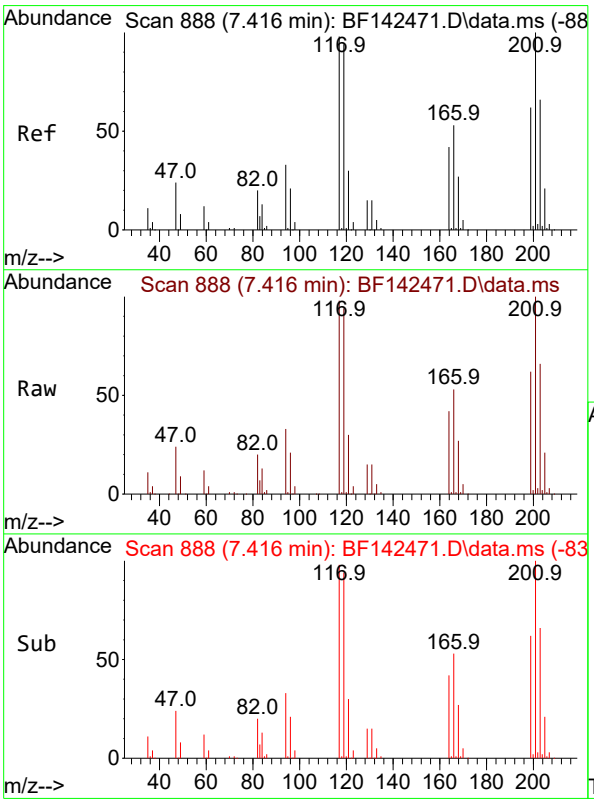
#17
2-Methylphenol
Concen: 38.677 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 190501

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.2	135.2
77	45.1	36.1	54.1
79	45.3	36.2	54.4

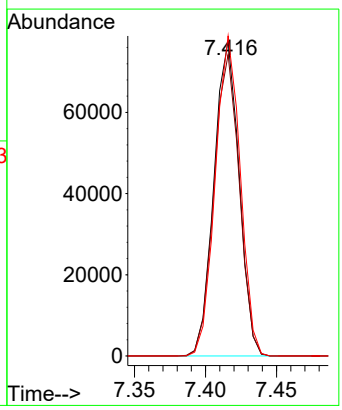


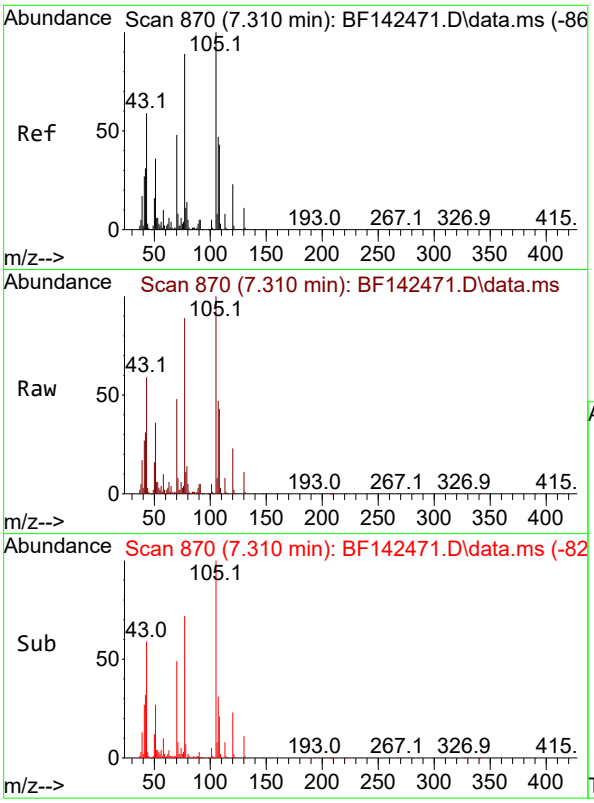


#18
Hexachloroethane
Concen: 38.543 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:117 Resp: 95436

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	101.6	81.3	121.9



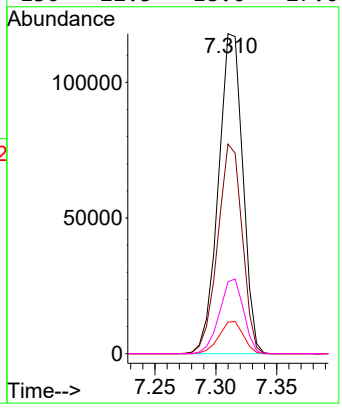


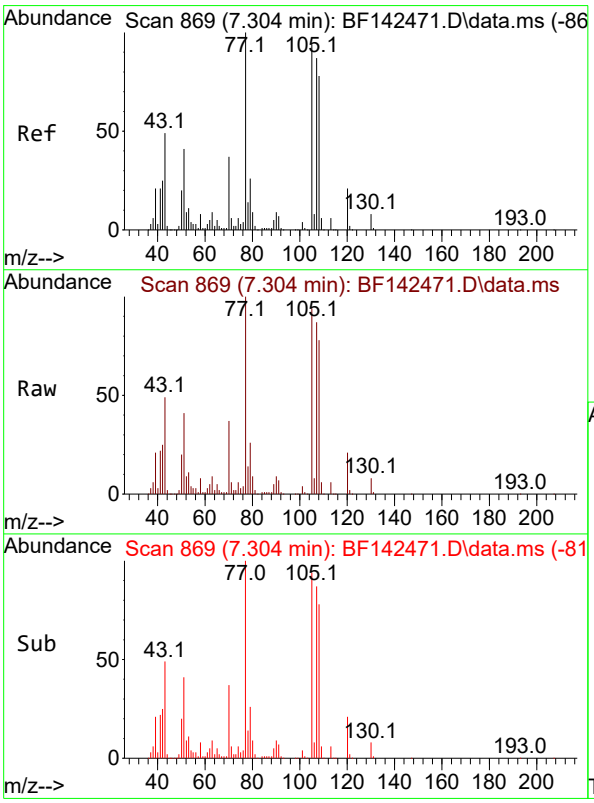
#19
n-Nitroso-di-n-propylamine
Concen: 38.083 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 164556

Ion	Ratio	Lower	Upper
70	100		
42	65.5	52.4	78.6
101	9.8	7.8	11.8
130	22.5	18.0	27.0

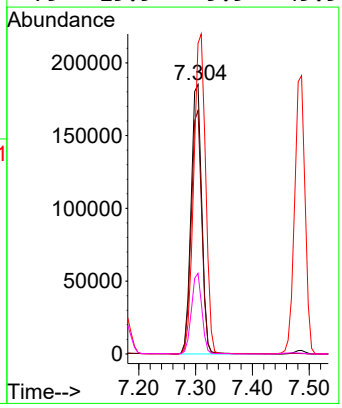


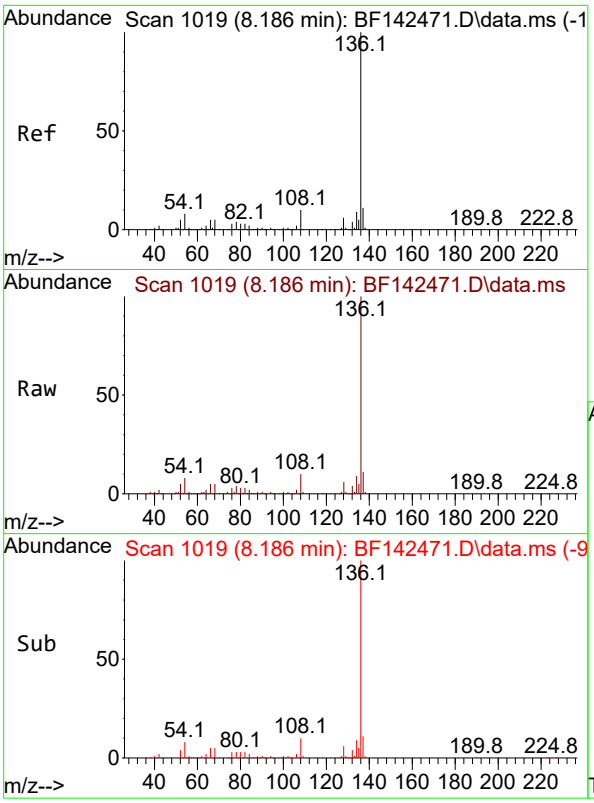


#20
3+4-Methylphenols
Concen: 38.538 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:107 Resp: 243075

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.4	110.4
77	115.4	95.4	135.4
79	29.9	9.9	49.9



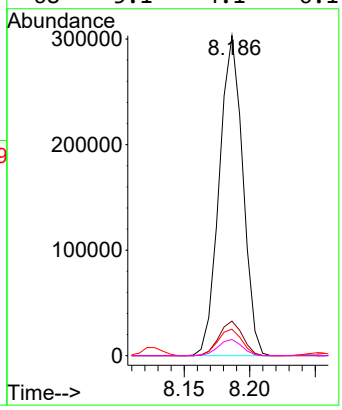


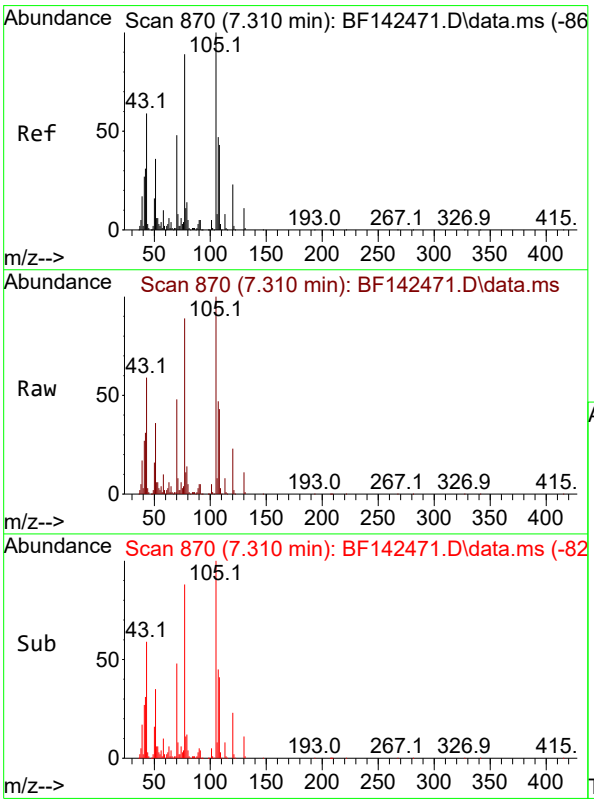
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 377433

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	6.6	10.0
68	5.1	4.1	6.1

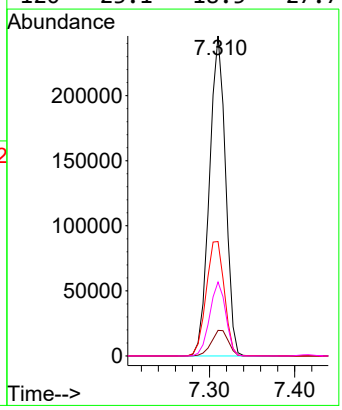


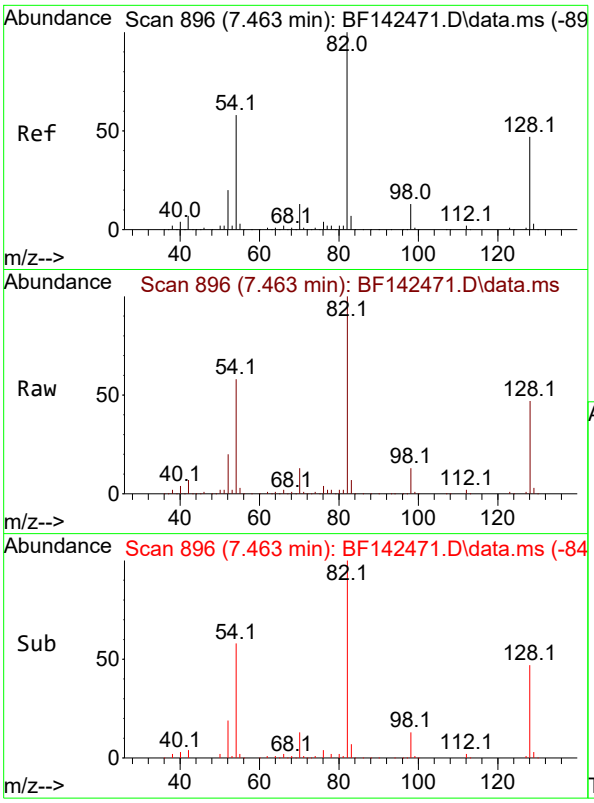


#22
Acetophenone
Concen: 38.740 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:105 Resp: 323676

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.4	9.6
51	35.7	28.6	42.8
120	23.1	18.5	27.7



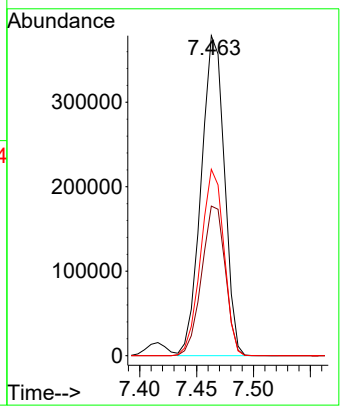


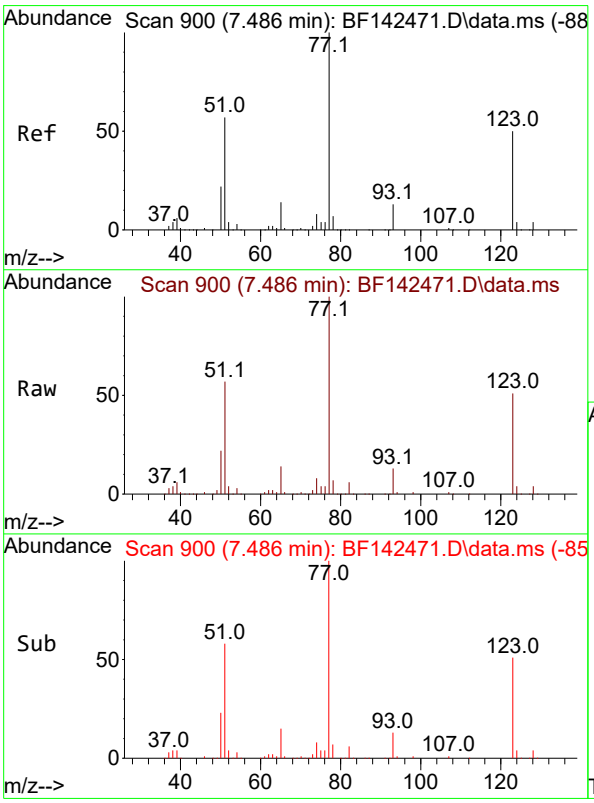
#23
Nitrobenzene-d5
Concen: 77.702 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 537832

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	58.3	46.6	70.0

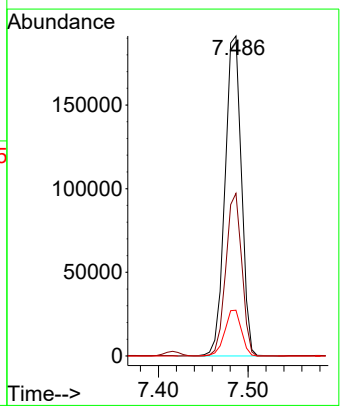


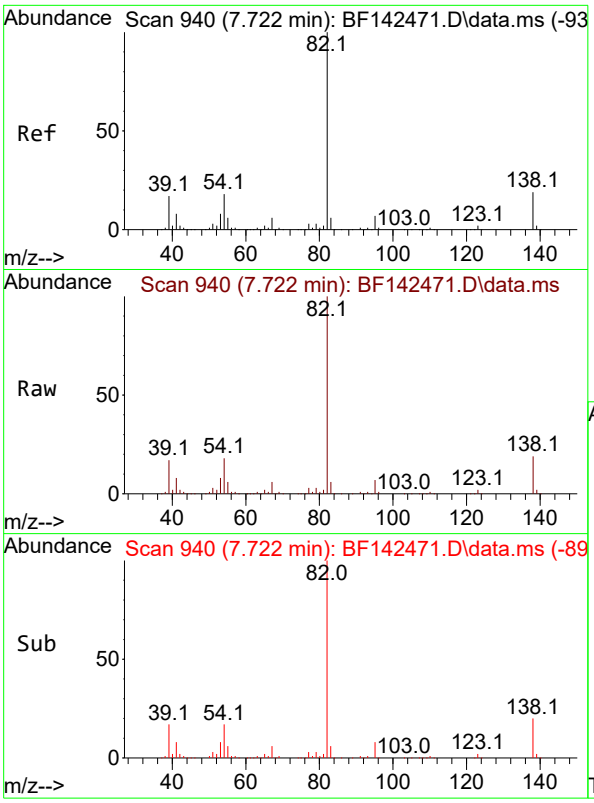


#24
Nitrobenzene
Concen: 38.996 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 77 Resp: 243446

Ion	Ratio	Lower	Upper
77	100		
123	50.8	40.6	61.0
65	14.3	11.4	17.2



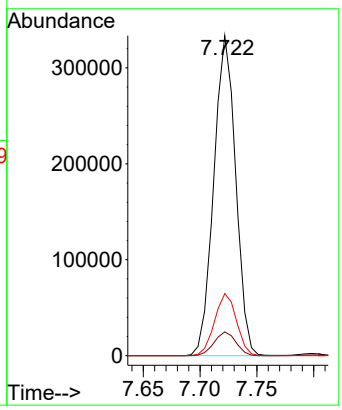


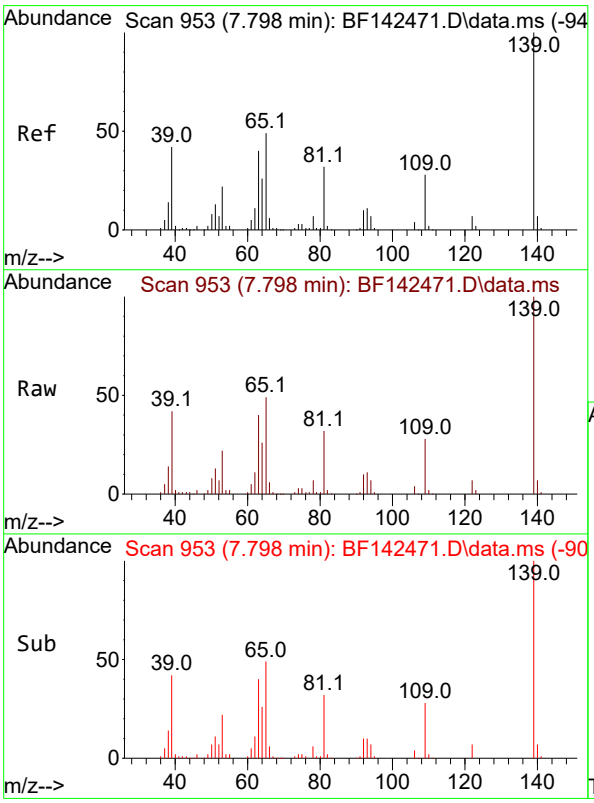
#25
Isophorone
Concen: 38.653 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 447323

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	19.4	15.5	23.3

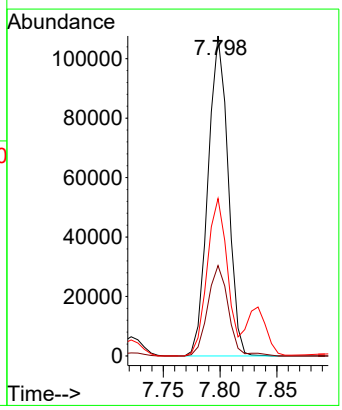


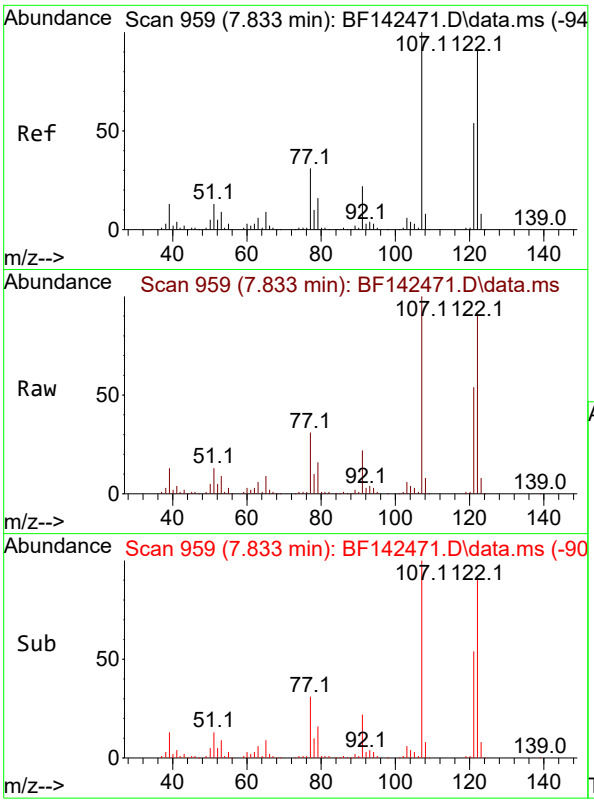


#26
2-Nitrophenol
Concen: 39.646 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:139 Resp: 132248

Ion	Ratio	Lower	Upper
139	100		
109	28.2	22.6	33.8
65	49.2	39.4	59.0



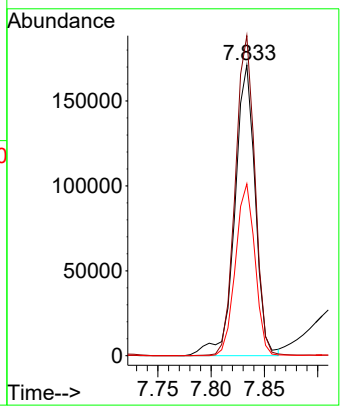


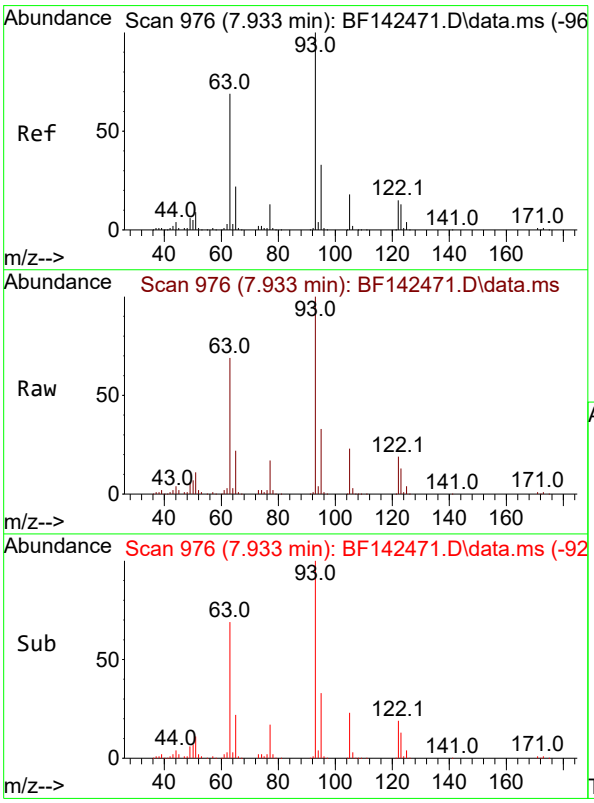
#27
2,4-Dimethylphenol
Concen: 38.858 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 228588

Ion	Ratio	Lower	Upper
122	100		
107	110.1	88.1	132.1
121	59.1	47.3	70.9

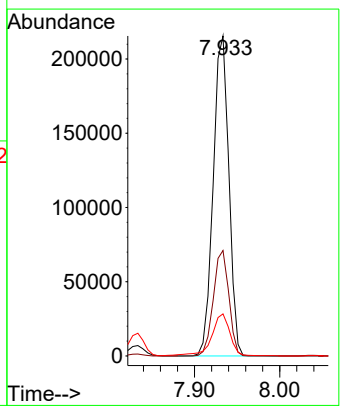


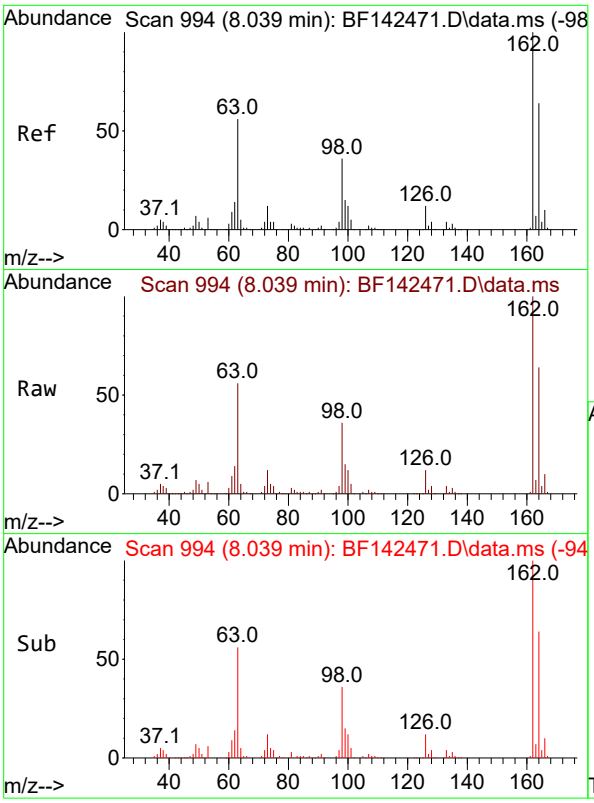


#28
bis(2-Chloroethoxy)methane
Concen: 38.002 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 93 Resp: 274724

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.4	39.6
123	13.2	10.6	15.8



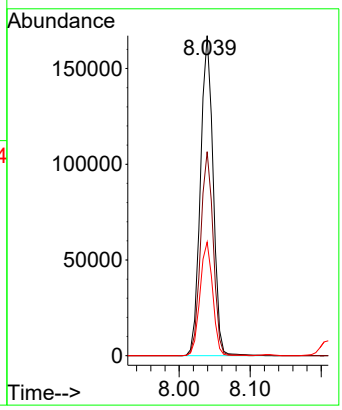


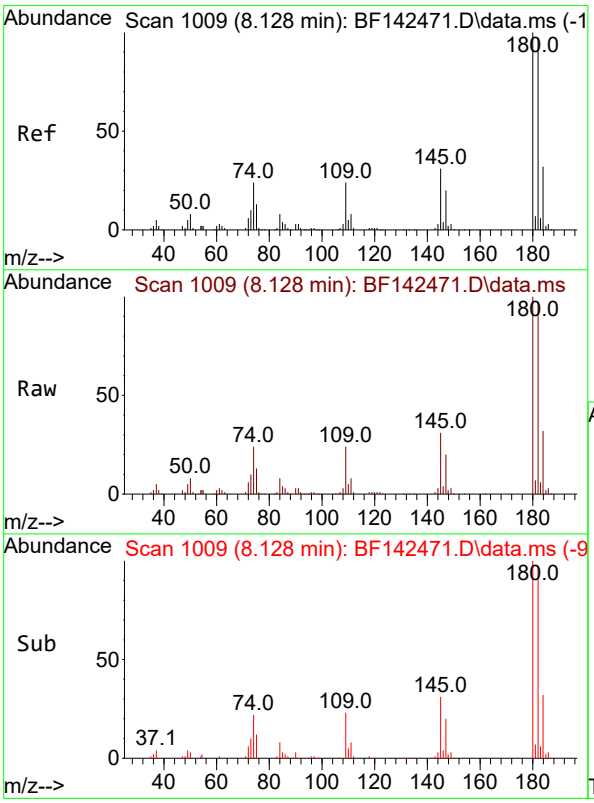
#29
2,4-Dichlorophenol
Concen: 38.963 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 208444

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.7	83.7
98	35.5	15.5	55.5

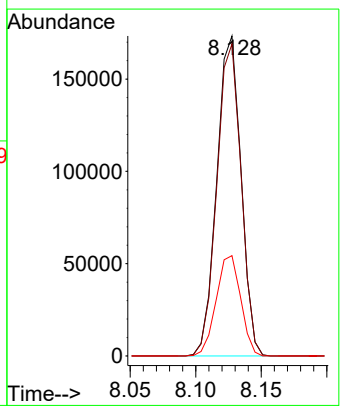


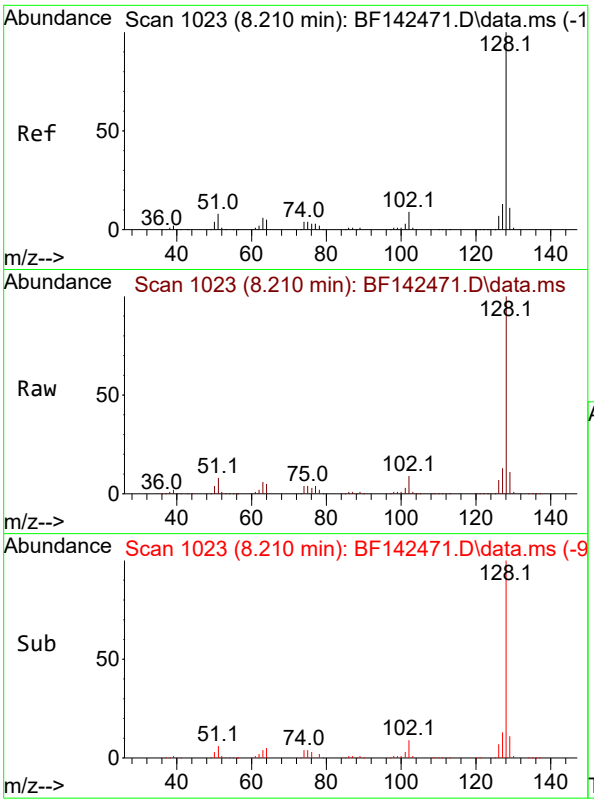


#30
1,2,4-Trichlorobenzene
Concen: 38.342 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:180 Resp: 222613

Ion	Ratio	Lower	Upper
180	100		
182	97.5	78.0	117.0
145	31.3	25.0	37.6



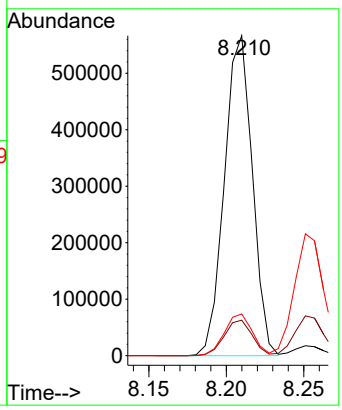


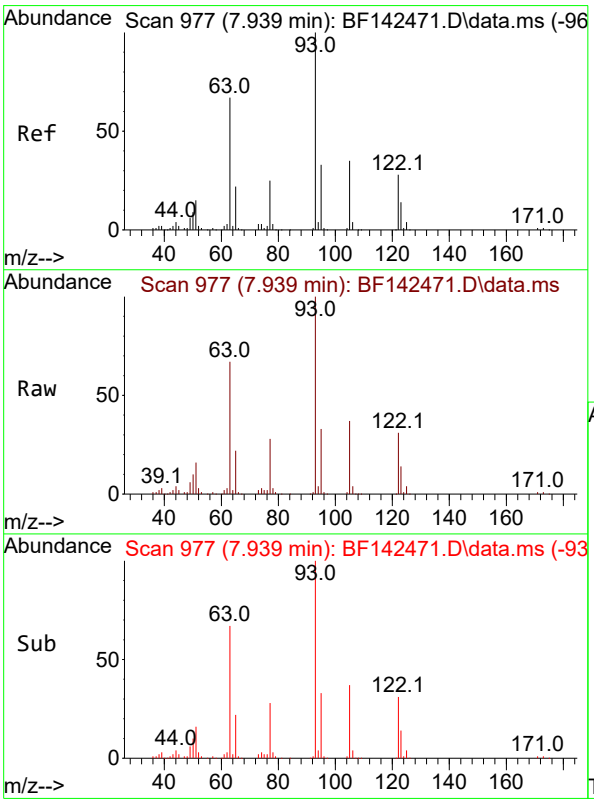
#31
Naphthalene
Concen: 38.223 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 710368

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.1	10.5	15.7

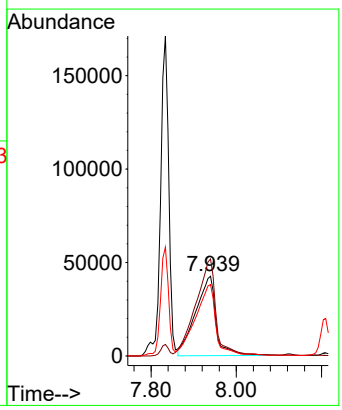


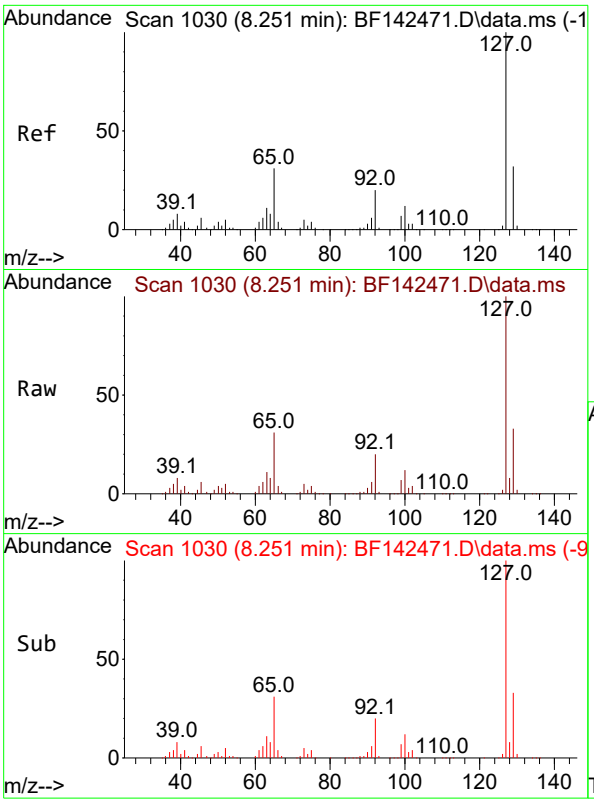


#32
Benzoic acid
Concen: 39.672 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:122 Resp: 142061

Ion	Ratio	Lower	Upper
122	100		
105	121.7	101.7	141.7
77	89.5	69.5	109.5



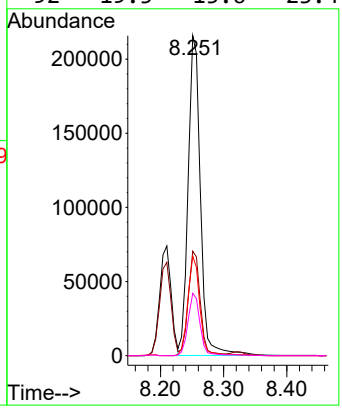


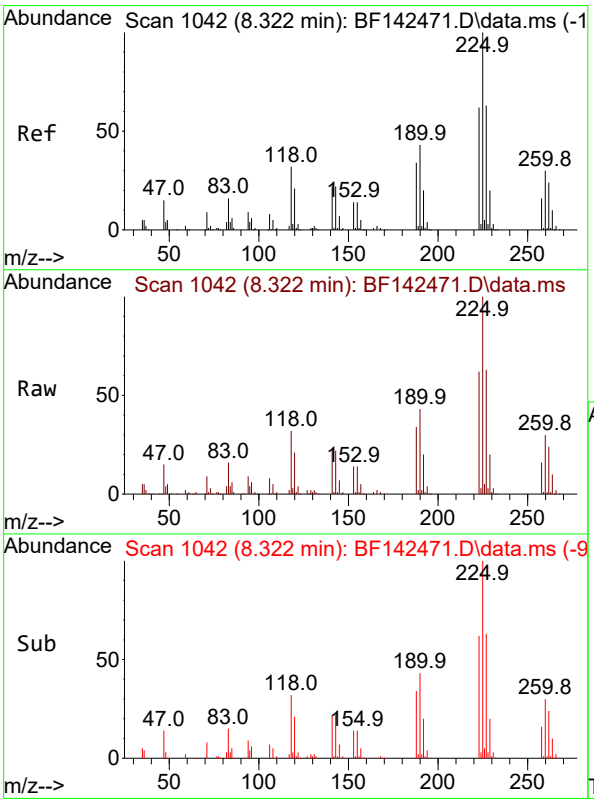
#33
4-Chloroaniline
Concen: 38.957 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 293373

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.1	24.9	37.3
92	19.5	15.6	23.4

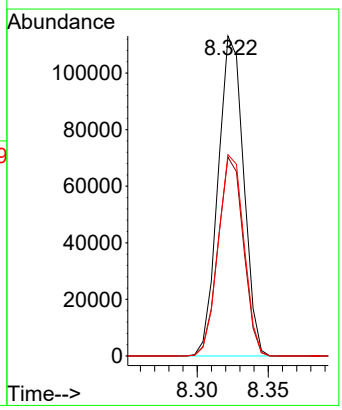


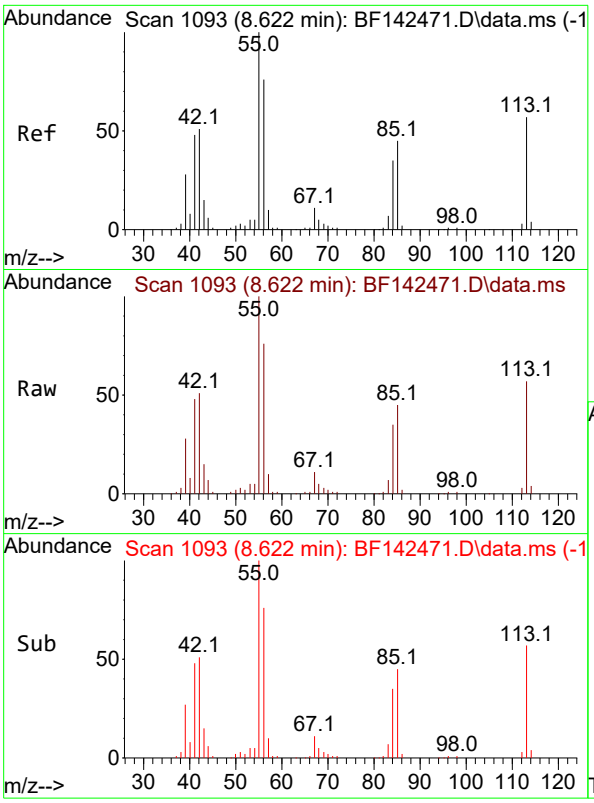


#34
Hexachlorobutadiene
Concen: 38.949 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:225 Resp: 141200

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	62.9	50.3	75.5



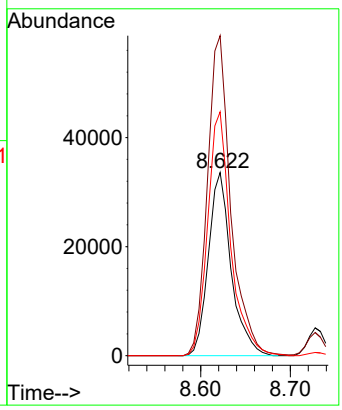


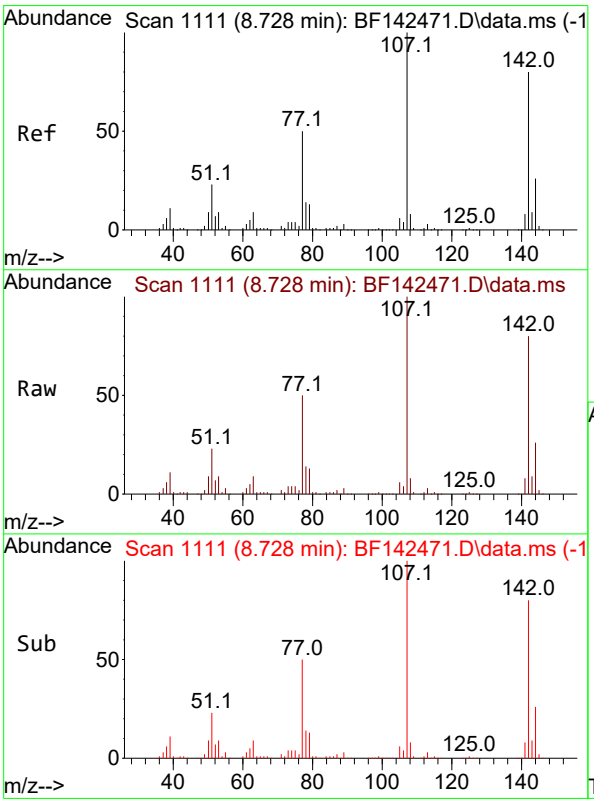
#35
Caprolactam
Concen: 39.473 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 59309

Ion	Ratio	Lower	Upper
113	100		
55	174.7	154.7	194.7
56	133.2	113.2	153.2

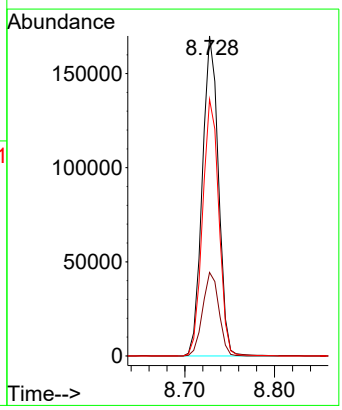


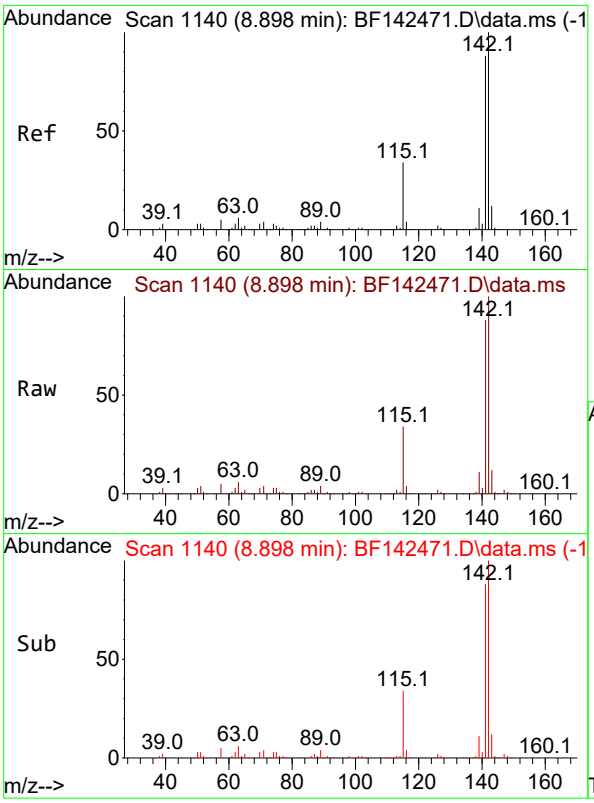


#36
4-Chloro-3-methylphenol
Concen: 38.800 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:107 Resp: 212728

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.9	31.3
142	80.2	64.2	96.2



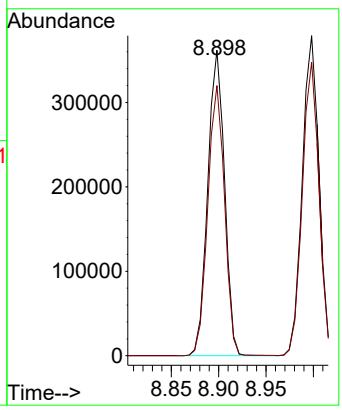


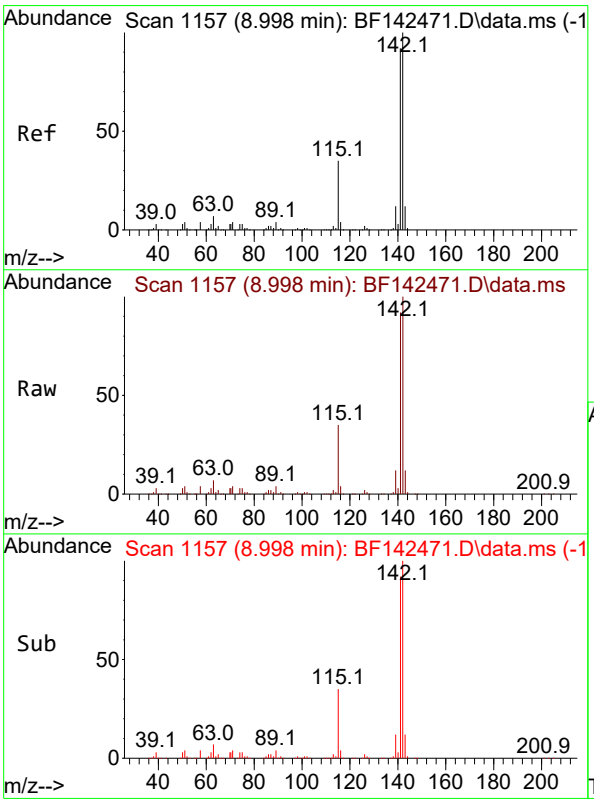
#37
2-Methylnaphthalene
Concen: 38.092 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 445368

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.7	106.1

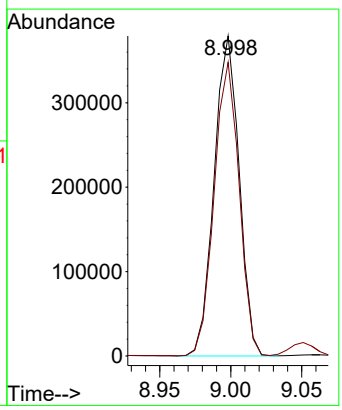


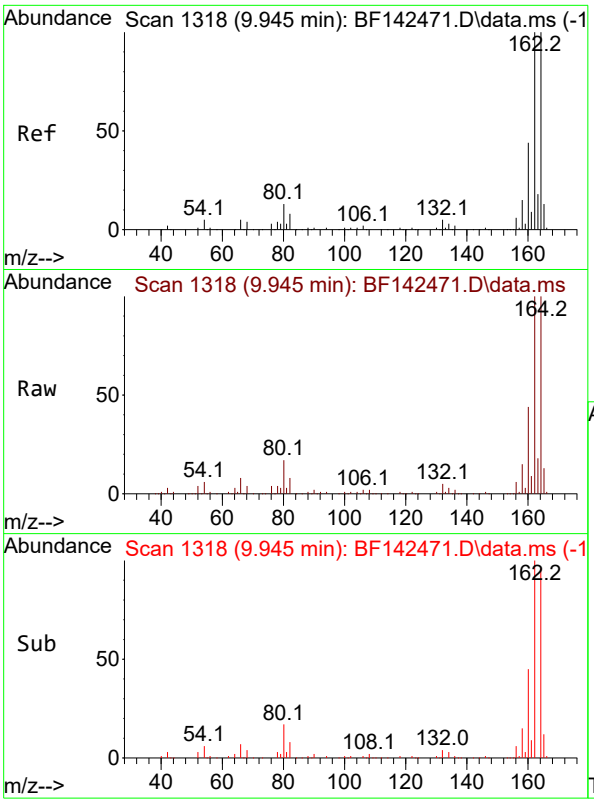


#38
1-Methylnaphthalene
Concen: 38.397 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:142 Resp: 464365

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2



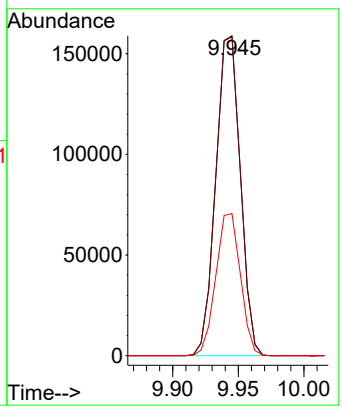


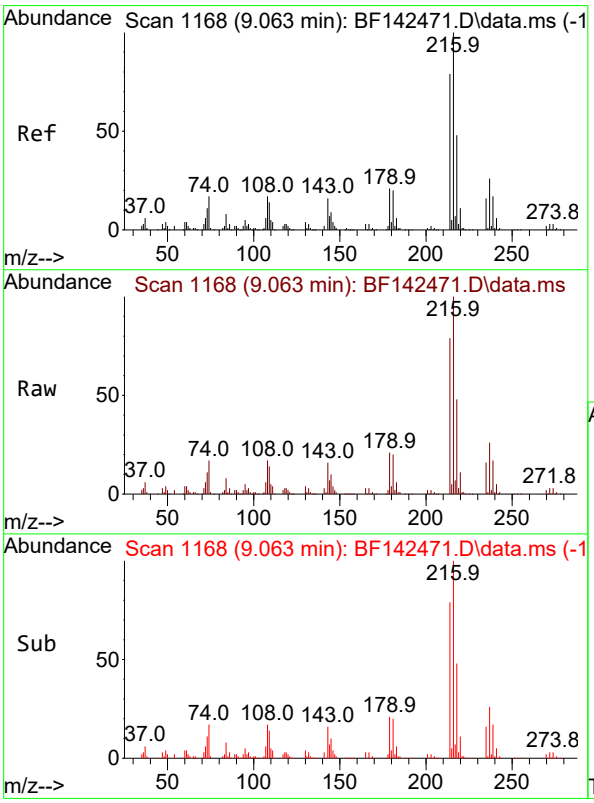
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 206343

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.4
160	44.5	35.6	53.4

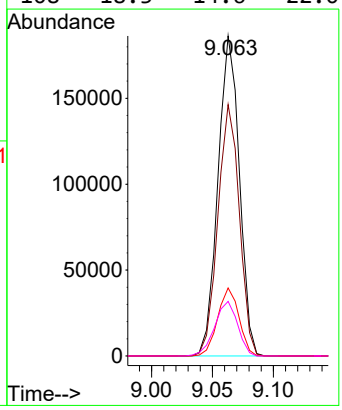


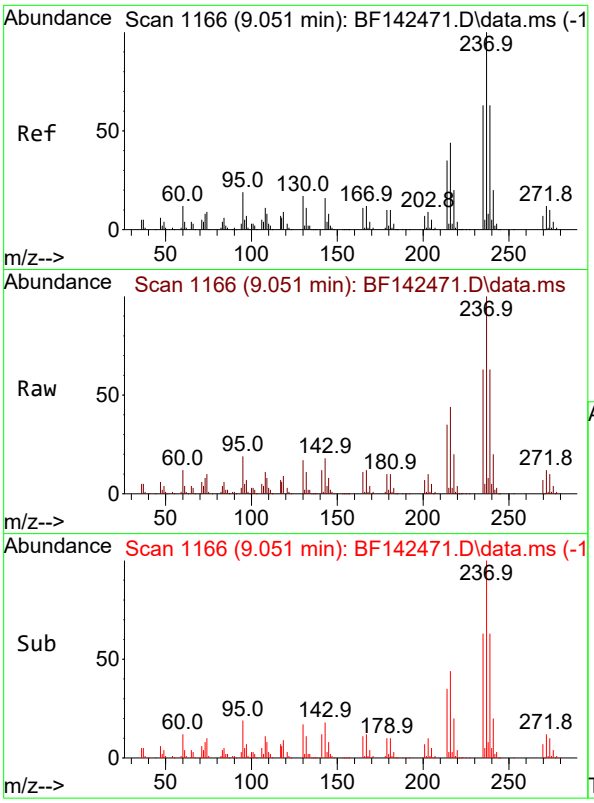


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.439 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:216 Resp: 227685

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.9	94.3
179	21.1	16.9	25.3
108	18.3	14.6	22.0



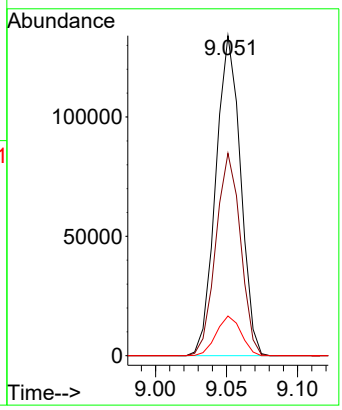


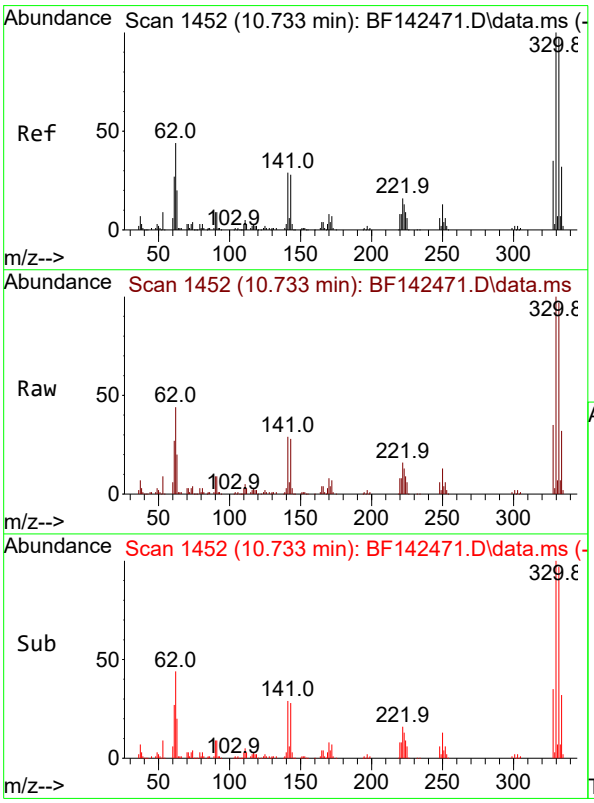
#41
Hexachlorocyclopentadiene
Concen: 40.622 ng
RT: 9.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 162314

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	12.4	0.0	32.4

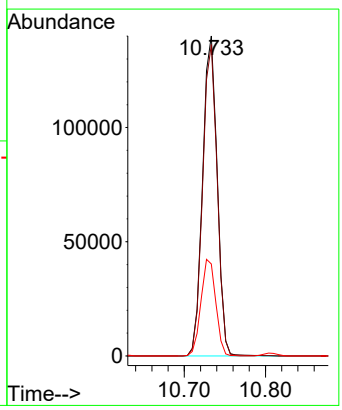


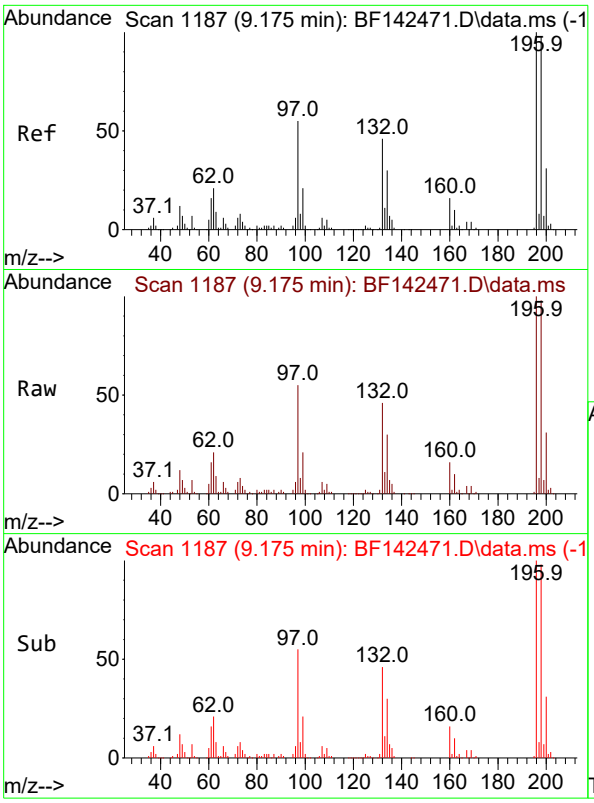


#42
2,4,6-Tribromophenol
Concen: 76.189 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:330 Resp: 174483

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.7	24.6	36.8



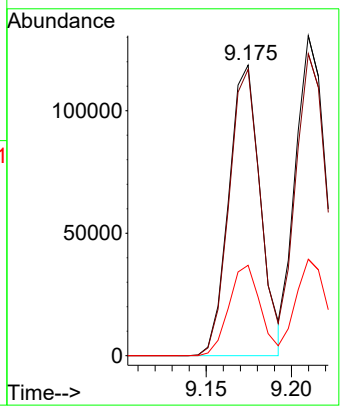


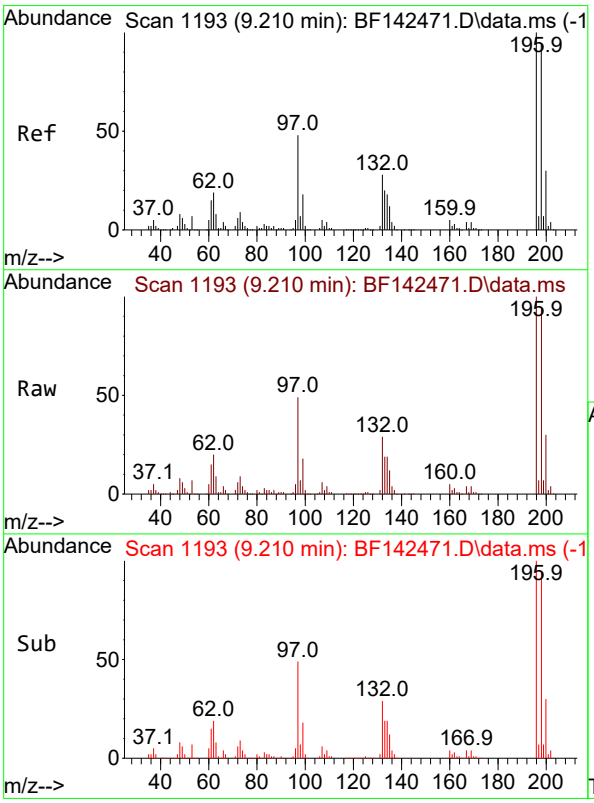
#43
2,4,6-Trichlorophenol
Concen: 38.383 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 153308

Ion	Ratio	Lower	Upper
196	100		
198	98.5	78.8	118.2
200	31.1	24.9	37.3

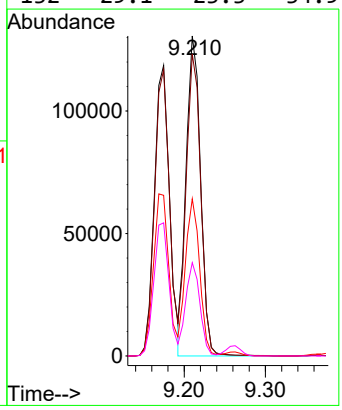


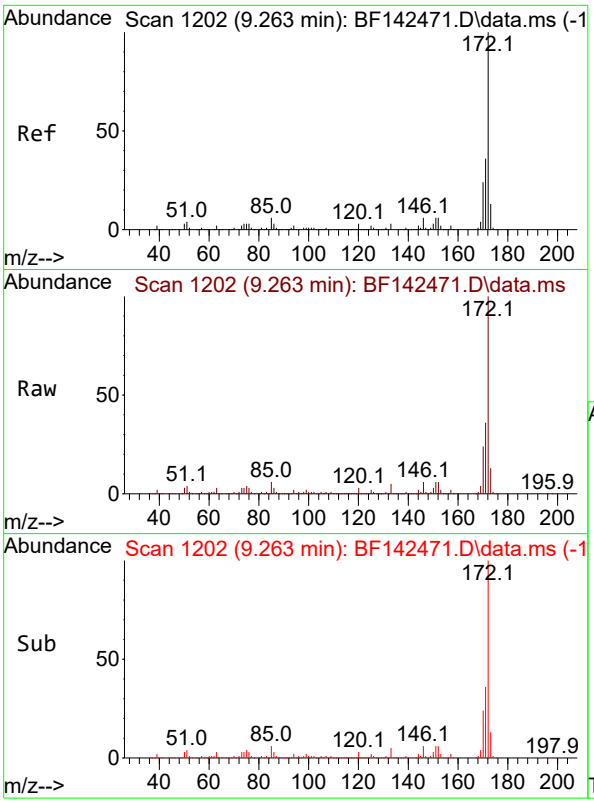


#44
2,4,5-Trichlorophenol
Concen: 38.667 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:196 Resp: 162880

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	49.1	39.3	58.9
132	29.1	23.3	34.9



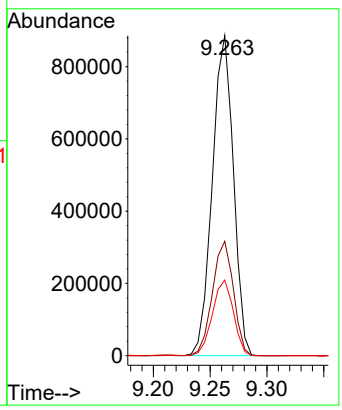


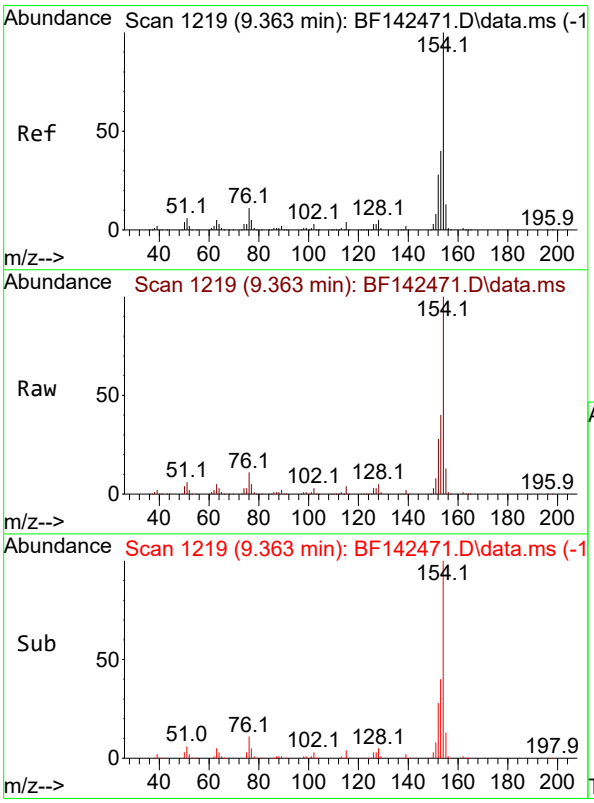
#45
2-Fluorobiphenyl
Concen: 74.452 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1144883

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	18.9	28.3

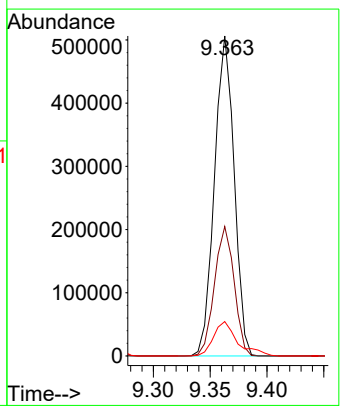


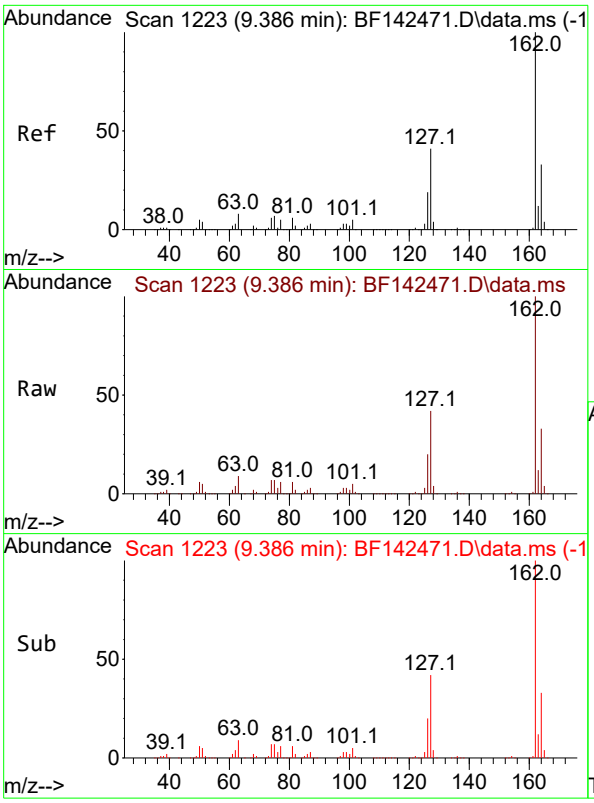


#46
1,1'-Biphenyl
Concen: 38.146 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:154 Resp: 610663

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



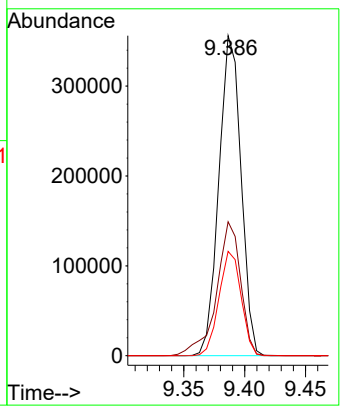


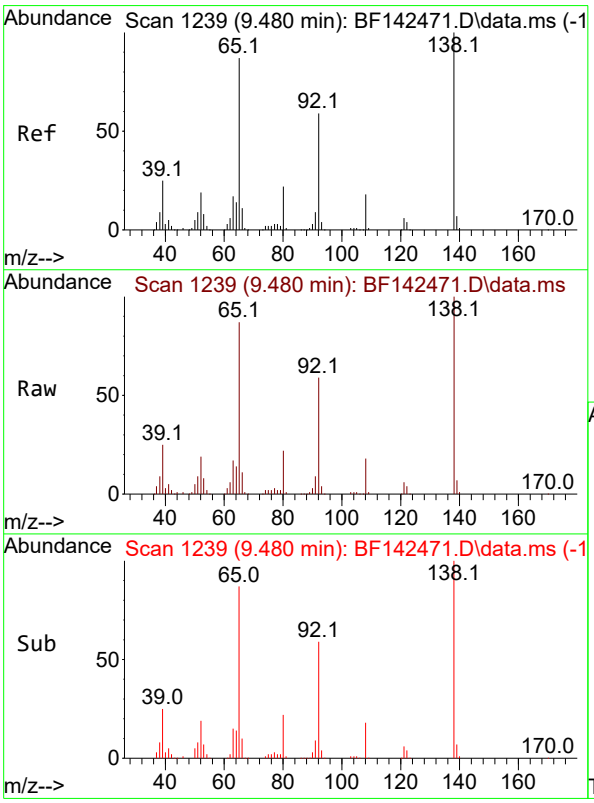
#47
2-Chloronaphthalene
Concen: 38.185 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 451638

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.5	50.3
164	32.6	26.1	39.1

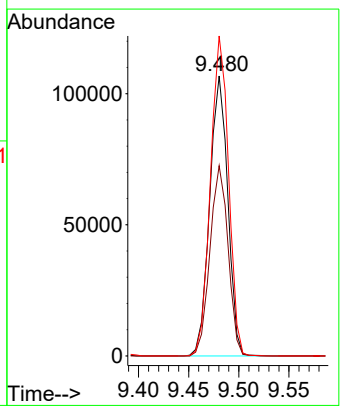


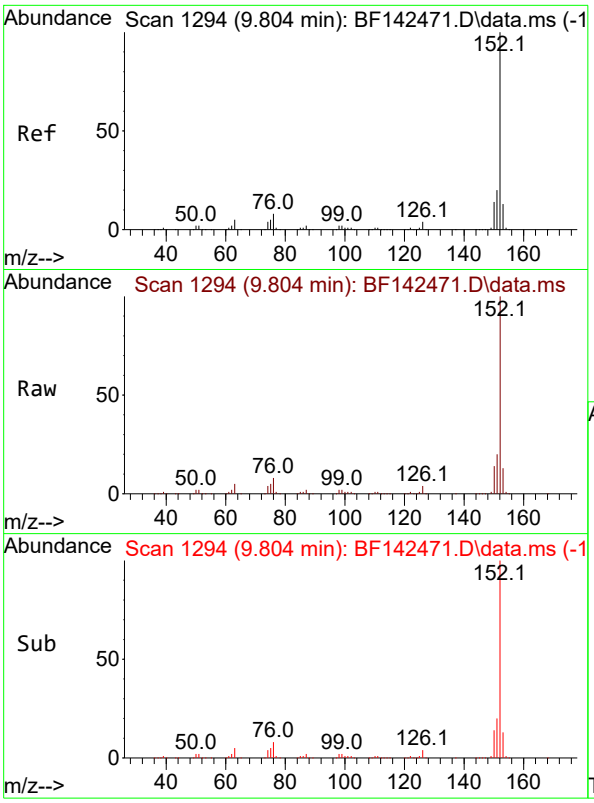


#48
2-Nitroaniline
Concen: 39.102 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion: 65 Resp: 133679

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	114.3	91.4	137.2



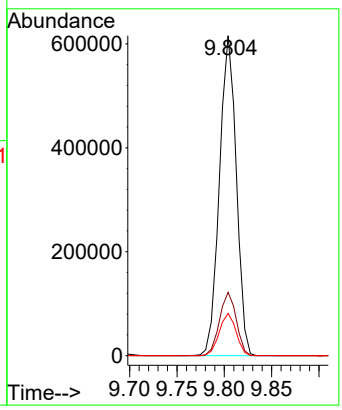


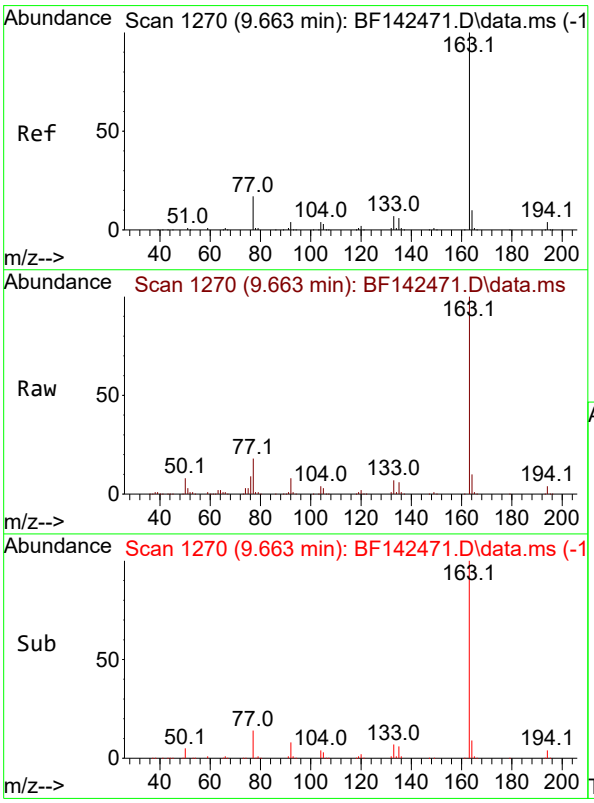
#49
Acenaphthylene
Concen: 38.240 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 763730

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	15.8

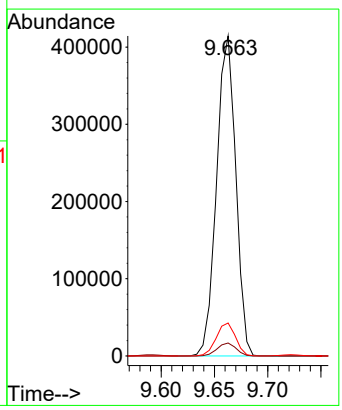


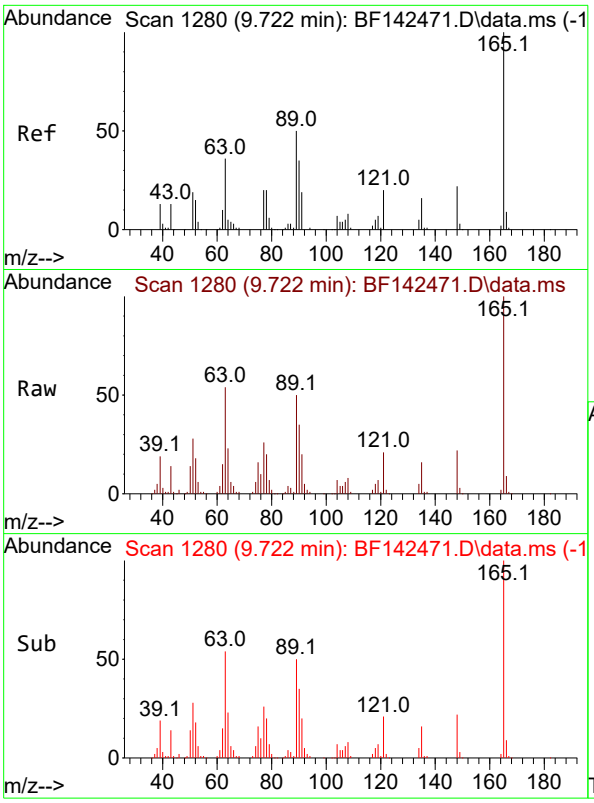


#50
Dimethylphthalate
Concen: 38.051 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:163 Resp: 518078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.3	8.2	12.4



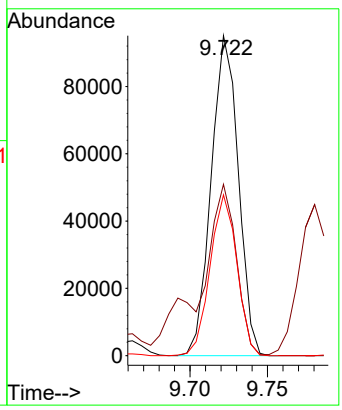


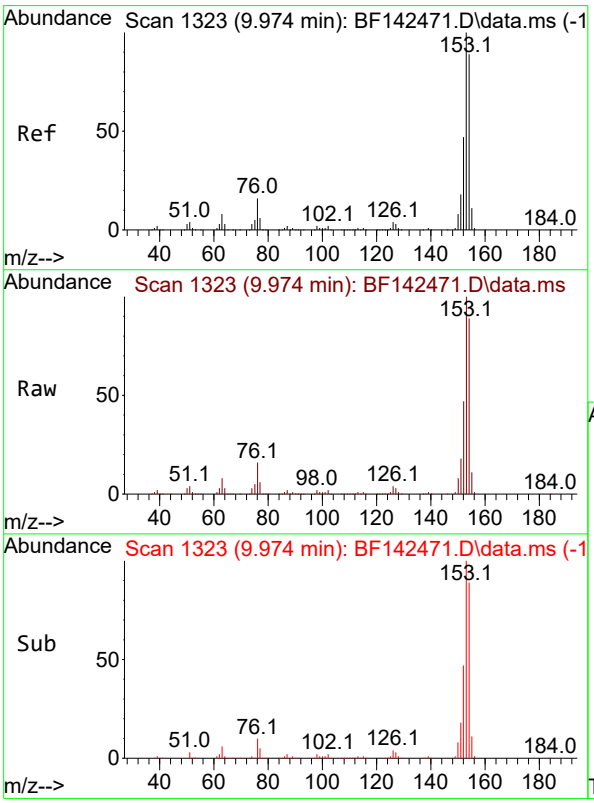
#51
2,6-Dinitrotoluene
Concen: 39.370 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 115691

Ion	Ratio	Lower	Upper
165	100		
63	53.6	42.9	64.3
89	50.3	40.2	60.4

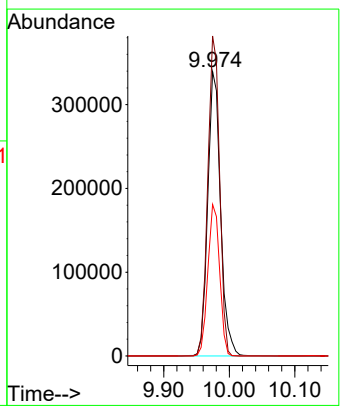


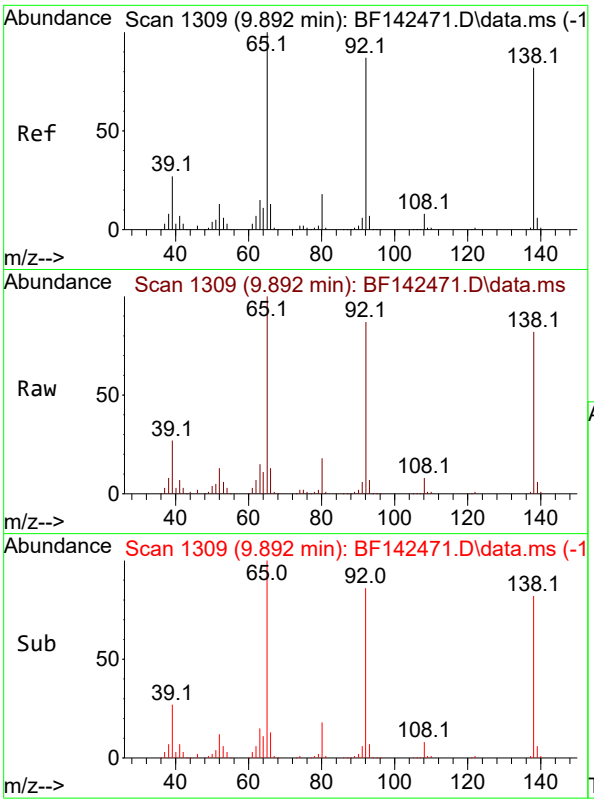


#52
Acenaphthene
Concen: 37.904 ng
RT: 9.974 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:154 Resp: 462249

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	53.3	42.6	64.0



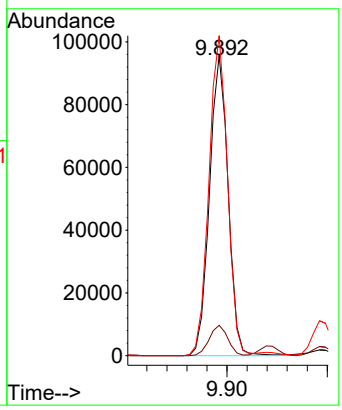


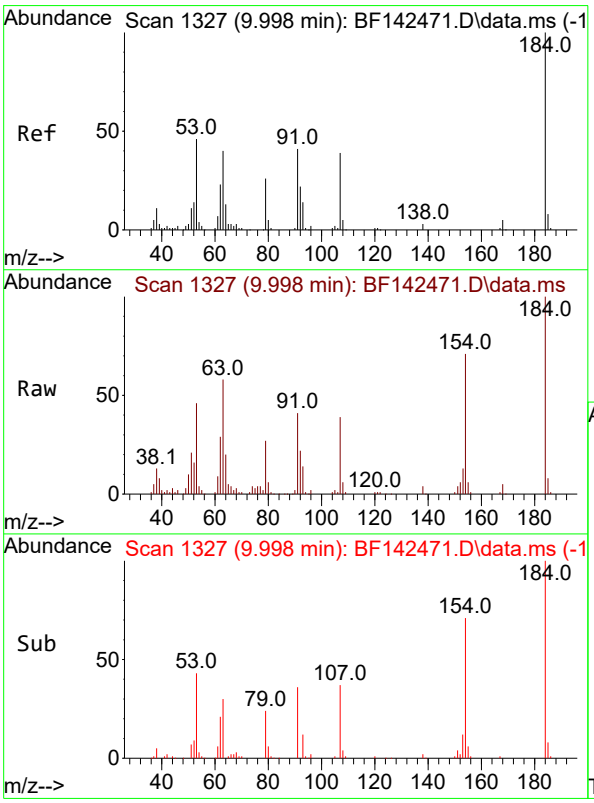
#53
3-Nitroaniline
Concen: 38.413 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 123293

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.5	85.2	127.8

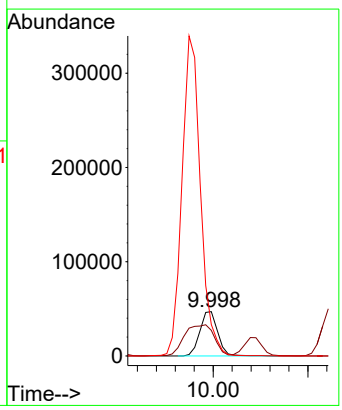


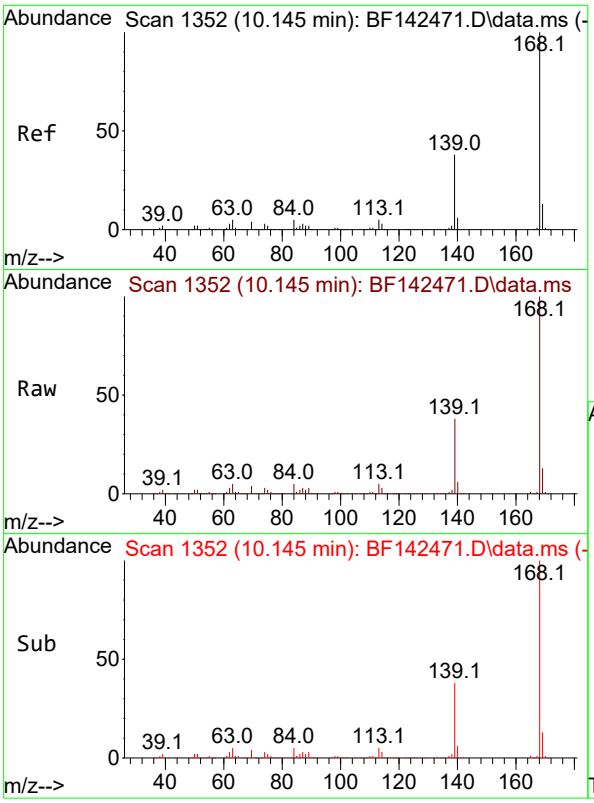


#54
2,4-Dinitrophenol
Concen: 40.477 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:184 Resp: 61452

Ion	Ratio	Lower	Upper
184	100		
63	57.9	46.3	69.5
154	71.0	56.8	85.2



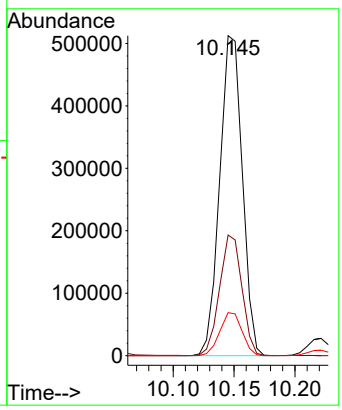


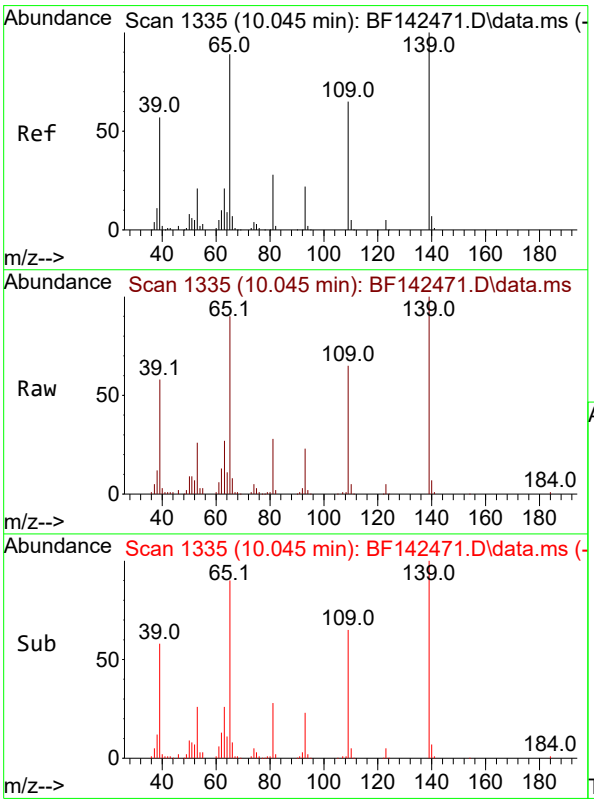
#55
Dibenzofuran
Concen: 37.758 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 662626

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.2
169	13.4	10.7	16.1

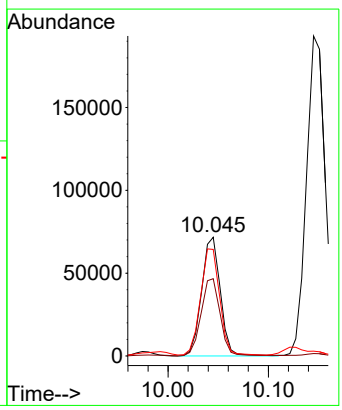


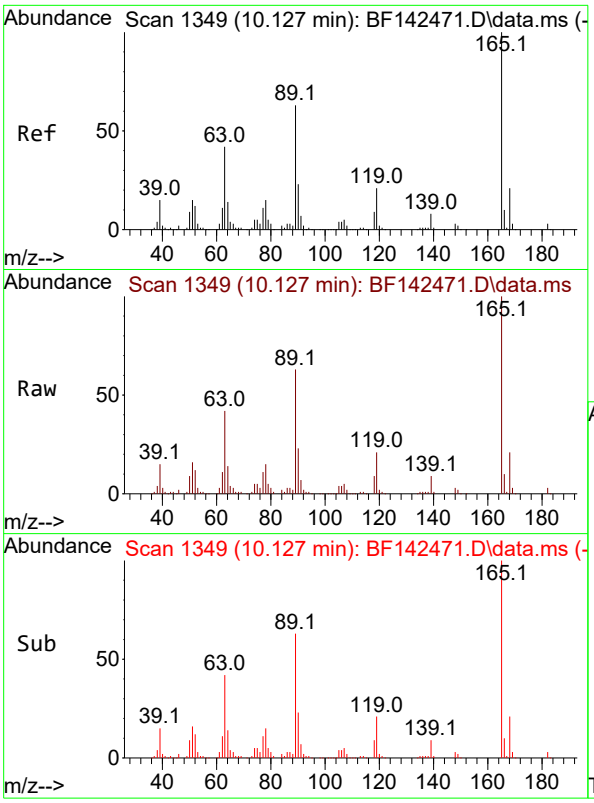


#56
4-Nitrophenol
Concen: 39.526 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:139 Resp: 93606

Ion	Ratio	Lower	Upper
139	100		
109	65.1	45.1	85.1
65	89.7	69.7	109.7



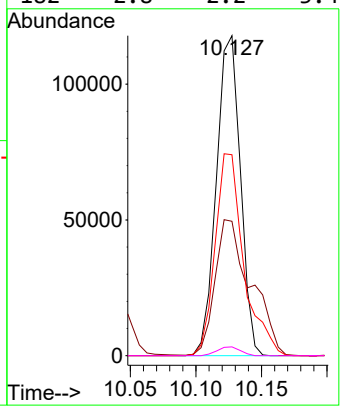


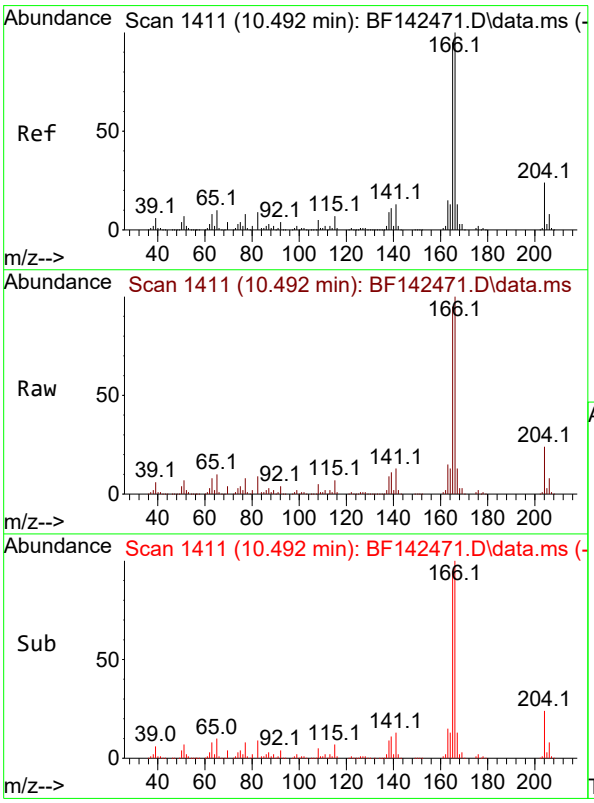
#57
2,4-Dinitrotoluene
Concen: 39.095 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 150036

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.6	50.4
89	62.8	50.2	75.4
182	2.8	2.2	3.4

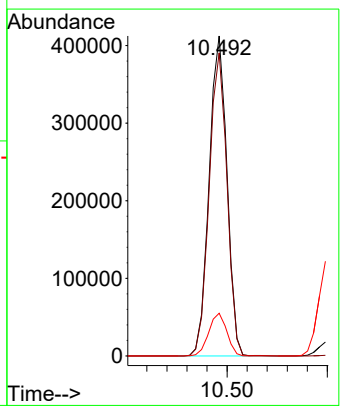


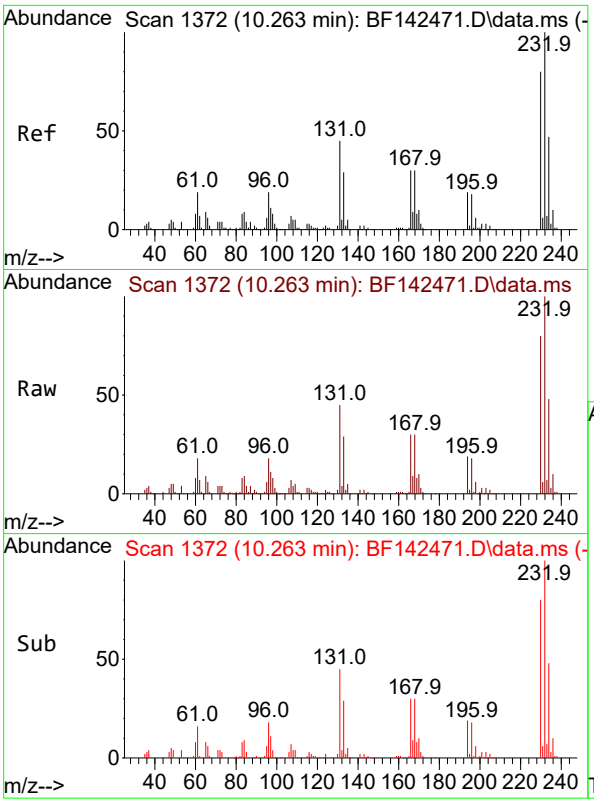


#58
Fluorene
Concen: 37.457 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:166 Resp: 507836

Ion	Ratio	Lower	Upper
166	100		
165	94.8	75.8	113.8
167	13.3	10.6	16.0



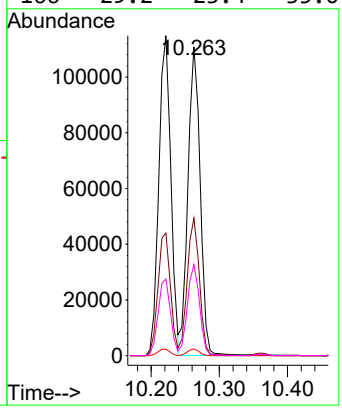


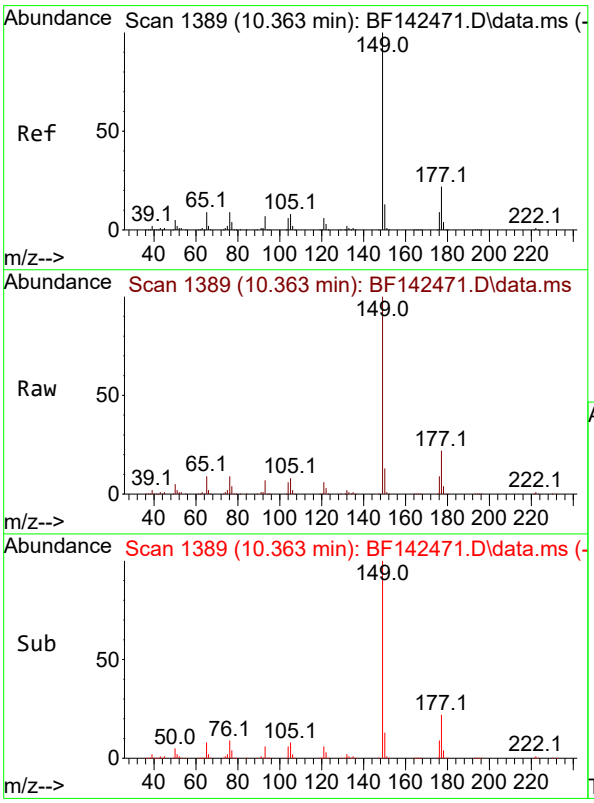
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.022 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 137225

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.2	52.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

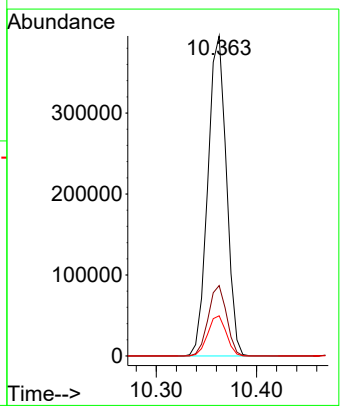


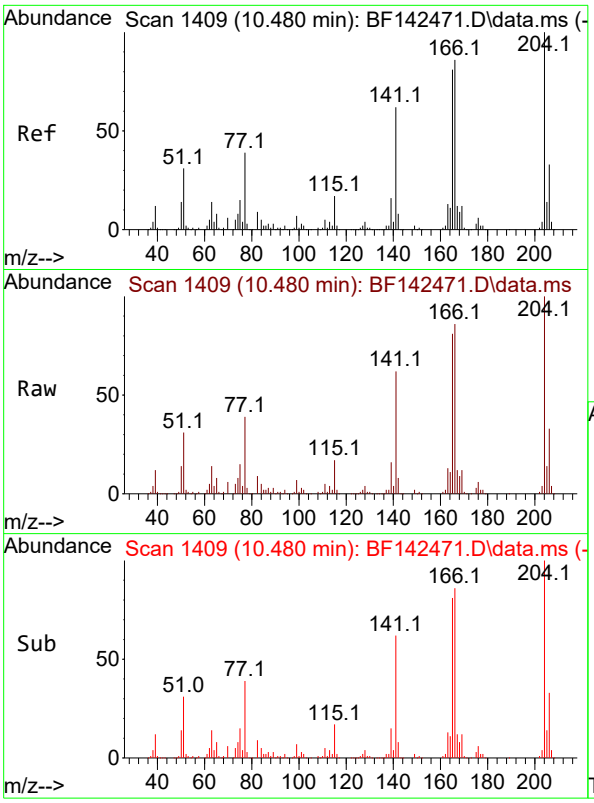


#60
Diethylphthalate
Concen: 38.217 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 508183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



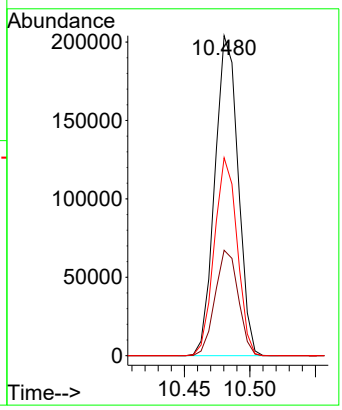


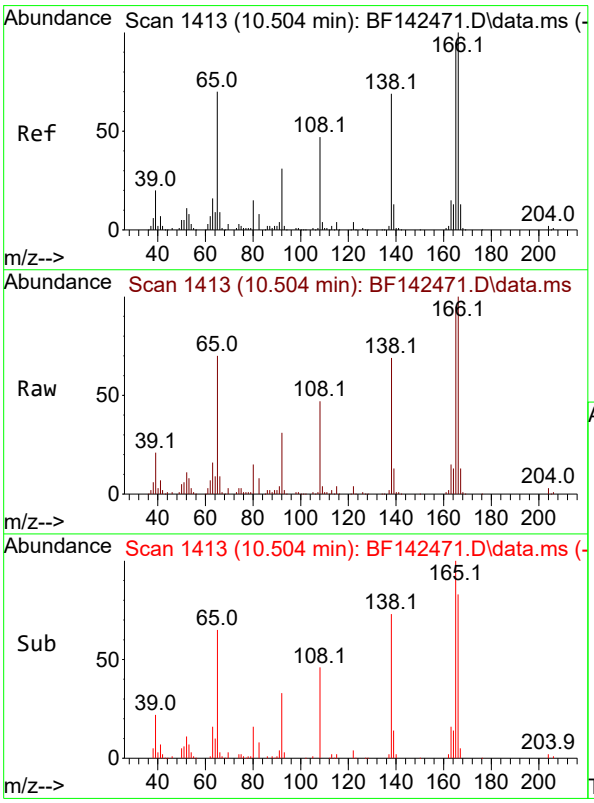
#61
4-Chlorophenyl-phenylether
Concen: 37.706 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 251129

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	61.9	49.5	74.3

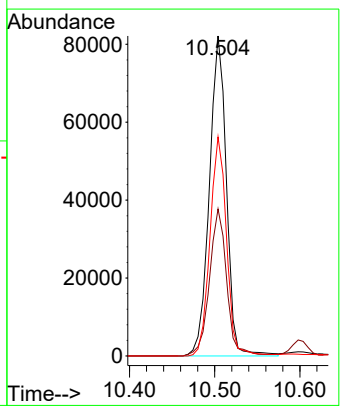


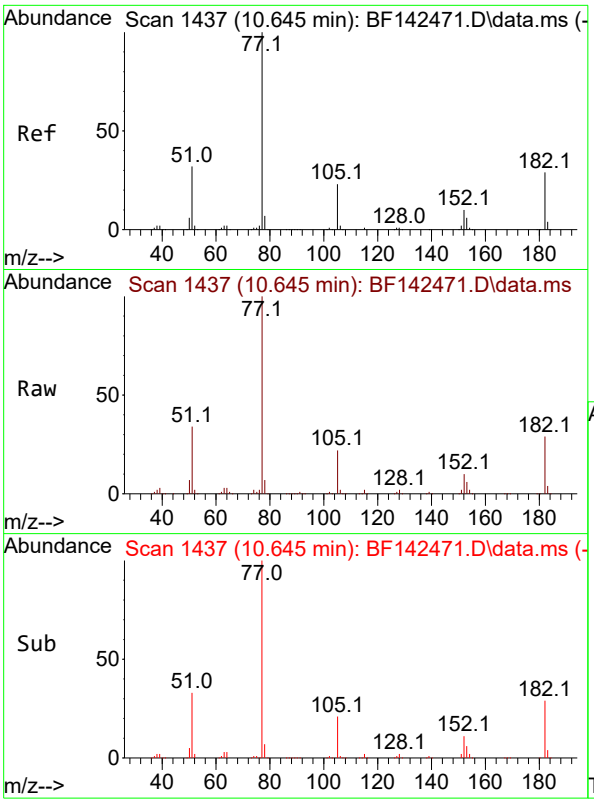


#62
4-Nitroaniline
Concen: 39.253 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:138 Resp: 114265

Ion	Ratio	Lower	Upper
138	100		
92	46.0	26.0	66.0
108	68.4	48.4	88.4



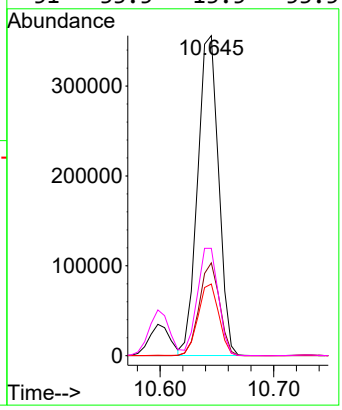


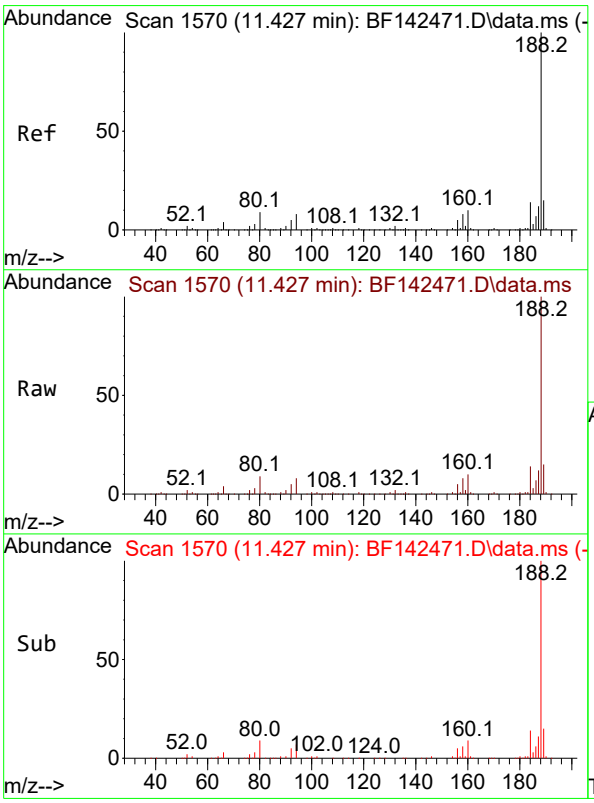
#63
Azobenzene
Concen: 38.246 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 456781

Ion	Ratio	Lower	Upper
77	100		
182	29.0	9.0	49.0
105	22.4	2.4	42.4
51	33.5	13.5	53.5

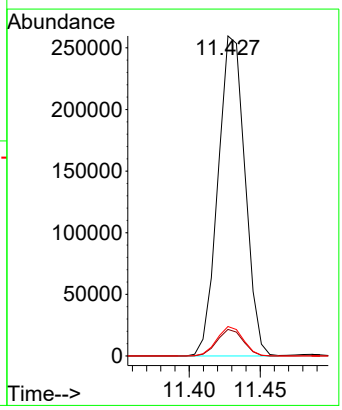


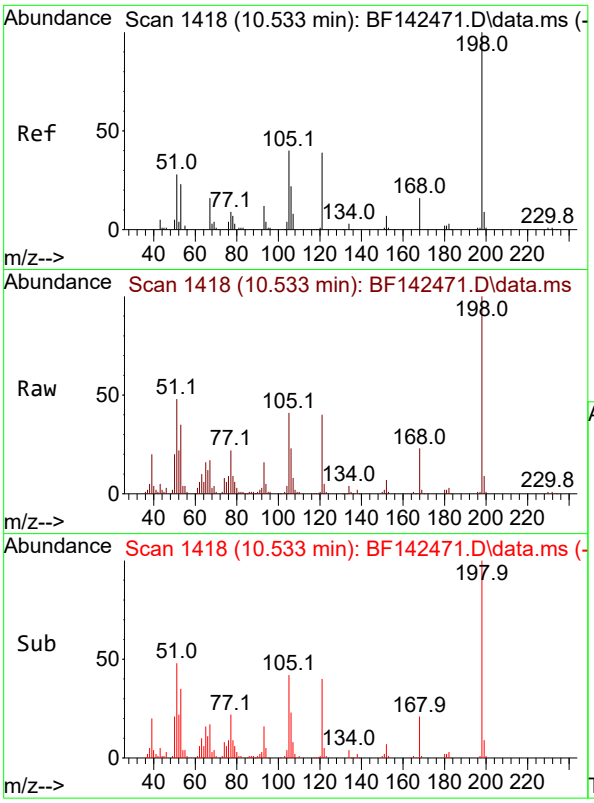


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:188 Resp: 343068

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	7.4	11.0



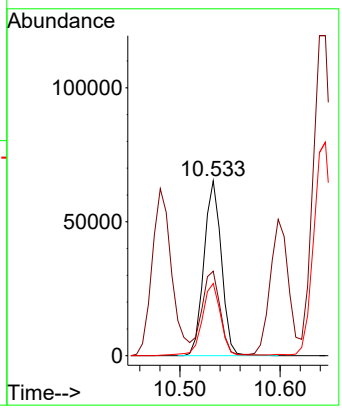


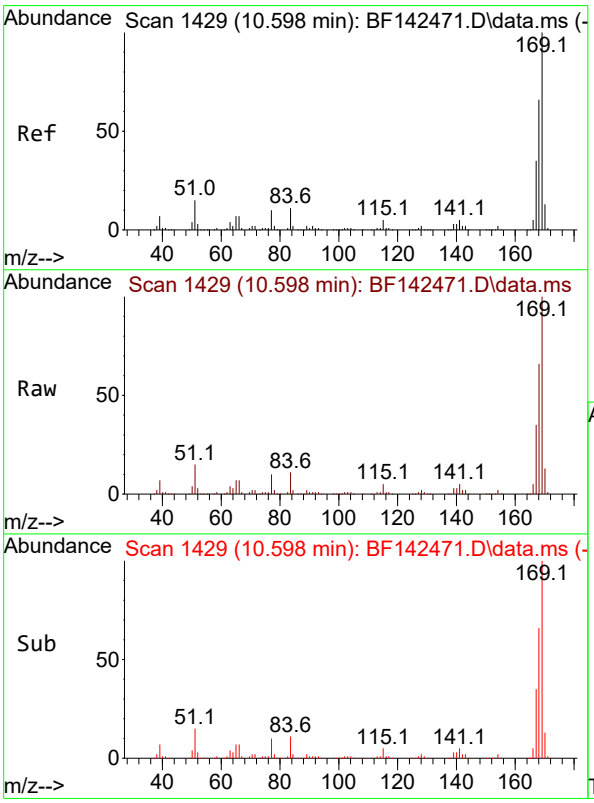
#65
4,6-Dinitro-2-methylphenol
Concen: 41.326 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 79121

Ion	Ratio	Lower	Upper
198	100		
51	48.3	28.3	68.3
105	41.3	21.3	61.3

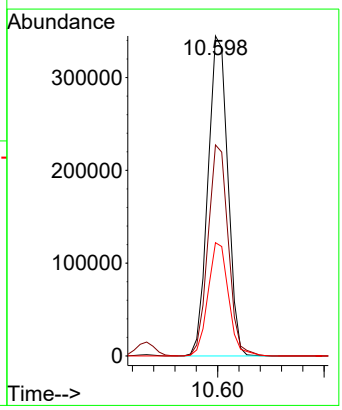


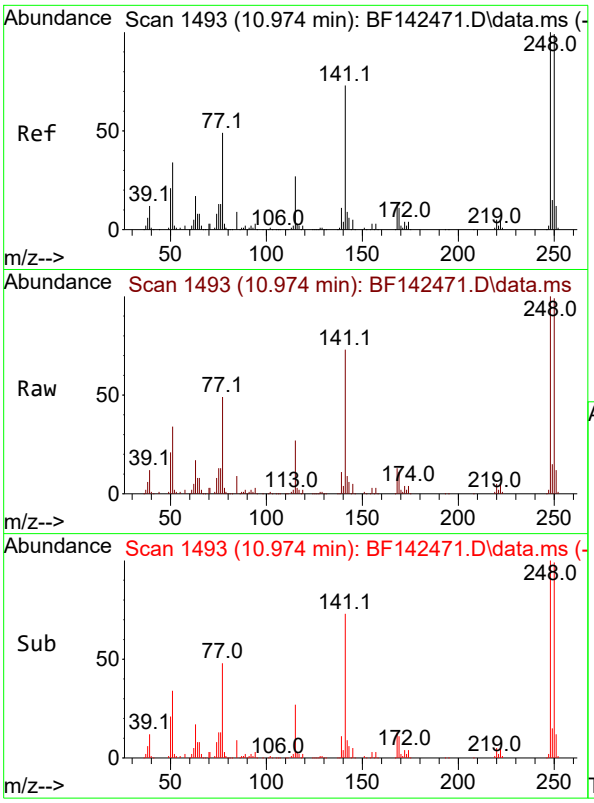


#66
n-Nitrosodiphenylamine
Concen: 37.917 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:169 Resp: 445033

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.4	28.3	42.5



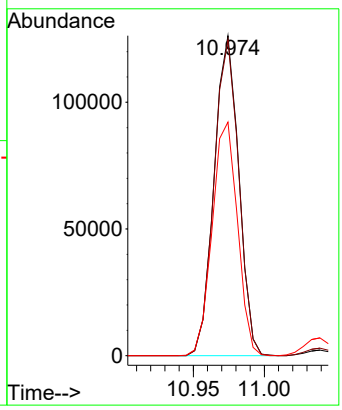


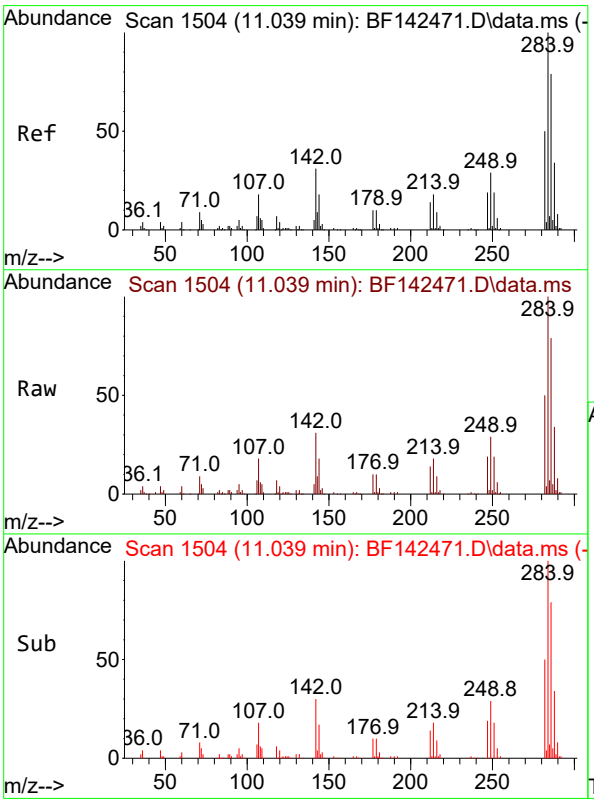
#67
4-Bromophenyl-phenylether
Concen: 37.556 ng
RT: 10.974 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 152348

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	73.0	58.4	87.6

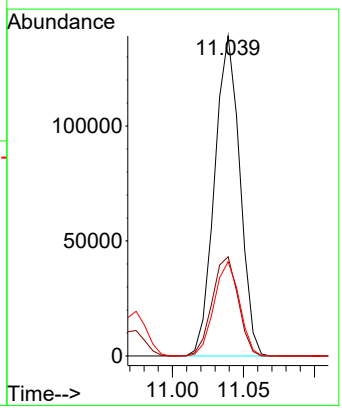


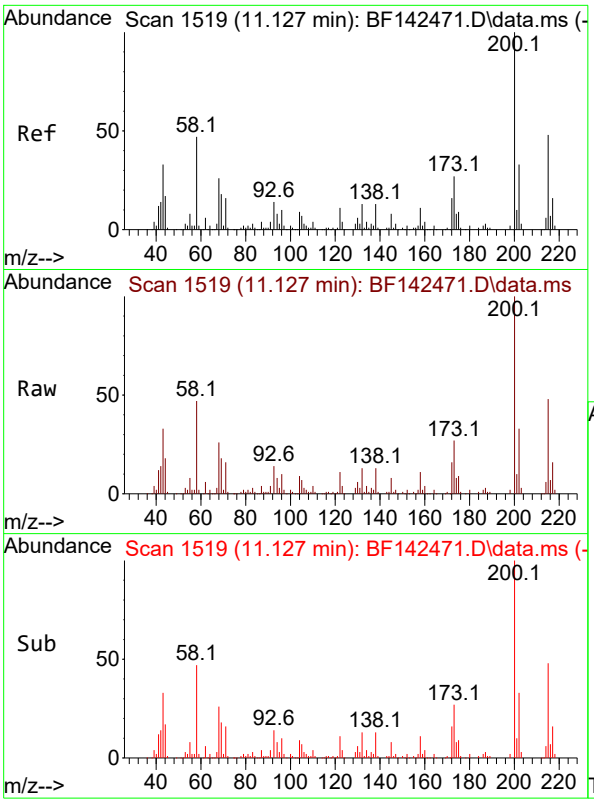


#68
Hexachlorobenzene
Concen: 38.318 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:284 Resp: 171918

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.8	37.2
249	29.5	23.6	35.4



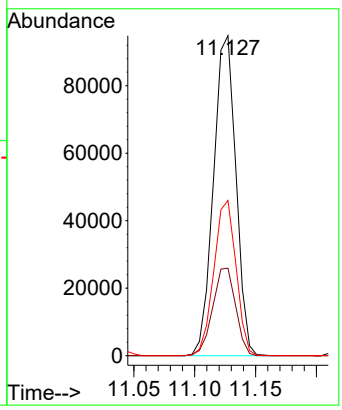


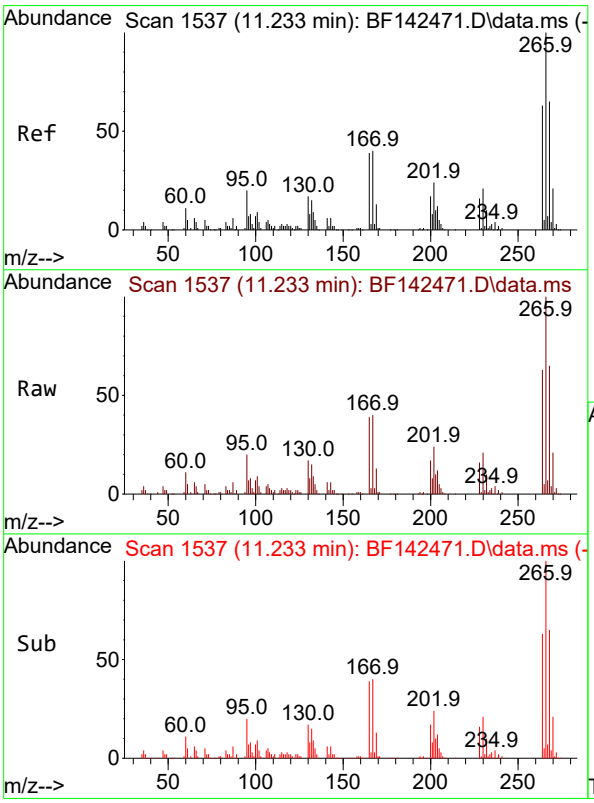
#69
Atrazine
Concen: 39.072 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 121790

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.5	28.5	68.5

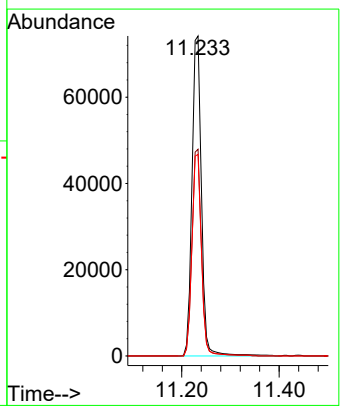


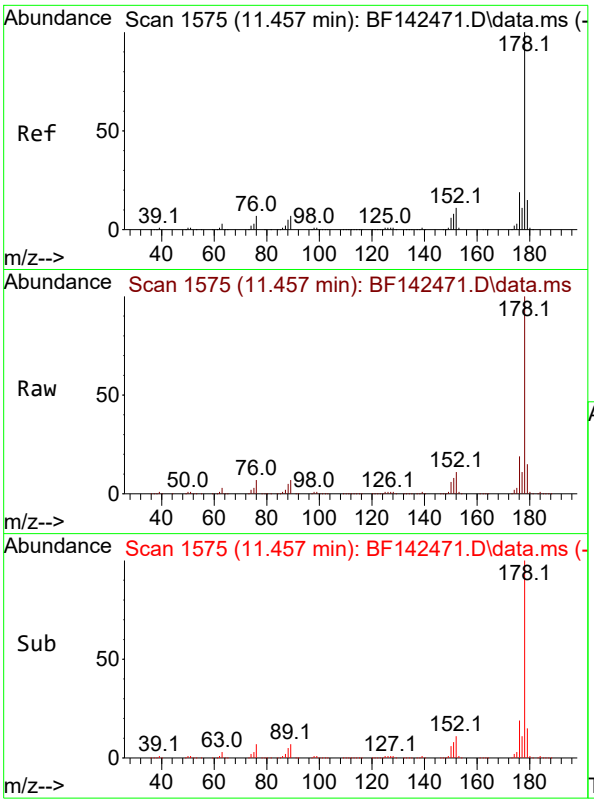


#70
Pentachlorophenol
Concen: 39.824 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:266 Resp: 100877

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.7	77.5
264	63.0	50.4	75.6



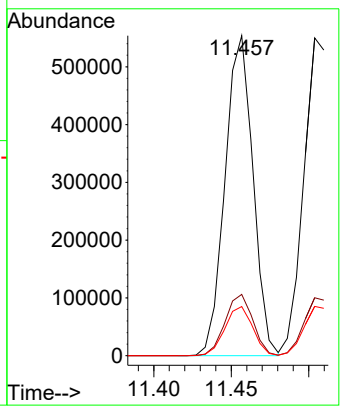


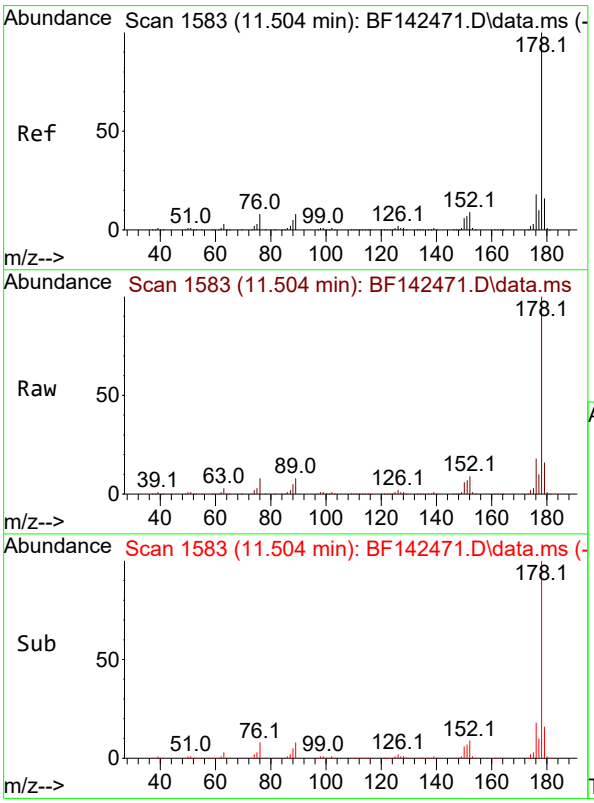
#71
Phenanthrene
Concen: 37.855 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 694045

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.3	18.5

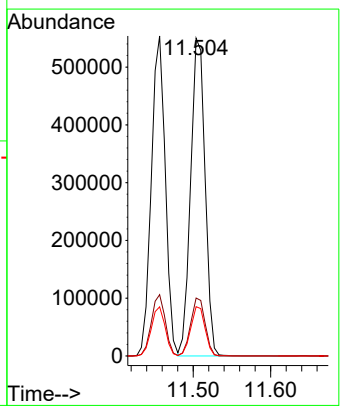


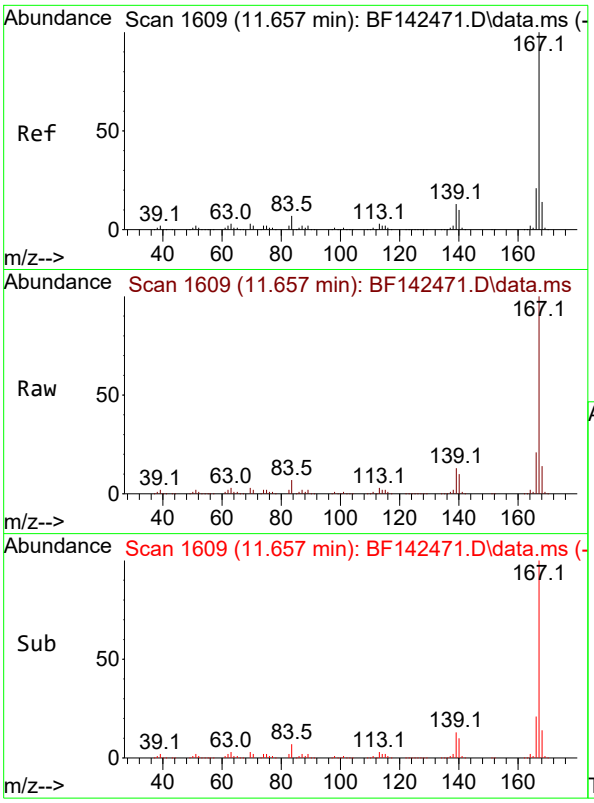


#72
Anthracene
Concen: 38.007 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:178 Resp: 711162

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.5	12.4	18.6



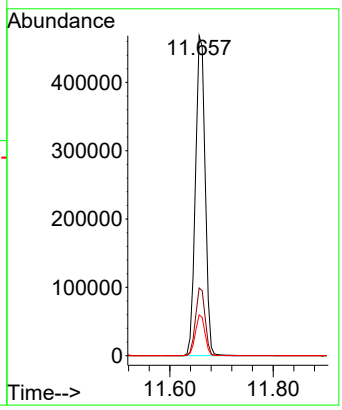


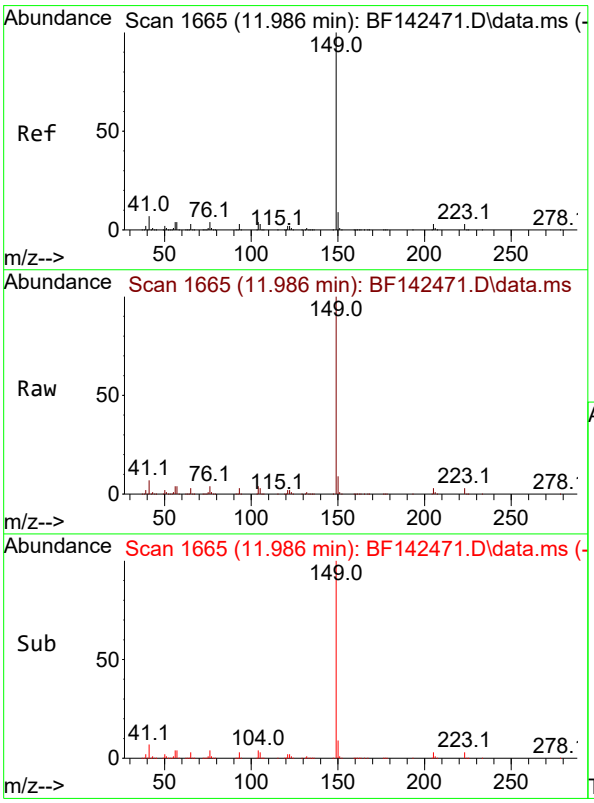
#73
Carbazole
Concen: 38.140 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 610097

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.8	10.2	15.4

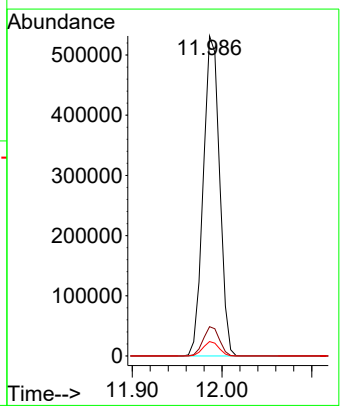


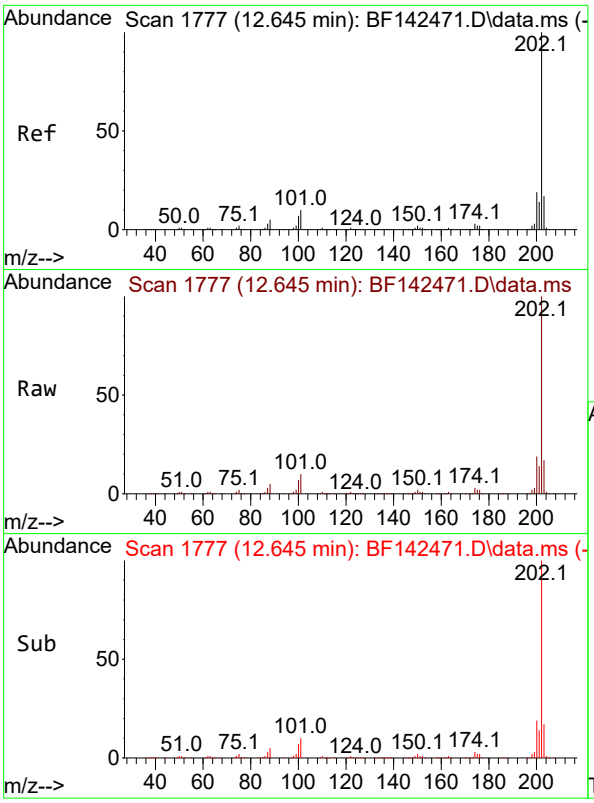


#74
Di-n-butylphthalate
Concen: 38.227 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 669345

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.6	5.4



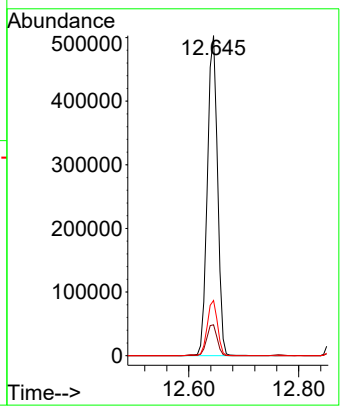


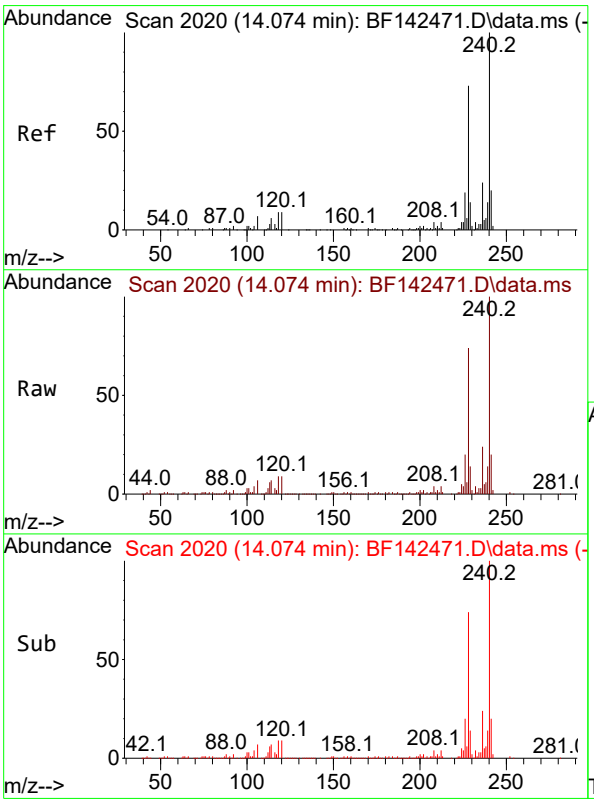
#75
Fluoranthene
Concen: 37.569 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 643610

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.6
203	17.2	0.0	37.2

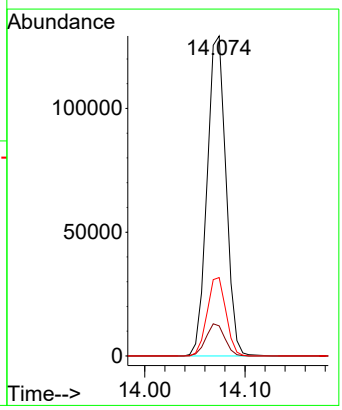


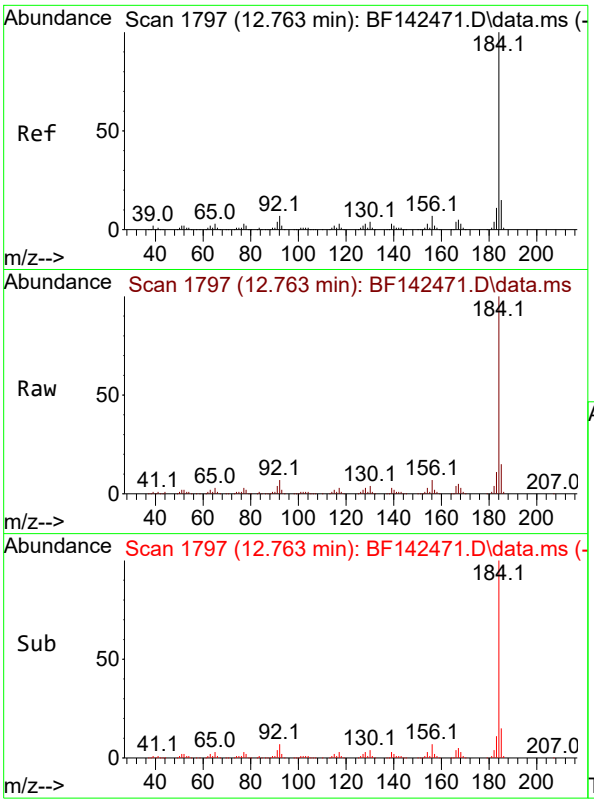


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:240 Resp: 169022

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.5	11.3
236	24.5	19.6	29.4



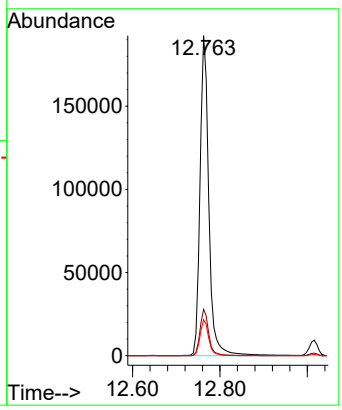


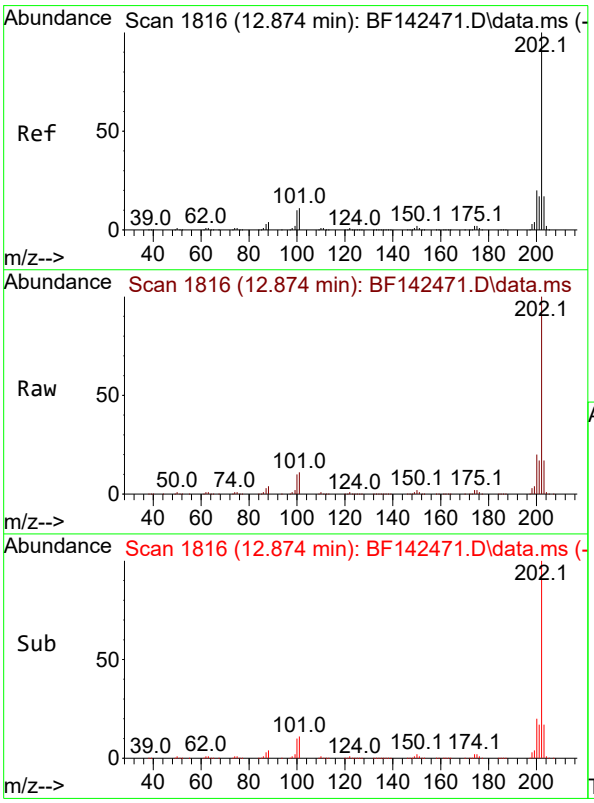
#77
Benzidine
Concen: 42.816 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 269307

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.2	9.0	13.4

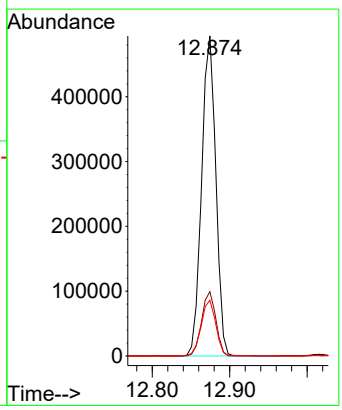


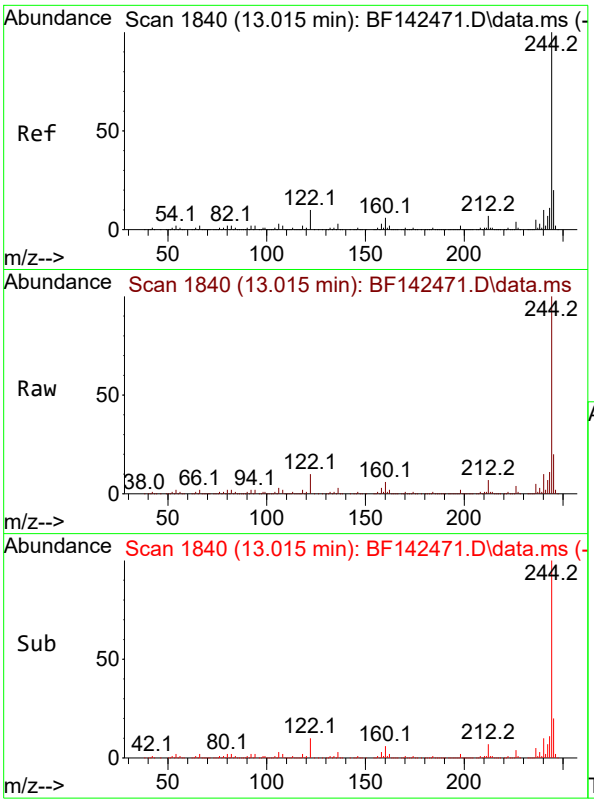


#78
Pyrene
Concen: 39.853 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:202 Resp: 628371

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9



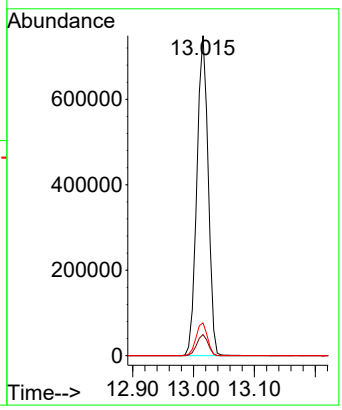


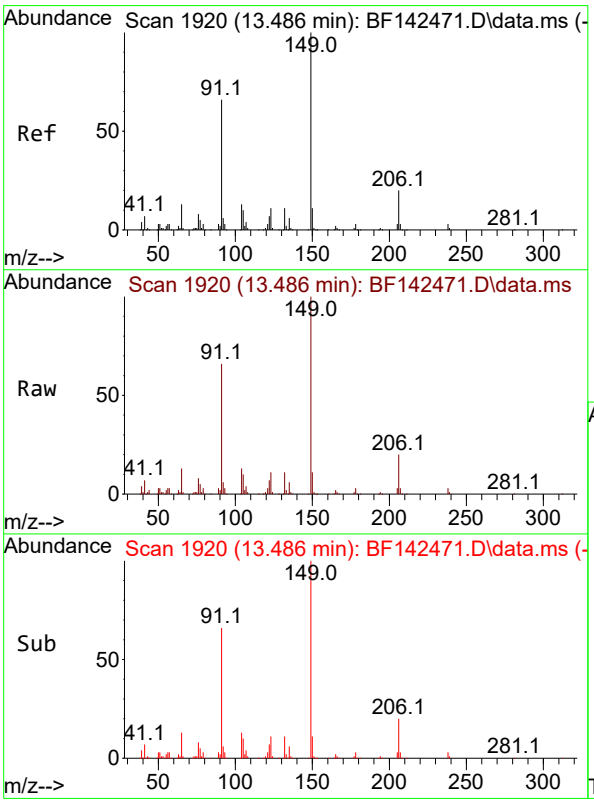
#79
Terphenyl-d14
Concen: 77.802 ng
RT: 13.015 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 962300

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.2	8.2	12.2

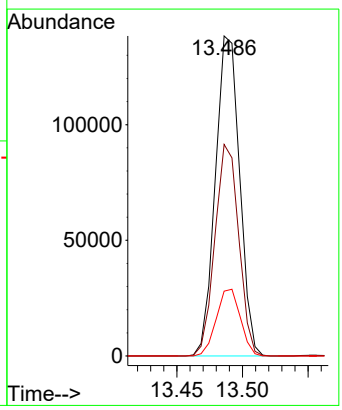


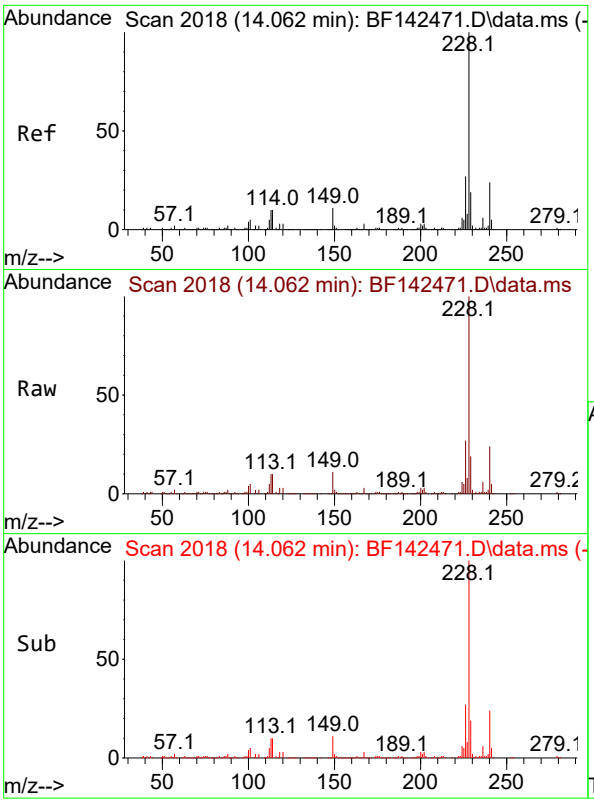


#80
Butylbenzylphthalate
Concen: 40.819 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 177841

Ion	Ratio	Lower	Upper
149	100		
91	66.1	52.9	79.3
206	20.2	16.2	24.2



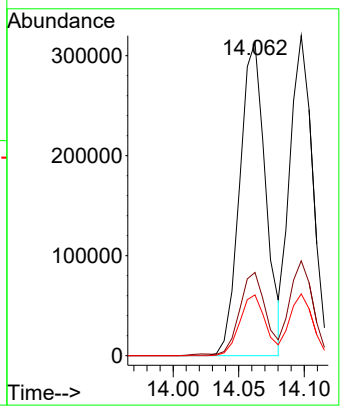


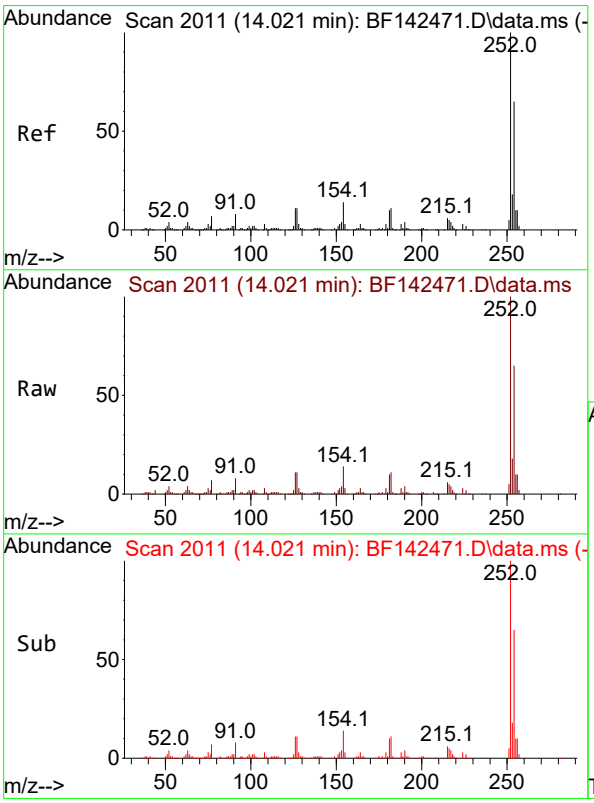
#81
Benzo(a)anthracene
Concen: 38.276 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 431998

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.4	15.5	23.3

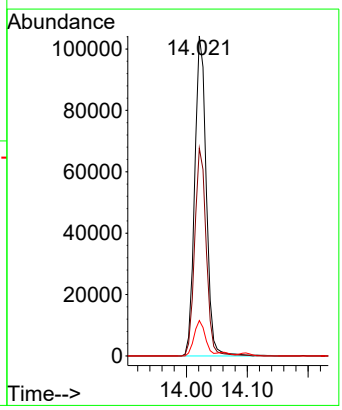


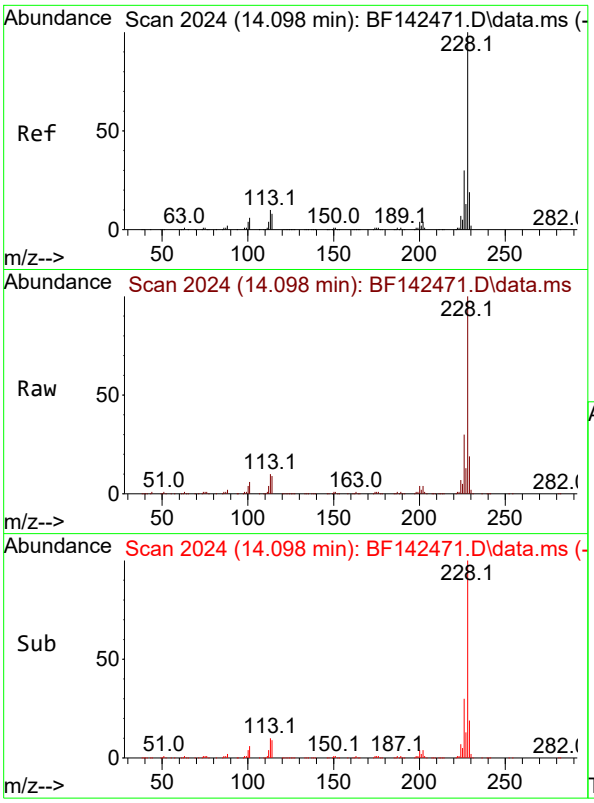


#82
3,3'-Dichlorobenzidine
Concen: 40.148 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 137438

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	11.1	8.9	13.3



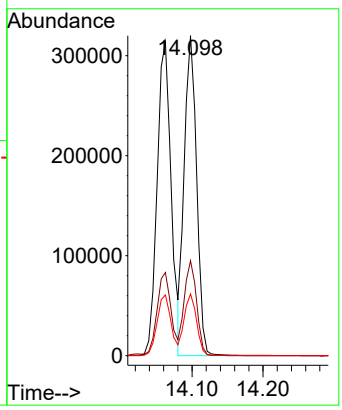


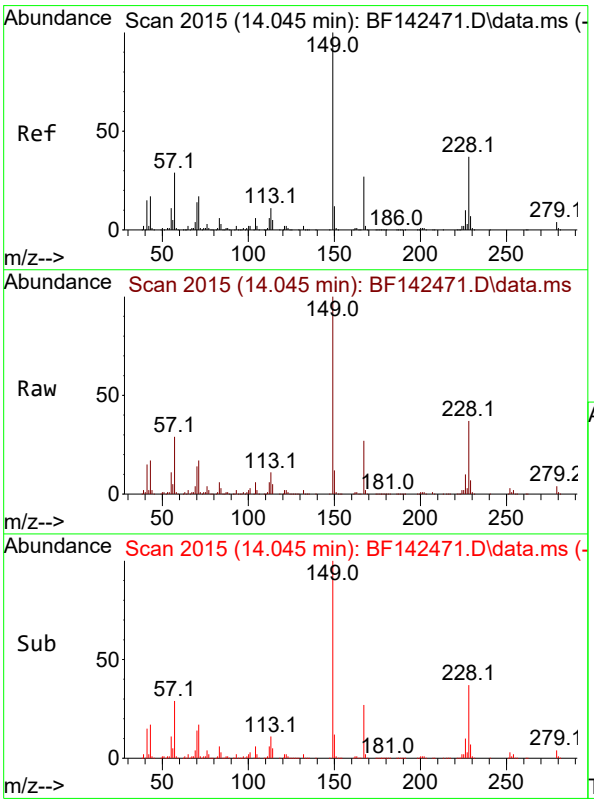
#83
Chrysene
Concen: 38.168 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 387081

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.3	15.4	23.2

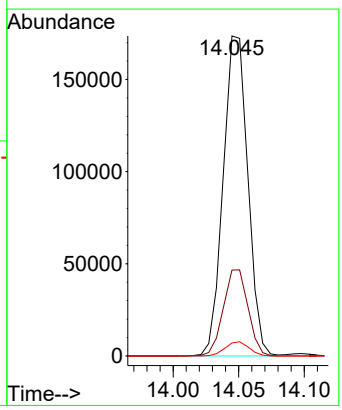


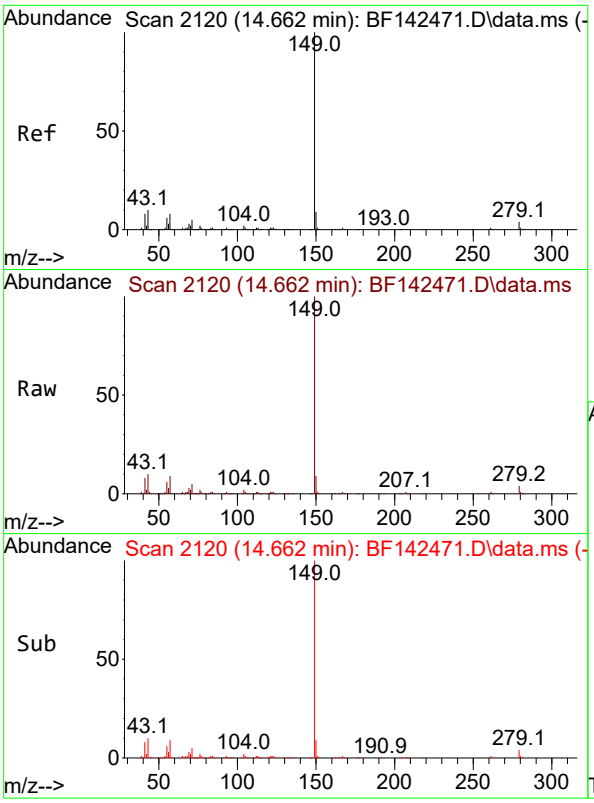


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.800 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:149 Resp: 227555

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.5	32.3
279	4.0	3.2	4.8



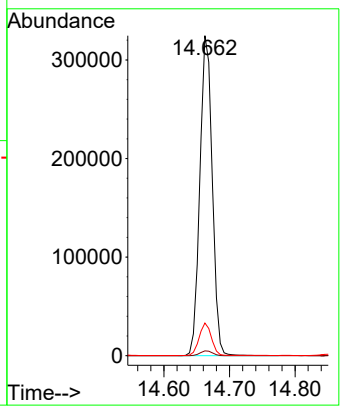


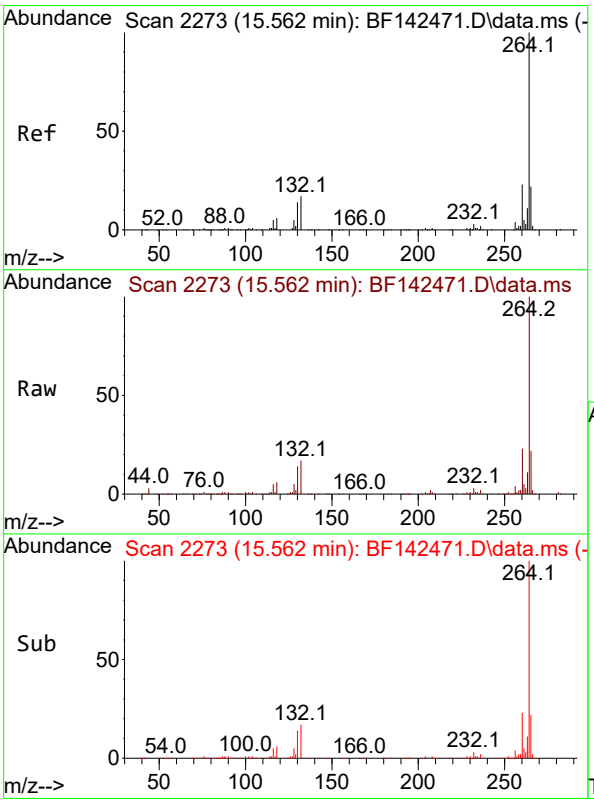
#85
Di-n-octyl phthalate
Concen: 39.246 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 427995

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.9	7.9	11.9

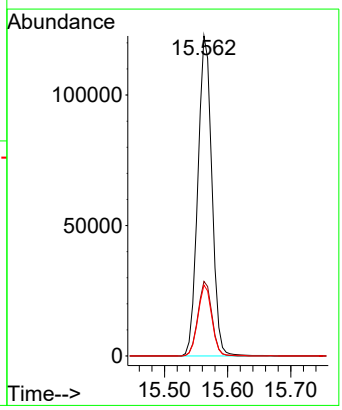


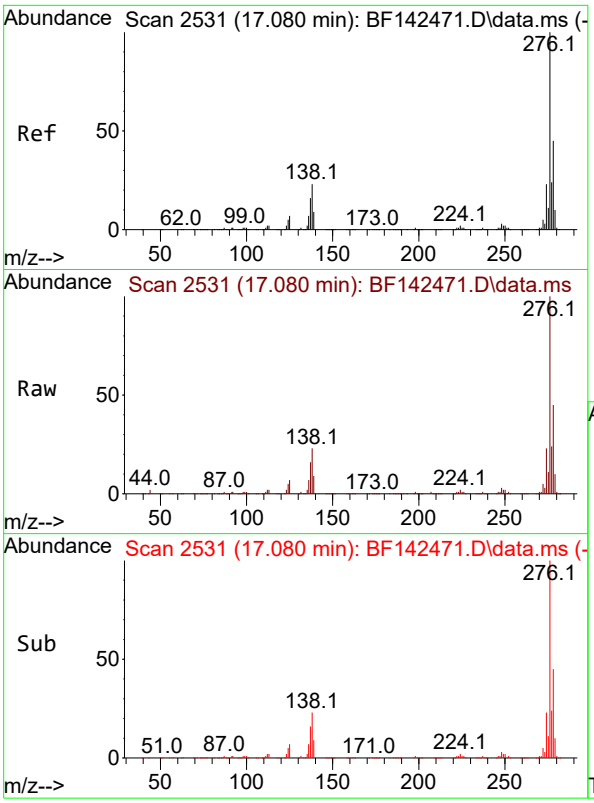


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:264 Resp: 189289

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.1	17.7	26.5



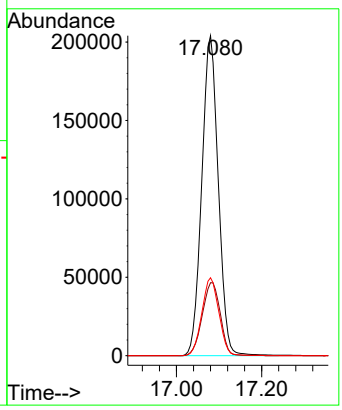


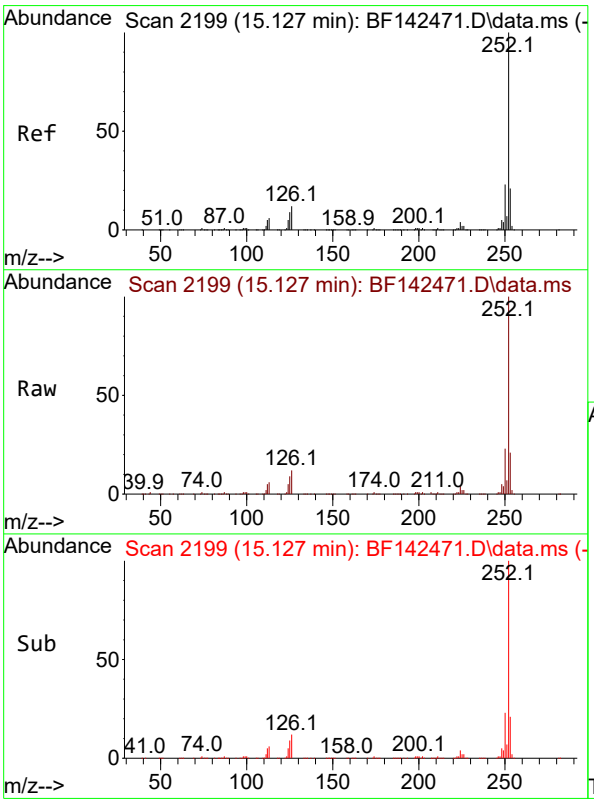
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.584 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 548309

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.9	29.9
277	25.2	20.2	30.2

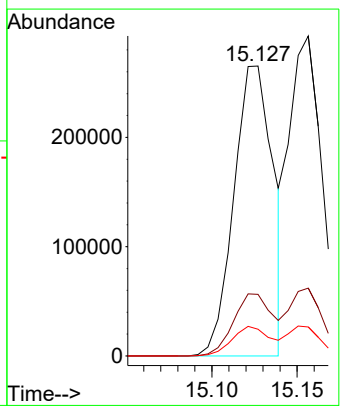


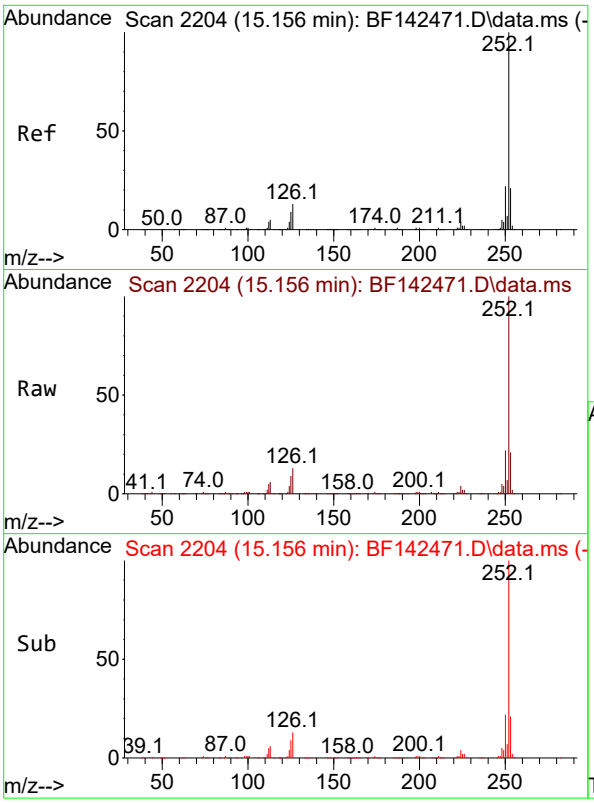


#88
Benzo(b)fluoranthene
Concen: 38.041 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 426174

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.2	7.4	11.0



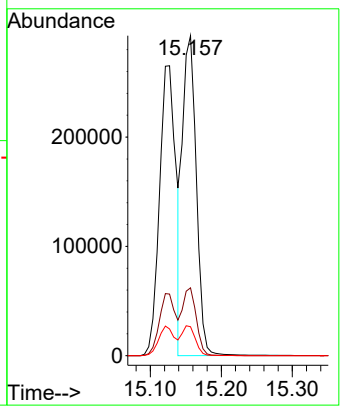


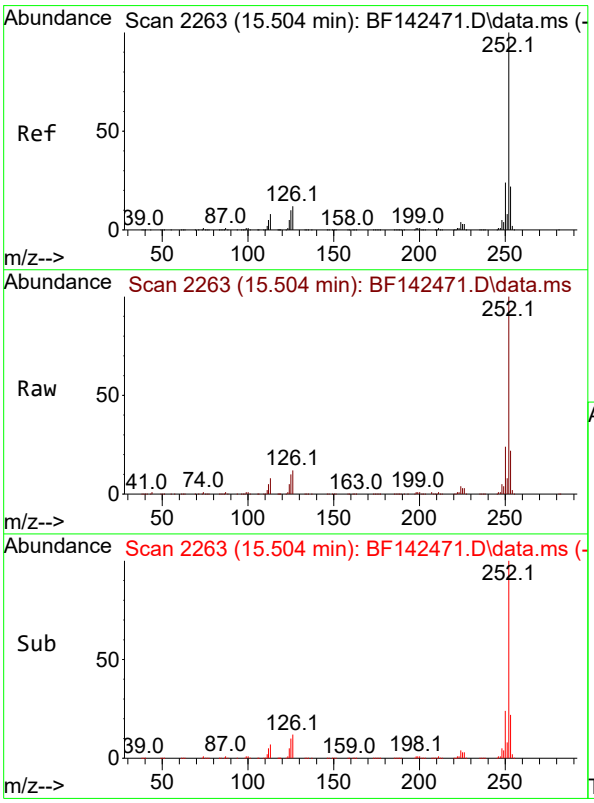
#89
Benzo(k)fluoranthene
Concen: 37.603 ng
RT: 15.156 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 394567

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.1	7.3	10.9

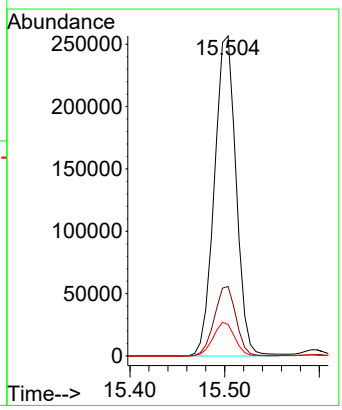


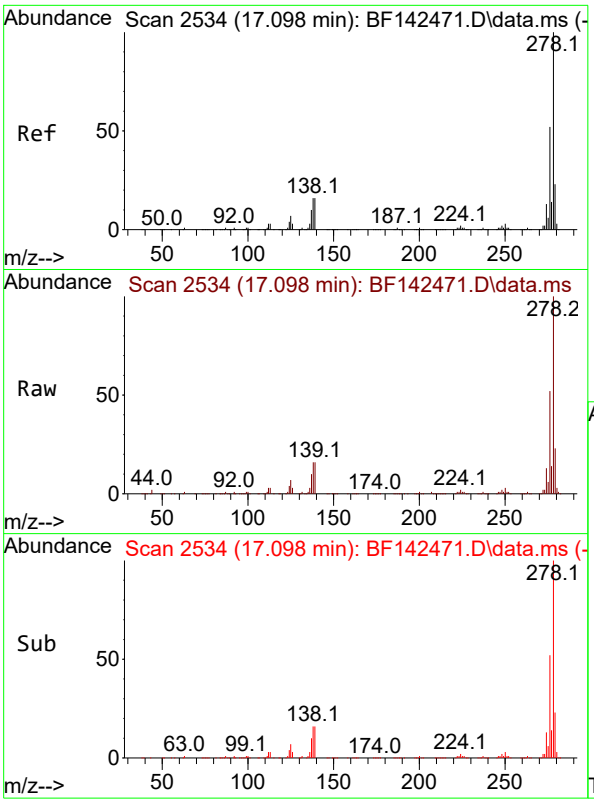


#90
Benzo(a)pyrene
Concen: 38.761 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:252 Resp: 409312

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.9	7.9	11.9



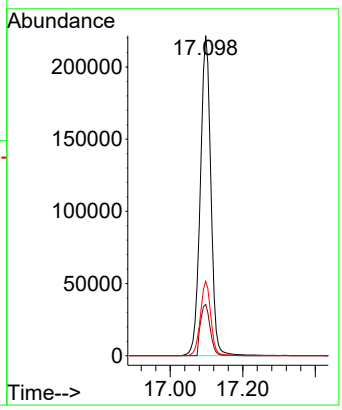


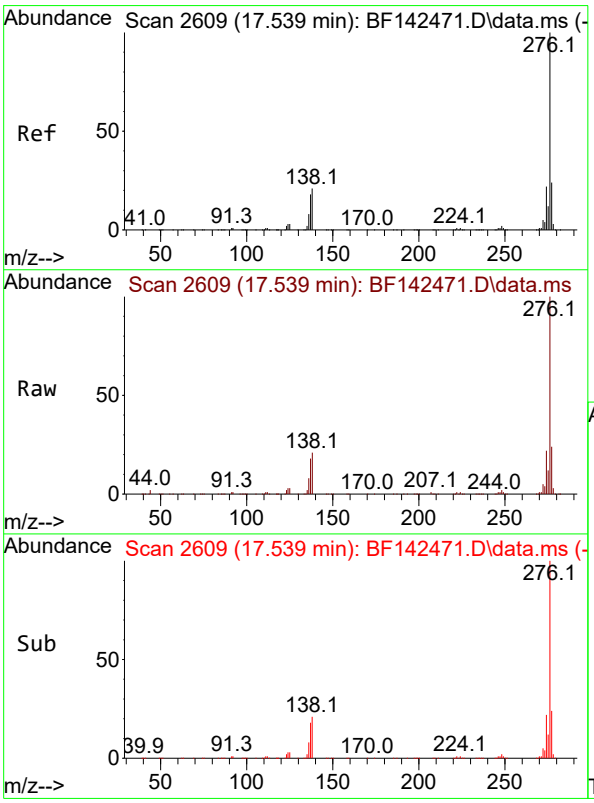
#91
Dibenzo(a,h)anthracene
Concen: 38.903 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 448372

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.3	18.6	28.0

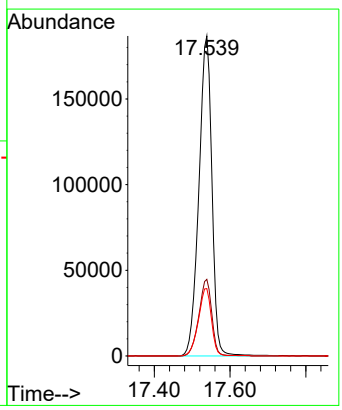




#92
Benzo(g,h,i)perylene
Concen: 38.747 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.018 min
Lab File: BF142471.D
Acq: 20 May 2025 14:05

Tgt Ion:276 Resp: 446674

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	21.0	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	86396	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	336796	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	181409	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	301685	20.000	ng	0.00
76) Chrysene-d12	14.074	240	149689	20.000	ng	0.00
86) Perylene-d12	15.562	264	171586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	526965	102.760	ng	0.00
7) Phenol-d6	6.528	99	633841	102.679	ng	0.00
23) Nitrobenzene-d5	7.469	82	643186	104.135	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	211319	104.956	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1342037	99.269	ng	0.00
79) Terphenyl-d14	13.016	244	1116751	101.951	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	107972	52.616	ng	99
3) Pyridine	3.434	79	275005	52.626	ng	99
4) n-Nitrosodimethylamine	3.393	42	145296	53.550	ng	99
6) Aniline	6.563	93	430377	51.852	ng	99
8) 2-Chlorophenol	6.687	128	288948	51.731	ng	99
9) Benzaldehyde	6.451	77	188241	50.700	ng	98
10) Phenol	6.540	94	357896	51.526	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	261046	52.210	ng	100
12) 1,3-Dichlorobenzene	6.845	146	320095	51.357	ng	99
13) 1,4-Dichlorobenzene	6.922	146	322871	51.427	ng	99
14) 1,2-Dichlorobenzene	7.075	146	309332	51.491	ng	100
15) Benzyl Alcohol	7.040	79	244326	53.559	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	434451	51.741	ng	100
17) 2-Methylphenol	7.151	107	227385	52.141	ng	99
18) Hexachloroethane	7.416	117	114346	52.159	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	197020	51.498	ng	99
20) 3+4-Methylphenols	7.304	107	288829	51.719	ng	91
22) Acetophenone	7.310	105	380175	50.992	ng	97
24) Nitrobenzene	7.487	77	288748	51.834	ng	99
25) Isophorone	7.728	82	536829	51.985	ng	99
26) 2-Nitrophenol	7.798	139	159779	53.679	ng	99
27) 2,4-Dimethylphenol	7.834	122	273604	52.123	ng	98
28) bis(2-Chloroethoxy)met...	7.934	93	329256	51.041	ng	100
29) 2,4-Dichlorophenol	8.039	162	252244	52.840	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	269064	51.934	ng	97
31) Naphthalene	8.210	128	847571	51.109	ng	100
32) Benzoic acid	7.951	122	177379	55.512	ng	98
33) 4-Chloroaniline	8.257	127	349678	52.037	ng	99
34) Hexachlorobutadiene	8.328	225	166363	51.428	ng	98
35) Caprolactam	8.628	113	71458	53.297	ng	99
36) 4-Chloro-3-methylphenol	8.733	107	253726	51.862	ng	99
37) 2-Methylnaphthalene	8.898	142	531122	50.907	ng	100
38) 1-Methylnaphthalene	8.998	142	547258	50.711	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	268407	51.543	ng	99
41) Hexachlorocyclopentadiene	9.051	237	195080	55.532	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	184076	52.421	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	198266	53.537	ng	99
46) 1,1'-Biphenyl	9.363	154	723473	51.405	ng	100
47) 2-Chloronaphthalene	9.386	162	536379	51.583	ng	100
48) 2-Nitroaniline	9.481	65	160529	53.410	ng	99
49) Acenaphthylene	9.804	152	906063	51.602	ng	100
50) Dimethylphthalate	9.663	163	619616	51.764	ng	100
51) 2,6-Dinitrotoluene	9.722	165	137090	53.064	ng	98
52) Acenaphthene	9.980	154	554762	51.742	ng	99
53) 3-Nitroaniline	9.892	138	149786	53.082	ng	99
54) 2,4-Dinitrophenol	9.998	184	76730	57.487	ng	95
55) Dibenzofuran	10.151	168	787446	51.038	ng	100
56) 4-Nitrophenol	10.045	139	114198	54.849	ng	99
57) 2,4-Dinitrotoluene	10.128	165	180417	53.473	ng	100
58) Fluorene	10.492	166	608966	51.090	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	163539	52.897	ng	98
60) Diethylphthalate	10.363	149	608941	52.089	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	296264	50.597	ng	99
62) 4-Nitroaniline	10.510	138	133141	52.024	ng	98
63) Azobenzene	10.645	77	542894	51.703	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	97203	57.734	ng	98
66) n-Nitrosodiphenylamine	10.604	169	525974	50.960	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	185711	52.061	ng	99
68) Hexachlorobenzene	11.039	284	205759	52.151	ng	100
69) Atrazine	11.127	200	147922	53.966	ng	99
70) Pentachlorophenol	11.233	266	122184	54.852	ng	99
71) Phenanthrene	11.457	178	818043	50.739	ng	100
72) Anthracene	11.510	178	837242	50.882	ng	99
73) Carbazole	11.663	167	716381	50.927	ng	100
74) Di-n-butylphthalate	11.986	149	798451	51.856	ng	100
75) Fluoranthene	12.645	202	752083	49.923	ng	100
77) Benzidine	12.763	184	301122	54.058	ng	99
78) Pyrene	12.874	202	733277	52.513	ng	100
80) Butylbenzylphthalate	13.492	149	215174	55.767	ng	97
81) Benzo(a)anthracene	14.063	228	520525	52.076	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	166223	54.828	ng	99
83) Chrysene	14.098	228	469491	52.273	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	286151	57.932	ng	100
85) Di-n-octyl phthalate	14.663	149	535844	55.482	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	679247	52.730	ng	99
88) Benzo(b)fluoranthene	15.127	252	518544	51.062	ng	99
89) Benzo(k)fluoranthene	15.157	252	505348	53.130	ng	99
90) Benzo(a)pyrene	15.504	252	508303	53.101	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	553351	52.964	ng	100
92) Benzo(g,h,i)perylene	17.545	276	557271	53.328	ng	99

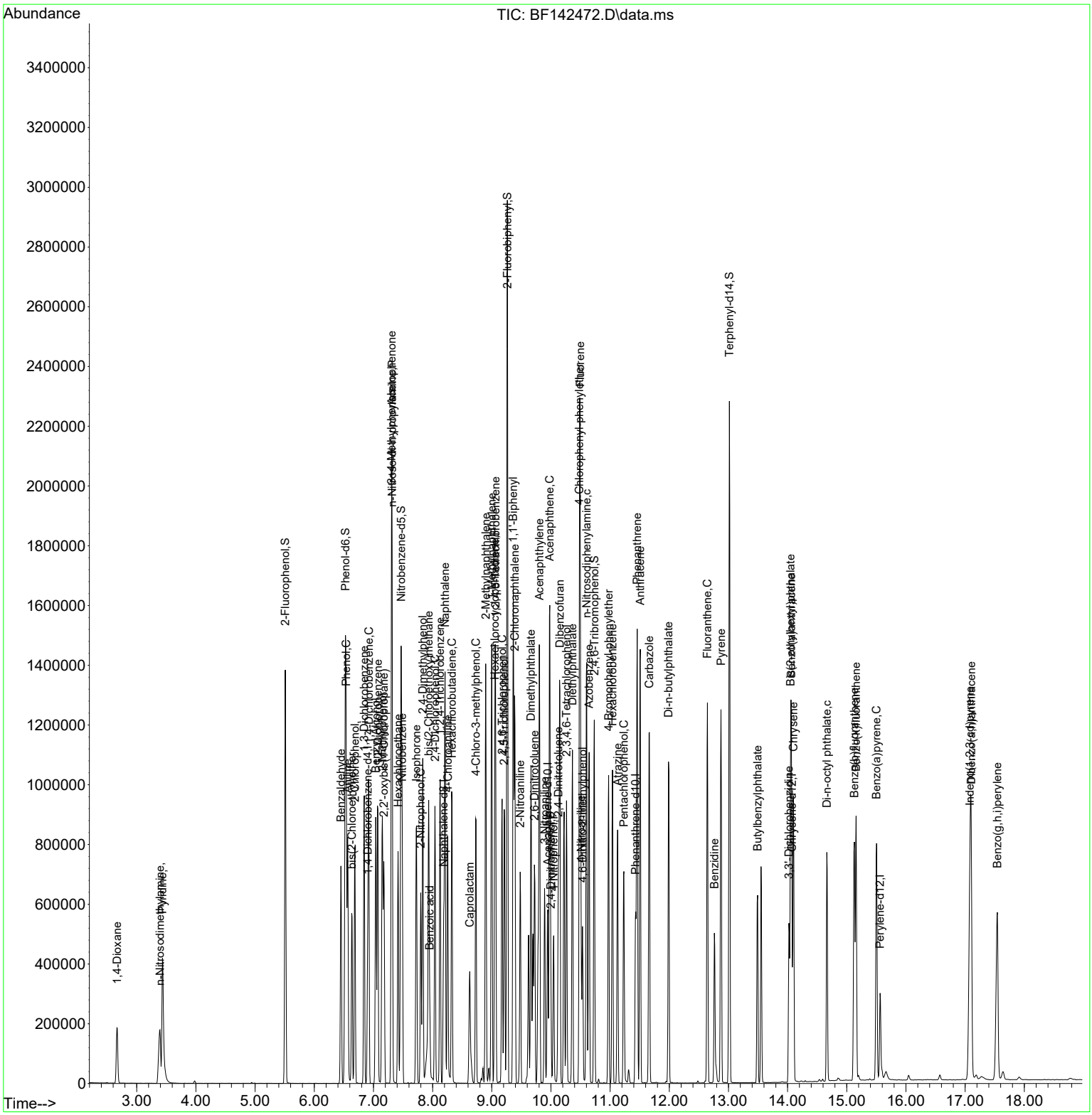
(#) = qualifier out of range (m) = manual integration (+) = signals summed

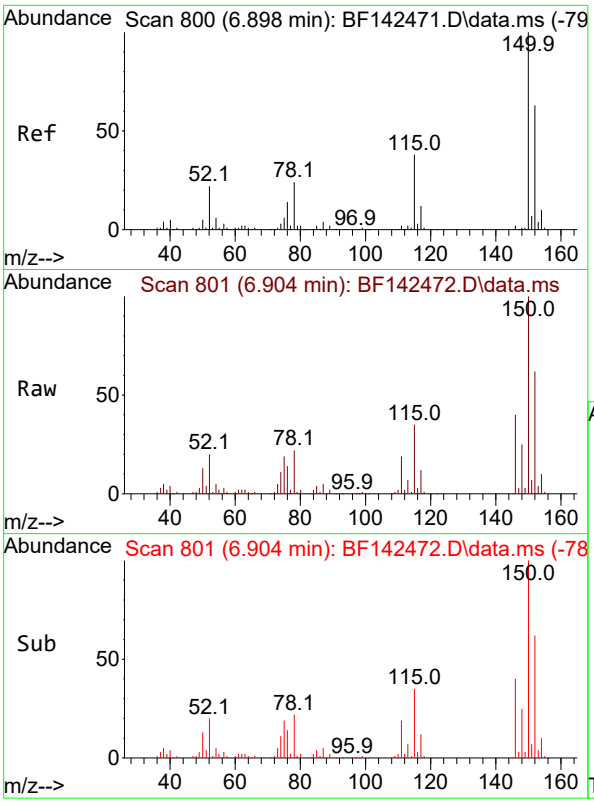
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142472.D
Acq On : 20 May 2025 14:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 20 16:55:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



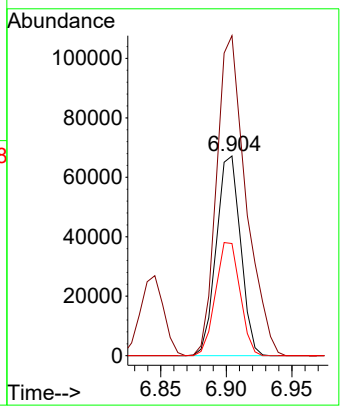


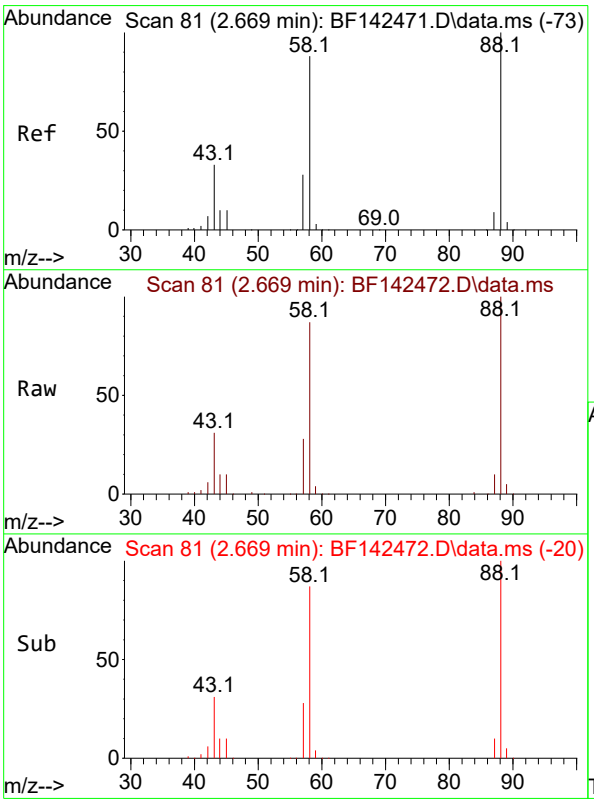
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 86396

Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	56.1	48.3	72.5

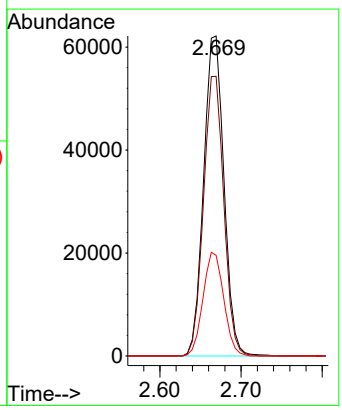


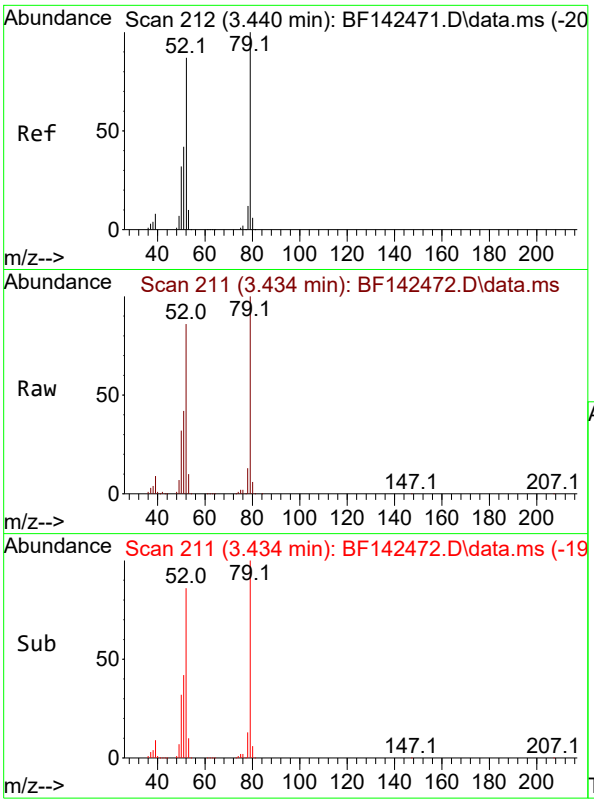


#2
1,4-Dioxane
Concen: 52.616 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 88 Resp: 107972

Ion	Ratio	Lower	Upper
88	100		
58	87.2	70.8	106.2
43	33.0	26.6	40.0



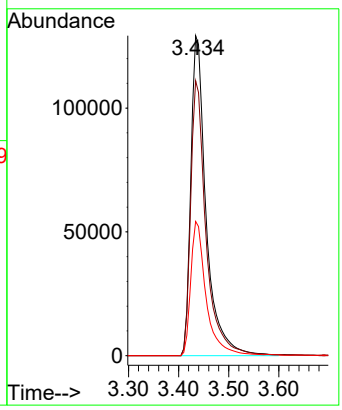


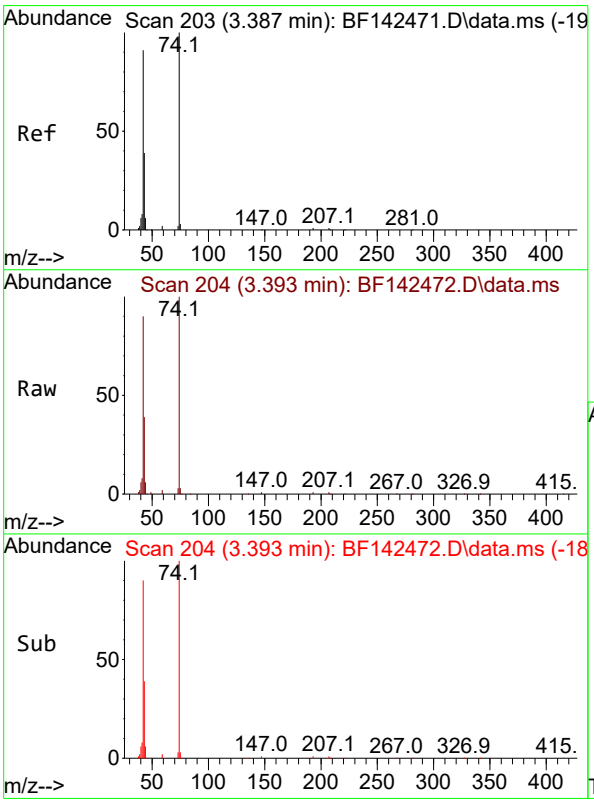
#3
Pyridine
Concen: 52.626 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 275005

Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.2	103.8
51	41.9	33.3	49.9

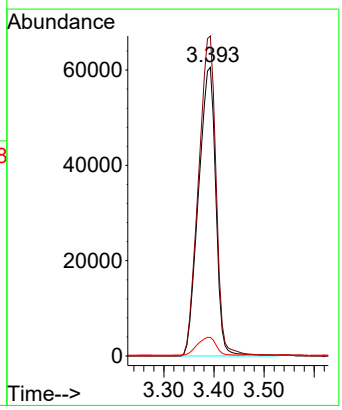


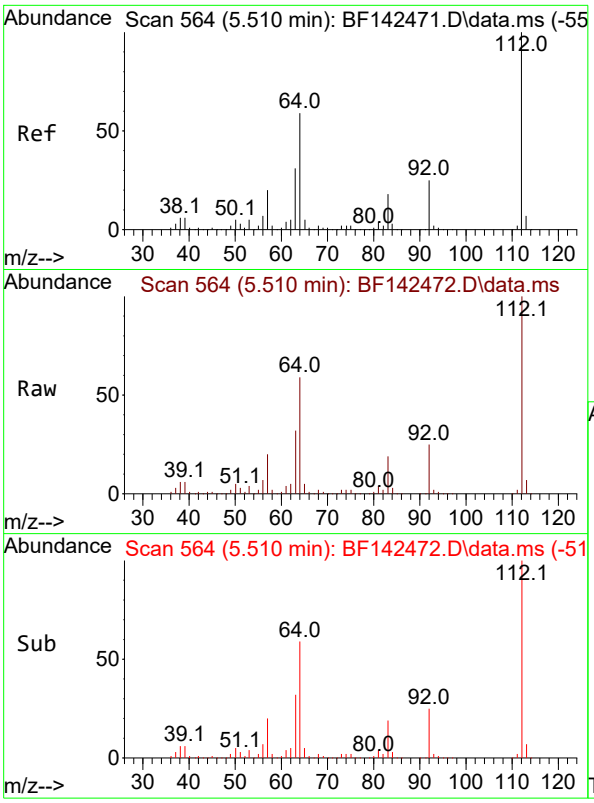


#4
n-Nitrosodimethylamine
Concen: 53.550 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 42 Resp: 145296

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.4
44	6.4	5.4	8.2



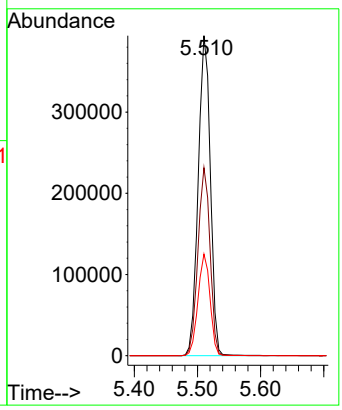


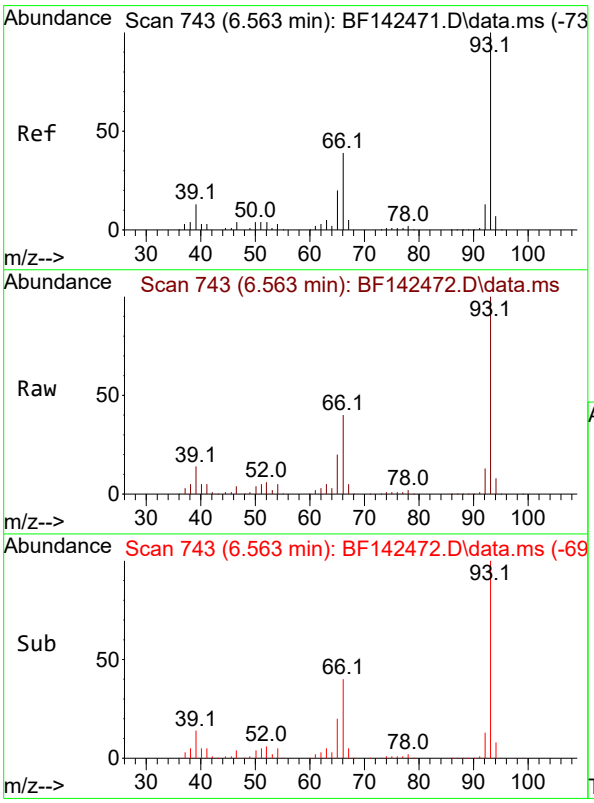
#5
2-Fluorophenol
Concen: 102.760 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 526965

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.5	71.3
63	31.8	24.9	37.3

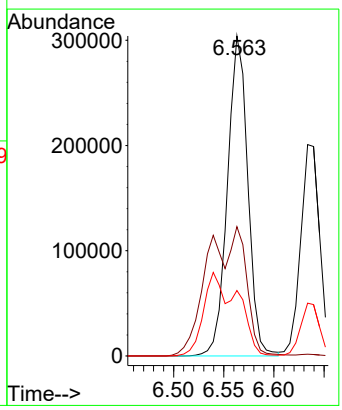


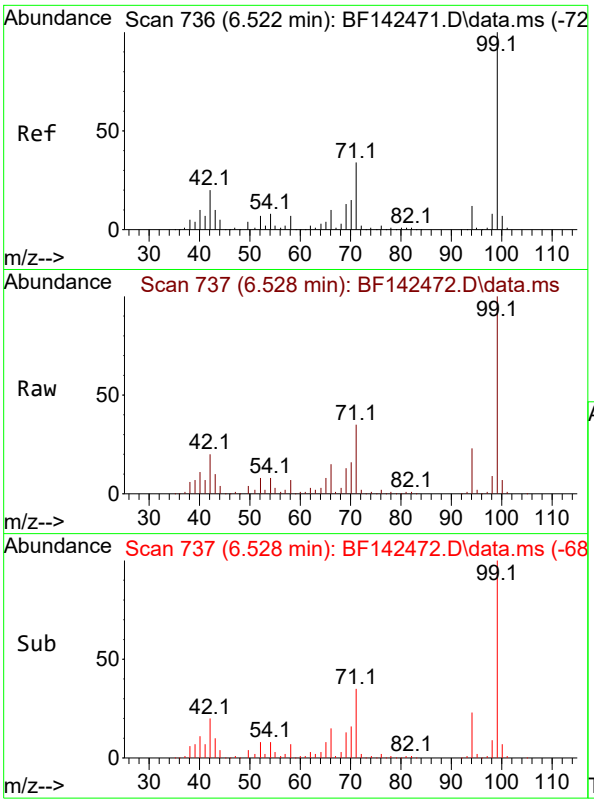


#6
Aniline
Concen: 51.852 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 93 Resp: 430377

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.0	48.0
65	20.4	16.1	24.1



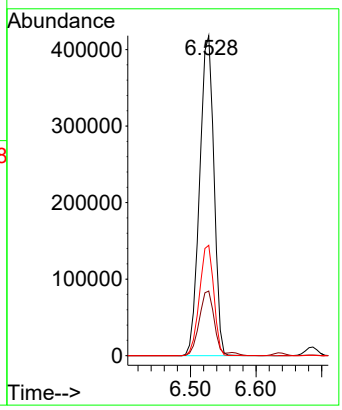


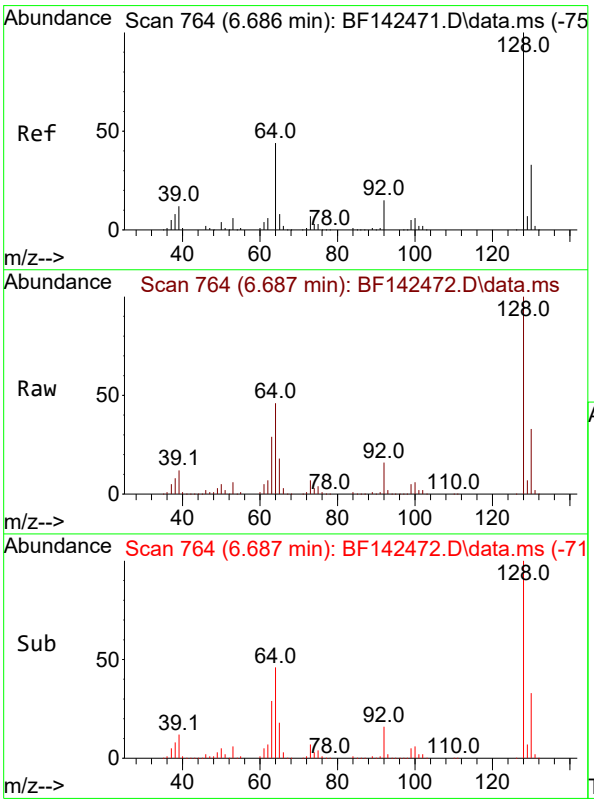
#7
Phenol-d6
Concen: 102.679 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 633841

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.2	24.2
71	34.5	27.3	40.9

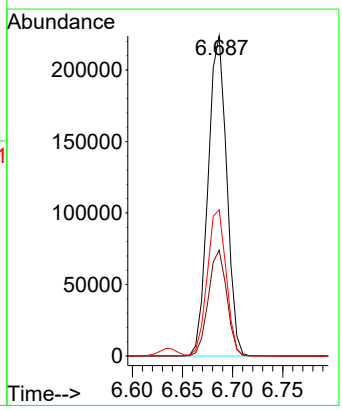


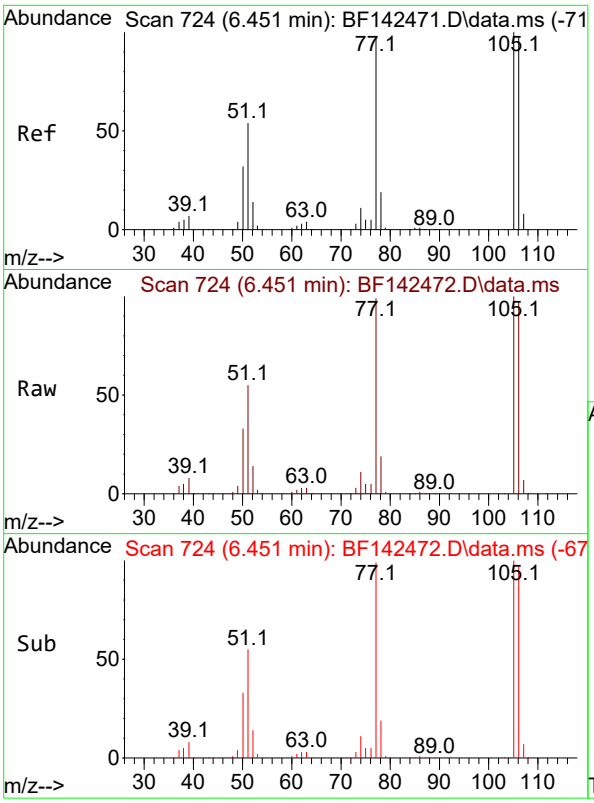


#8
2-Chlorophenol
Concen: 51.731 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:128 Resp: 288948

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	45.7	25.1	65.1



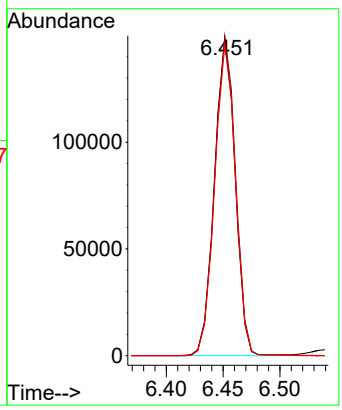


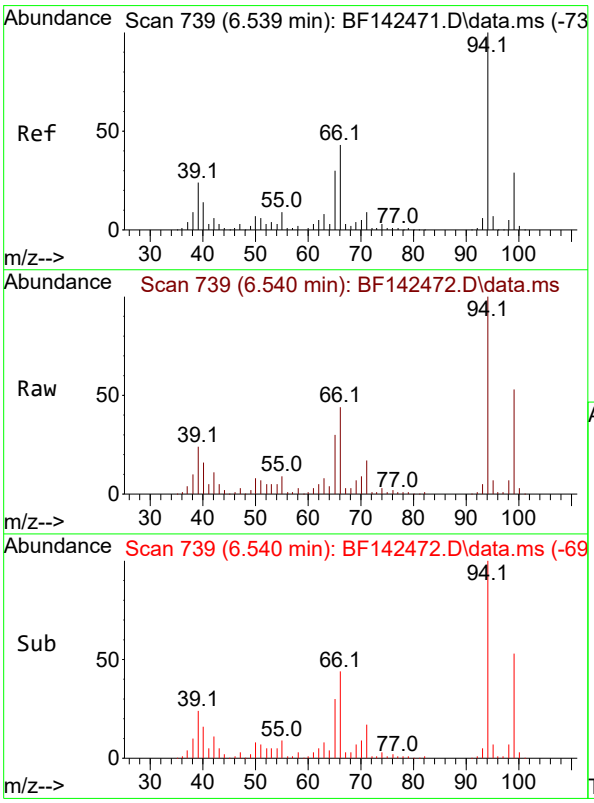
#9
Benzaldehyde
Concen: 50.700 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 188241

Ion	Ratio	Lower	Upper
77	100		
105	100.9	82.5	122.5
106	98.0	80.0	120.0

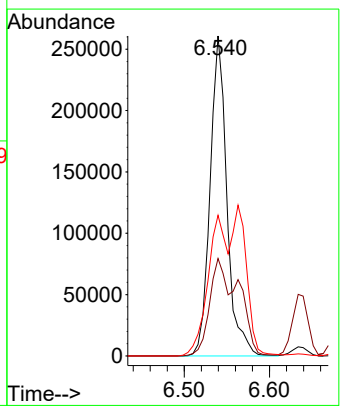


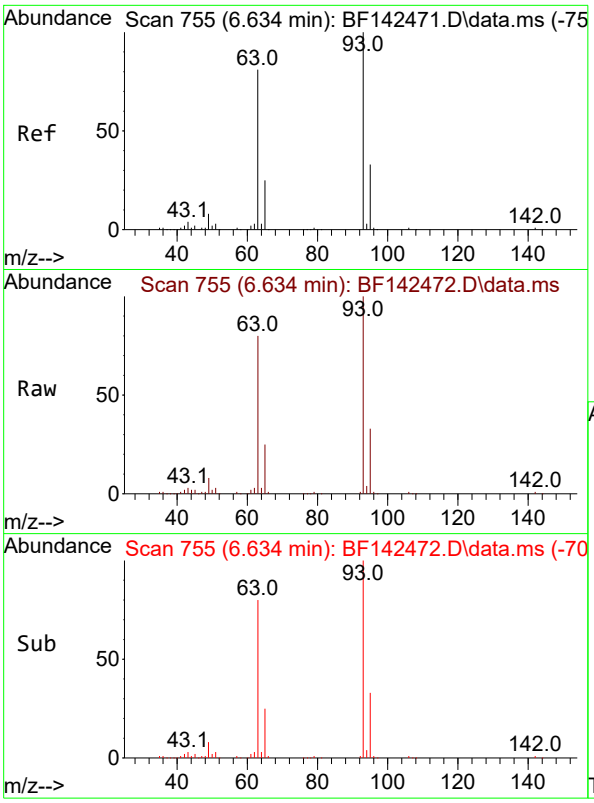


#10
Phenol
Concen: 51.526 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 94 Resp: 357896

Ion	Ratio	Lower	Upper
94	100		
65	30.4	10.3	50.3
66	44.0	22.6	62.6



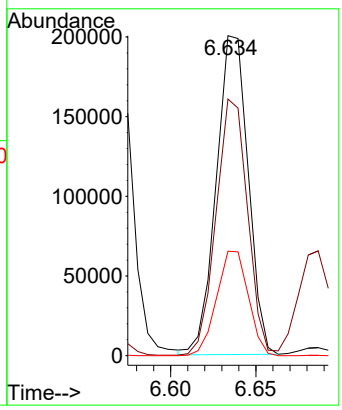


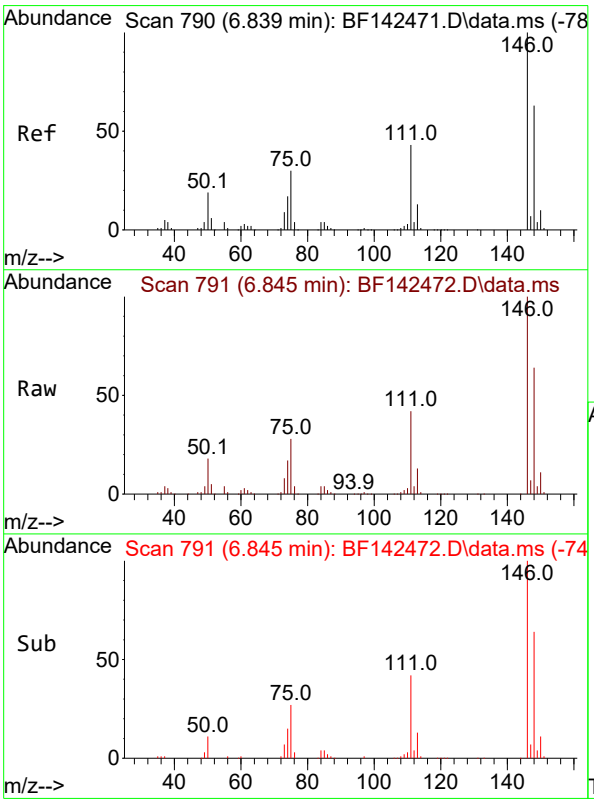
#11
bis(2-Chloroethyl)ether
Concen: 52.210 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 261046

Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.2	100.2
95	32.7	12.3	52.3

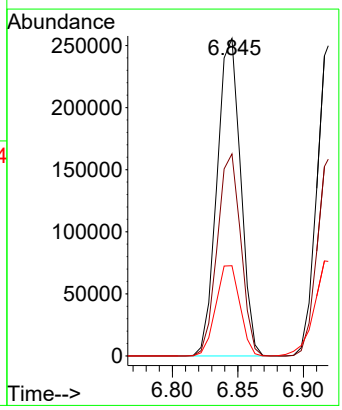


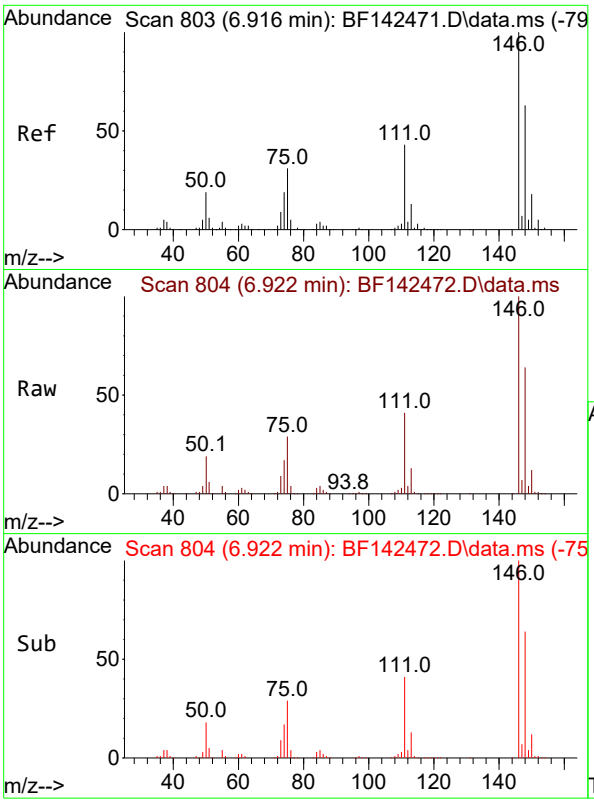


#12
1,3-Dichlorobenzene
Concen: 51.357 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:146 Resp: 320095

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
75	28.4	23.8	35.6



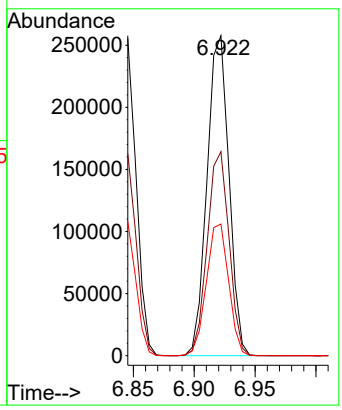


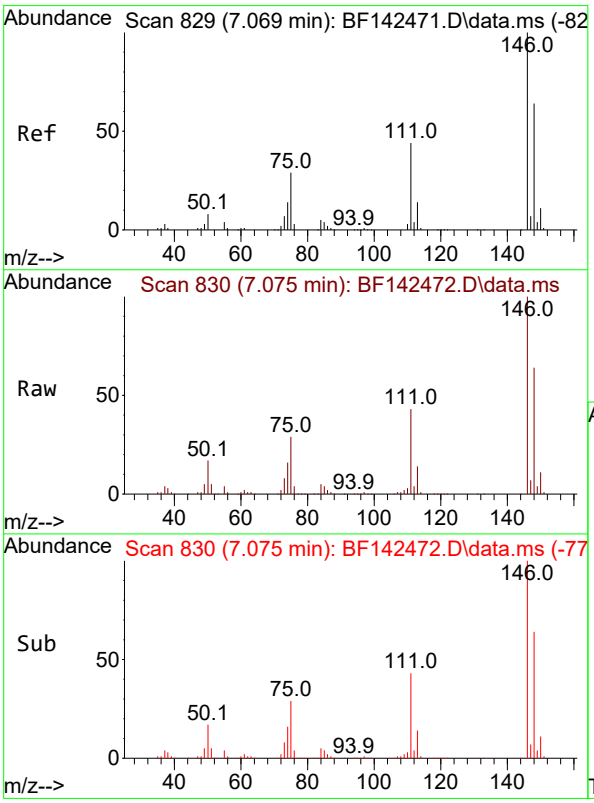
#13
1,4-Dichlorobenzene
Concen: 51.427 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 322871

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	41.1	34.1	51.1

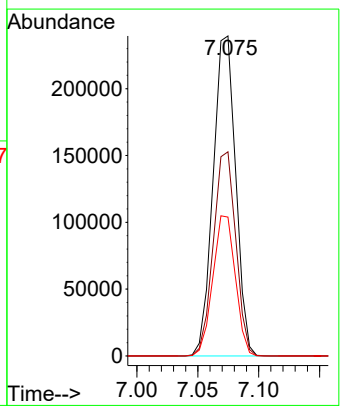


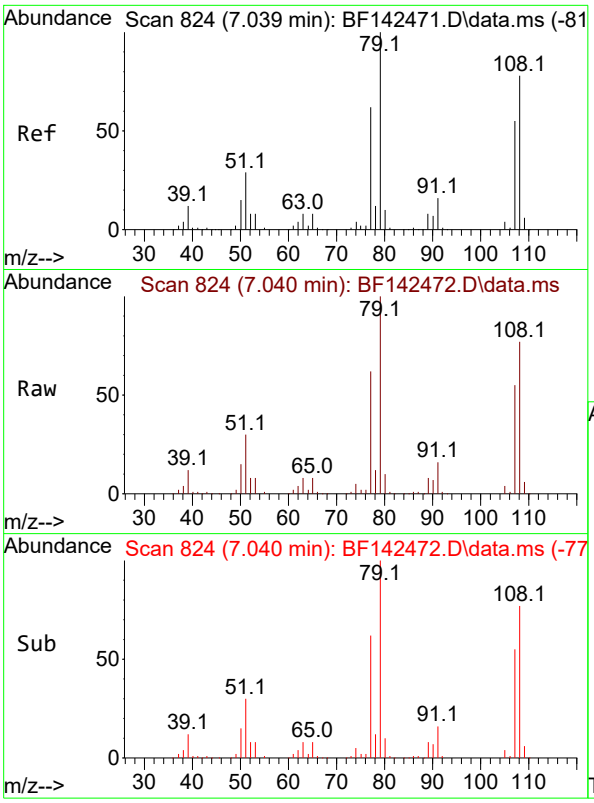


#14
1,2-Dichlorobenzene
Concen: 51.491 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:146 Resp: 309332

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	43.4	35.0	52.6



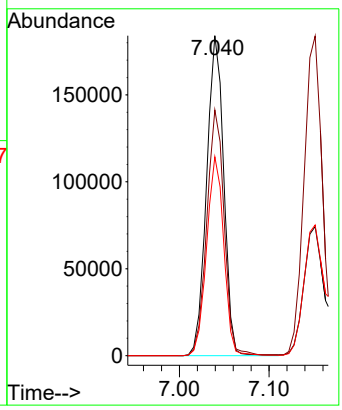


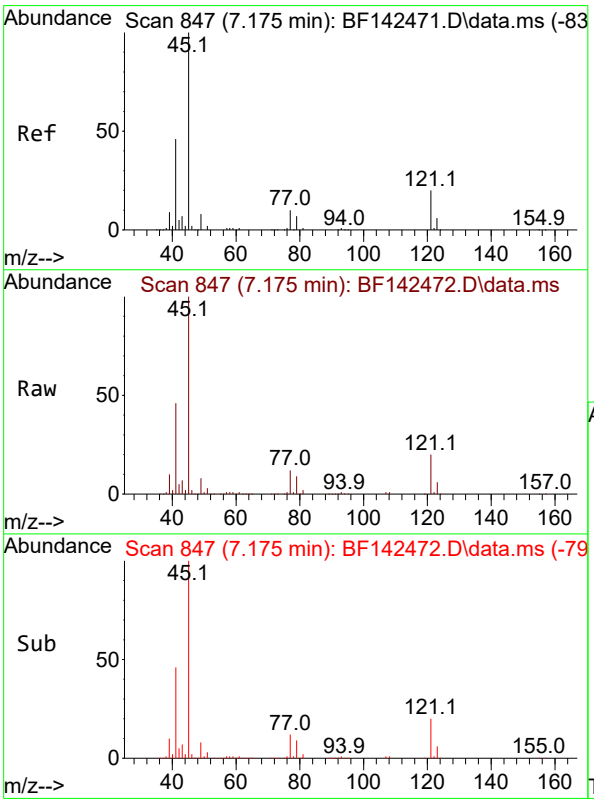
#15
Benzyl Alcohol
Concen: 53.559 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 244326

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.1	93.1
77	62.1	49.5	74.3

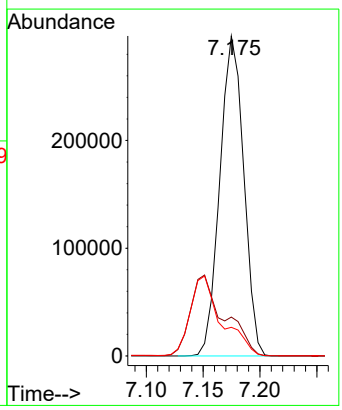


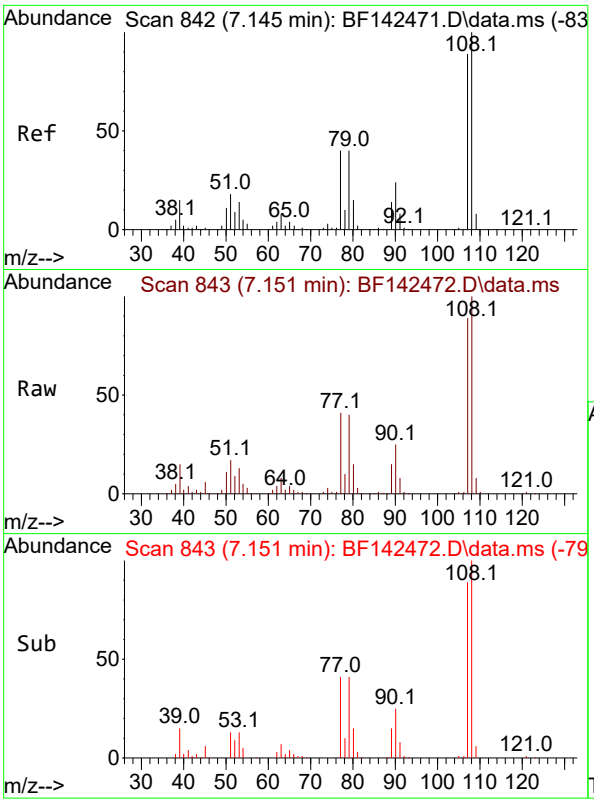


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.741 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 45 Resp: 434451

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	32.0
79	9.0	0.0	29.2



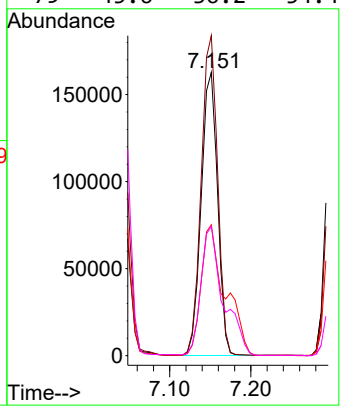


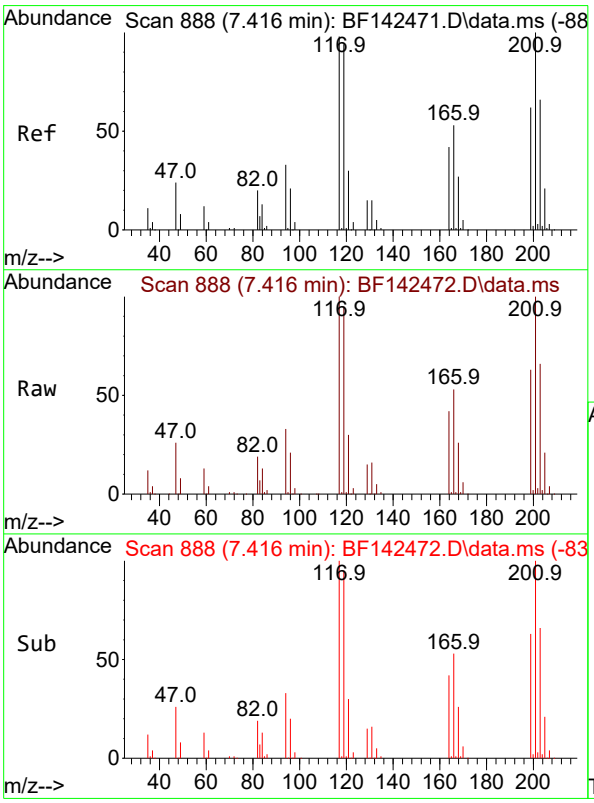
#17
2-Methylphenol
Concen: 52.141 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 227385

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.2	135.2
77	46.2	36.1	54.1
79	45.6	36.2	54.4

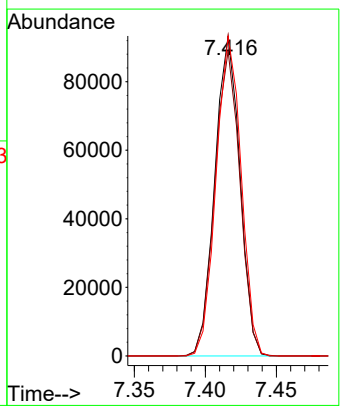


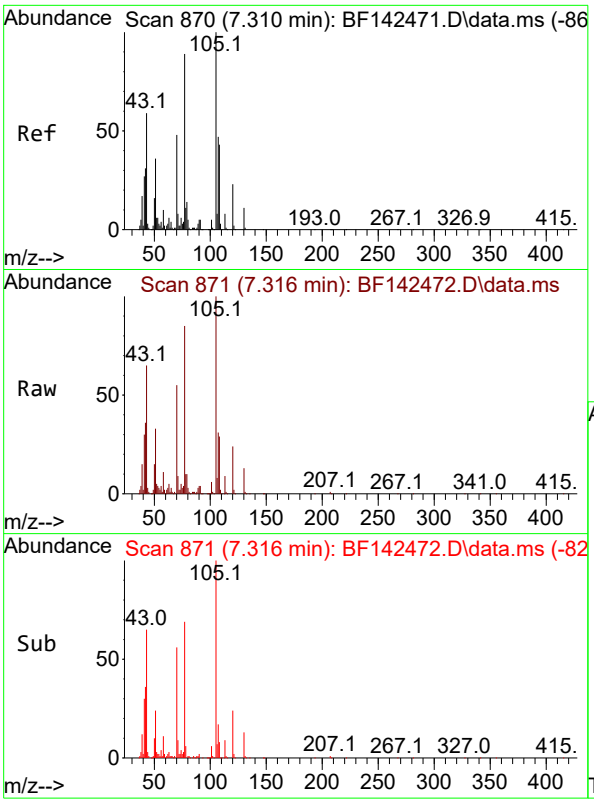


#18
Hexachloroethane
Concen: 52.159 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:117 Resp: 114346

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	114.8
201	100.0	81.3	121.9



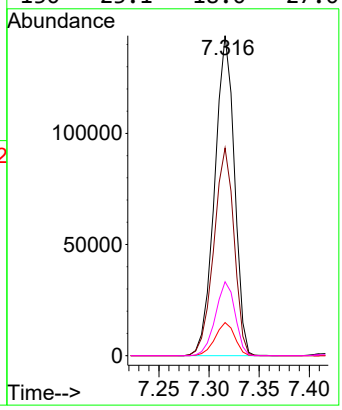


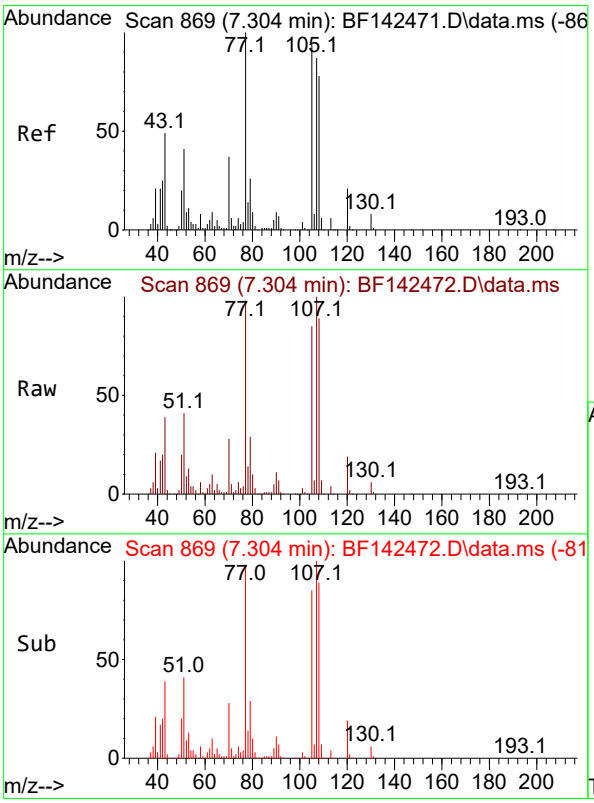
#19
n-Nitroso-di-n-propylamine
Concen: 51.498 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 197020

Ion	Ratio	Lower	Upper
70	100		
42	64.9	52.4	78.6
101	10.4	7.8	11.8
130	23.1	18.0	27.0

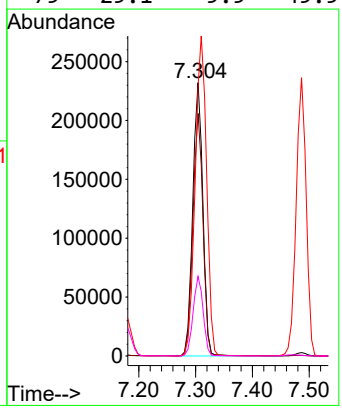


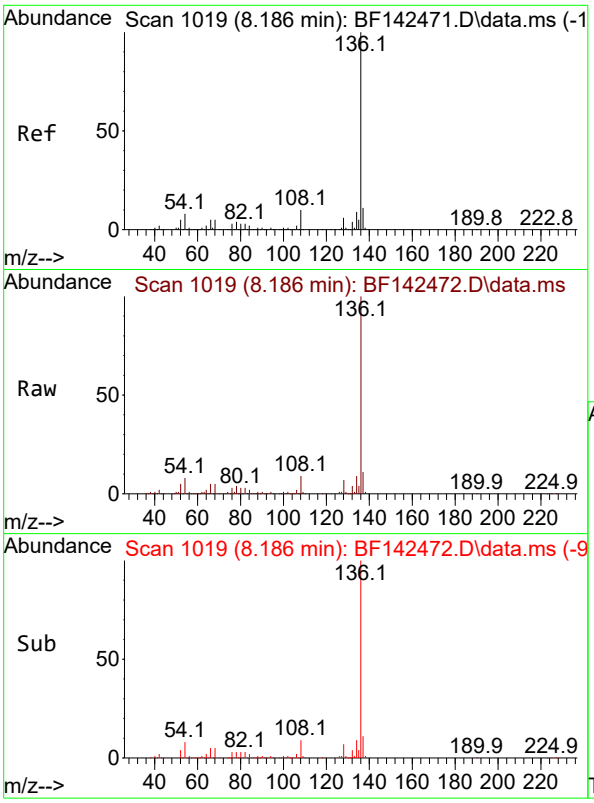


#20
3+4-Methylphenols
Concen: 51.719 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:107 Resp: 288829

Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.4	110.4
77	98.4	95.4	135.4
79	29.1	9.9	49.9



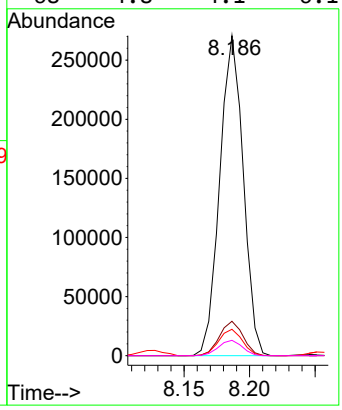


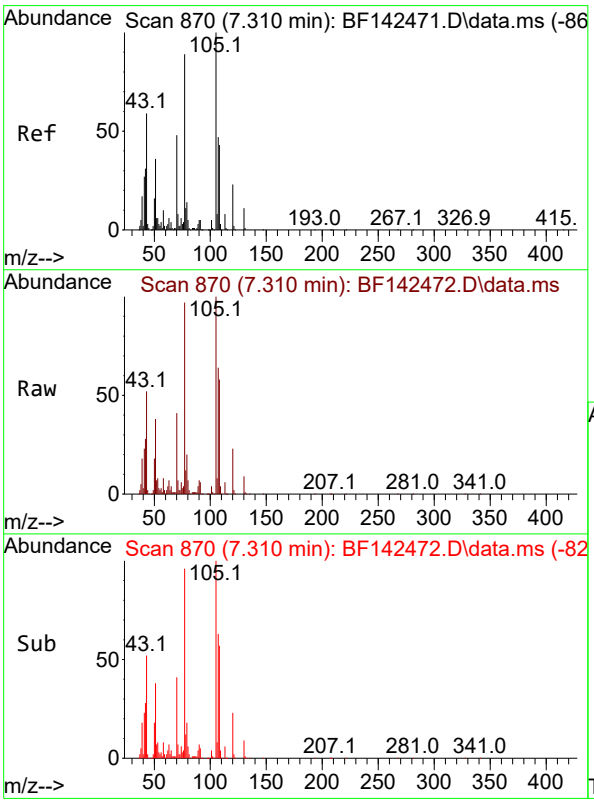
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 336796

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	10.0
68	4.8	4.1	6.1

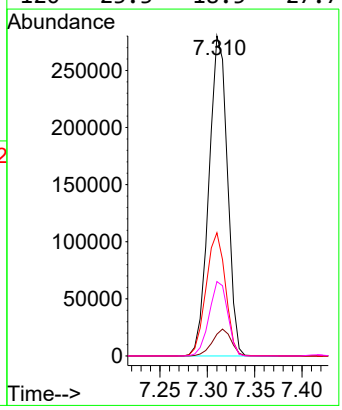


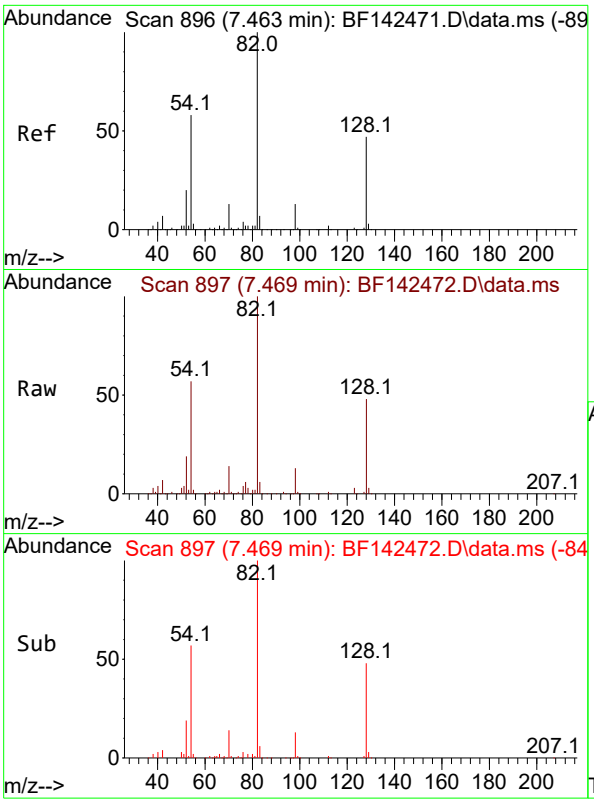


#22
Acetophenone
Concen: 50.992 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:105 Resp: 380175

Ion	Ratio	Lower	Upper
105	100		
71	6.8	6.4	9.6
51	38.5	28.6	42.8
120	23.3	18.5	27.7



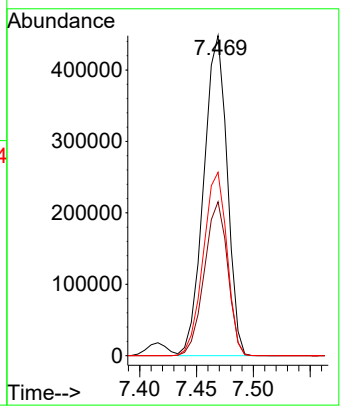


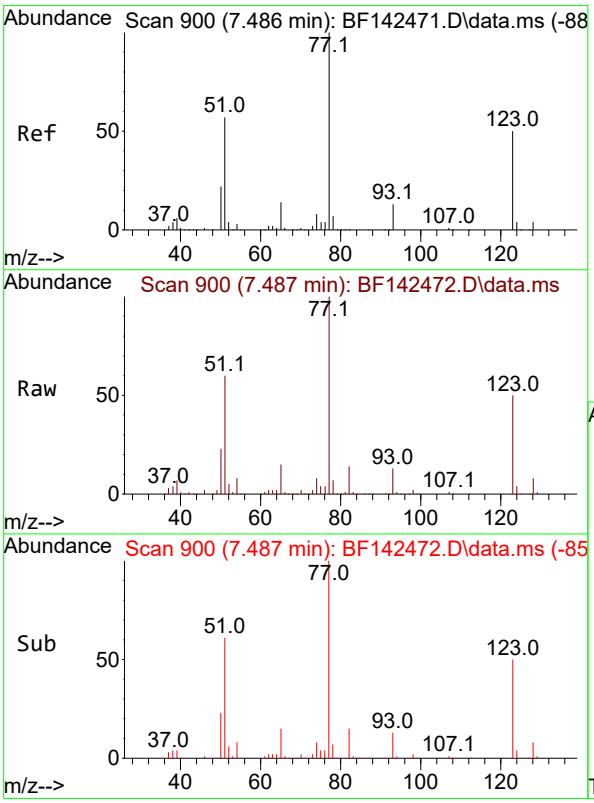
#23
Nitrobenzene-d5
Concen: 104.135 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 643186

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.3	46.6	70.0

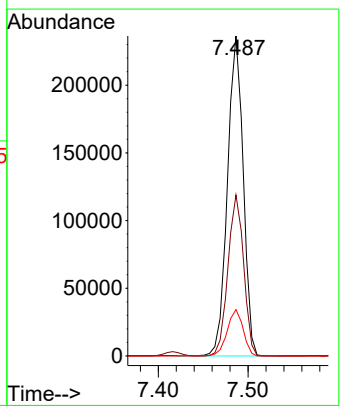


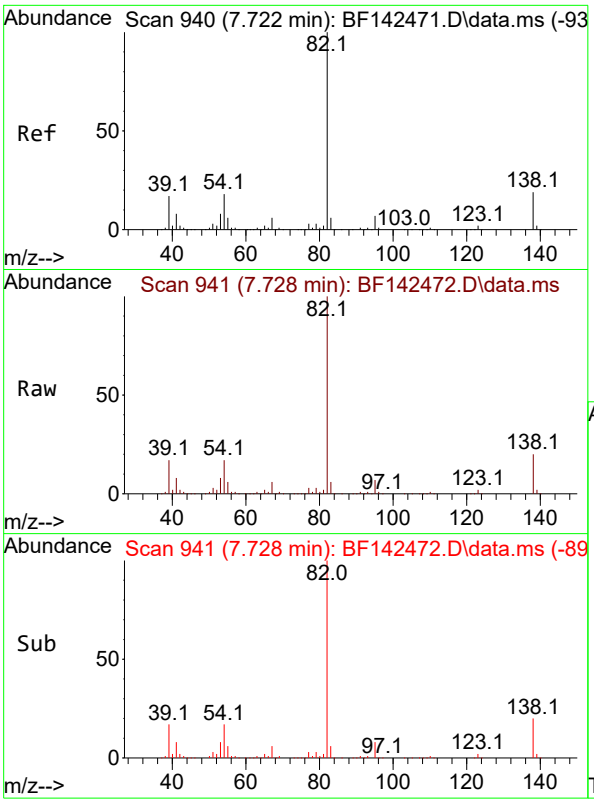


#24
Nitrobenzene
Concen: 51.834 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 77 Resp: 288748

Ion	Ratio	Lower	Upper
77	100		
123	50.3	40.6	61.0
65	14.5	11.4	17.2



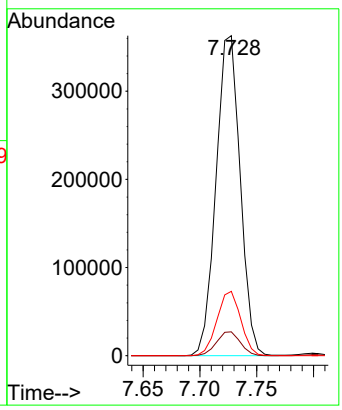


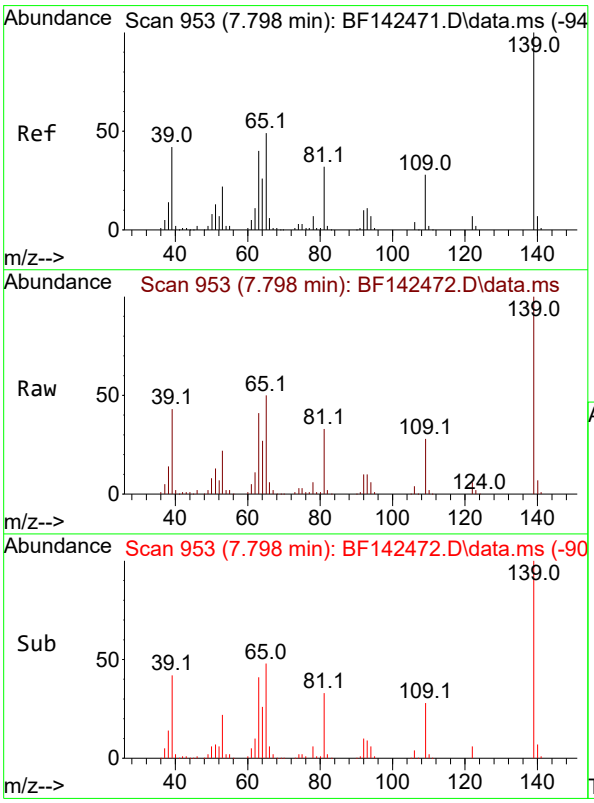
#25
Isophorone
Concen: 51.985 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 536829

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	20.1	15.5	23.3

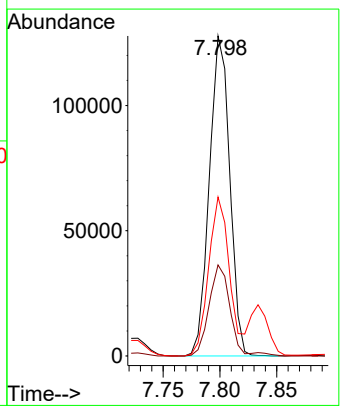


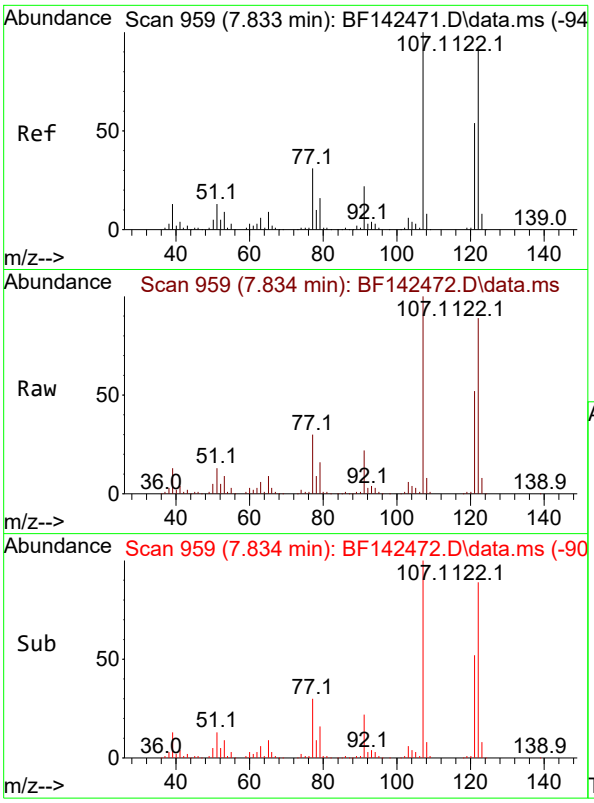


#26
2-Nitrophenol
Concen: 53.679 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:139 Resp: 159779

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.6	33.8
65	49.6	39.4	59.0



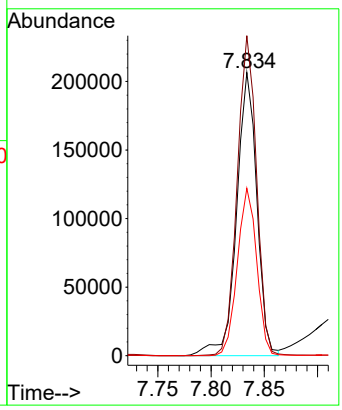


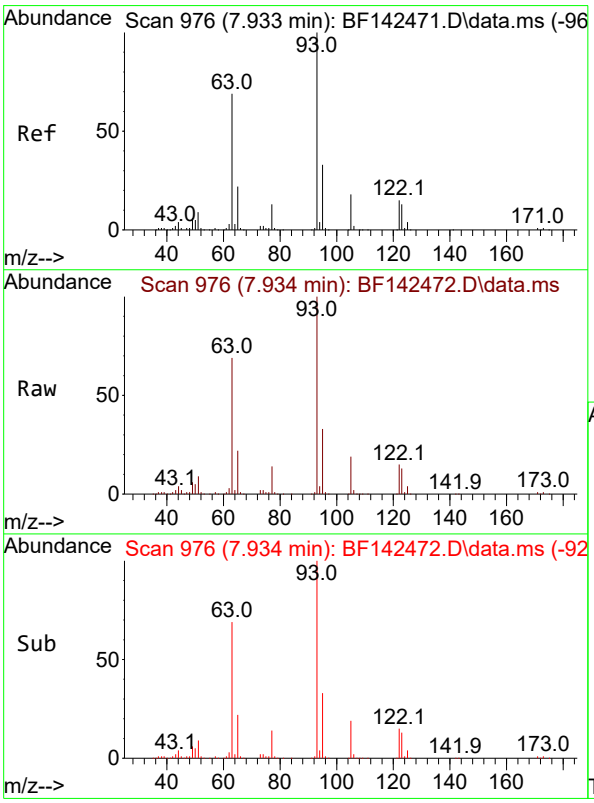
#27
2,4-Dimethylphenol
Concen: 52.123 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 273604

Ion	Ratio	Lower	Upper
122	100		
107	113.0	88.1	132.1
121	59.1	47.3	70.9

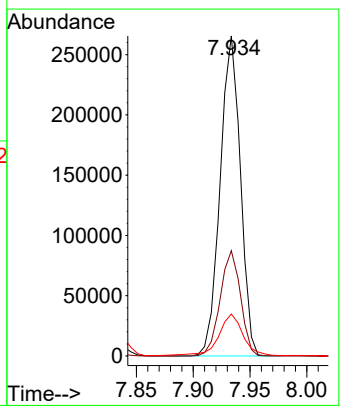


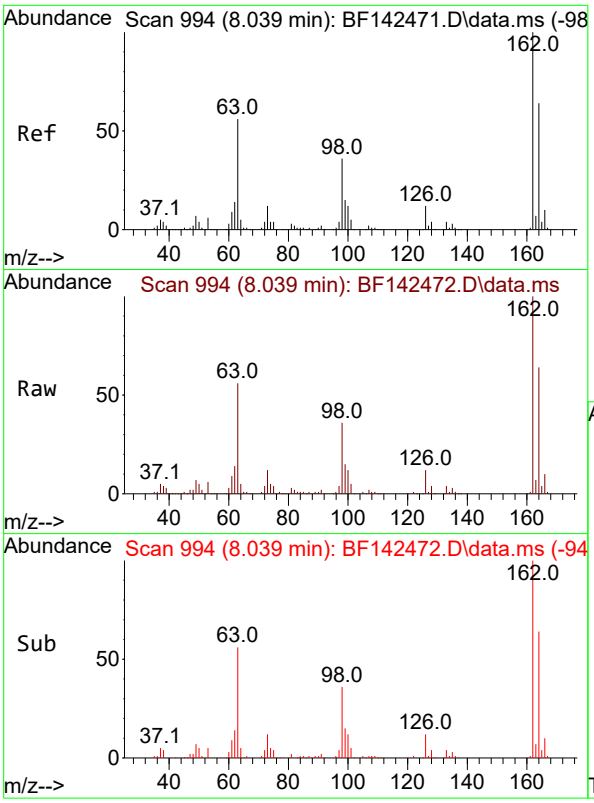


#28
bis(2-Chloroethoxy)methane
Concen: 51.041 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 93 Resp: 329256

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	13.1	10.6	15.8



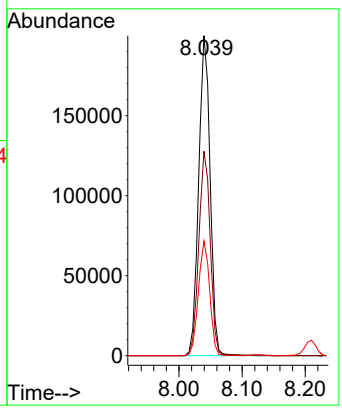


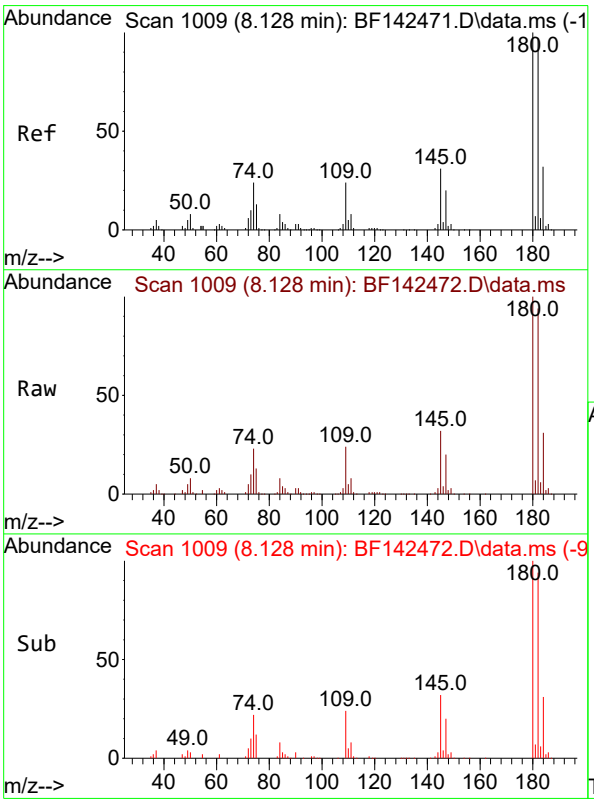
#29
2,4-Dichlorophenol
Concen: 52.840 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 252244

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.7	83.7
98	35.9	15.5	55.5

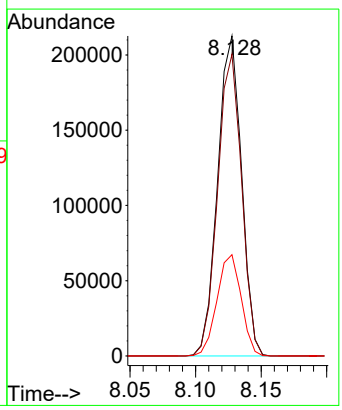


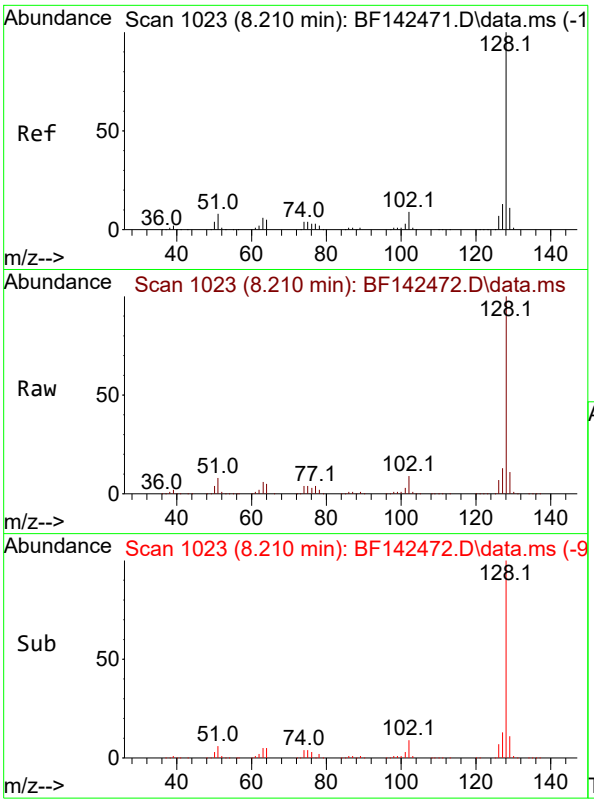


#30
1,2,4-Trichlorobenzene
Concen: 51.934 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:180 Resp: 269064

Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.0	117.0
145	31.7	25.0	37.6



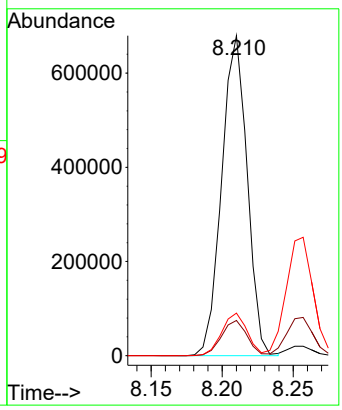


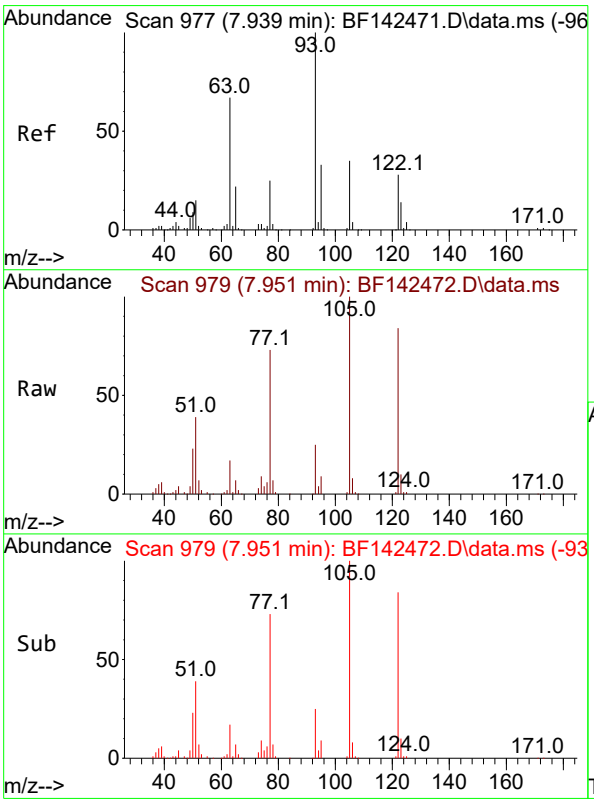
#31
Naphthalene
Concen: 51.109 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 847571

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.5	15.7

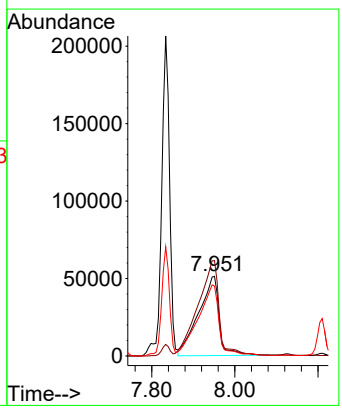


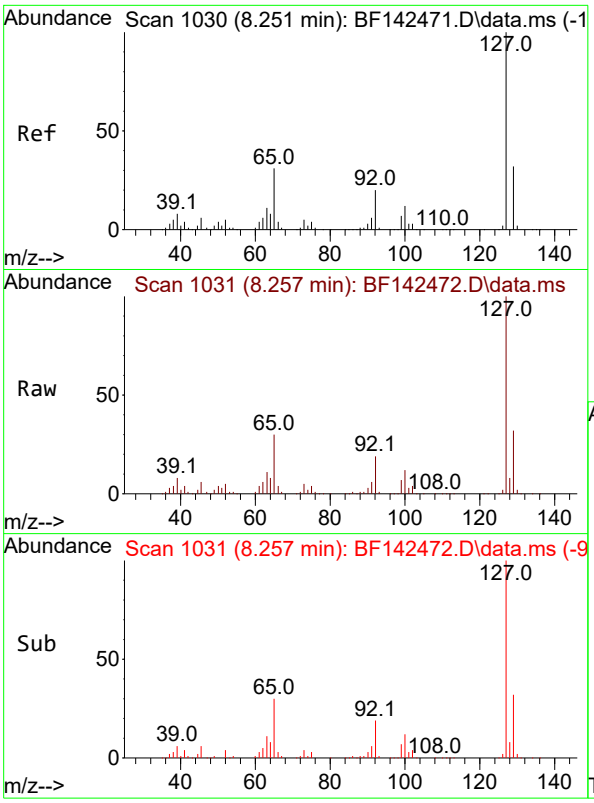


#32
Benzoic acid
Concen: 55.512 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.024 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:122 Resp: 177379

Ion	Ratio	Lower	Upper
122	100		
105	119.5	101.7	141.7
77	87.7	69.5	109.5



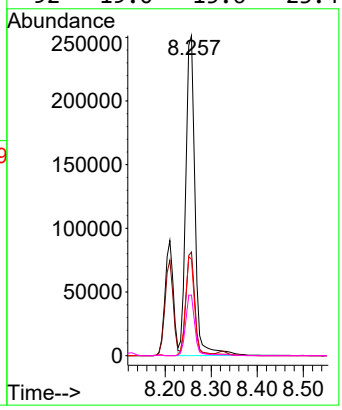


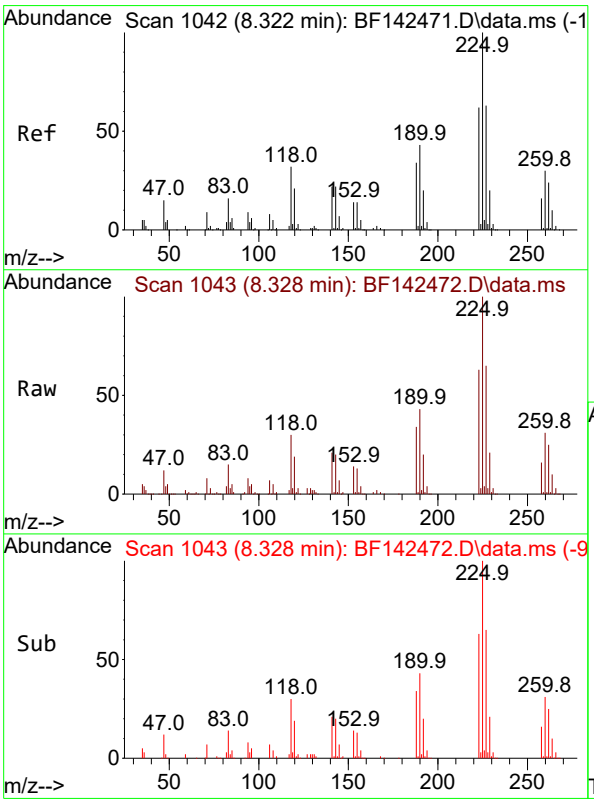
#33
4-Chloroaniline
Concen: 52.037 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 349678

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.2	24.9	37.3
92	19.0	15.6	23.4

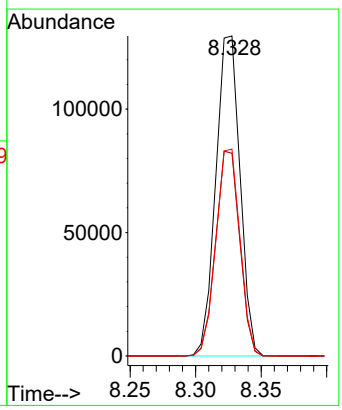


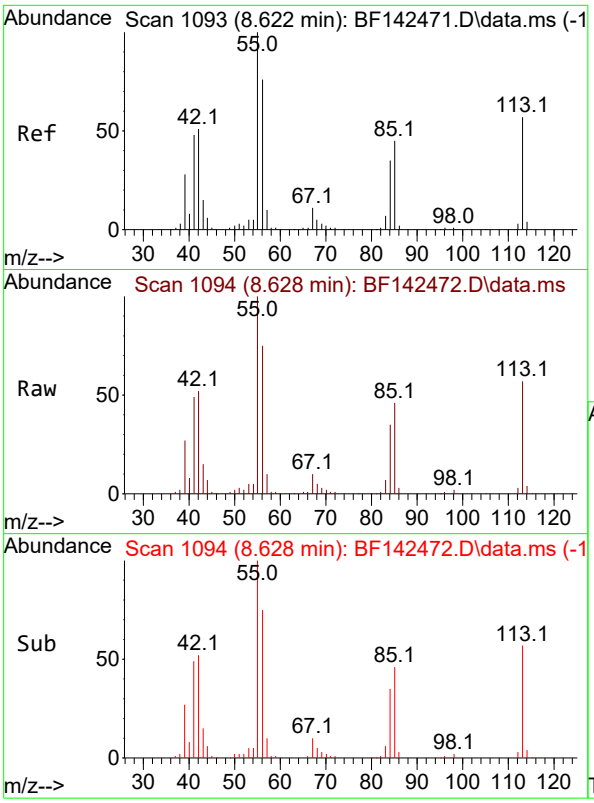


#34
Hexachlorobutadiene
Concen: 51.428 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:225 Resp: 166363

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.7	74.5
227	64.6	50.3	75.5



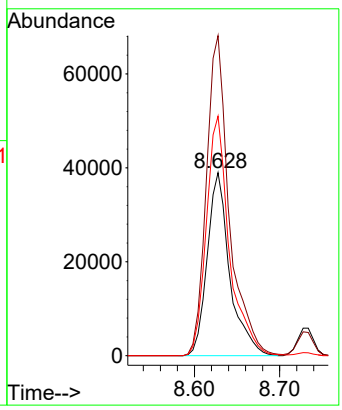


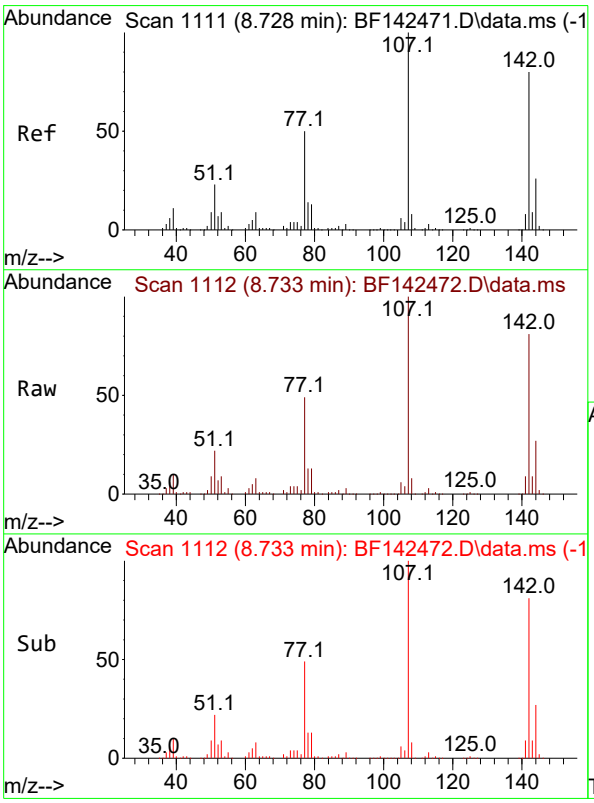
#35
Caprolactam
Concen: 53.297 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 71458

Ion	Ratio	Lower	Upper
113	100		
55	174.8	154.7	194.7
56	130.8	113.2	153.2

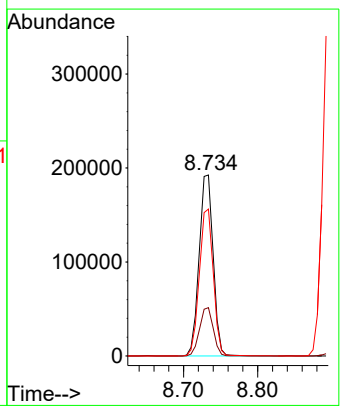


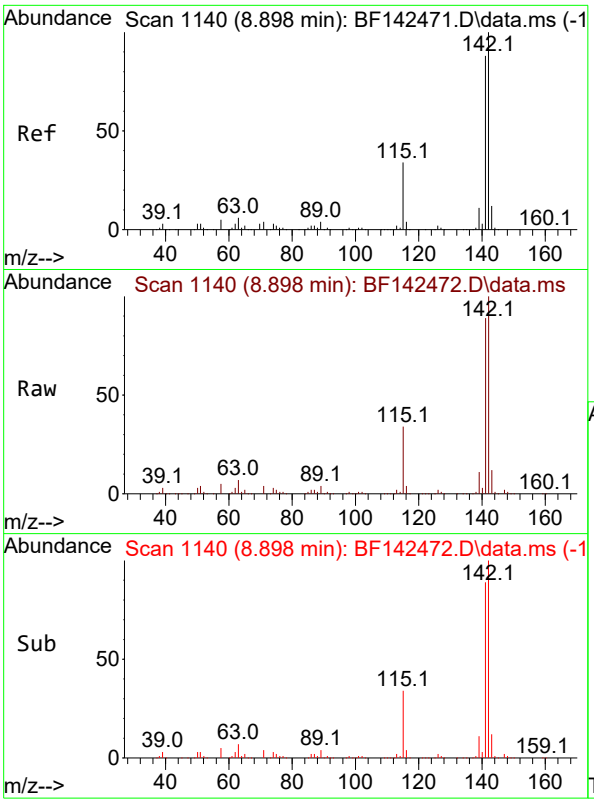


#36
4-Chloro-3-methylphenol
Concen: 51.862 ng
RT: 8.733 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:107 Resp: 253726

Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.9	31.3
142	81.2	64.2	96.2



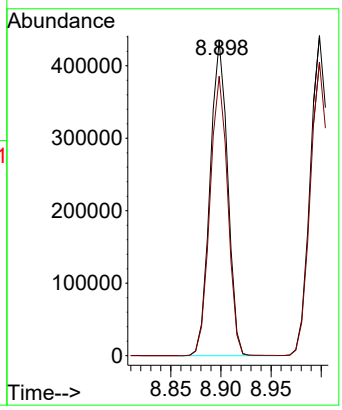


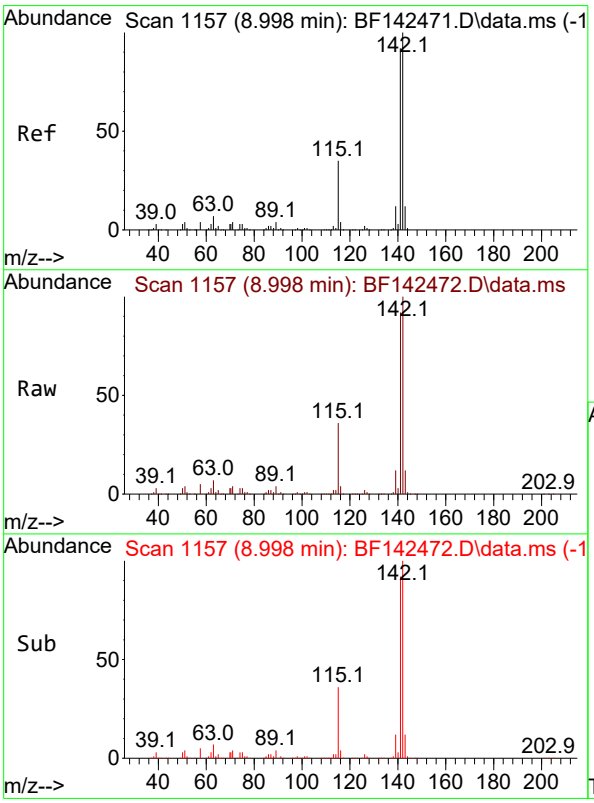
#37
2-Methylnaphthalene
Concen: 50.907 ng
RT: 8.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 531122

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.7	106.1

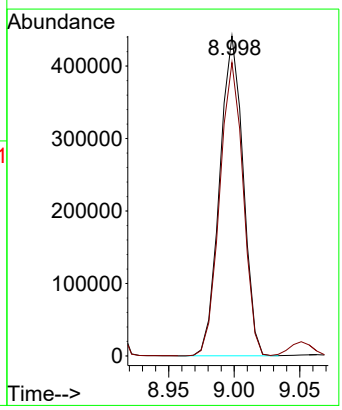


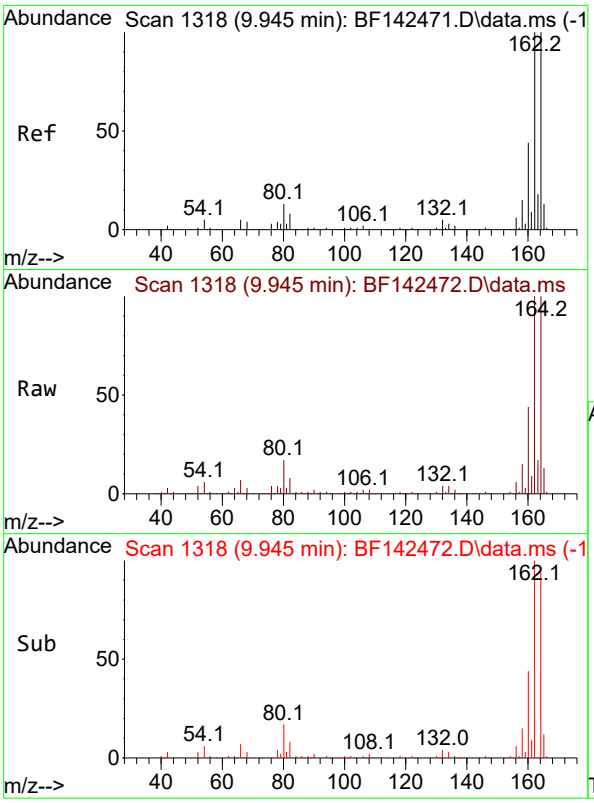


#38
1-Methylnaphthalene
Concen: 50.711 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:142 Resp: 547258

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.4	110.2



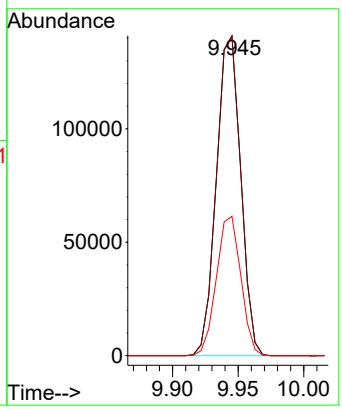


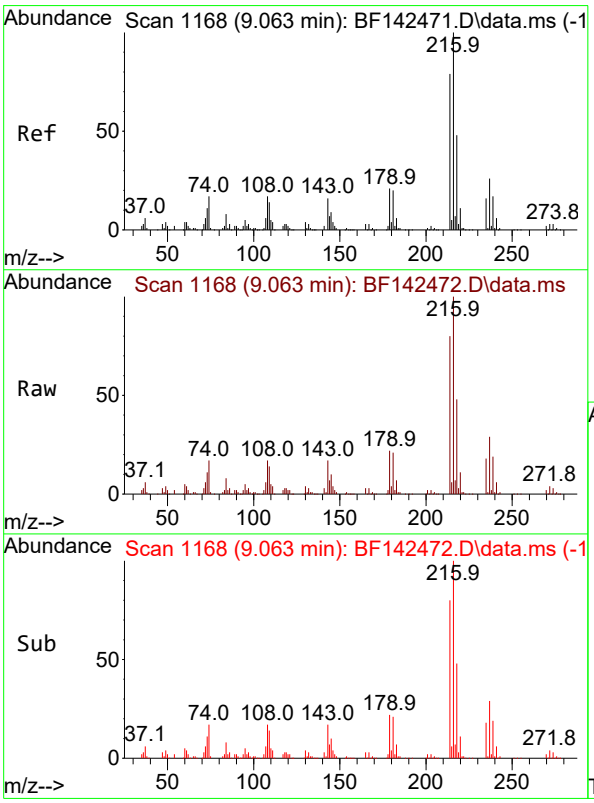
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 181409

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.4
160	43.7	35.6	53.4

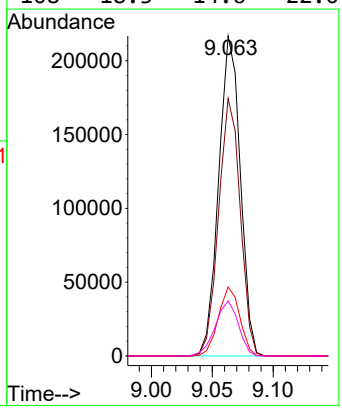


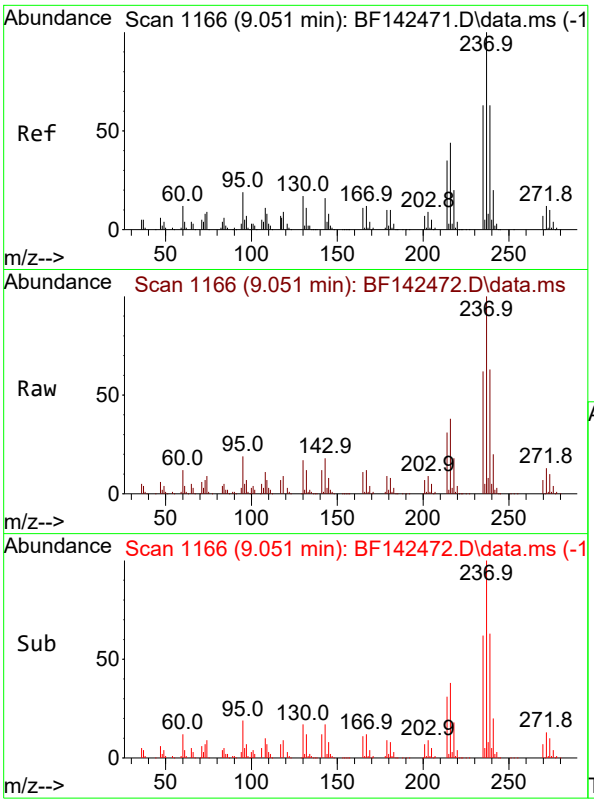


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.543 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:216 Resp: 268407

Ion	Ratio	Lower	Upper
216	100		
214	80.3	62.9	94.3
179	21.3	16.9	25.3
108	18.3	14.6	22.0



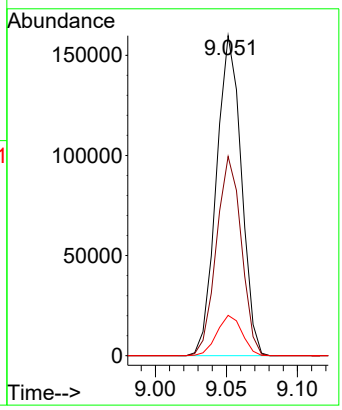


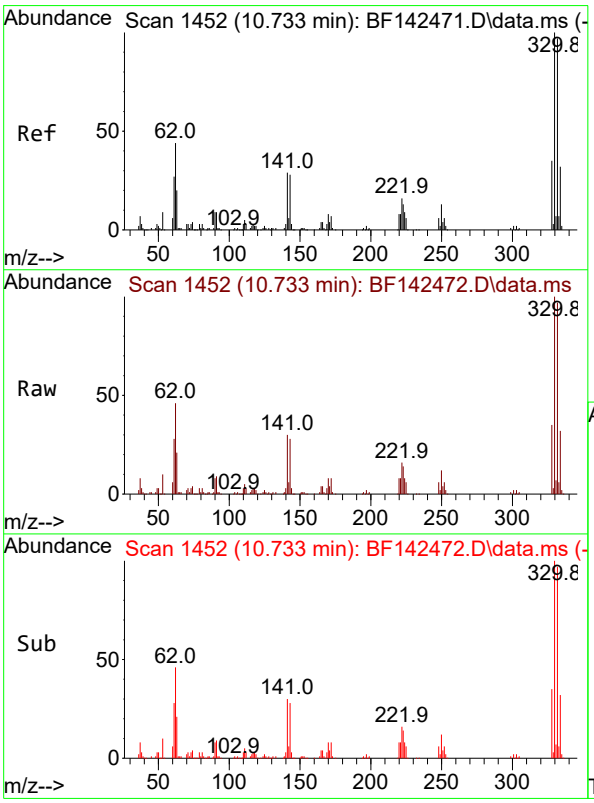
#41
Hexachlorocyclopentadiene
Concen: 55.532 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 195080

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.3	83.3
272	12.6	0.0	32.4

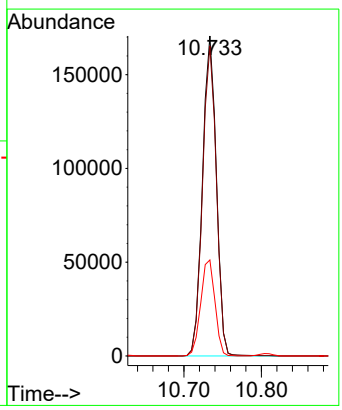


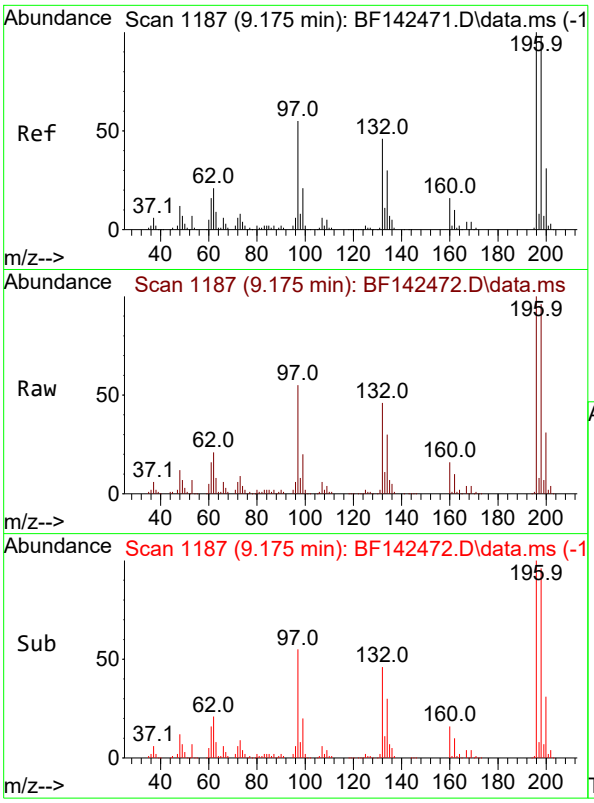


#42
2,4,6-Tribromophenol
Concen: 104.956 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:330 Resp: 211319

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.6	36.8



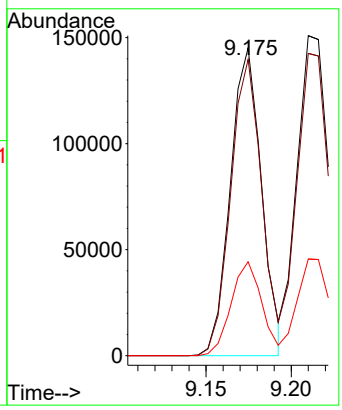


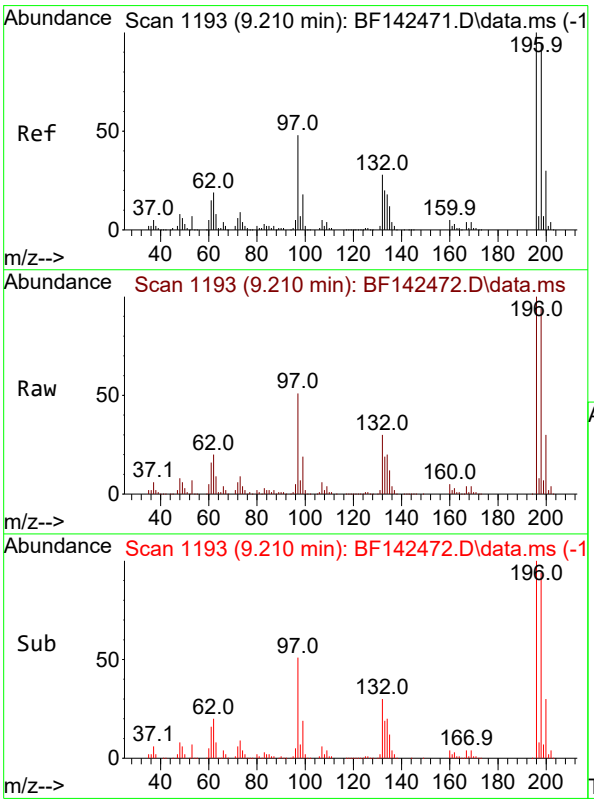
#43
2,4,6-Trichlorophenol
Concen: 52.421 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 184076

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.8	118.2
200	30.5	24.9	37.3

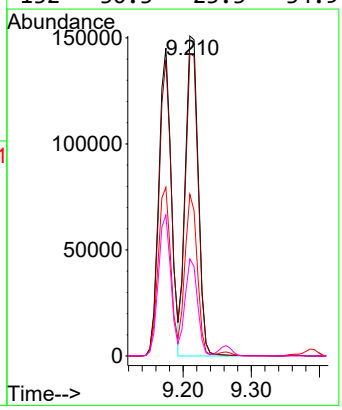


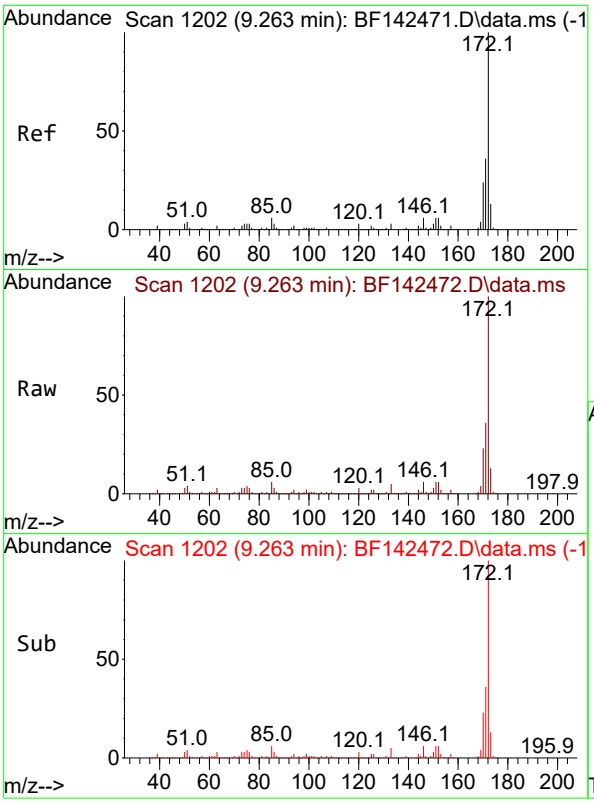


#44
2,4,5-Trichlorophenol
Concen: 53.537 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:196 Resp: 198266

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	50.5	39.3	58.9
132	30.3	23.3	34.9



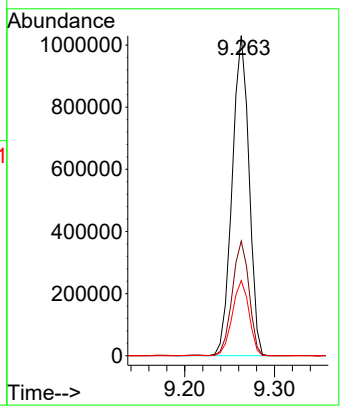


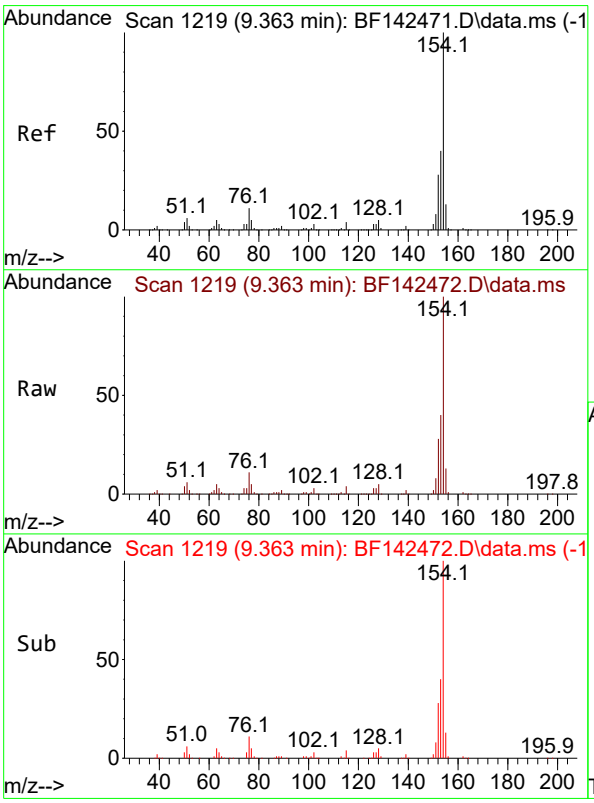
#45
2-Fluorobiphenyl
Concen: 99.269 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1342037

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.4	18.9	28.3

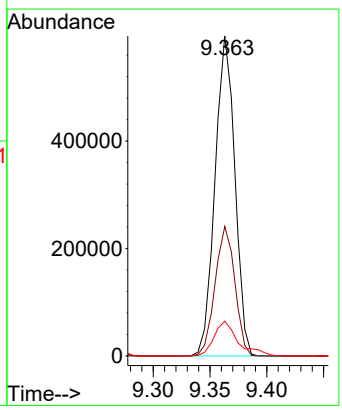


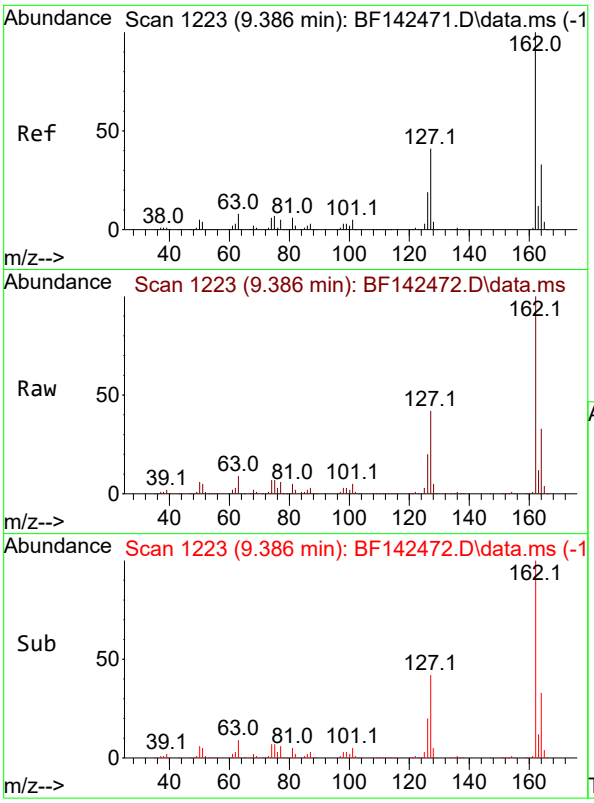


#46
1,1'-Biphenyl
Concen: 51.405 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:154 Resp: 723473

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



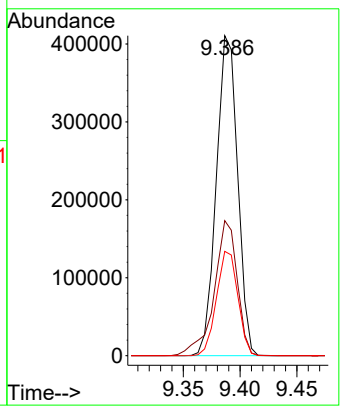


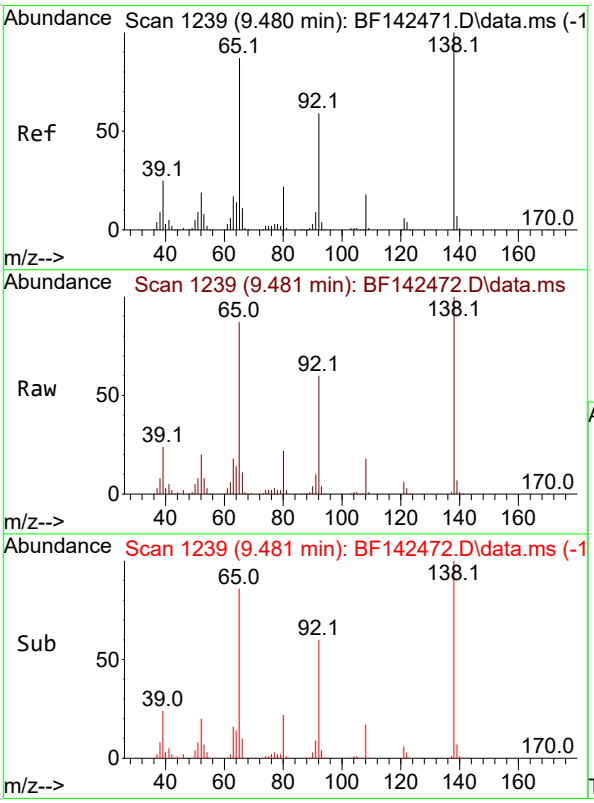
#47
2-Chloronaphthalene
Concen: 51.583 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 536379

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.5	50.3
164	32.6	26.1	39.1

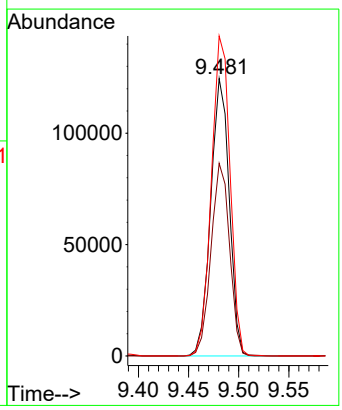


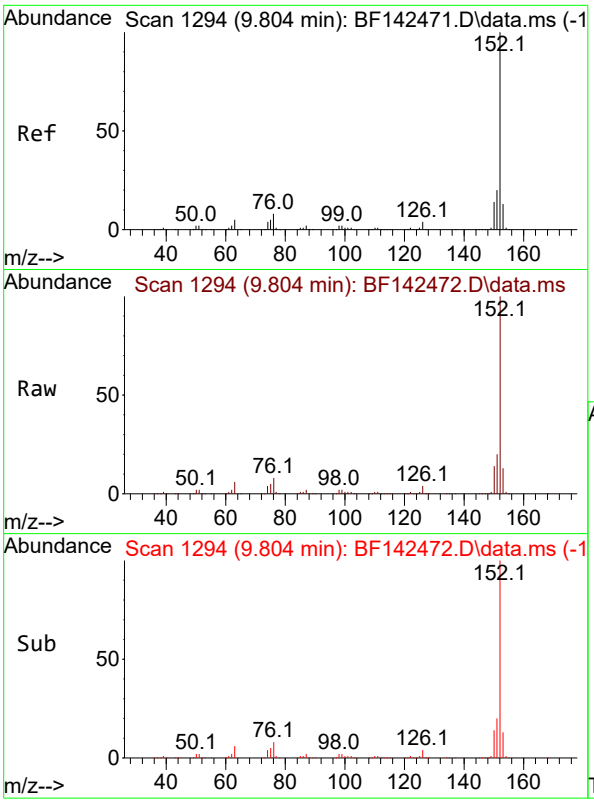


#48
2-Nitroaniline
Concen: 53.410 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion: 65 Resp: 160529

Ion	Ratio	Lower	Upper
65	100		
92	69.4	54.4	81.6
138	115.3	91.4	137.2



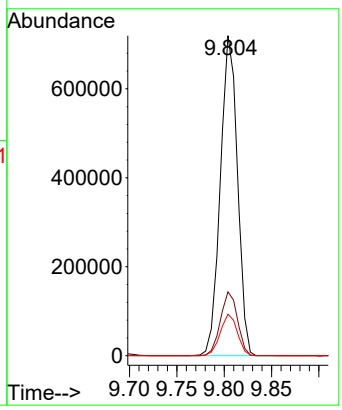


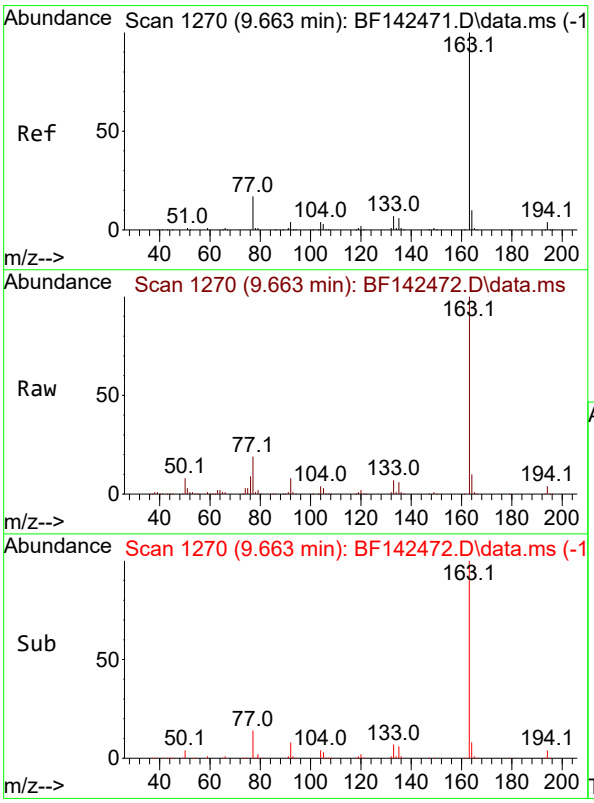
#49
Acenaphthylene
Concen: 51.602 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 906063

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.9	10.6	15.8

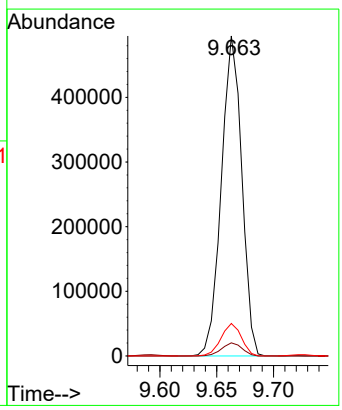


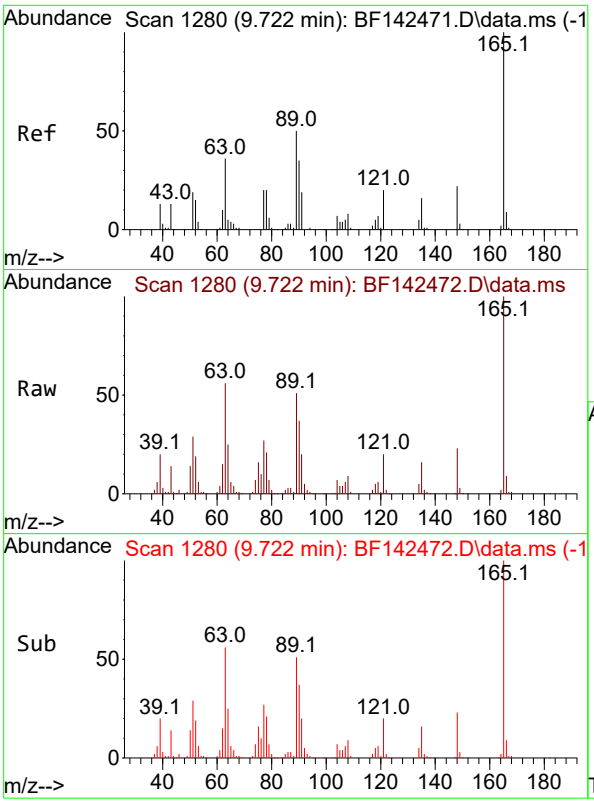


#50
Dimethylphthalate
Concen: 51.764 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:163 Resp: 619616

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.2	12.4



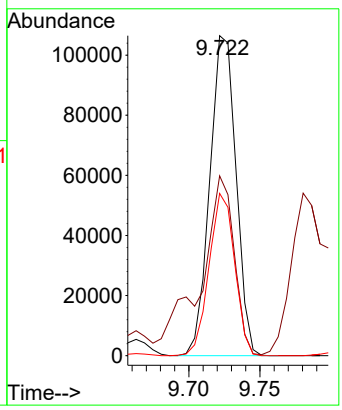


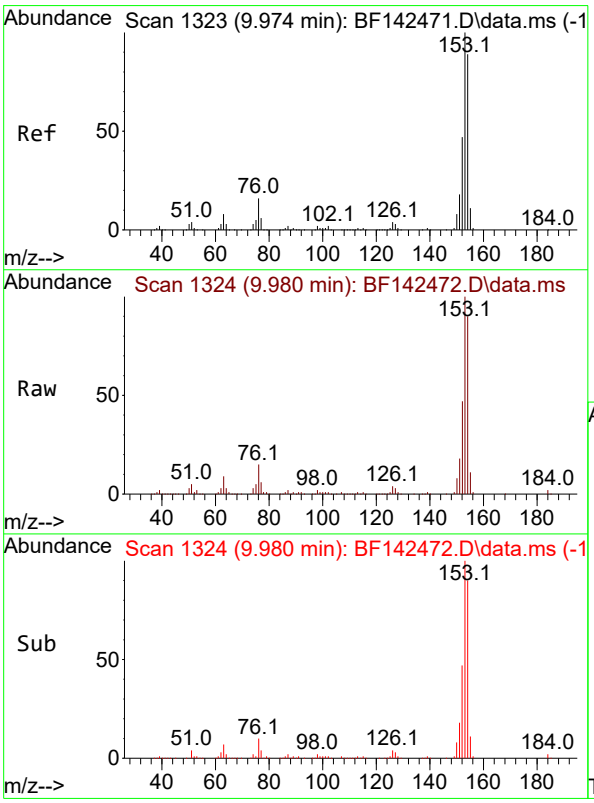
#51
2,6-Dinitrotoluene
Concen: 53.064 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 137090

Ion	Ratio	Lower	Upper
165	100		
63	56.2	42.9	64.3
89	50.7	40.2	60.4

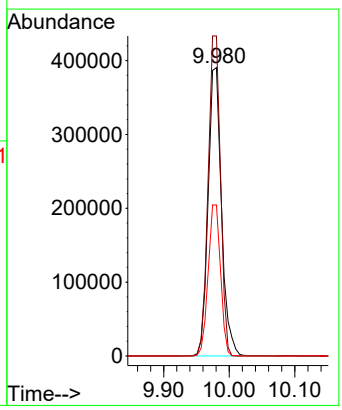


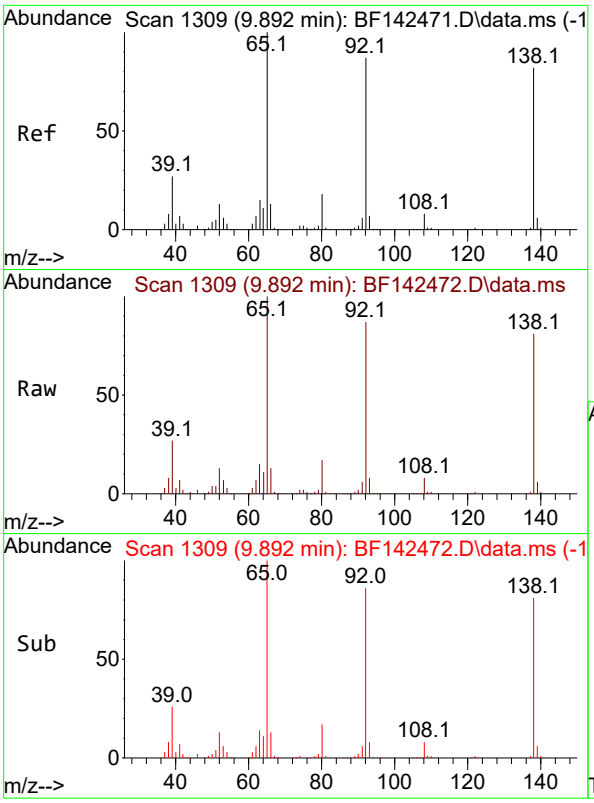


#52
Acenaphthene
Concen: 51.742 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:154 Resp: 554762

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.0	135.0
152	52.4	42.6	64.0



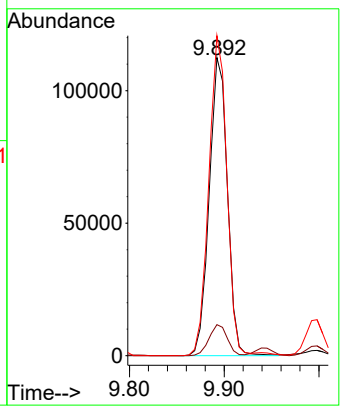


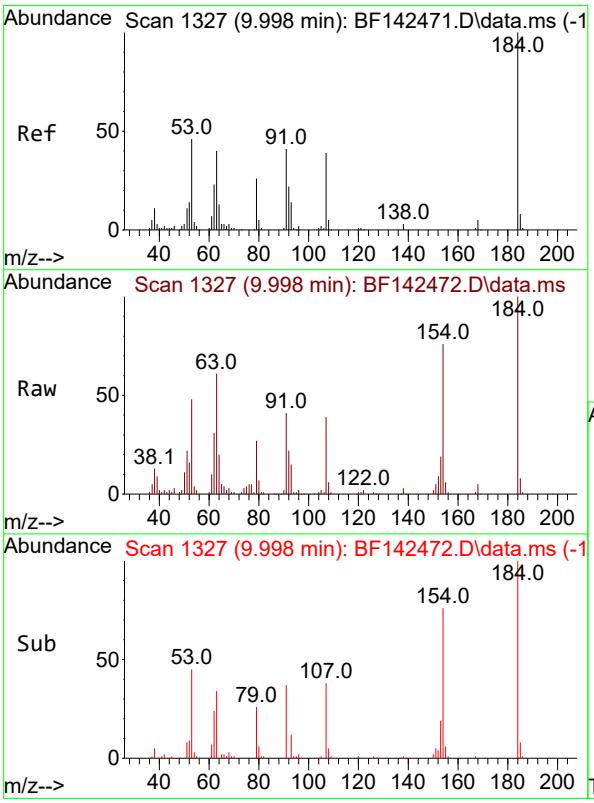
#53
3-Nitroaniline
Concen: 53.082 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 149786

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	107.3	85.2	127.8

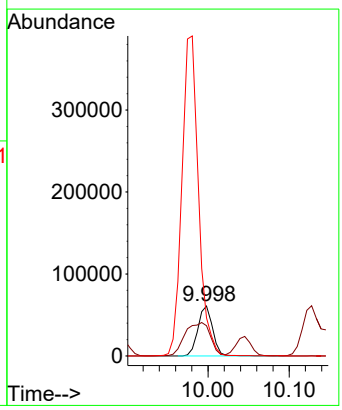


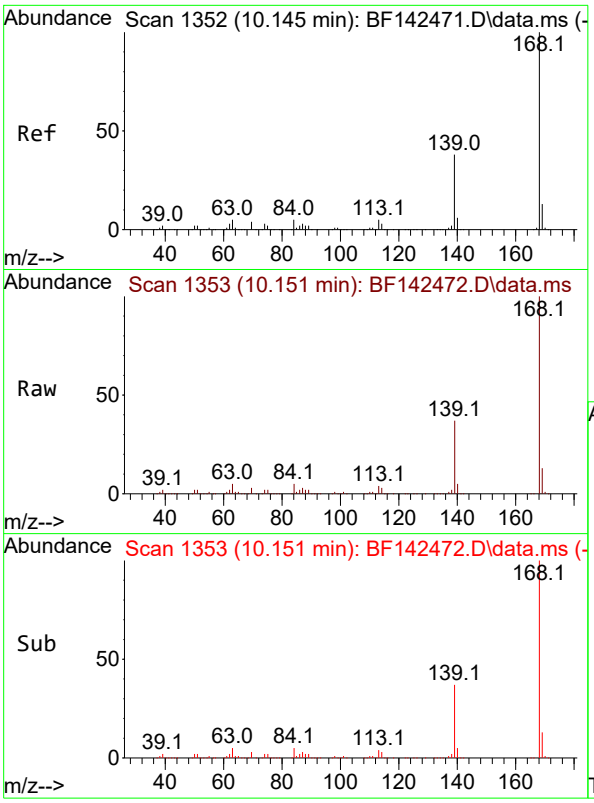


#54
2,4-Dinitrophenol
Concen: 57.487 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:184 Resp: 76730

Ion	Ratio	Lower	Upper
184	100		
63	60.6	46.3	69.5
154	76.3	56.8	85.2



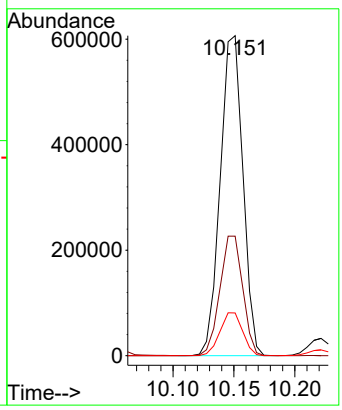


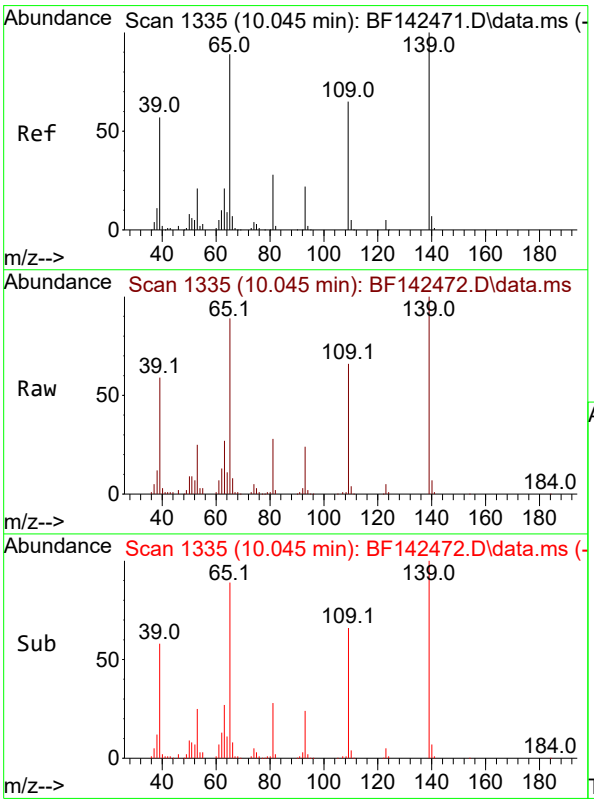
#55
Dibenzofuran
Concen: 51.038 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 787446

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.2	45.2
169	13.3	10.7	16.1

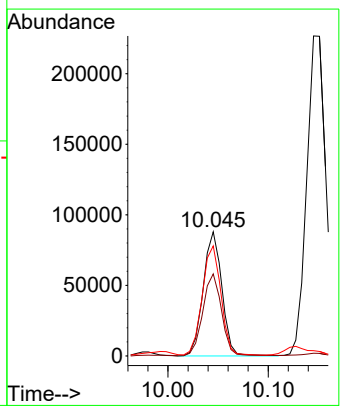


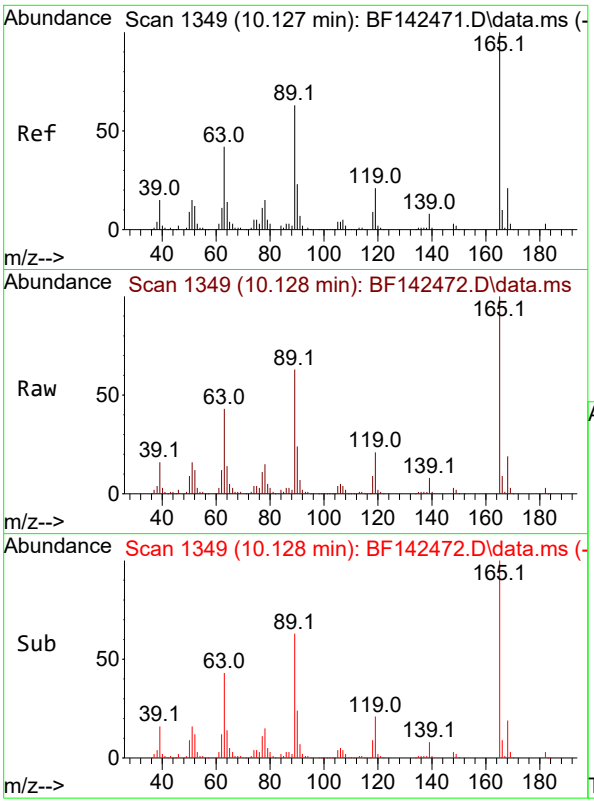


#56
4-Nitrophenol
Concen: 54.849 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:139 Resp: 114198

Ion	Ratio	Lower	Upper
139	100		
109	66.1	45.1	85.1
65	88.7	69.7	109.7



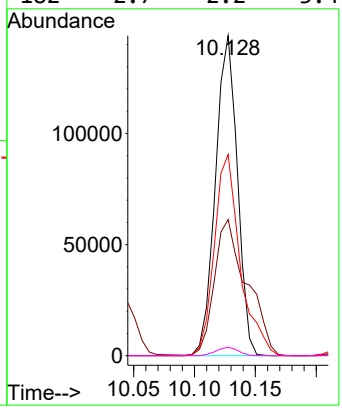


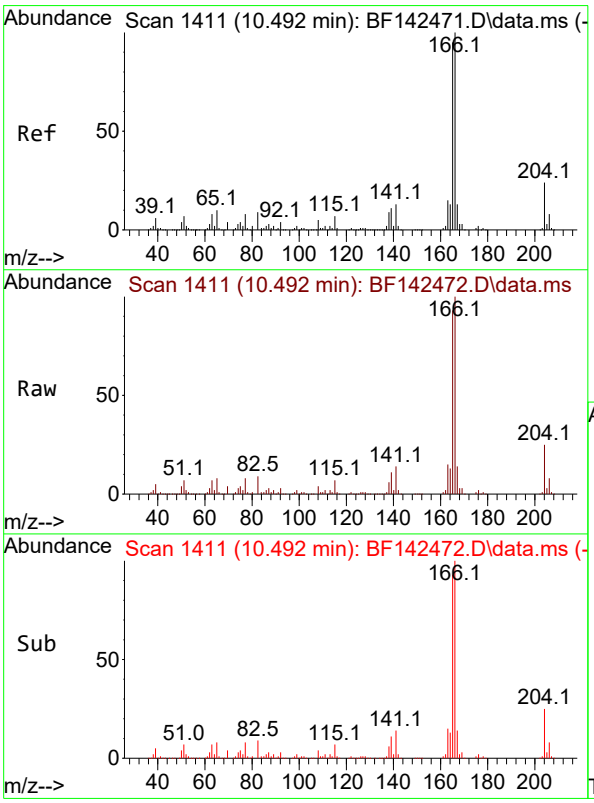
#57
2,4-Dinitrotoluene
Concen: 53.473 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 180417

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	62.8	50.2	75.4
182	2.7	2.2	3.4

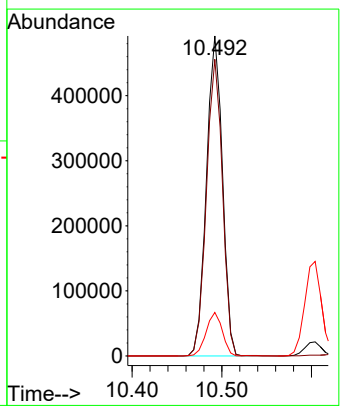


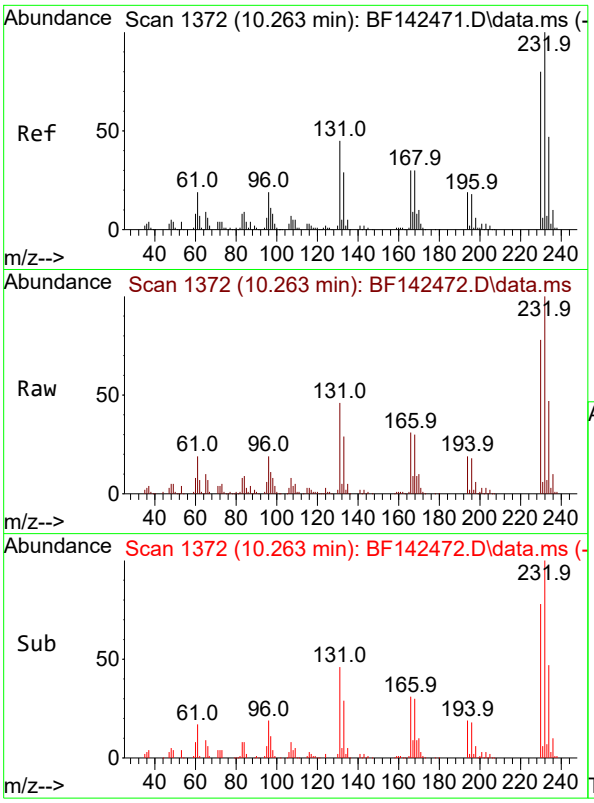


#58
Fluorene
Concen: 51.090 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:166 Resp: 608966

Ion	Ratio	Lower	Upper
166	100		
165	92.7	75.8	113.8
167	13.6	10.6	16.0



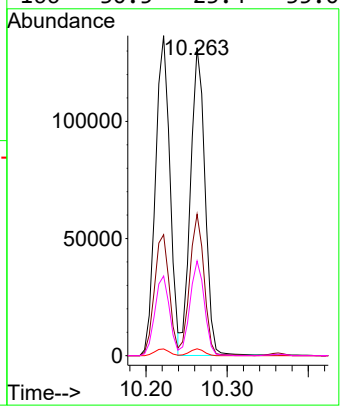


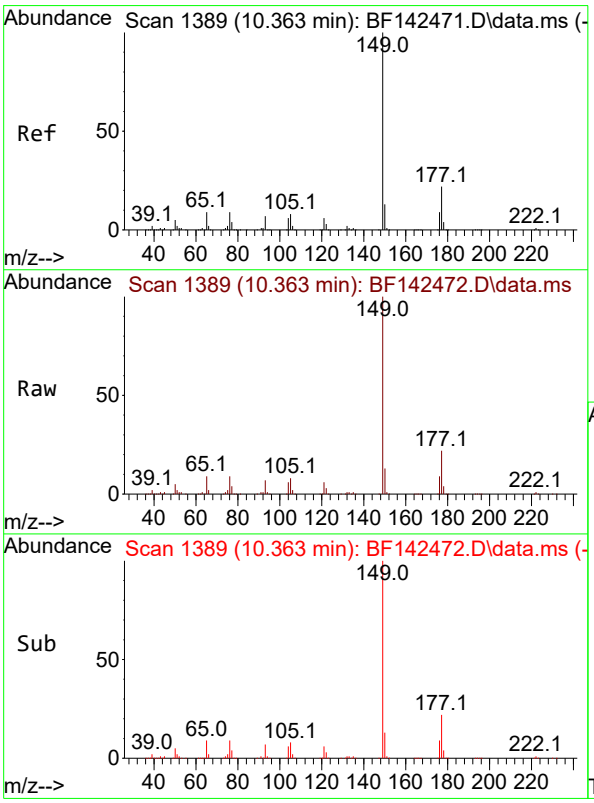
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.897 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 163539

Ion	Ratio	Lower	Upper
232	100		
131	45.5	35.2	52.8
130	2.2	1.7	2.5
166	30.5	23.4	35.0

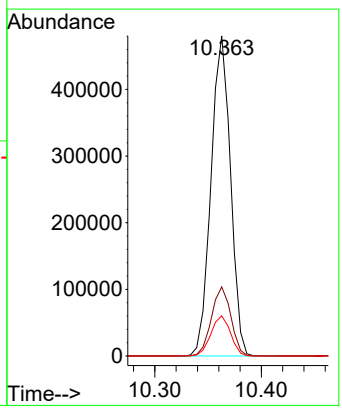


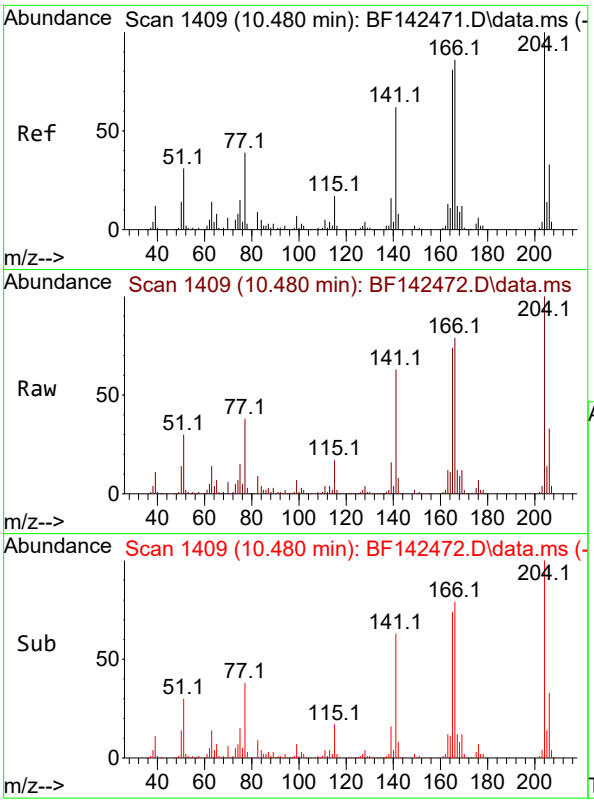


#60
Diethylphthalate
Concen: 52.089 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 608941

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.5	10.1	15.1



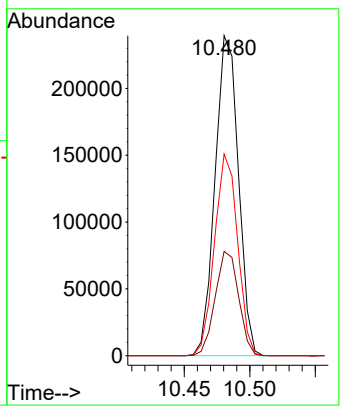


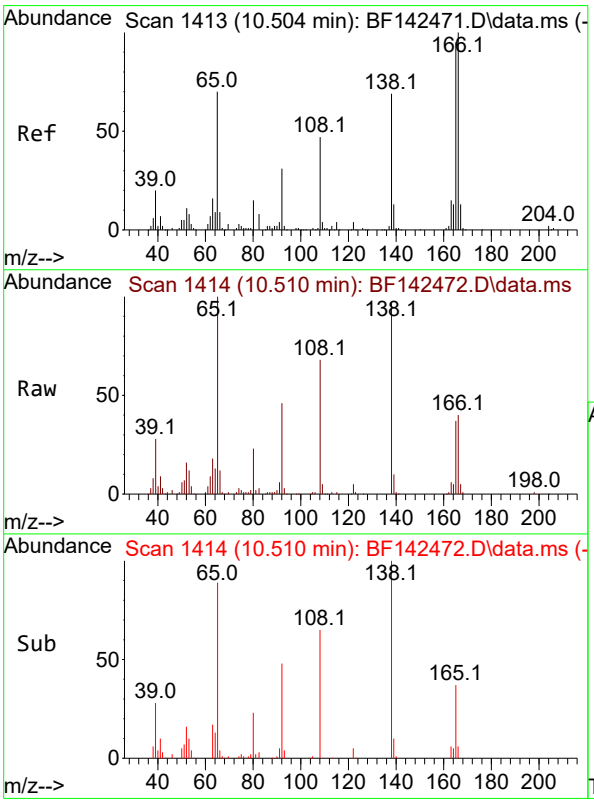
#61
4-Chlorophenyl-phenylether
Concen: 50.597 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 296264

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	63.0	49.5	74.3

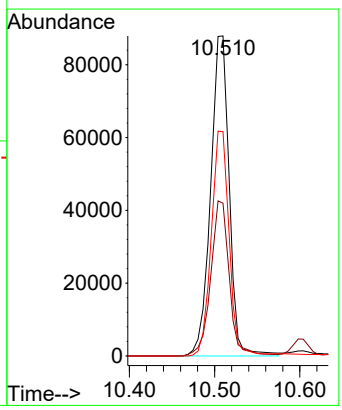


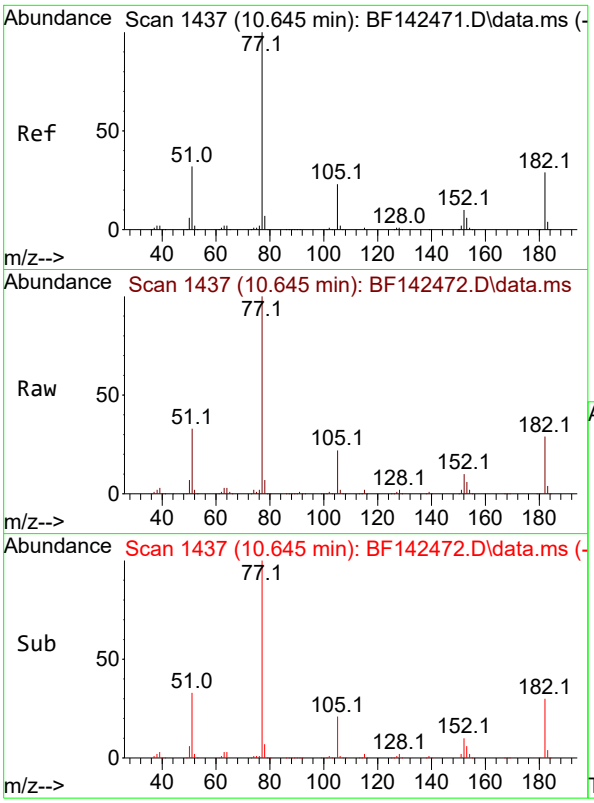


#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:138 Resp: 133141

Ion	Ratio	Lower	Upper
138	100		
92	47.7	26.0	66.0
108	70.1	48.4	88.4



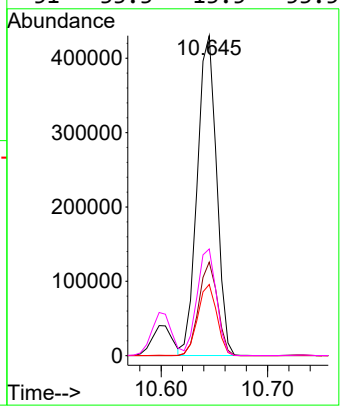


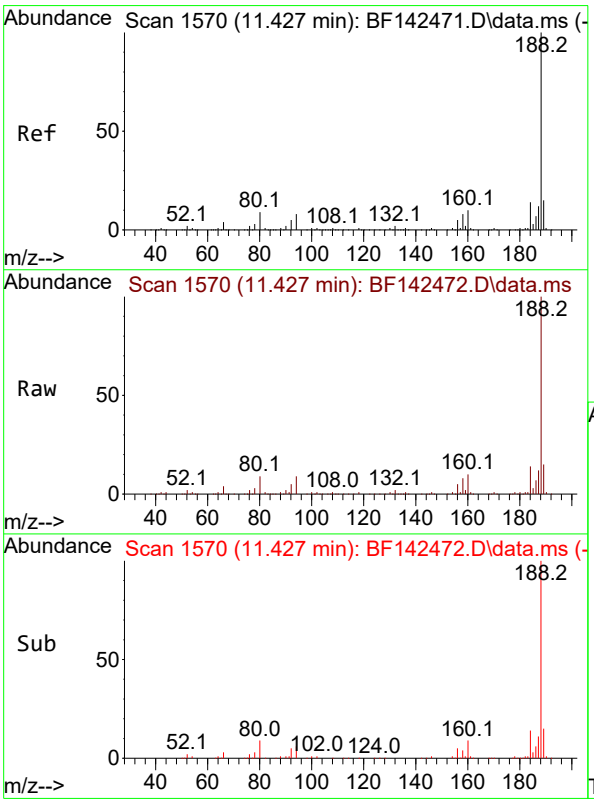
#63
Azobenzene
Concen: 51.703 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 542894

Ion	Ratio	Lower	Upper
77	100		
182	29.3	9.0	49.0
105	22.3	2.4	42.4
51	33.3	13.5	53.5

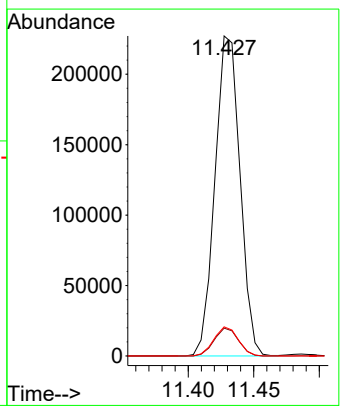


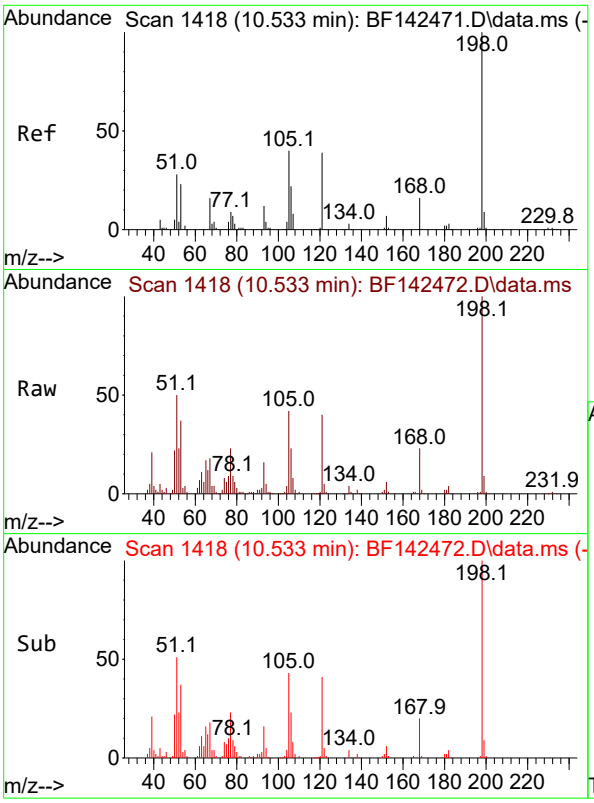


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:188 Resp: 301685

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.1	7.4	11.0



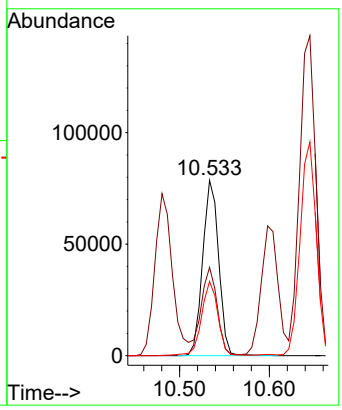


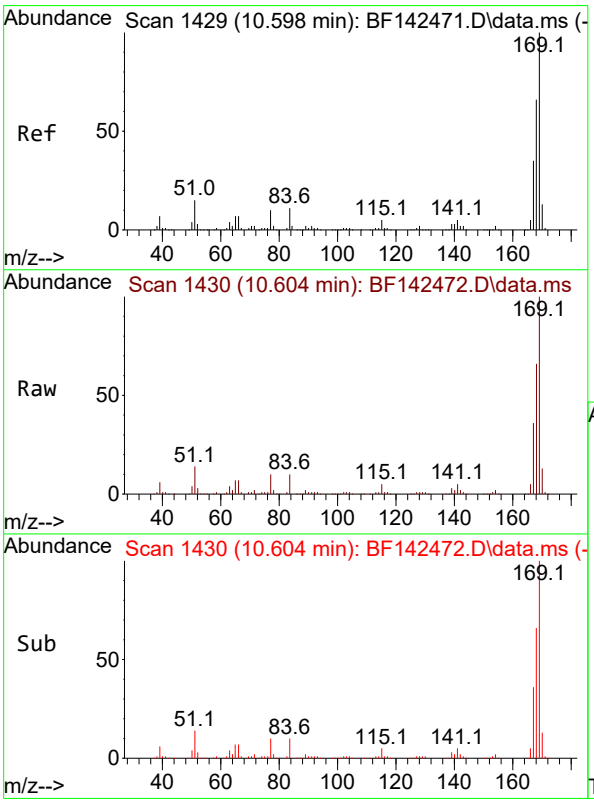
#65
4,6-Dinitro-2-methylphenol
Concen: 57.734 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 97203

Ion	Ratio	Lower	Upper
198	100		
51	50.4	28.3	68.3
105	42.4	21.3	61.3

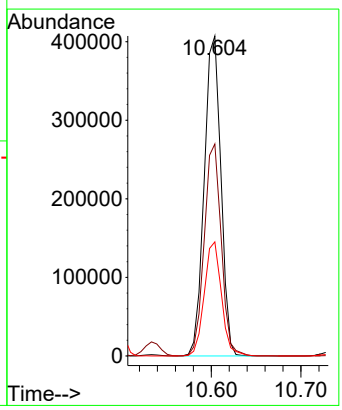


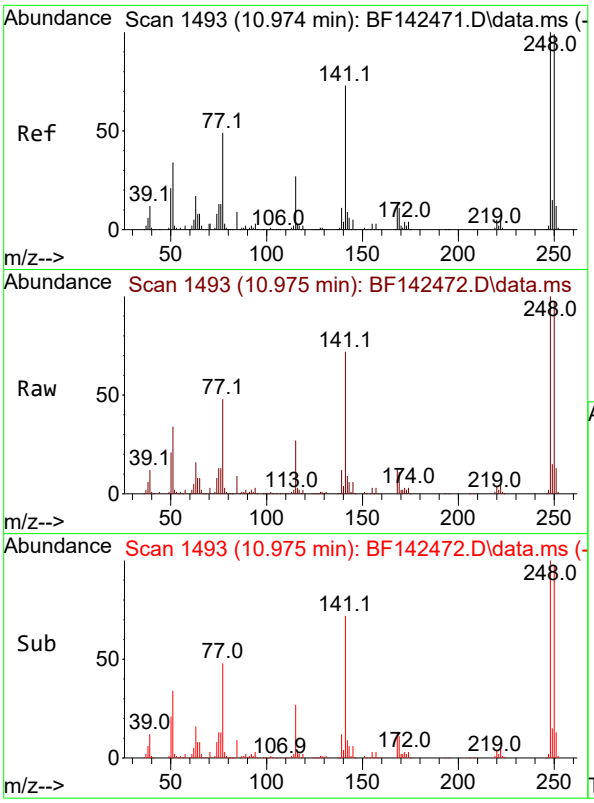


#66
n-Nitrosodiphenylamine
Concen: 50.960 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:169 Resp: 525974

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.7	28.3	42.5



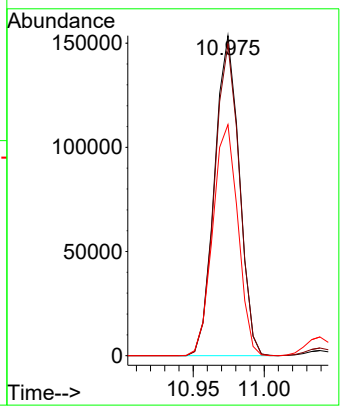


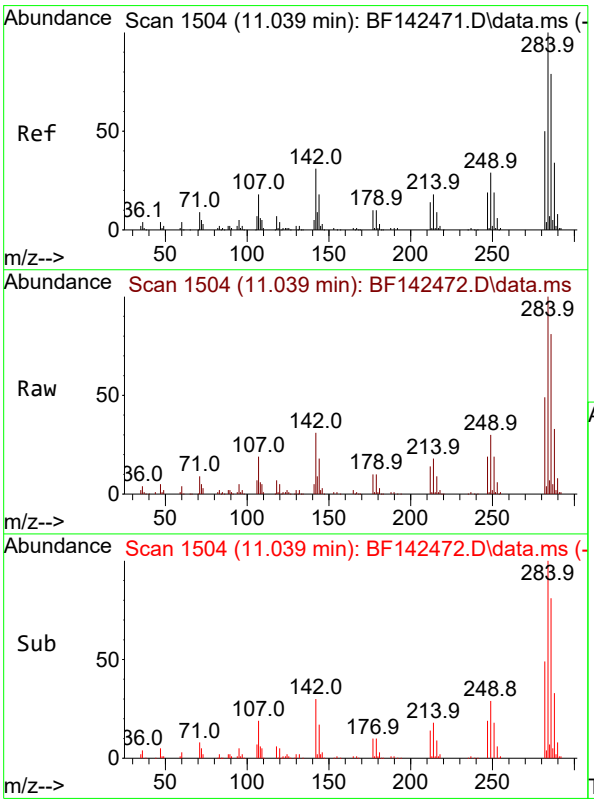
#67
4-Bromophenyl-phenylether
Concen: 52.061 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 185711

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	72.2	58.4	87.6

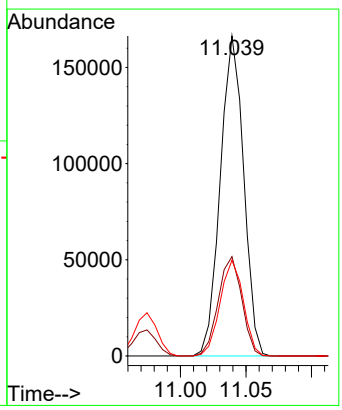


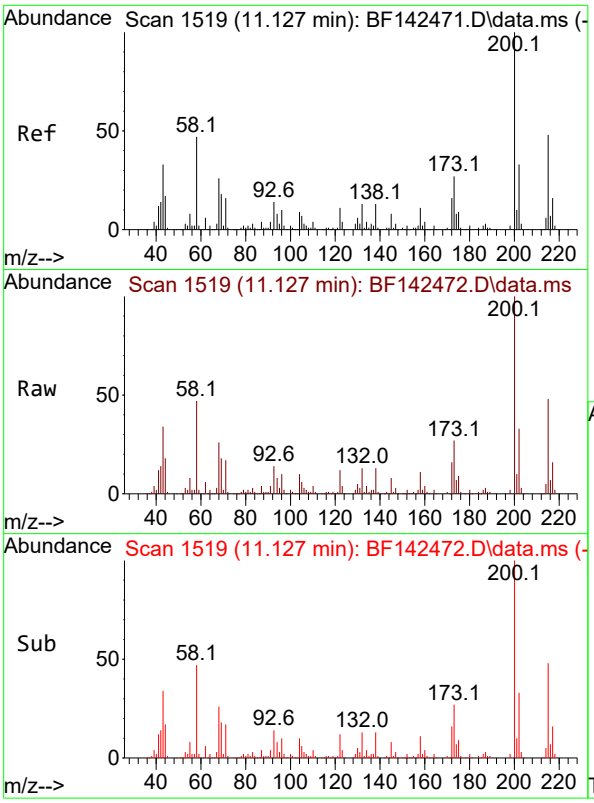


#68
Hexachlorobenzene
Concen: 52.151 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:284 Resp: 205759

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.8	37.2
249	29.9	23.6	35.4



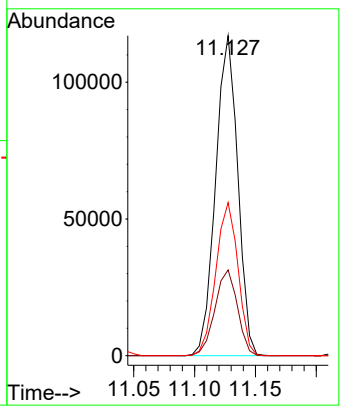


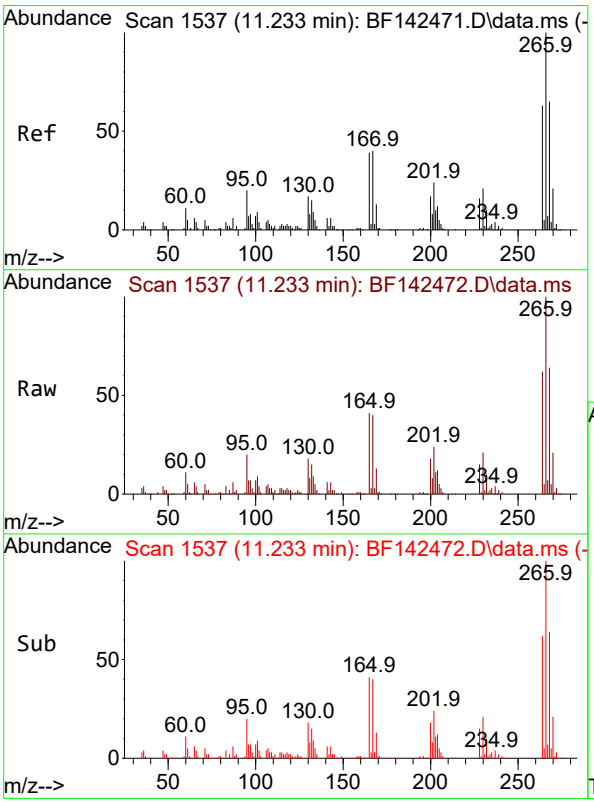
#69
Atrazine
Concen: 53.966 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 147922

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.4	47.4
215	47.9	28.5	68.5

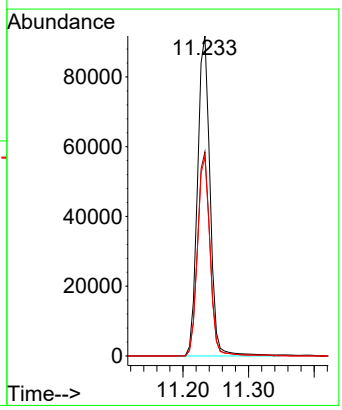


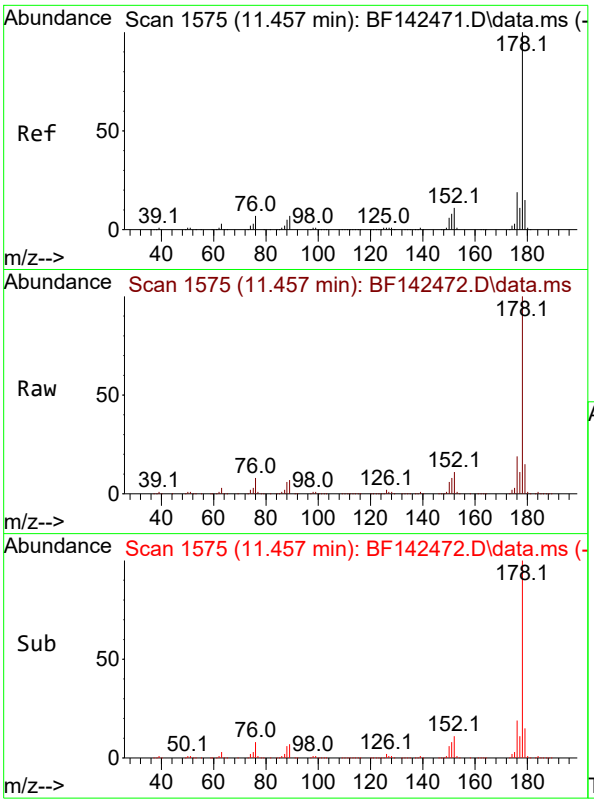


#70
Pentachlorophenol
Concen: 54.852 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:266 Resp: 122184

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.7	77.5
264	62.2	50.4	75.6



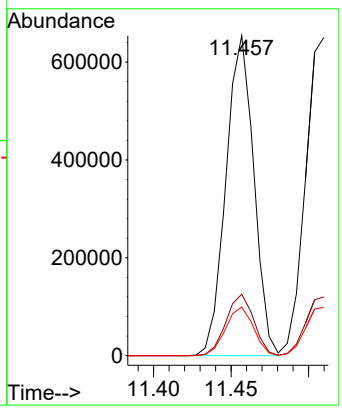


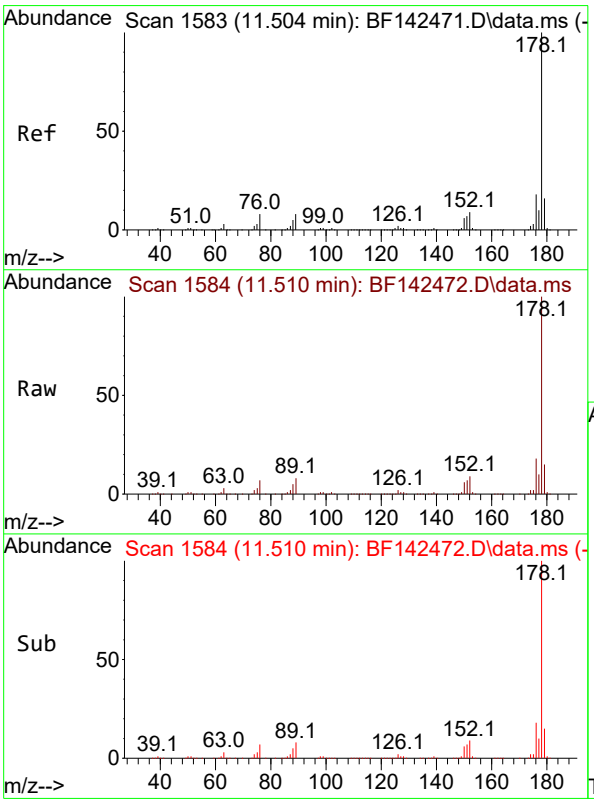
#71
Phenanthrene
Concen: 50.739 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 818043

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.3	18.5

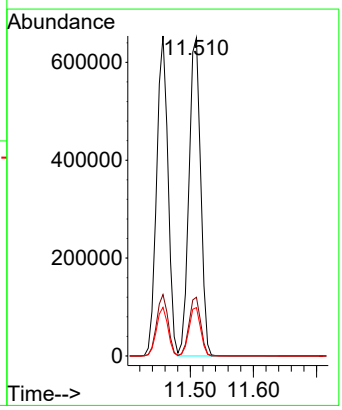


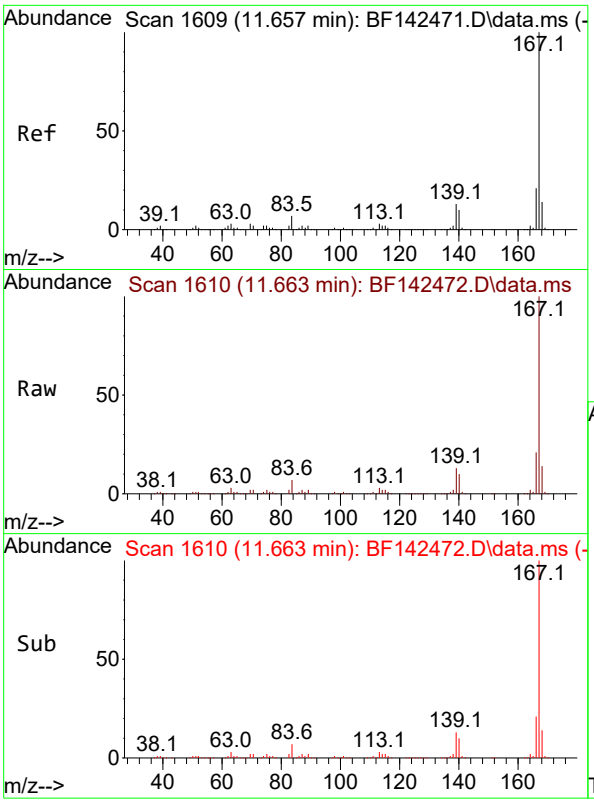


#72
Anthracene
Concen: 50.882 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:178 Resp: 837242

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.2	12.4	18.6



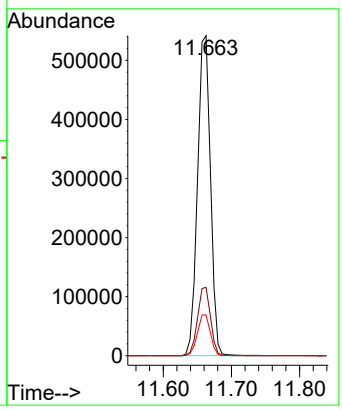


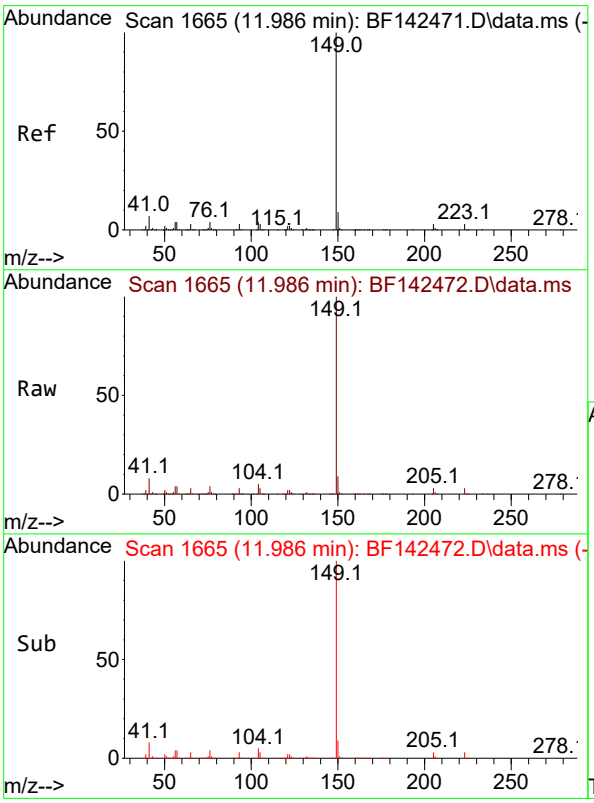
#73
Carbazole
Concen: 50.927 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 716381

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	12.7	10.2	15.4

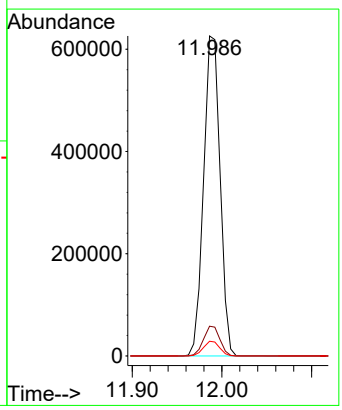


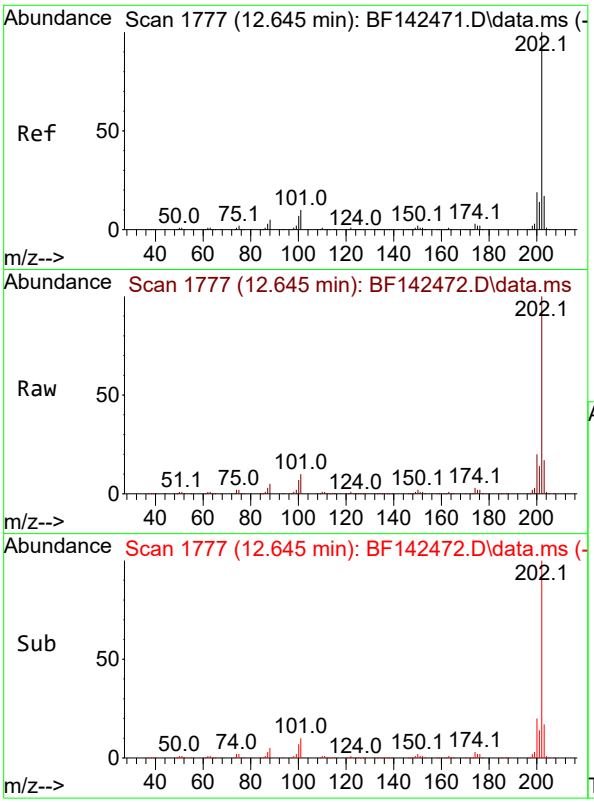


#74
Di-n-butylphthalate
Concen: 51.856 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 798451

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.6	3.6	5.4



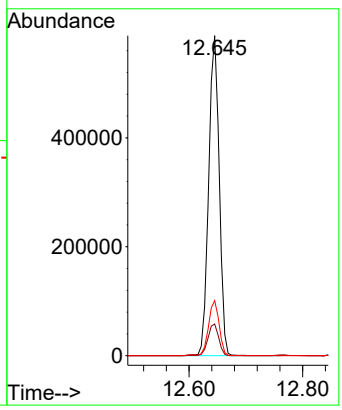


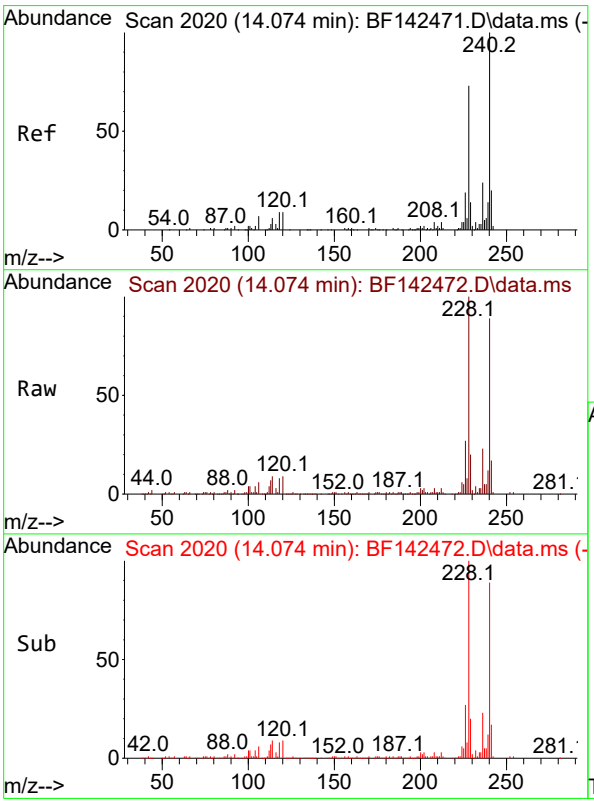
#75
Fluoranthene
Concen: 49.923 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 752083

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.2	0.0	37.2

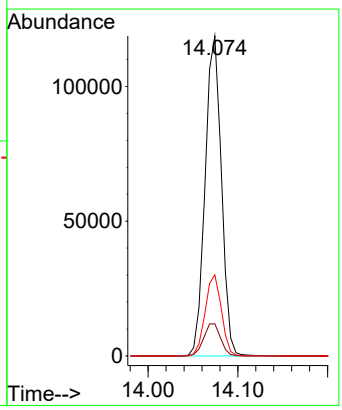


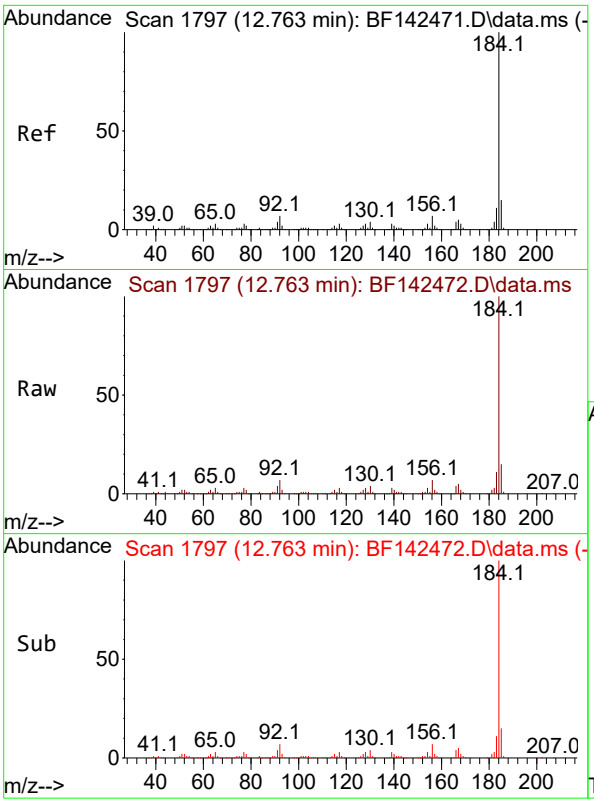


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:240 Resp: 149689

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	25.4	19.6	29.4



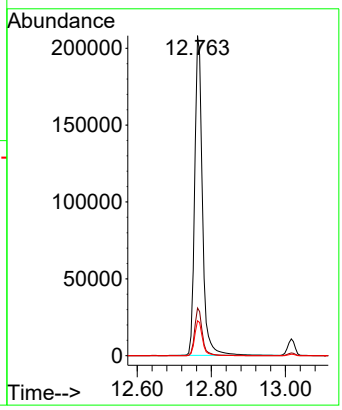


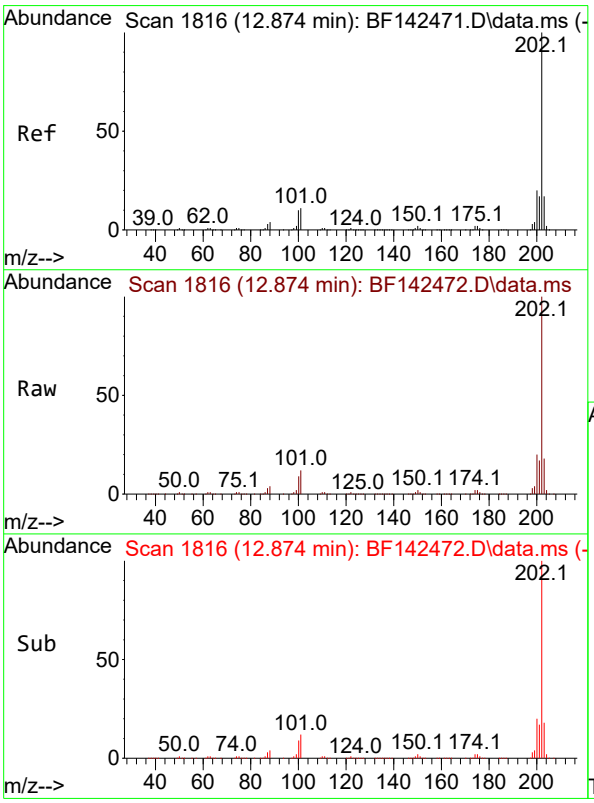
#77
Benzidine
Concen: 54.058 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 301122

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	10.9	9.0	13.4

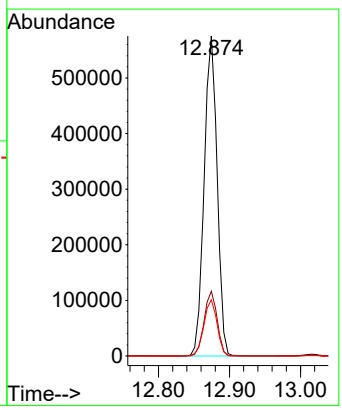


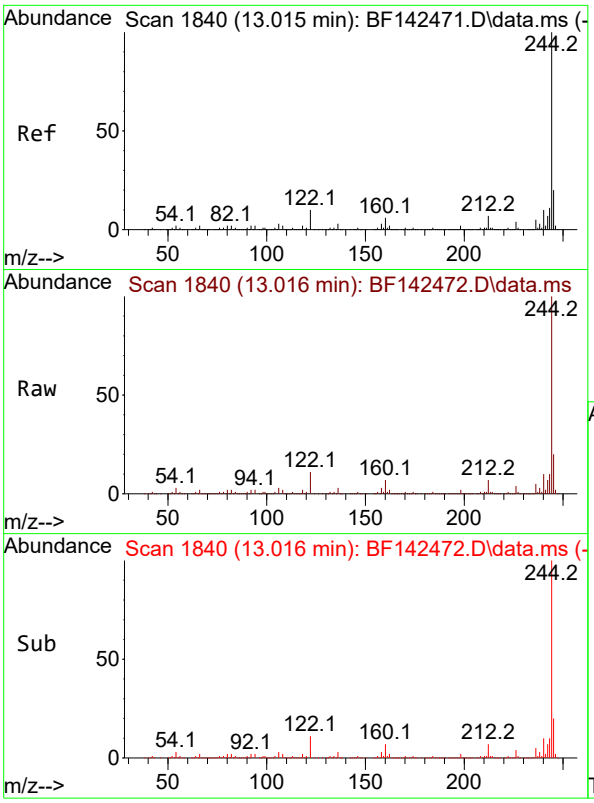


#78
Pyrene
Concen: 52.513 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:202 Resp: 733277

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.5	13.9	20.9



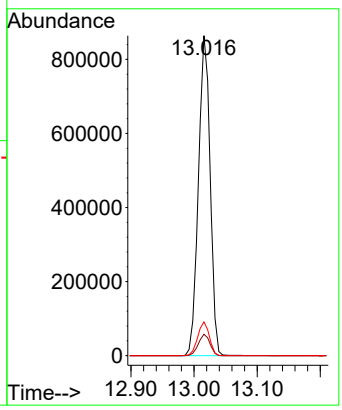


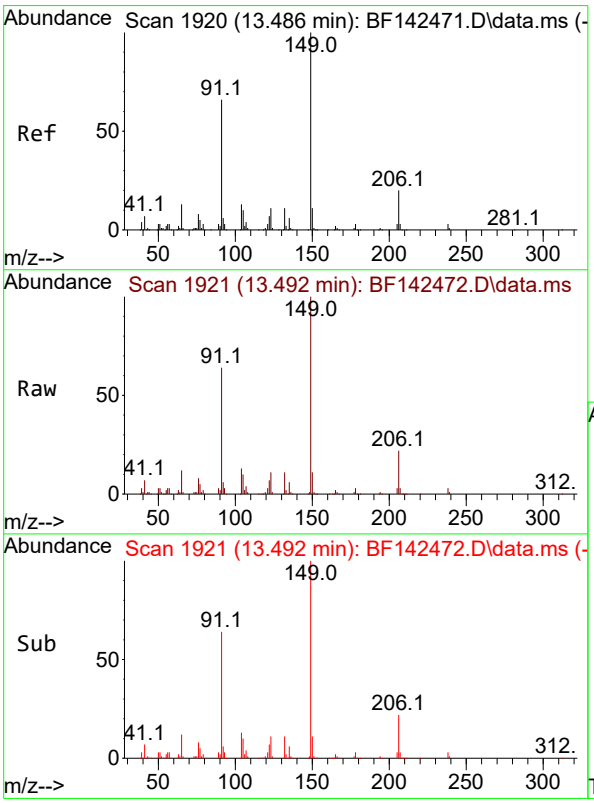
#79
Terphenyl-d14
Concen: 101.951 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1116751

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.5	8.2	12.2

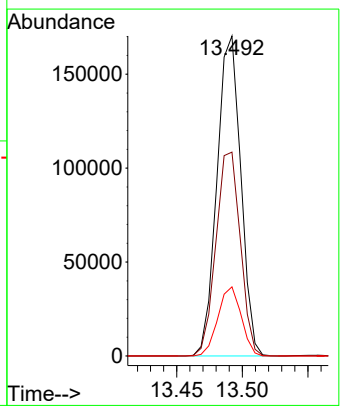


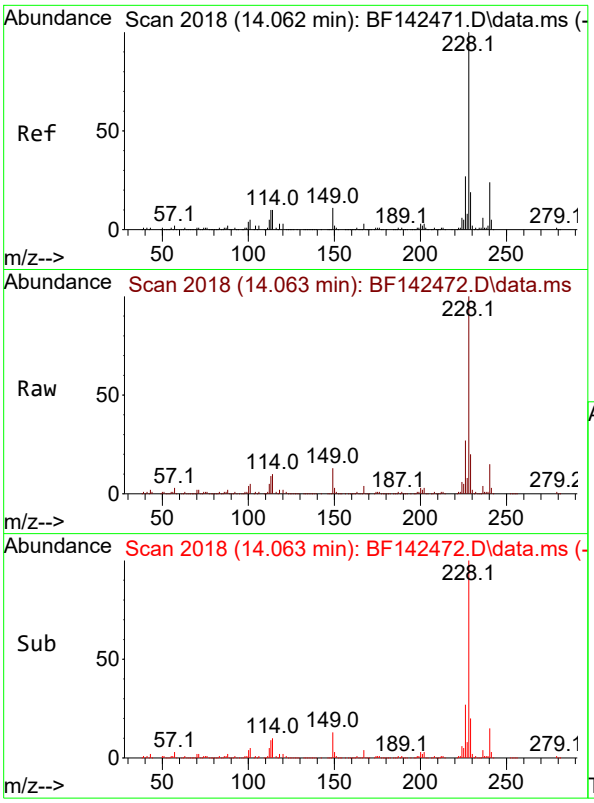


#80
Butylbenzylphthalate
Concen: 55.767 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 215174

Ion	Ratio	Lower	Upper
149	100		
91	63.7	52.9	79.3
206	21.6	16.2	24.2



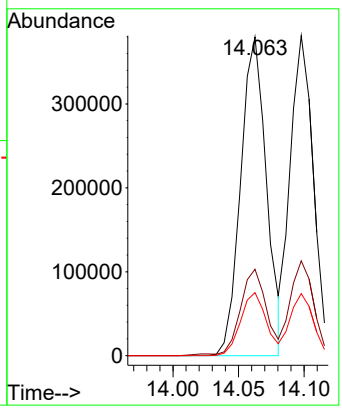


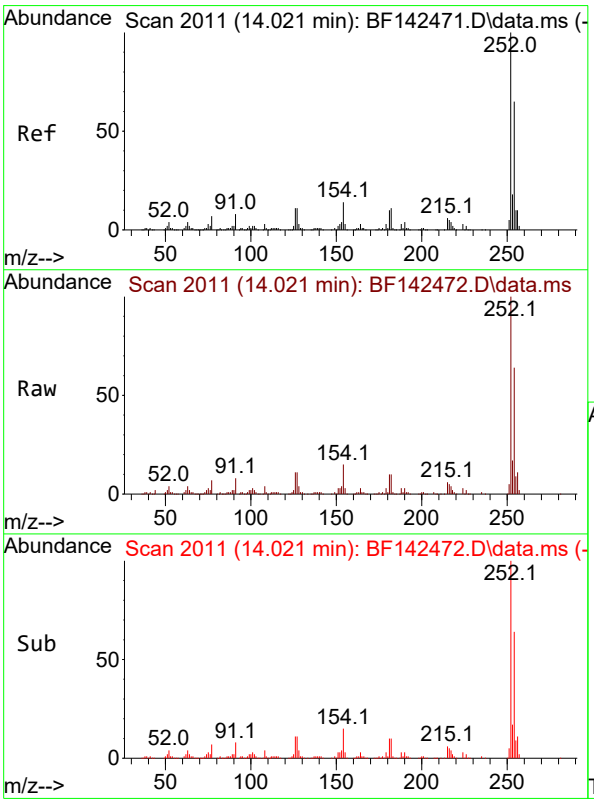
#81
Benzo(a)anthracene
Concen: 52.076 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 520525

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.2	31.8
229	19.8	15.5	23.3

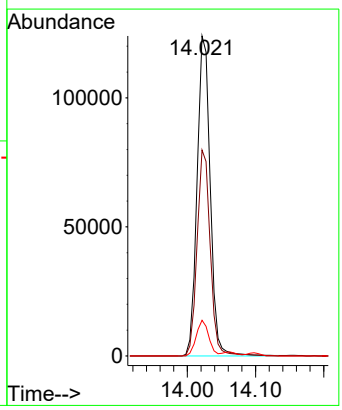


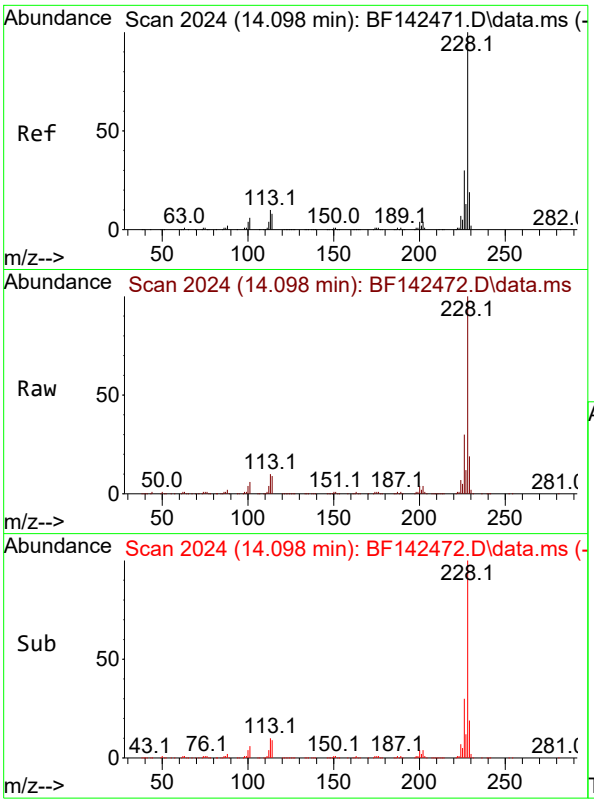


#82
3,3'-Dichlorobenzidine
Concen: 54.828 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 166223

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.0	78.0
126	11.2	8.9	13.3



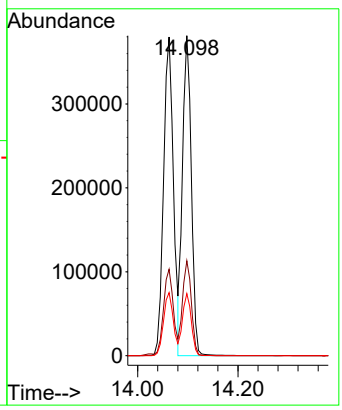


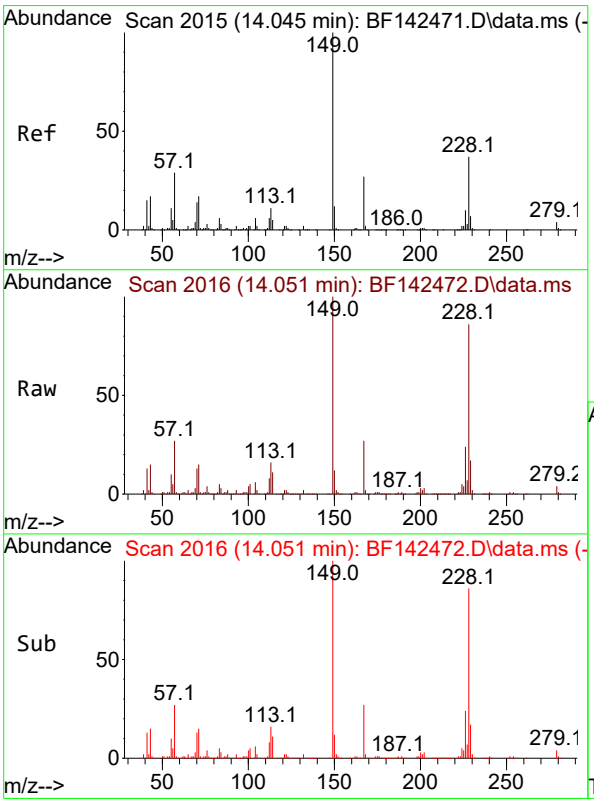
#83
Chrysene
Concen: 52.273 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 469491

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.4	15.4	23.2

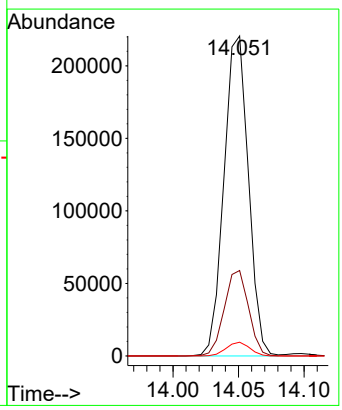


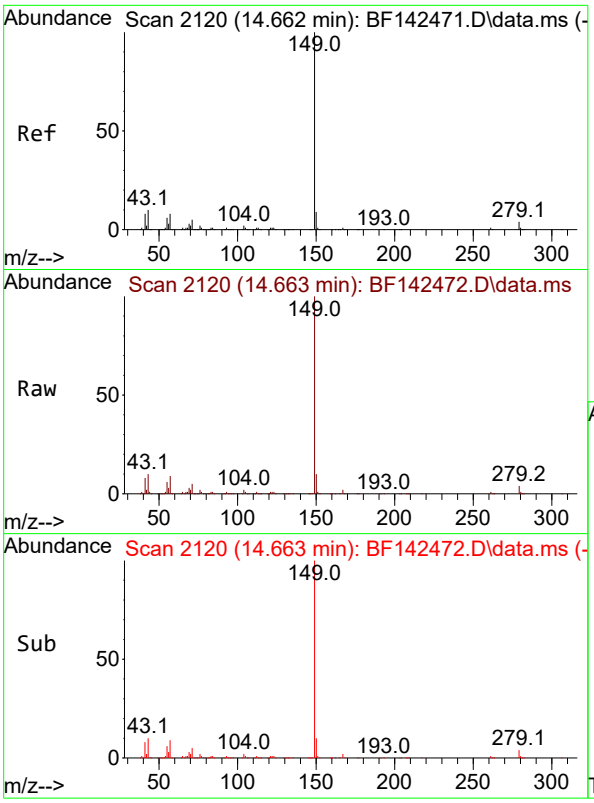


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.932 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:149 Resp: 286151

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.5	32.3
279	4.3	3.2	4.8



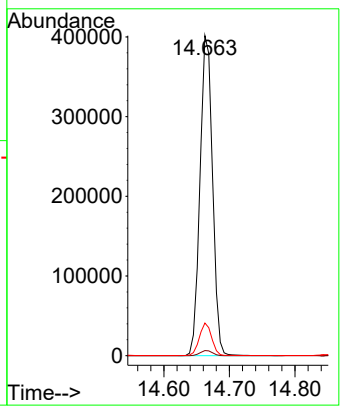


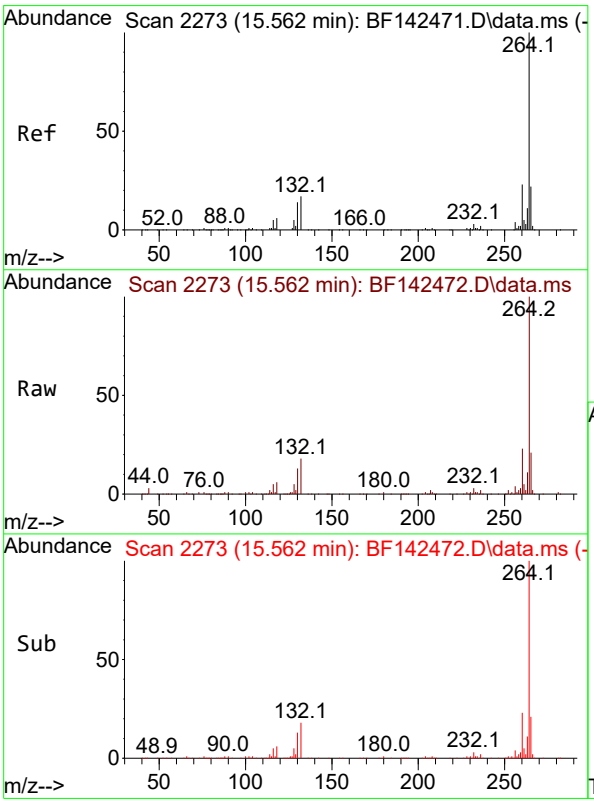
#85
Di-n-octyl phthalate
Concen: 55.482 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 535844

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.9	7.9	11.9

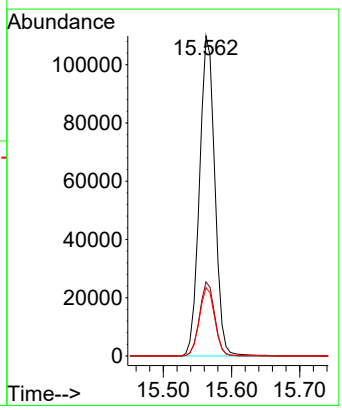


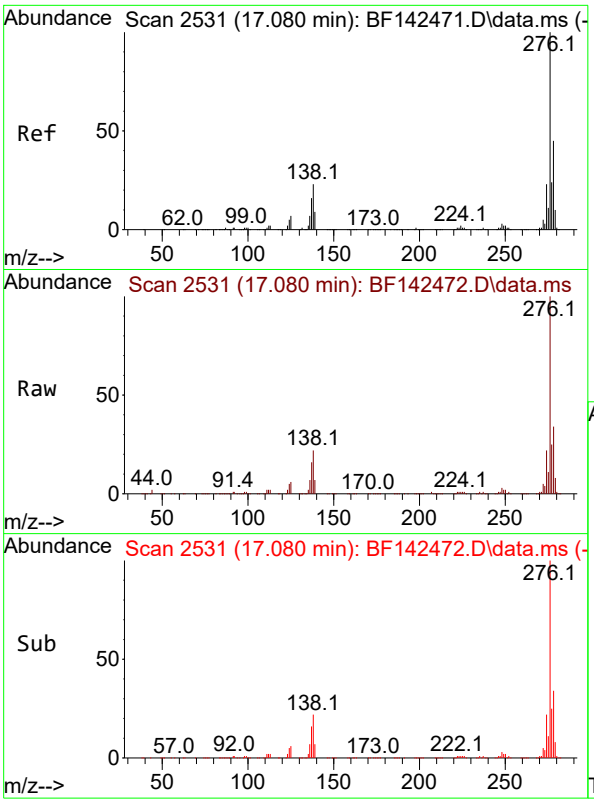


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:264 Resp: 171586

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.3	17.7	26.5



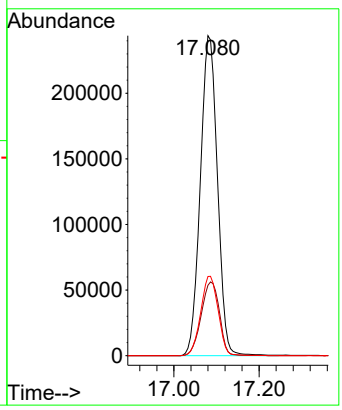


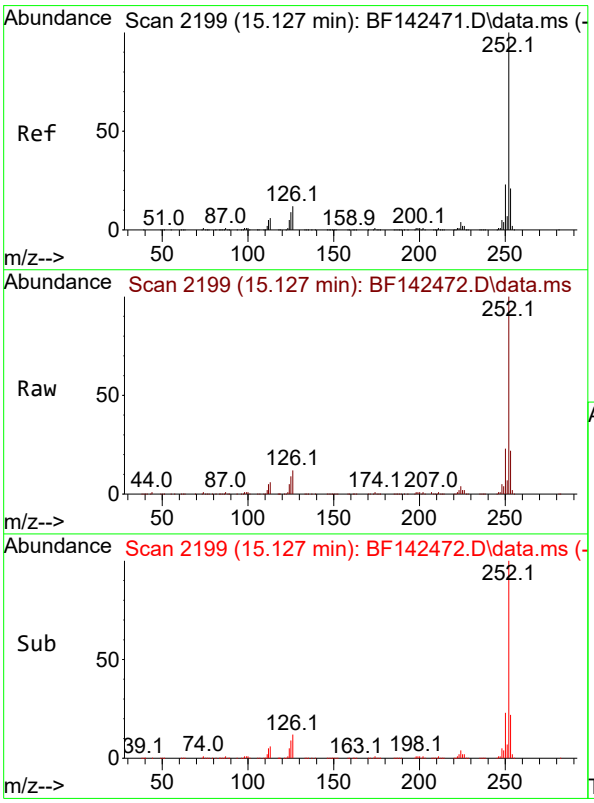
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.730 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 679247

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.9	29.9
277	25.3	20.2	30.2

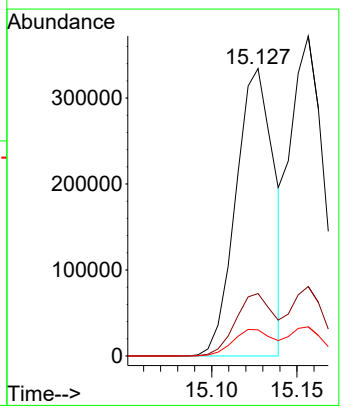


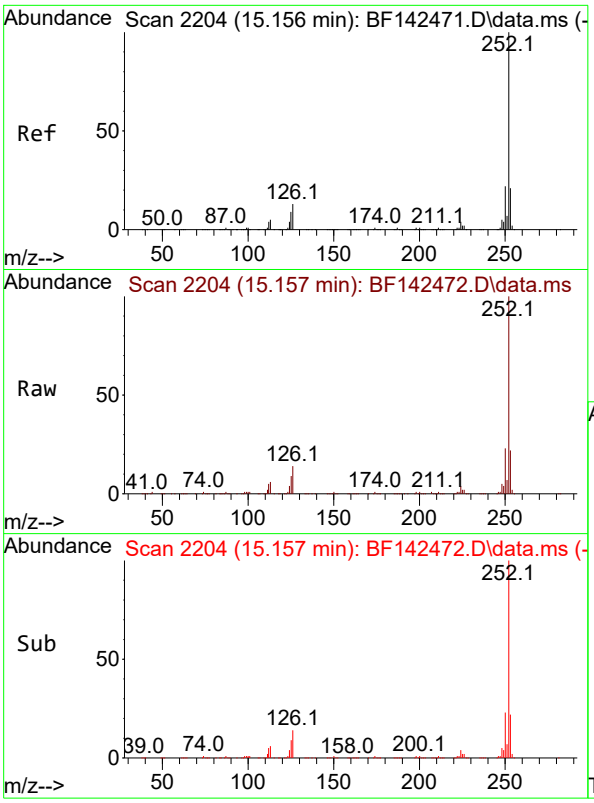


#88
Benzo(b)fluoranthene
Concen: 51.062 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 518544

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	9.1	7.4	11.0



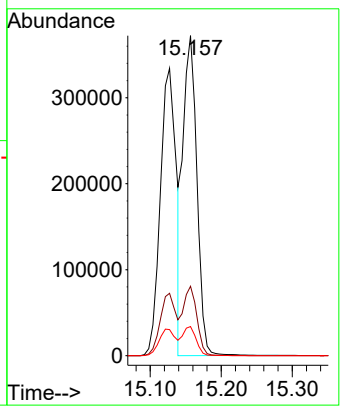


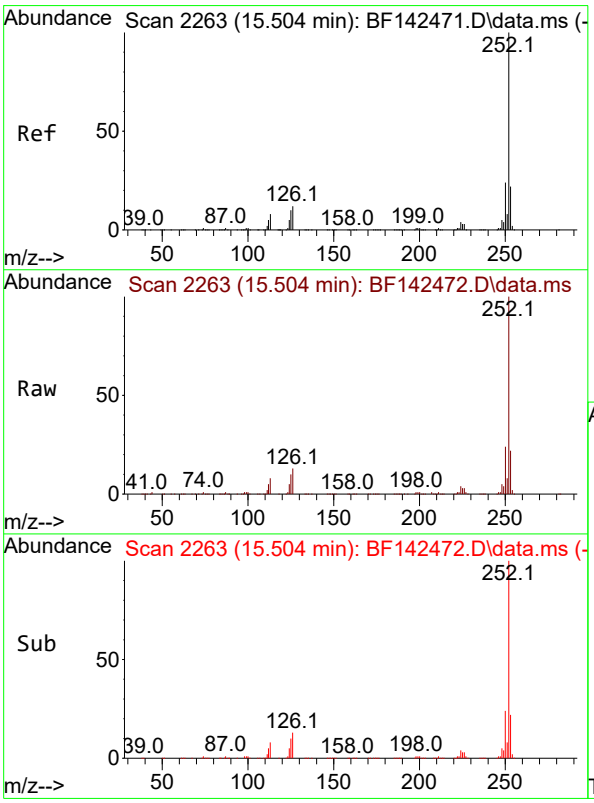
#89
Benzo(k)fluoranthene
Concen: 53.130 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 505348

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	9.1	7.3	10.9

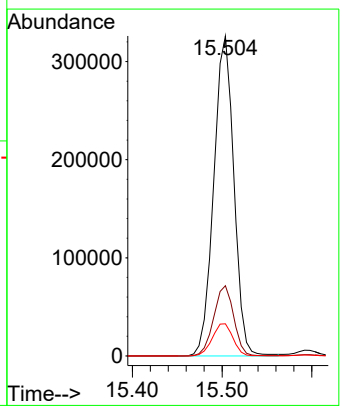


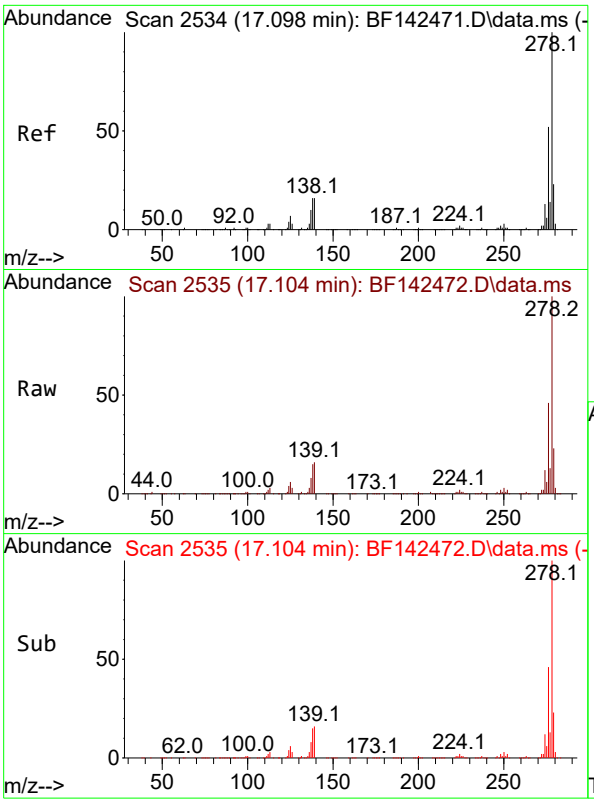


#90
Benzo(a)pyrene
Concen: 53.101 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:252 Resp: 508303

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.0	7.9	11.9



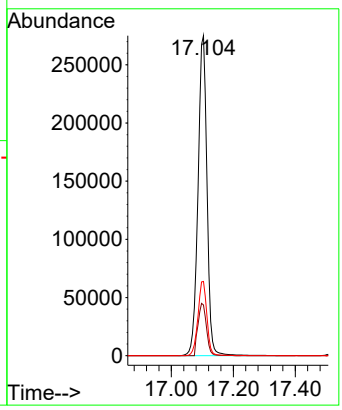


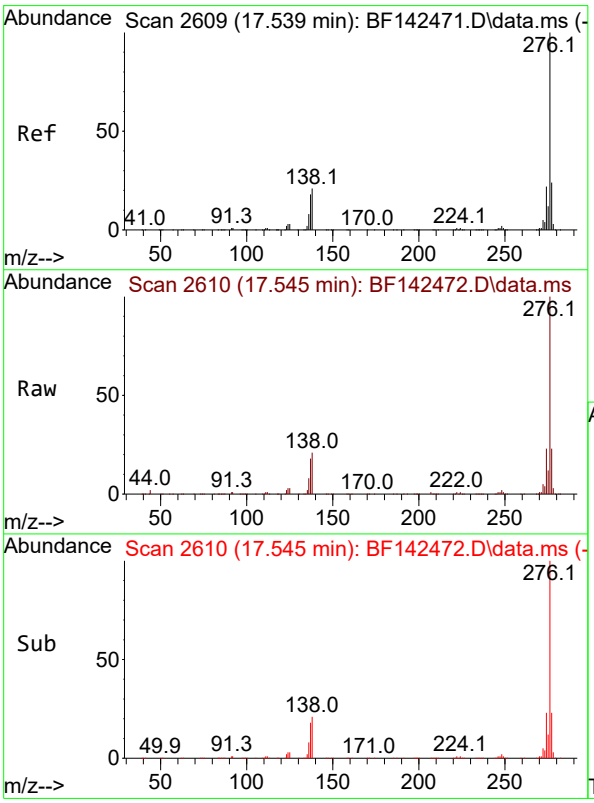
#91
Dibenzo(a,h)anthracene
Concen: 52.964 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 553351

Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.8	19.2
279	23.2	18.6	28.0

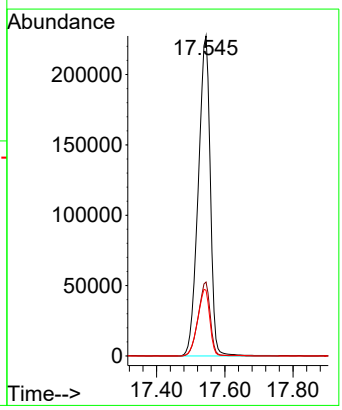




#92
Benzo(g,h,i)perylene
Concen: 53.328 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142472.D
Acq: 20 May 2025 14:34

Tgt Ion:276 Resp: 557271

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	20.5	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	91151	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	354160	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	187285	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	292190	20.000	ng		0.00
76) Chrysene-d12	14.074	240	143579	20.000	ng		0.00
86) Perylene-d12	15.563	264	183052	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	636815	117.703	ng		0.00
7) Phenol-d6	6.528	99	767355	117.823	ng		0.00
23) Nitrobenzene-d5	7.469	82	771758	118.825	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	244491	117.621	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1569136	112.426	ng		0.00
79) Terphenyl-d14	13.016	244	1151893	109.634	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	132790	61.335	ng		98
3) Pyridine	3.440	79	337570	61.229	ng		99
4) n-Nitrosodimethylamine	3.393	42	178276	62.278	ng		100
6) Aniline	6.563	93	522409	59.656	ng		99
8) 2-Chlorophenol	6.687	128	351459	59.640	ng		99
9) Benzaldehyde	6.451	77	207213	52.898	ng		99
10) Phenol	6.545	94	436789	59.604	ng		95
11) bis(2-Chloroethyl)ether	6.640	93	316232	59.948	ng		100
12) 1,3-Dichlorobenzene	6.845	146	384777	58.514	ng		99
13) 1,4-Dichlorobenzene	6.922	146	390981	59.027	ng		99
14) 1,2-Dichlorobenzene	7.075	146	370996	58.534	ng		99
15) Benzyl Alcohol	7.040	79	293457	60.973	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	519064	58.593	ng		99
17) 2-Methylphenol	7.151	107	277466	60.306	ng		99
18) Hexachloroethane	7.416	117	135953	58.780	ng		99
19) n-Nitroso-di-n-propyla...	7.322	70	236814	58.671	ng		98
20) 3+4-Methylphenols	7.304	107	341788	58.010	ng	#	87
22) Acetophenone	7.316	105	454226	57.937	ng		99
24) Nitrobenzene	7.487	77	351378	59.984	ng		98
25) Isophorone	7.728	82	644818	59.381	ng		99
26) 2-Nitrophenol	7.798	139	193662	61.872	ng		98
27) 2,4-Dimethylphenol	7.834	122	331159	59.994	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	398177	58.699	ng		99
29) 2,4-Dichlorophenol	8.045	162	300754	59.913	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	318487	58.460	ng		99
31) Naphthalene	8.210	128	1012926	58.085	ng		99
32) Benzoic acid	7.957	122	221962	66.059	ng		99
33) 4-Chloroaniline	8.257	127	421281	59.619	ng		99
34) Hexachlorobutadiene	8.328	225	203527	59.831	ng		99
35) Caprolactam	8.634	113	82688	58.650	ng		100
36) 4-Chloro-3-methylphenol	8.734	107	305341	59.352	ng		99
37) 2-Methylnaphthalene	8.898	142	635148	57.893	ng		100
38) 1-Methylnaphthalene	8.998	142	649652	57.247	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	321732	59.844	ng		99
41) Hexachlorocyclopentadiene	9.051	237	238708	65.820	ng		99
43) 2,4,6-Trichlorophenol	9.175	196	217868	60.098	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	229079	59.916	ng	99
46) 1,1'-Biphenyl	9.363	154	846783	58.279	ng	99
47) 2-Chloronaphthalene	9.392	162	630647	58.746	ng	99
48) 2-Nitroaniline	9.481	65	186466	60.093	ng	98
49) Acenaphthylene	9.804	152	1058826	58.411	ng	100
50) Dimethylphthalate	9.669	163	705857	57.119	ng	100
51) 2,6-Dinitrotoluene	9.728	165	157884	59.195	ng	99
52) Acenaphthene	9.981	154	643773	58.160	ng	99
53) 3-Nitroaniline	9.898	138	171137	58.746	ng	99
54) 2,4-Dinitrophenol	9.998	184	89741	65.126	ng	88
55) Dibenzofuran	10.151	168	918703	57.677	ng	100
56) 4-Nitrophenol	10.045	139	128501	59.782	ng	96
57) 2,4-Dinitrotoluene	10.128	165	209035	60.012	ng	100
58) Fluorene	10.492	166	695462	56.516	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	187067	58.609	ng	98
60) Diethylphthalate	10.363	149	684259	56.695	ng	100
61) 4-Chlorophenyl-phenyle...	10.481	204	343838	56.880	ng	98
62) 4-Nitroaniline	10.510	138	148755	56.302	ng	99
63) Azobenzene	10.645	77	631137	58.221	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	109172	66.950	ng	98
66) n-Nitrosodiphenylamine	10.604	169	608394	60.861	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	212638	61.546	ng	99
68) Hexachlorobenzene	11.039	284	229917	60.168	ng	98
69) Atrazine	11.128	200	158234	59.604	ng	100
70) Pentachlorophenol	11.233	266	137347	63.663	ng	99
71) Phenanthrene	11.457	178	905073	57.961	ng	100
72) Anthracene	11.510	178	918369	57.627	ng	99
73) Carbazole	11.663	167	769151	56.455	ng	100
74) Di-n-butylphthalate	11.986	149	853524	57.234	ng	100
75) Fluoranthene	12.645	202	789533	54.112	ng	99
77) Benzidine	12.763	184	300547	56.251	ng	100
78) Pyrene	12.874	202	763672	57.017	ng	100
80) Butylbenzylphthalate	13.492	149	236758	63.972	ng	97
81) Benzo(a)anthracene	14.063	228	571607	59.620	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	190415	65.480	ng	100
83) Chrysene	14.098	228	526831	61.153	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	334950	70.698	ng	98
85) Di-n-octyl phthalate	14.663	149	664220	71.701	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	848752	61.761	ng	100
88) Benzo(b)fluoranthene	15.127	252	616210	56.878	ng	99
89) Benzo(k)fluoranthene	15.157	252	619660	61.068	ng	98
90) Benzo(a)pyrene	15.504	252	622347	60.943	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	683473	61.321	ng	99
92) Benzo(g,h,i)perylene	17.545	276	683528	61.313	ng	99

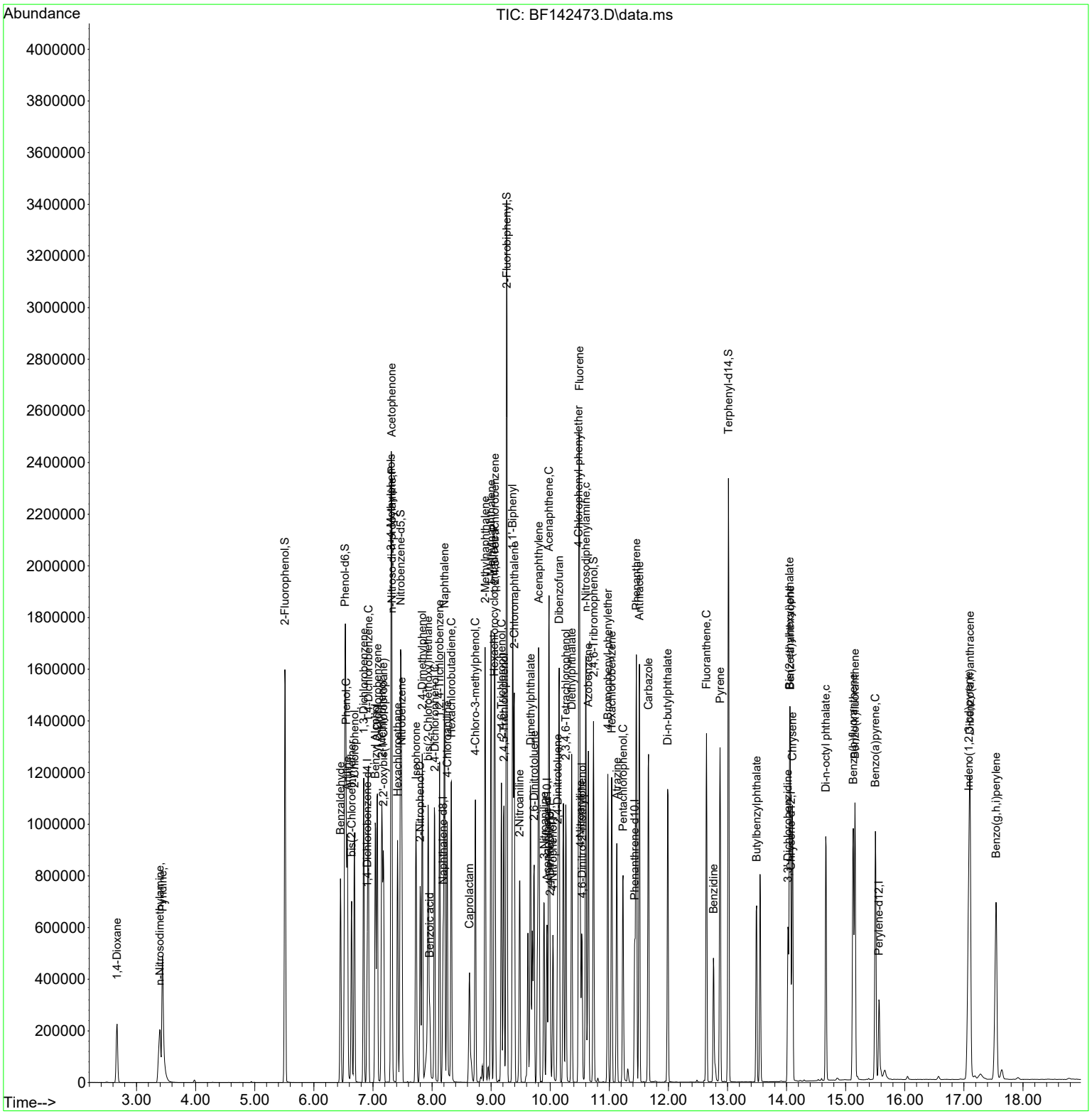
(#) = qualifier out of range (m) = manual integration (+) = signals summed

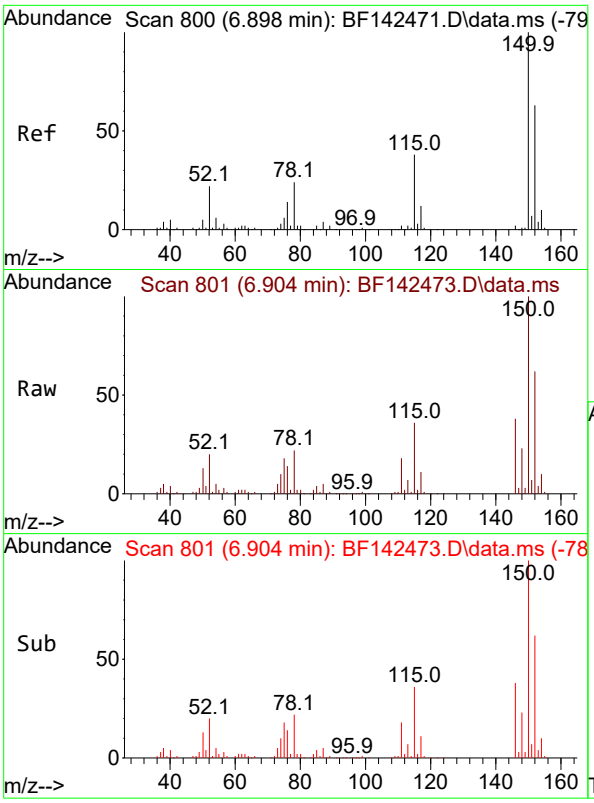
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142473.D
Acq On : 20 May 2025 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 20 16:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



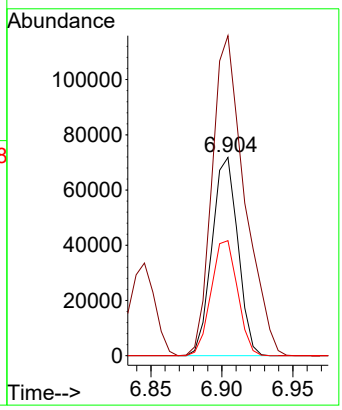


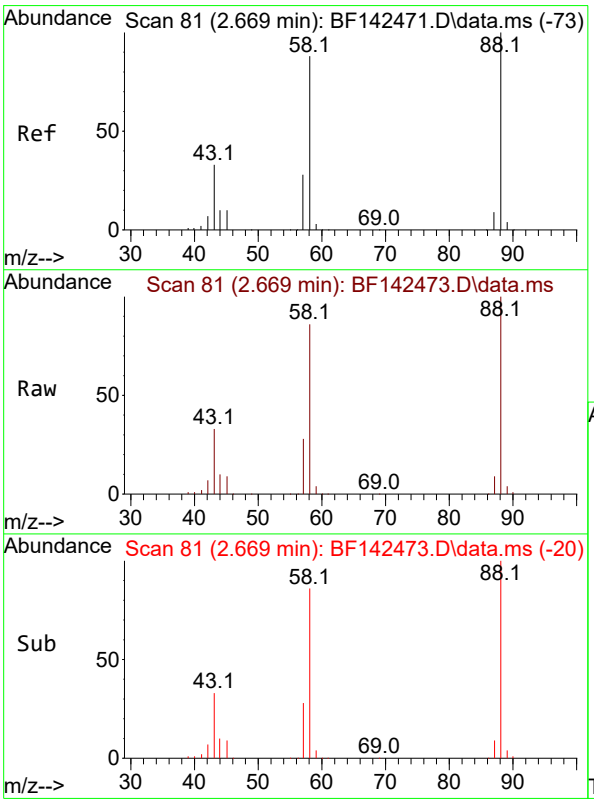
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 91151

Ion	Ratio	Lower	Upper
152	100		
150	161.4	128.2	192.4
115	58.0	48.3	72.5

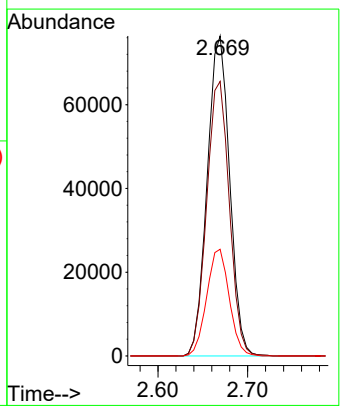


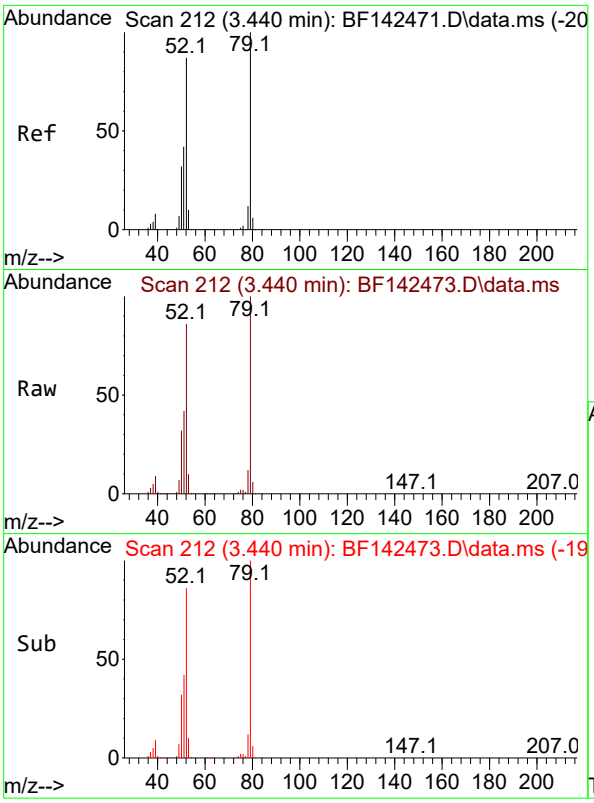


#2
1,4-Dioxane
Concen: 61.335 ng
RT: 2.669 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 88 Resp: 132790

Ion	Ratio	Lower	Upper
88	100		
58	86.7	70.8	106.2
43	33.5	26.6	40.0



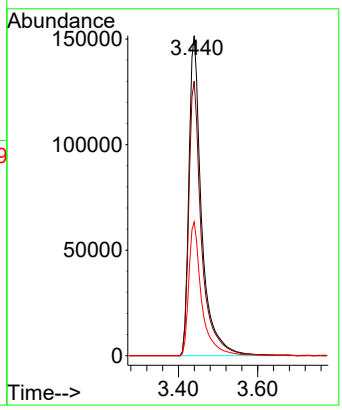


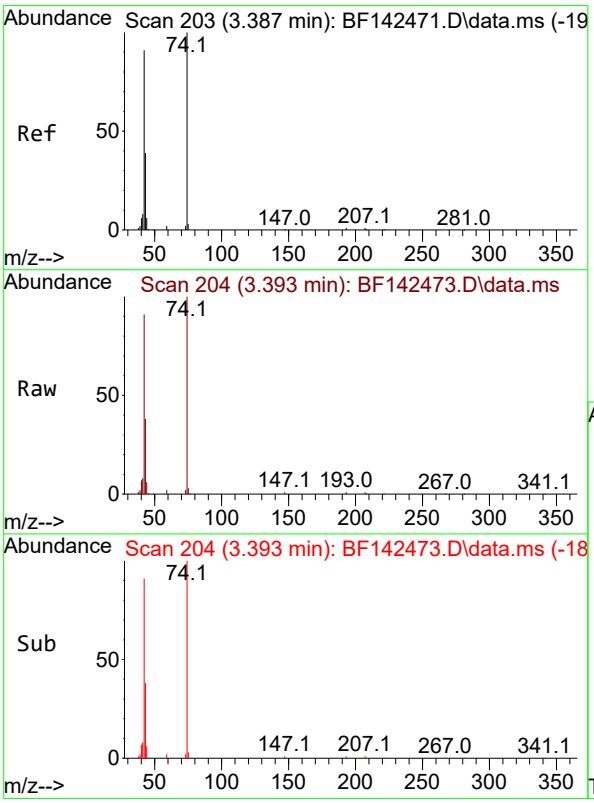
#3
Pyridine
Concen: 61.229 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 337570

Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.2	103.8
51	41.8	33.3	49.9

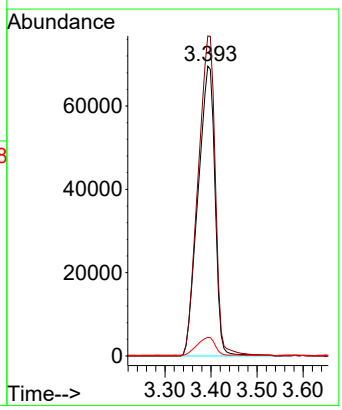


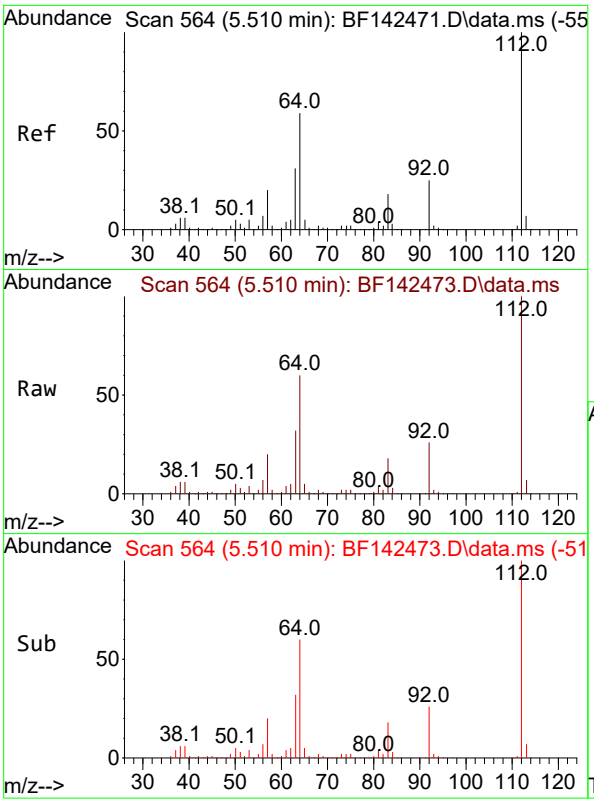


#4
n-Nitrosodimethylamine
Concen: 62.278 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 42 Resp: 178276

Ion	Ratio	Lower	Upper
42	100		
74	110.4	88.2	132.4
44	6.4	5.4	8.2



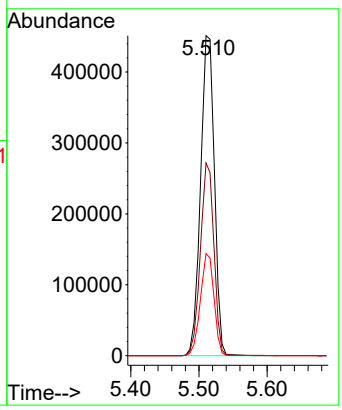


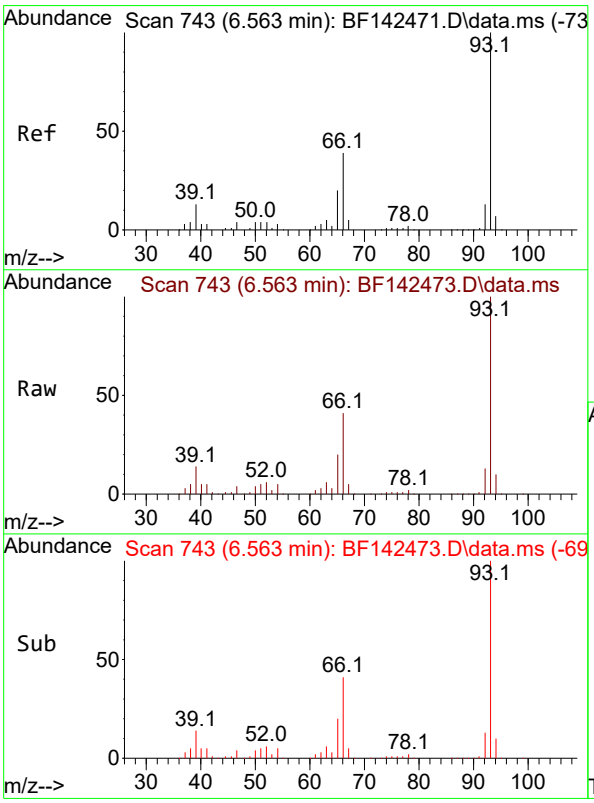
#5
2-Fluorophenol
Concen: 117.703 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 636815

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.5	71.3
63	31.9	24.9	37.3

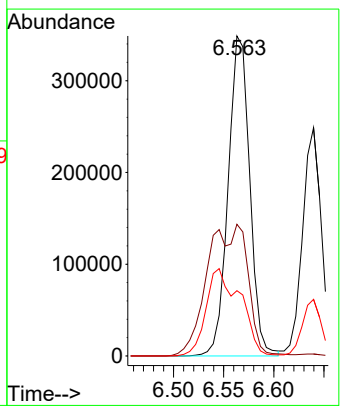


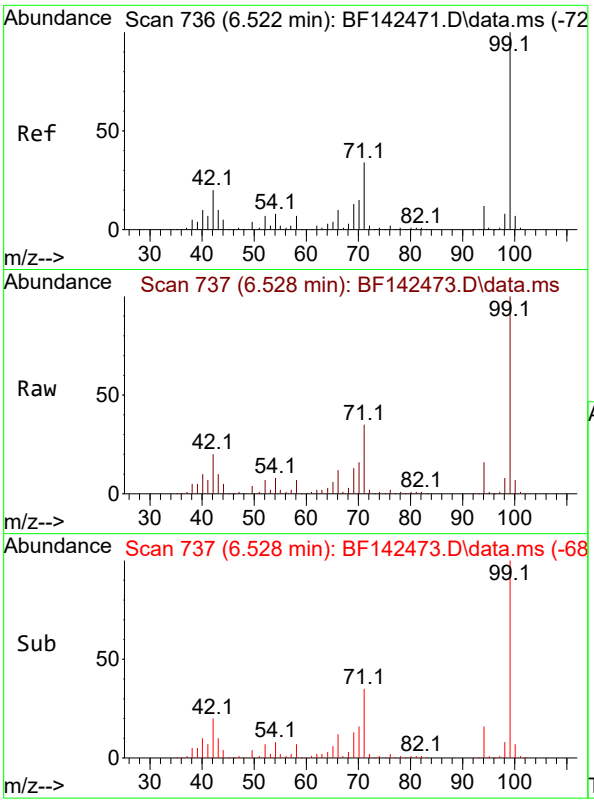


#6
Aniline
Concen: 59.656 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 93 Resp: 522409

Ion	Ratio	Lower	Upper
93	100		
66	41.2	32.0	48.0
65	20.4	16.1	24.1



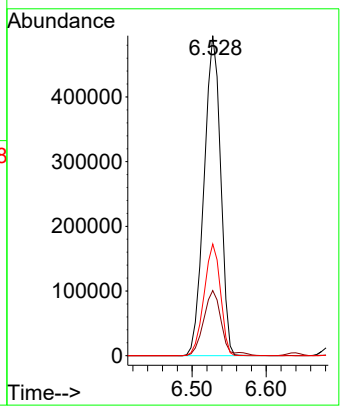


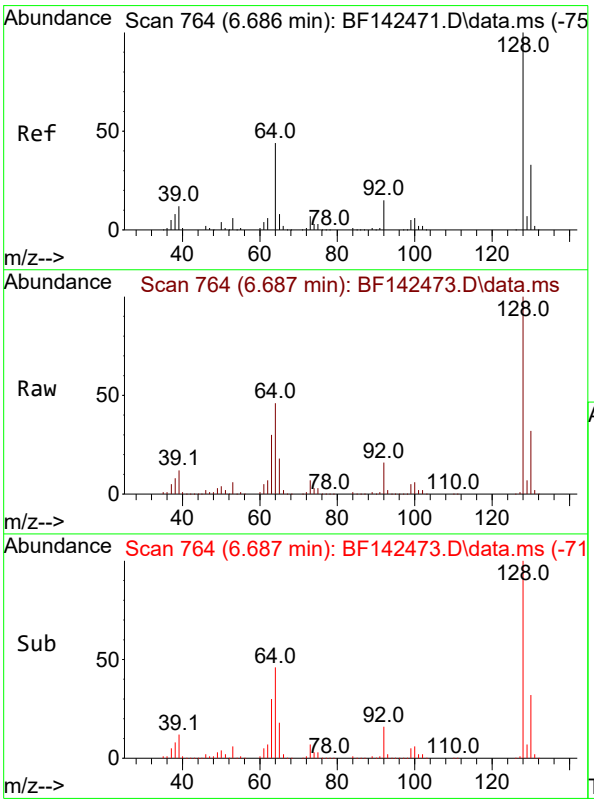
#7
Phenol-d6
Concen: 117.823 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 767355

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.2	24.2
71	34.9	27.3	40.9

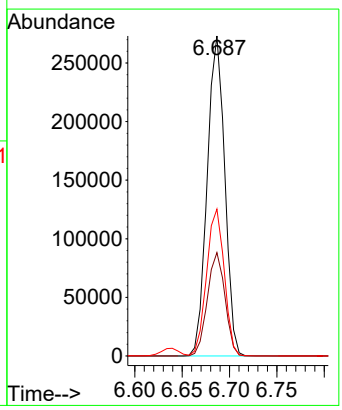


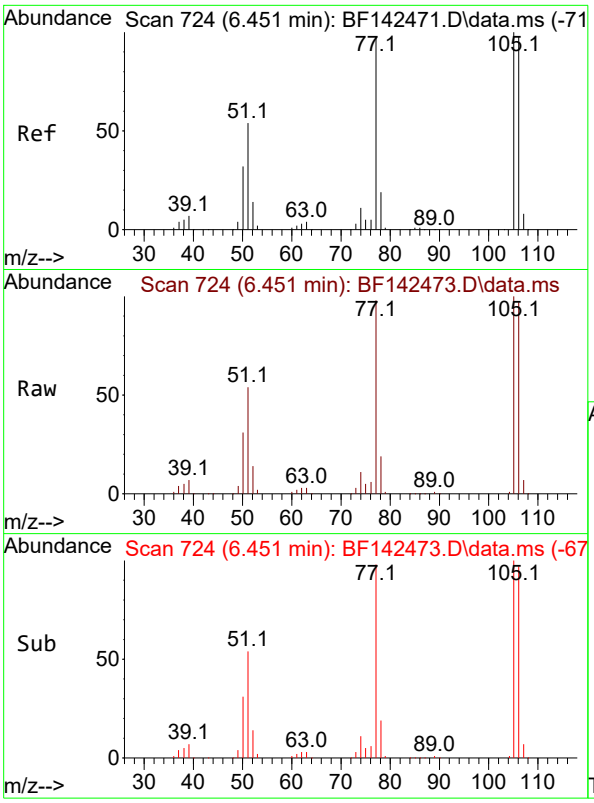


#8
2-Chlorophenol
Concen: 59.640 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:128 Resp: 351459

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	45.9	25.1	65.1



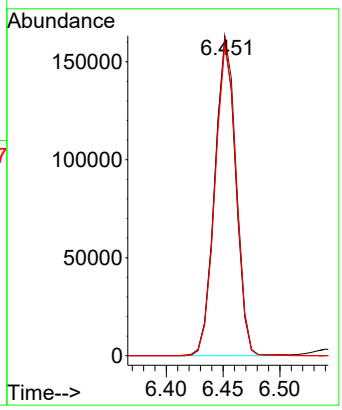


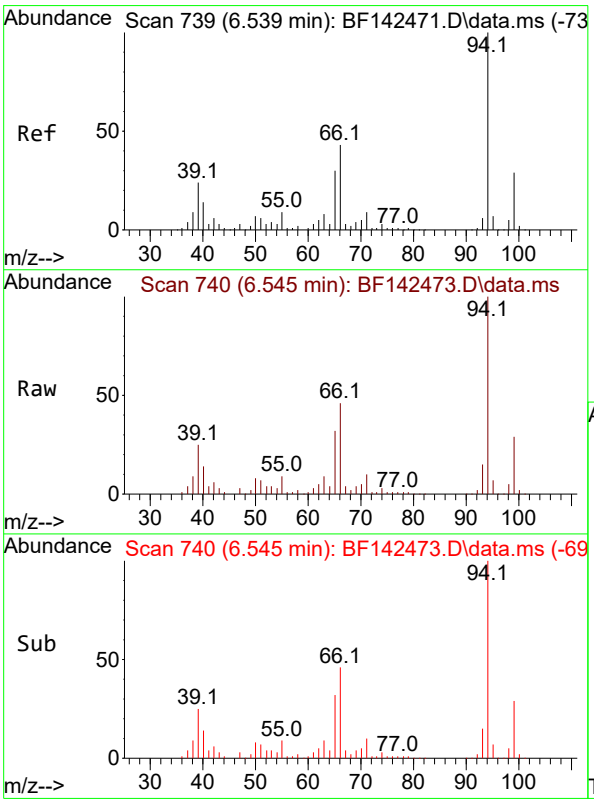
#9
Benzaldehyde
Concen: 52.898 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 207213

Ion	Ratio	Lower	Upper
77	100		
105	101.7	82.5	122.5
106	98.3	80.0	120.0

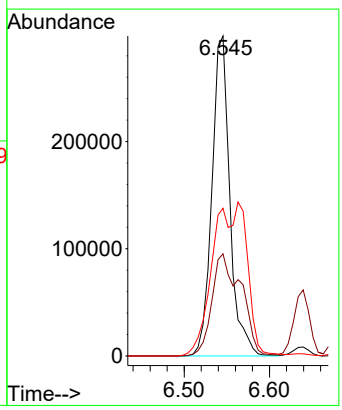


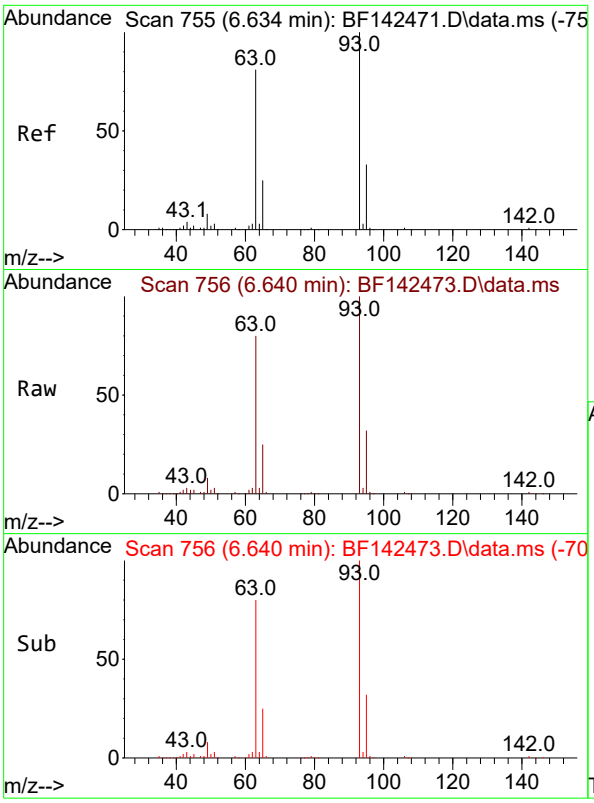


#10
Phenol
Concen: 59.604 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 94 Resp: 436789

Ion	Ratio	Lower	Upper
94	100		
65	31.9	10.3	50.3
66	46.2	22.6	62.6



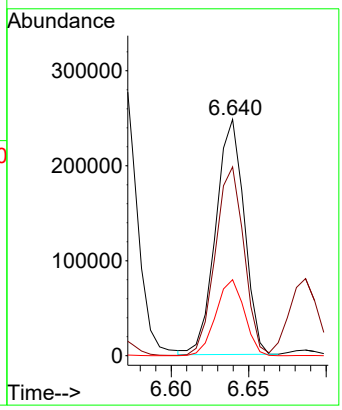


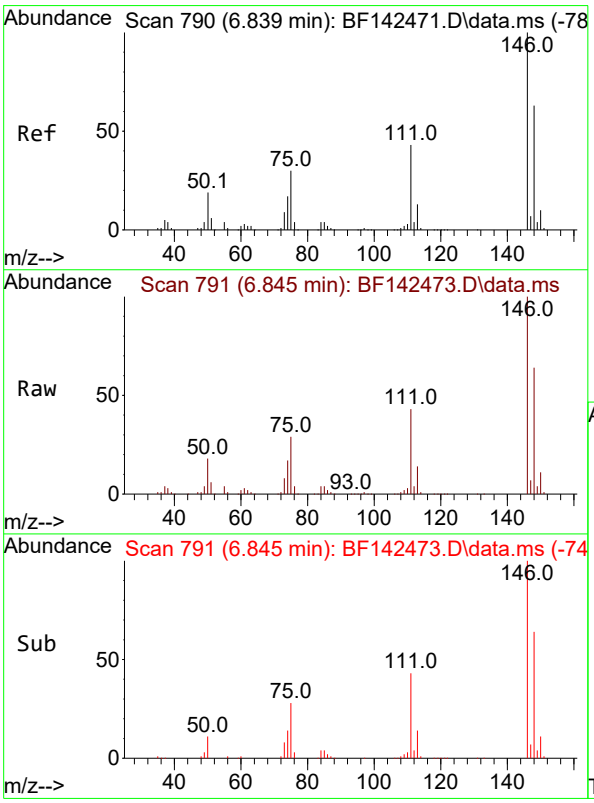
#11
bis(2-Chloroethyl)ether
Concen: 59.948 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 316232

Ion	Ratio	Lower	Upper
93	100		
63	79.9	60.2	100.2
95	32.2	12.3	52.3

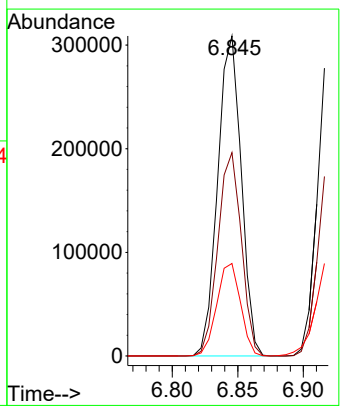


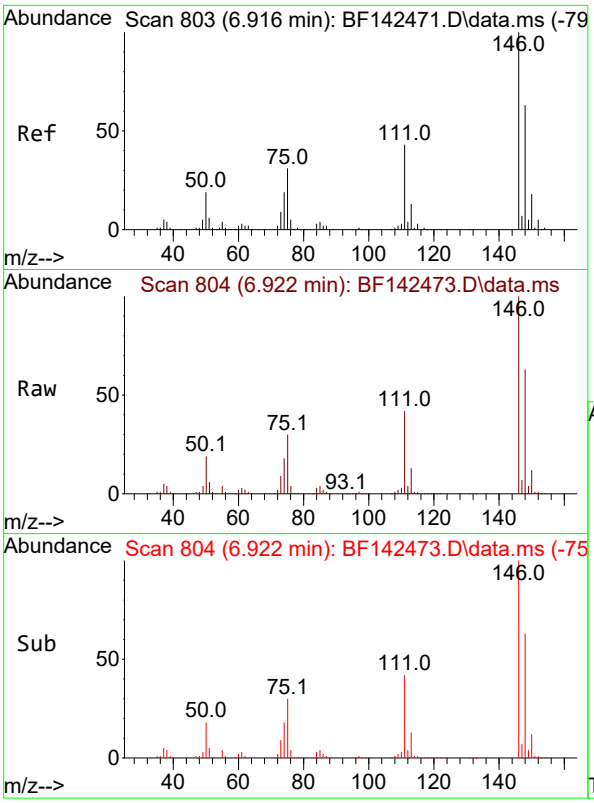


#12
1,3-Dichlorobenzene
Concen: 58.514 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:146 Resp: 384777

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
75	28.9	23.8	35.6



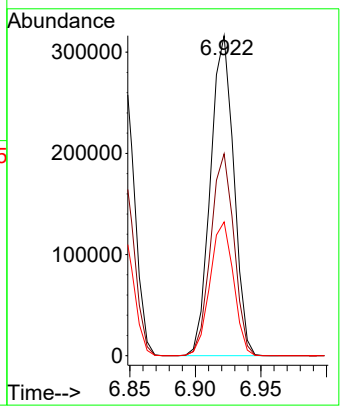


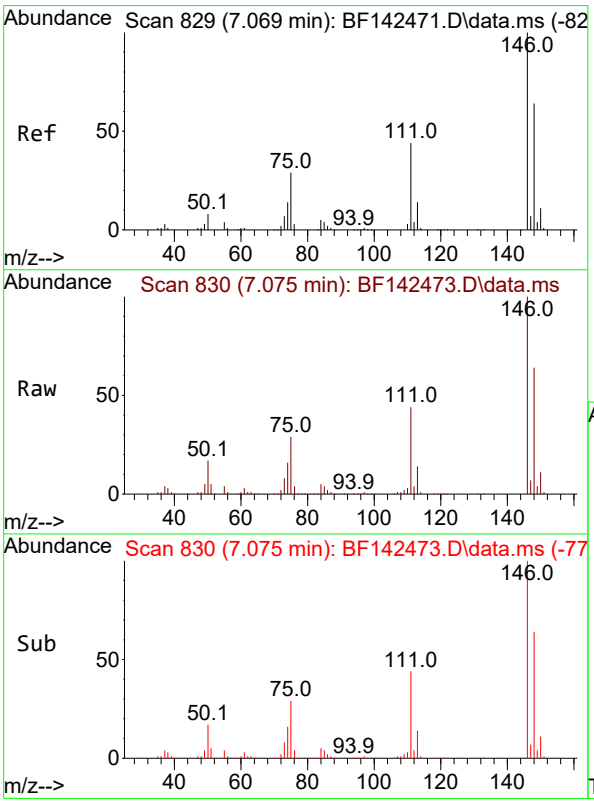
#13
1,4-Dichlorobenzene
Concen: 59.027 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 390981

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.4	75.6
111	41.8	34.1	51.1

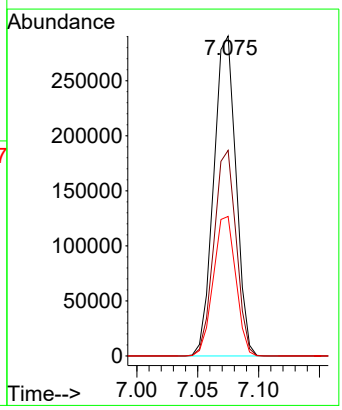


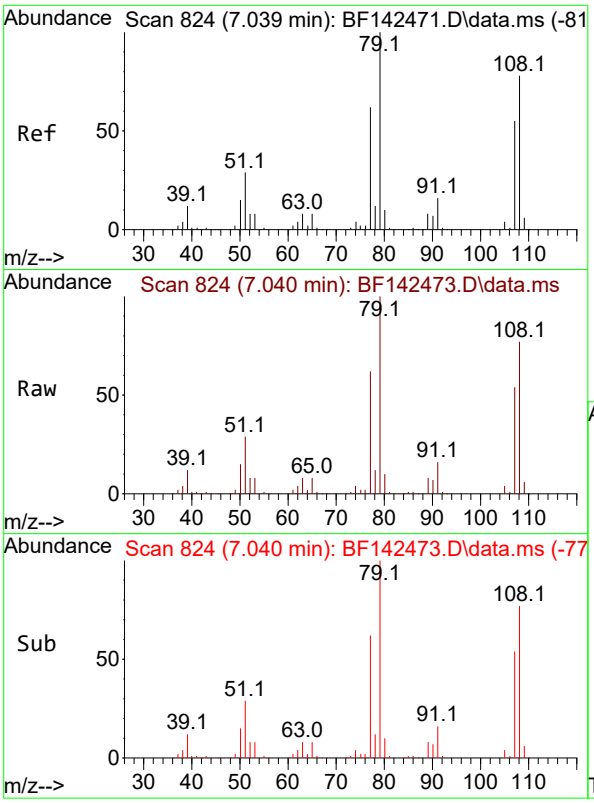


#14
1,2-Dichlorobenzene
Concen: 58.534 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:146 Resp: 370996

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	43.6	35.0	52.6



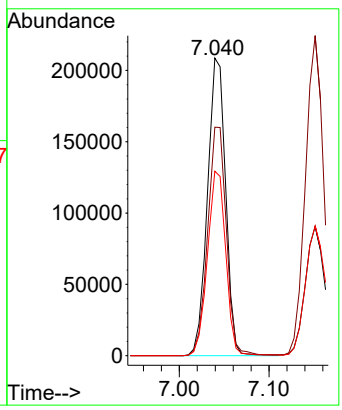


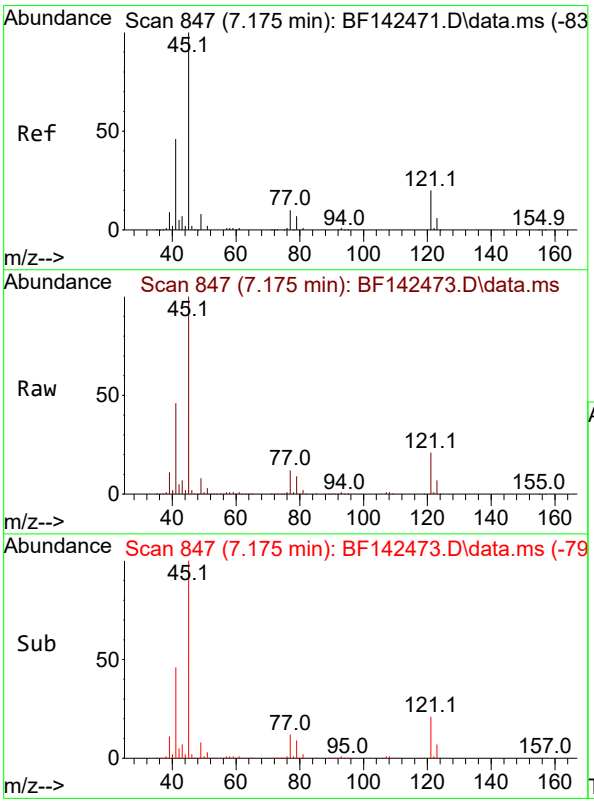
#15
Benzyl Alcohol
Concen: 60.973 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 293457

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.1	93.1
77	62.0	49.5	74.3

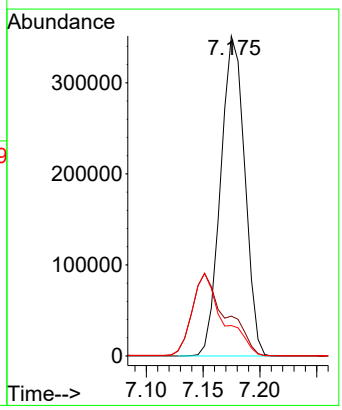


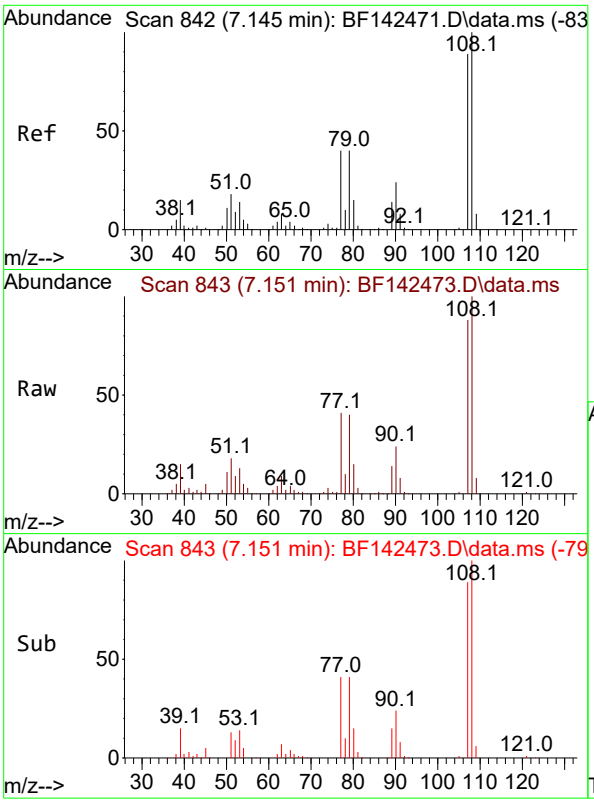


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.593 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 45 Resp: 519064

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	32.0
79	9.5	0.0	29.2



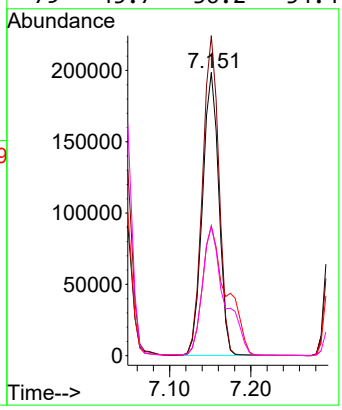


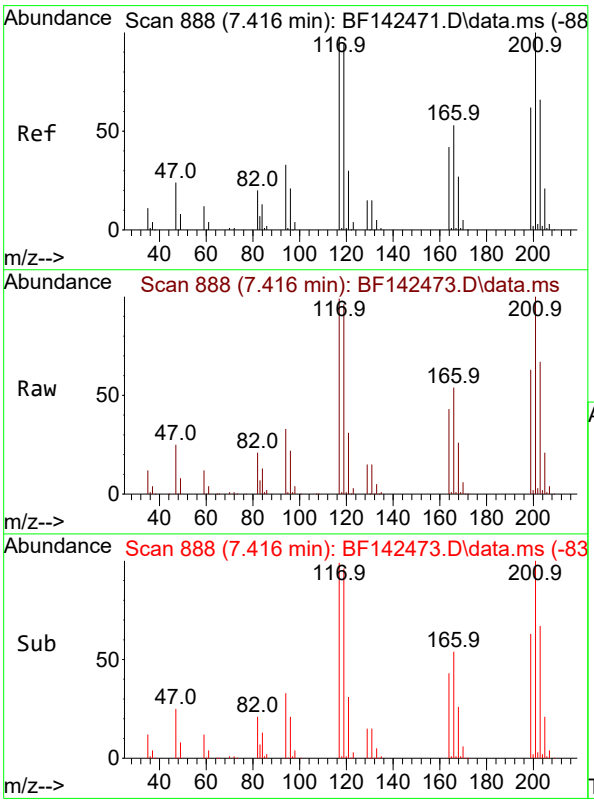
#17
2-Methylphenol
Concen: 60.306 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 277466

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.2	135.2
77	45.8	36.1	54.1
79	45.7	36.2	54.4

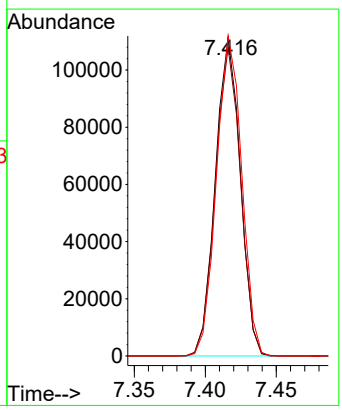


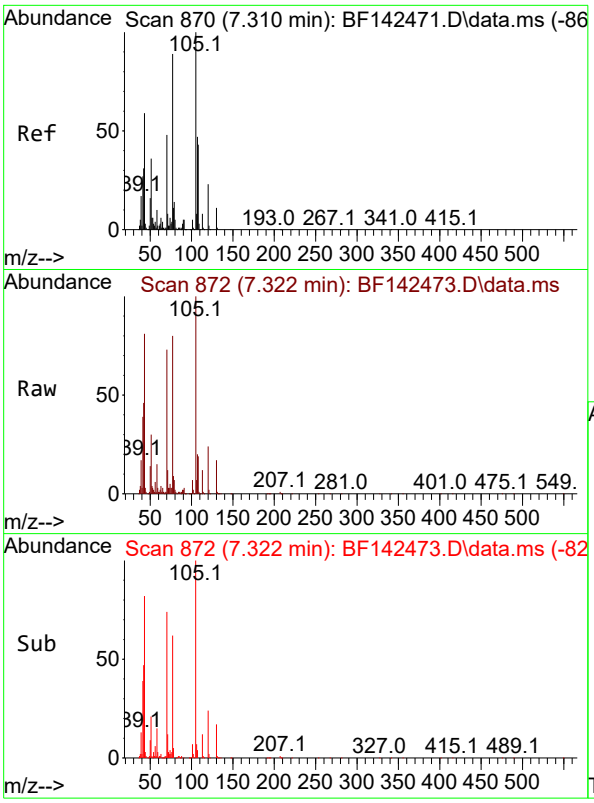


#18
Hexachloroethane
Concen: 58.780 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:117 Resp: 135953

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	114.8
201	100.6	81.3	121.9



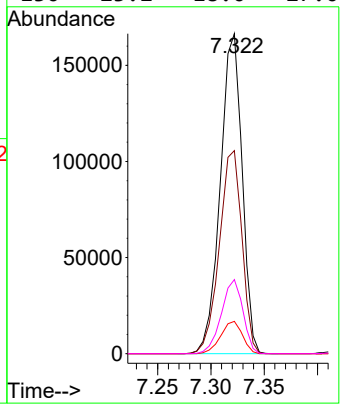


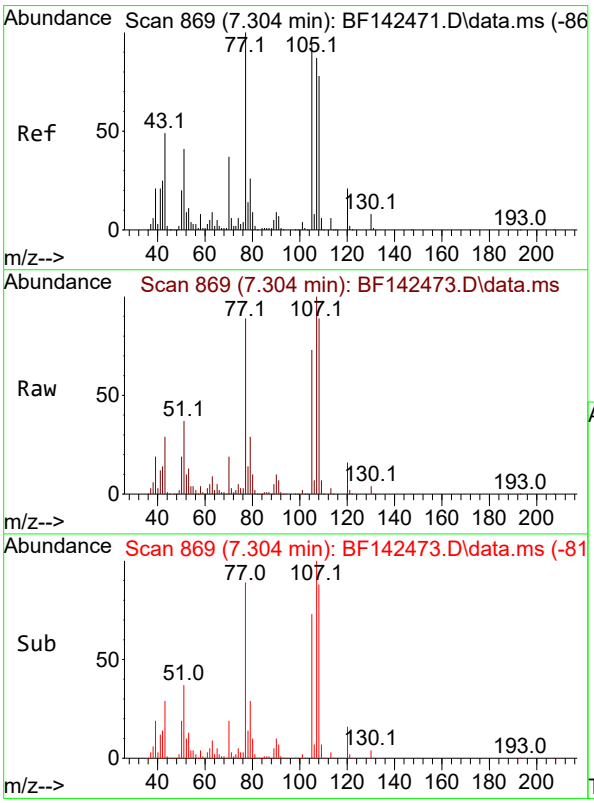
#19
n-Nitroso-di-n-propylamine
Concen: 58.671 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 236814

Ion	Ratio	Lower	Upper
70	100		
42	63.4	52.4	78.6
101	10.1	7.8	11.8
130	23.2	18.0	27.0

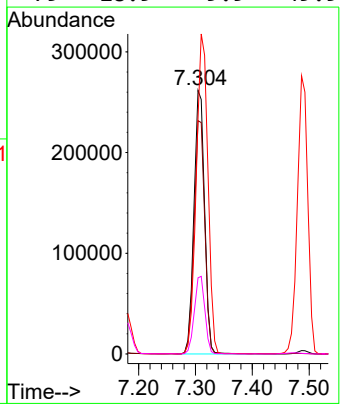


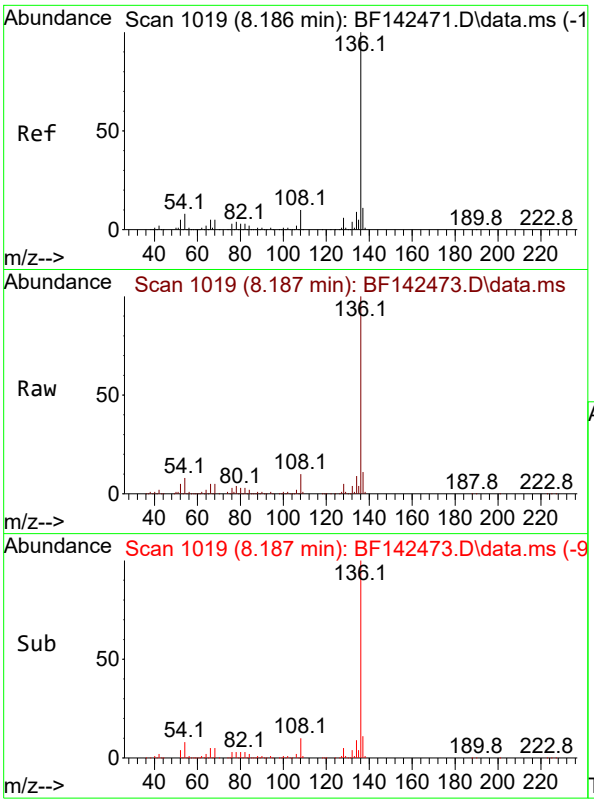


#20
3+4-Methylphenols
Concen: 58.010 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:107 Resp: 341788

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.4	110.4
77	89.5	95.4	135.4#
79	28.9	9.9	49.9



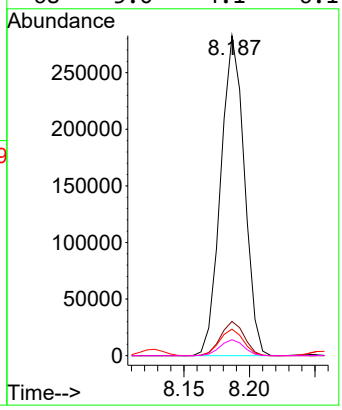


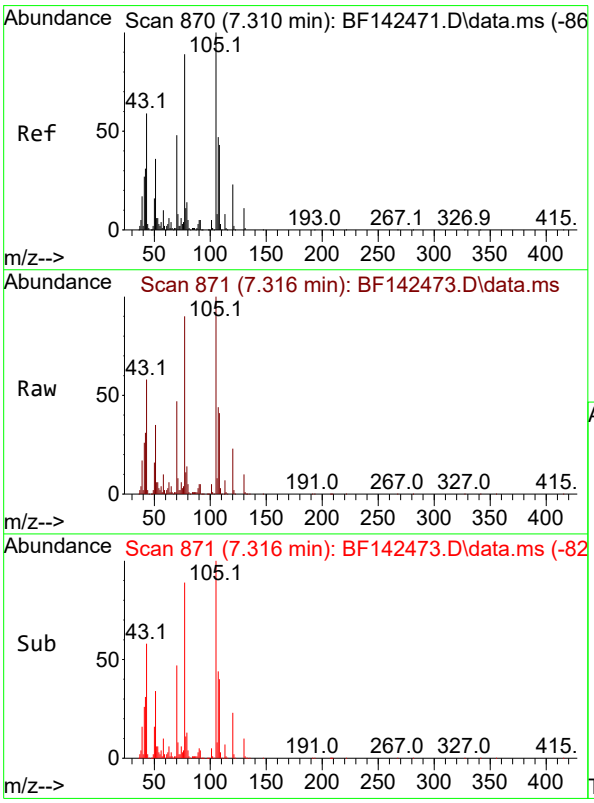
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 354160

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	6.6	10.0
68	5.0	4.1	6.1

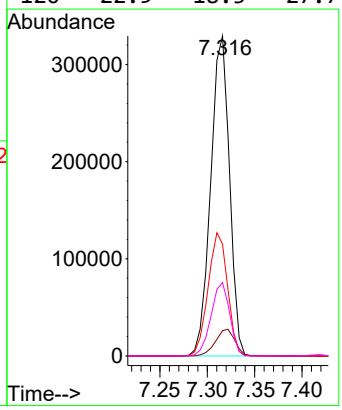


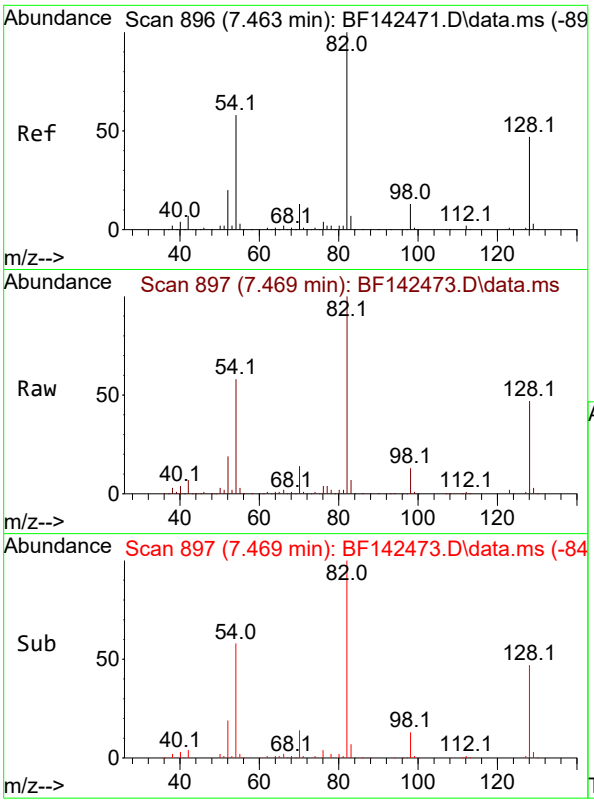


#22
Acetophenone
Concen: 57.937 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:105 Resp: 454226

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.4	9.6
51	34.9	28.6	42.8
120	22.9	18.5	27.7



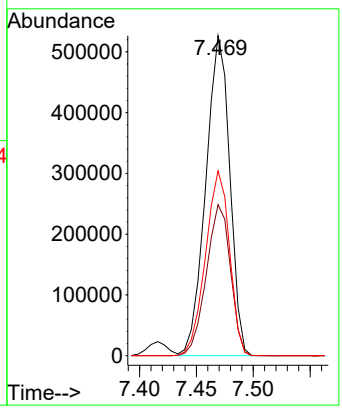


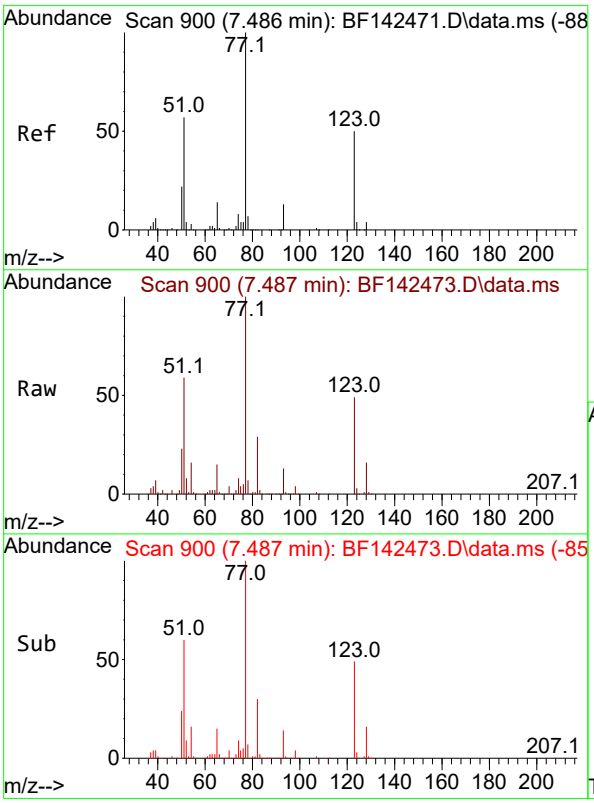
#23
Nitrobenzene-d5
Concen: 118.825 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 771758

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.4	56.2
54	57.7	46.6	70.0

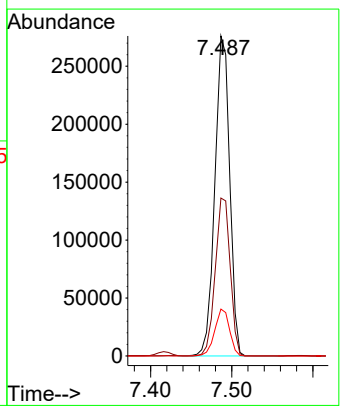


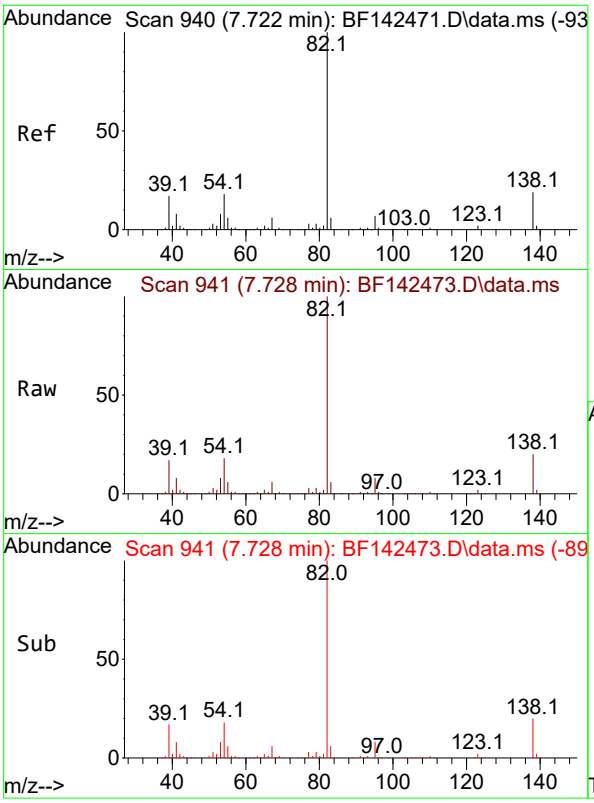


#24
Nitrobenzene
Concen: 59.984 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 77 Resp: 351378

Ion	Ratio	Lower	Upper
77	100		
123	49.4	40.6	61.0
65	14.7	11.4	17.2



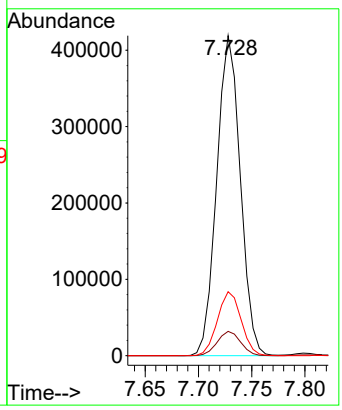


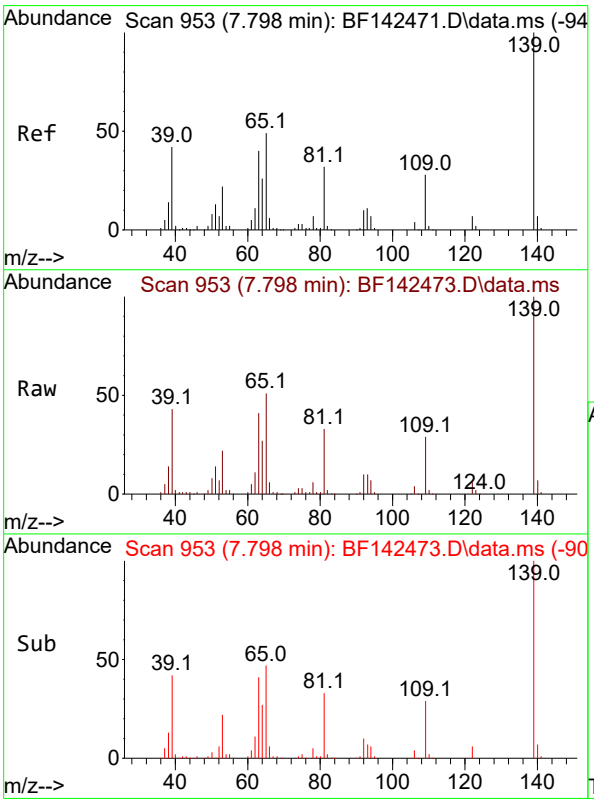
#25
Isophorone
Concen: 59.381 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 644818

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.0	9.0
138	20.0	15.5	23.3

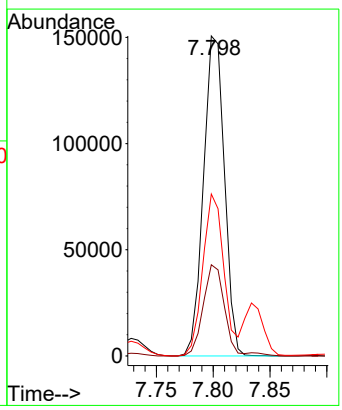


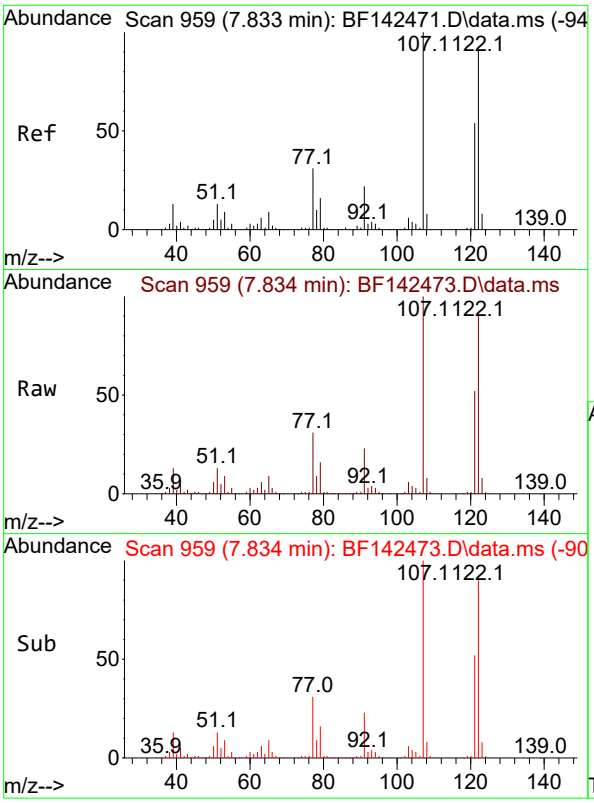


#26
2-Nitrophenol
Concen: 61.872 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:139 Resp: 193662

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.6	33.8
65	50.6	39.4	59.0



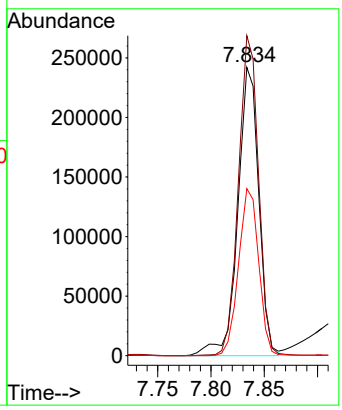


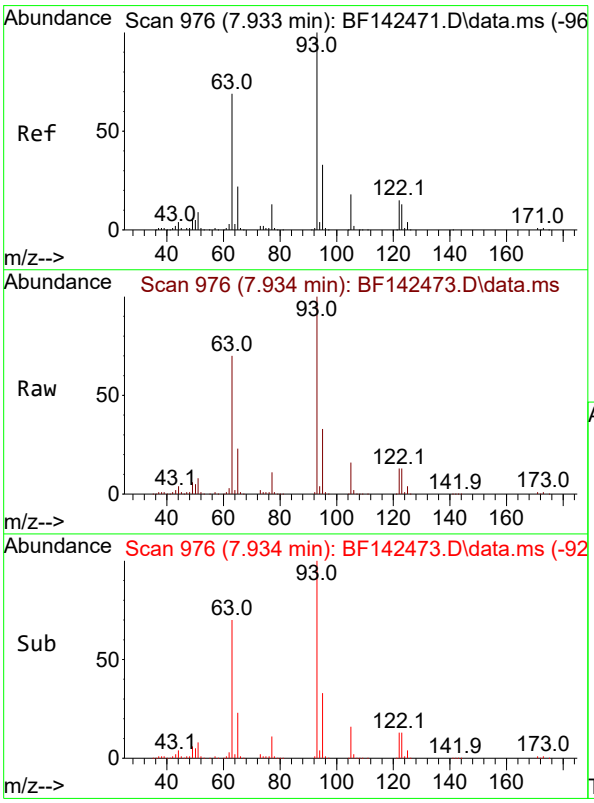
#27
2,4-Dimethylphenol
Concen: 59.994 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 331159

Ion	Ratio	Lower	Upper
122	100		
107	111.0	88.1	132.1
121	57.9	47.3	70.9

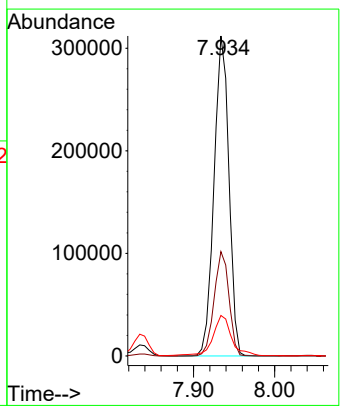


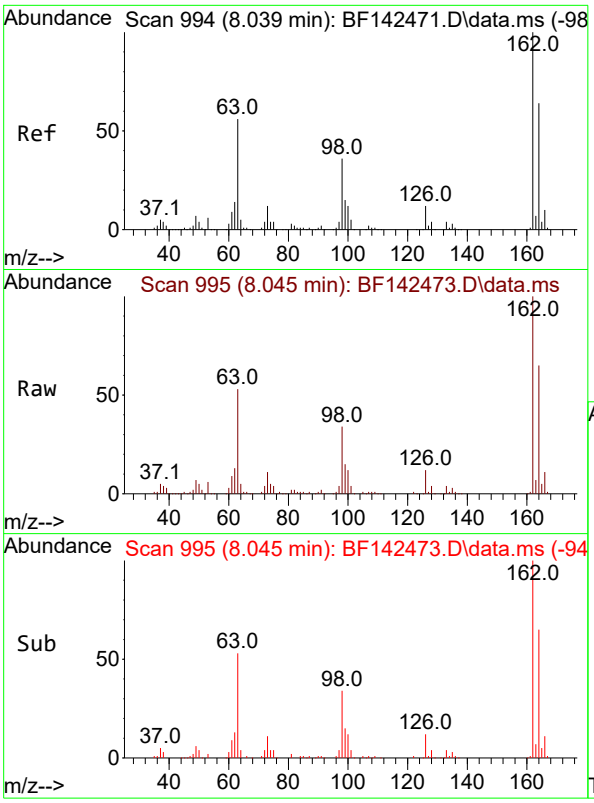


#28
bis(2-Chloroethoxy)methane
Concen: 58.699 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 93 Resp: 398177

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.4	39.6
123	12.7	10.6	15.8



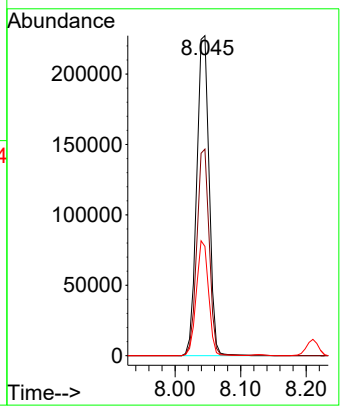


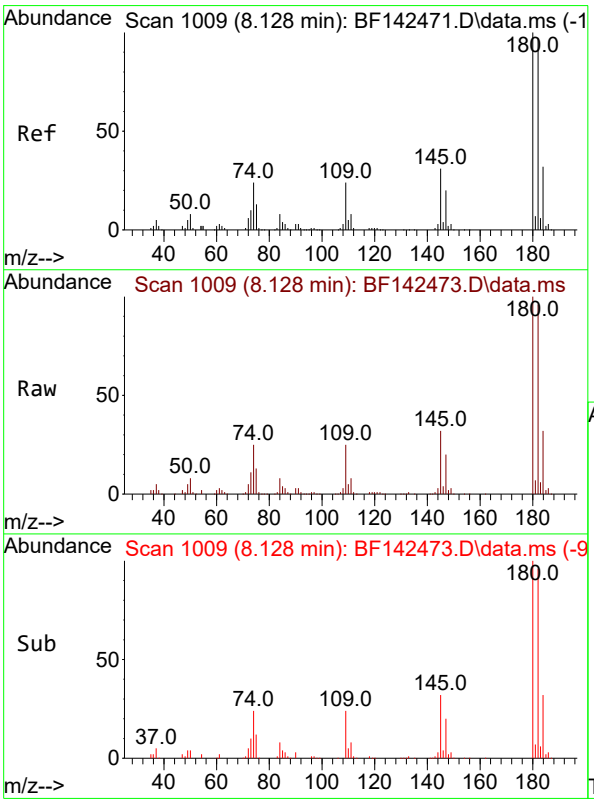
#29
2,4-Dichlorophenol
Concen: 59.913 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 300754

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.7	83.7
98	34.1	15.5	55.5

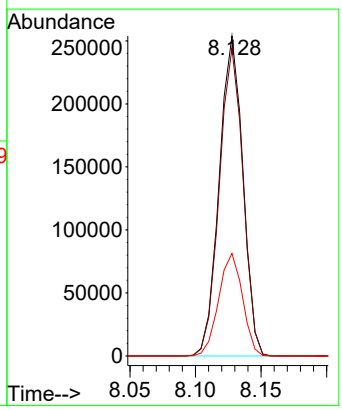


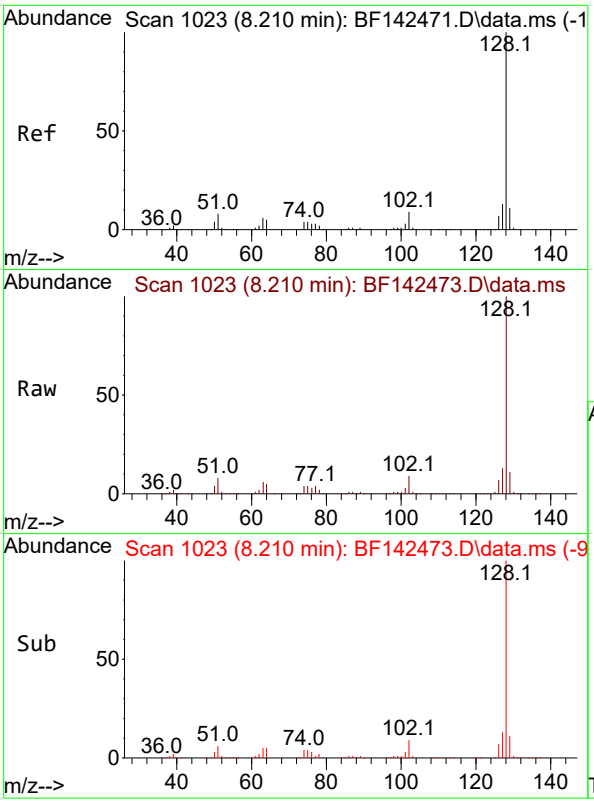


#30
1,2,4-Trichlorobenzene
Concen: 58.460 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:180 Resp: 318487

Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.0	117.0
145	32.0	25.0	37.6



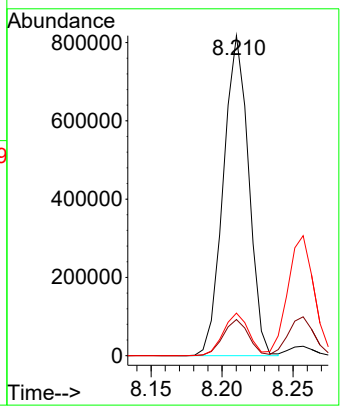


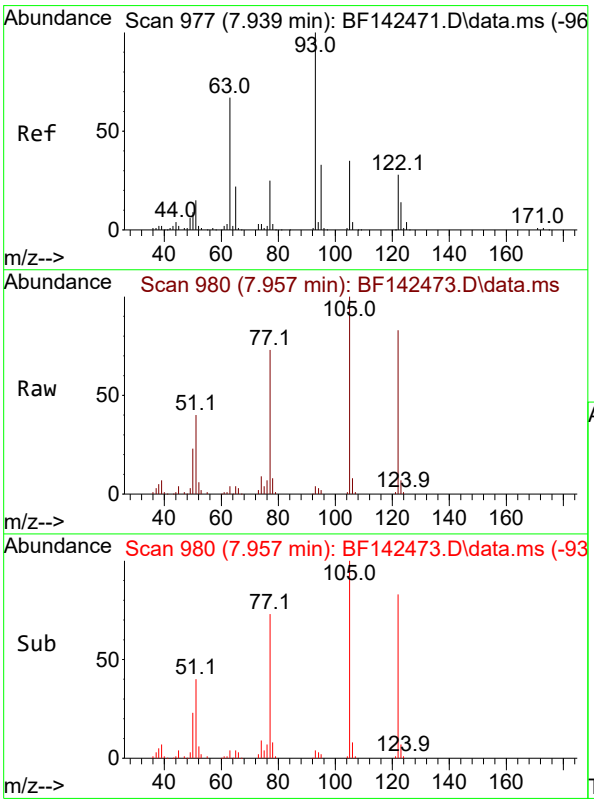
#31
Naphthalene
Concen: 58.085 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1012926

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.5	15.7

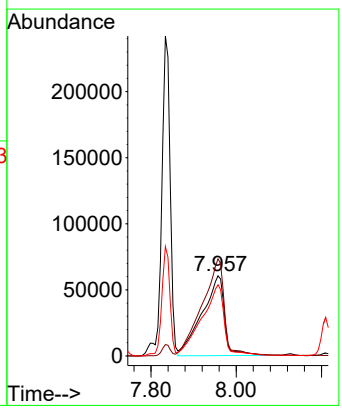


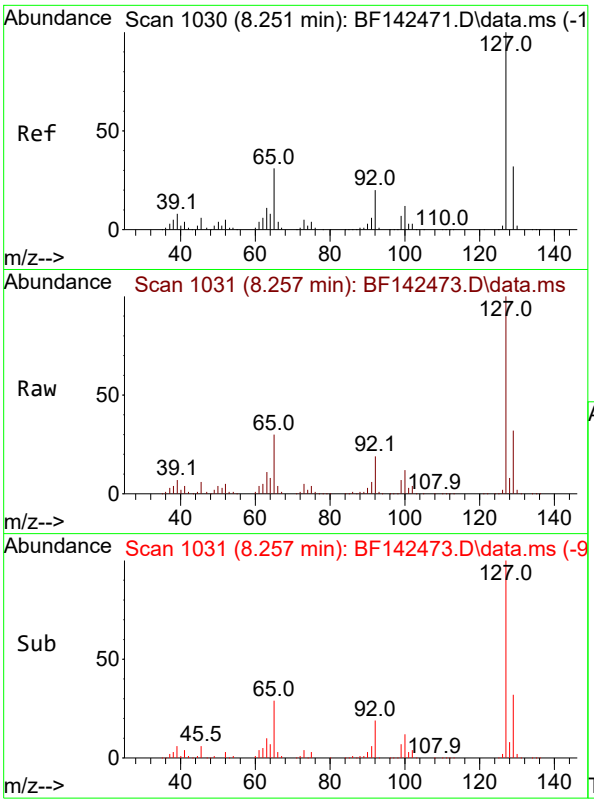


#32
Benzoic acid
Concen: 66.059 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.018 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:122 Resp: 221962

Ion	Ratio	Lower	Upper
122	100		
105	121.2	101.7	141.7
77	88.9	69.5	109.5



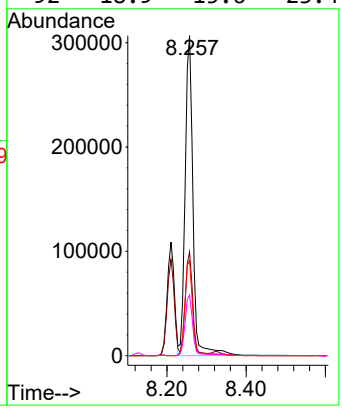


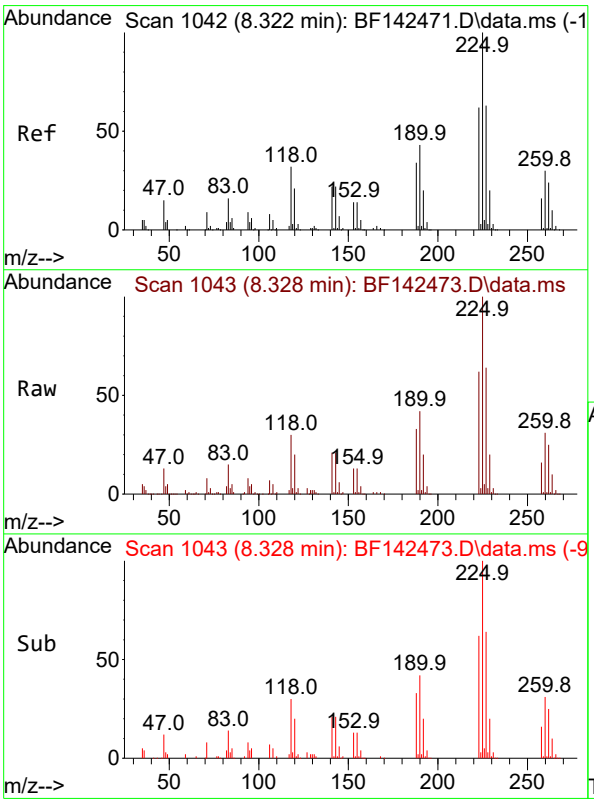
#33
4-Chloroaniline
Concen: 59.619 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 421281

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	29.7	24.9	37.3
92	18.9	15.6	23.4

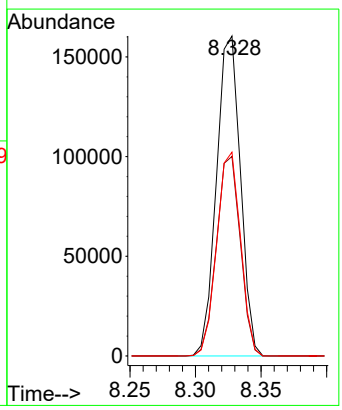


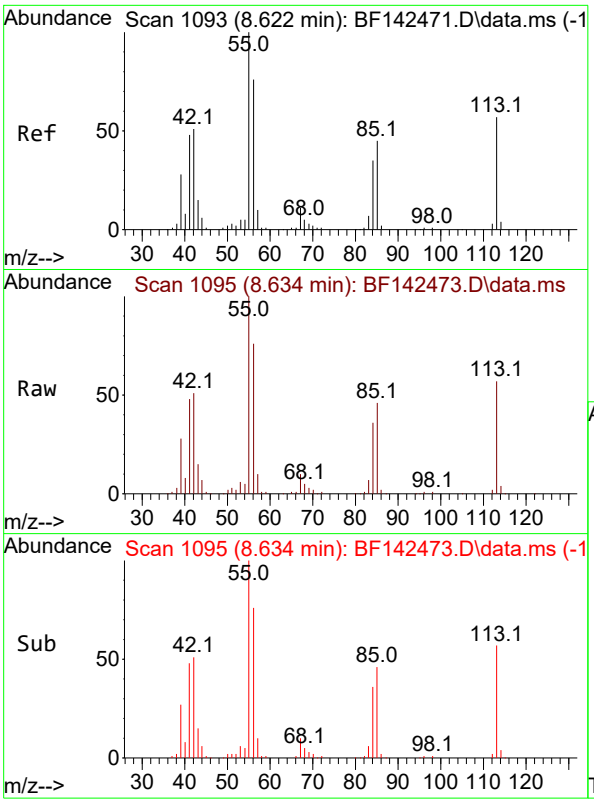


#34
Hexachlorobutadiene
Concen: 59.831 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:225 Resp: 203527

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.7	74.5
227	63.7	50.3	75.5



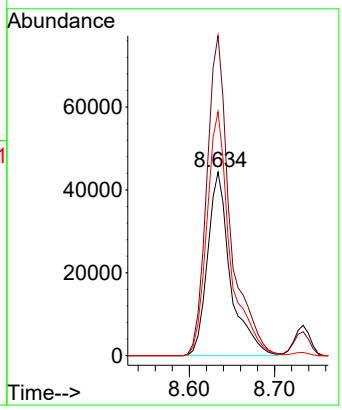


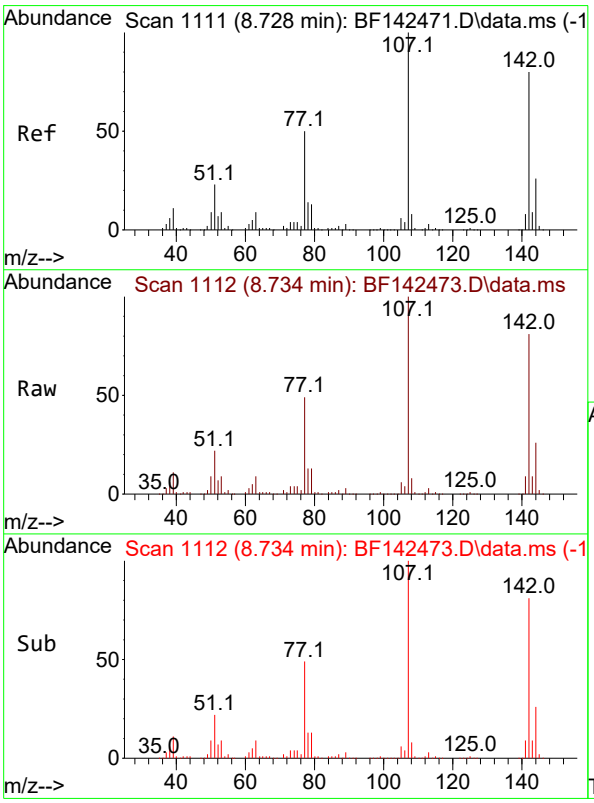
#35
Caprolactam
Concen: 58.650 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 82688

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.7	194.7
56	133.0	113.2	153.2

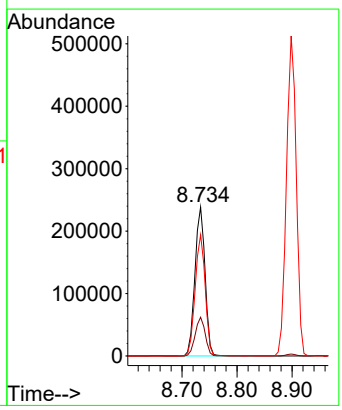


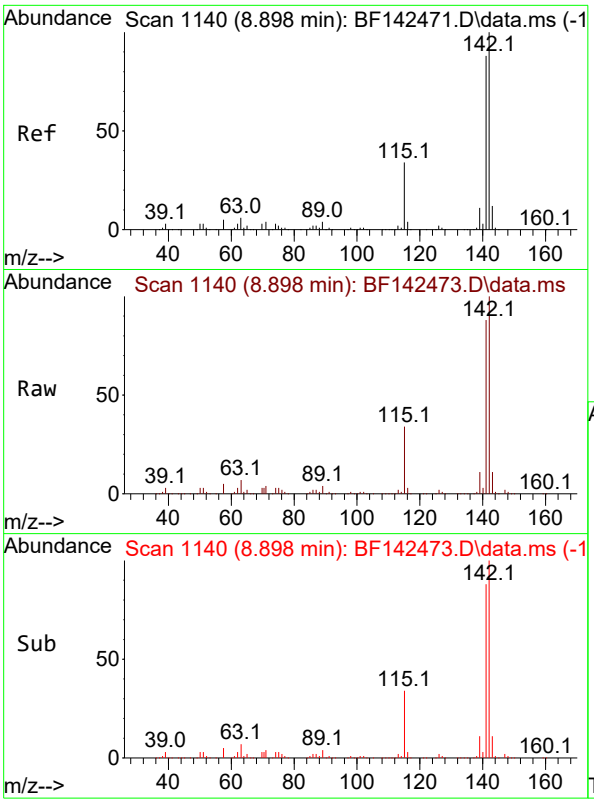


#36
4-Chloro-3-methylphenol
Concen: 59.352 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:107 Resp: 305341

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.9	31.3
142	81.3	64.2	96.2



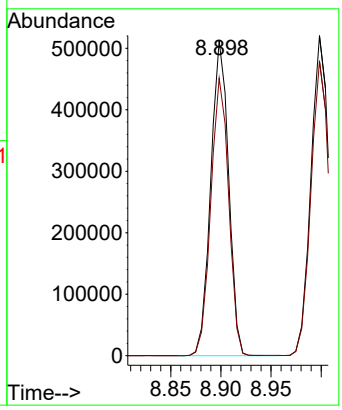


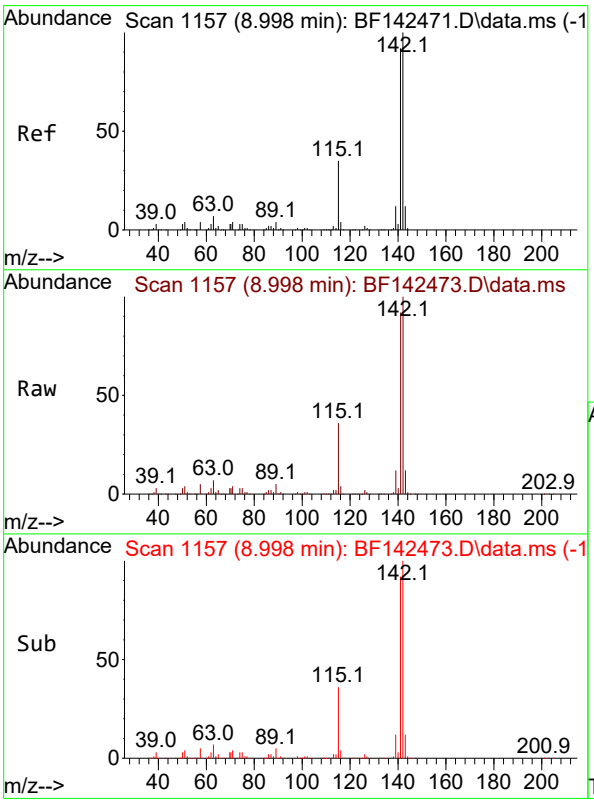
#37
2-Methylnaphthalene
Concen: 57.893 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 635148

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.7	106.1

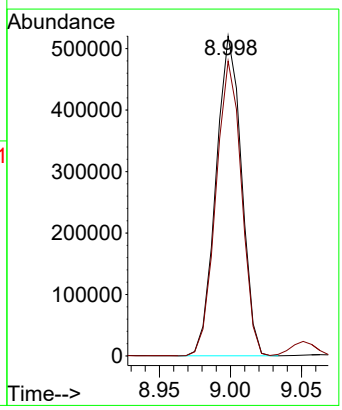


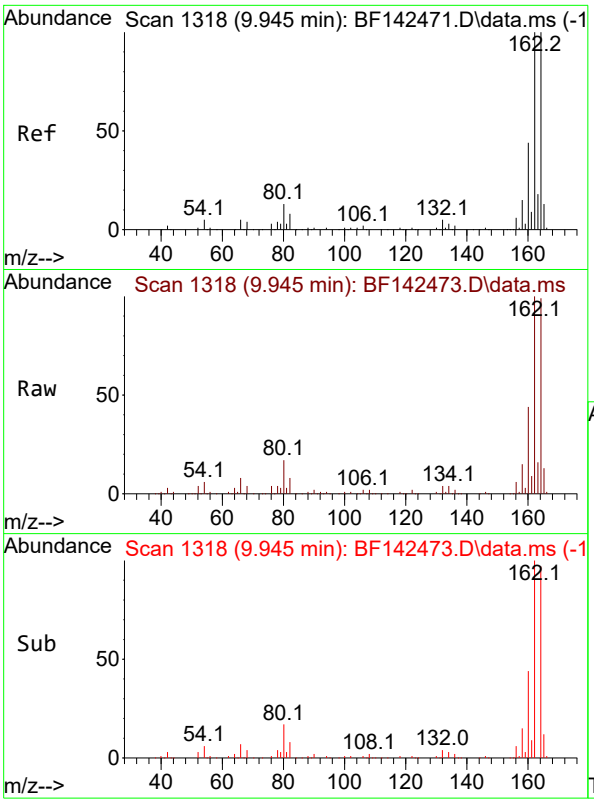


#38
1-Methylnaphthalene
Concen: 57.247 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:142 Resp: 649652

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.2



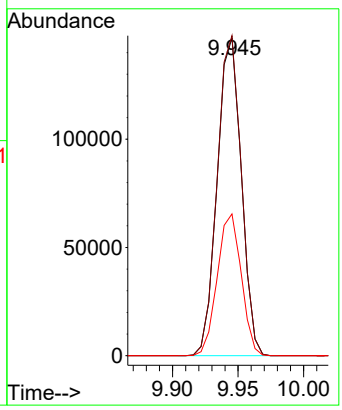


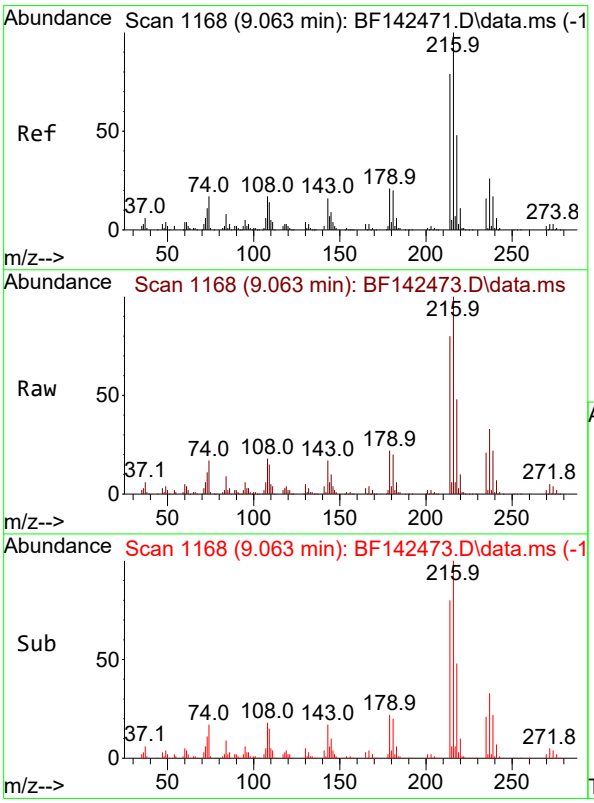
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 187285

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.2	120.4
160	44.6	35.6	53.4

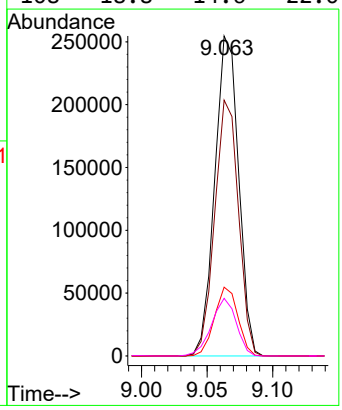


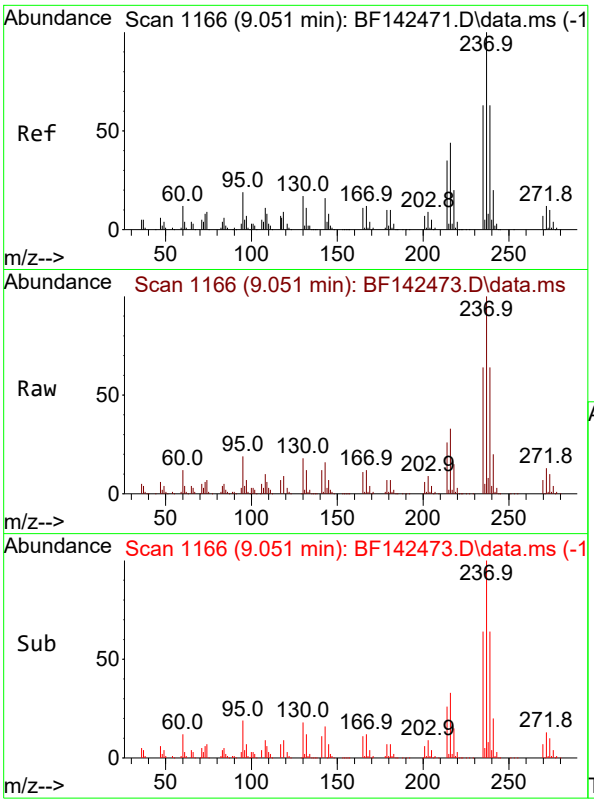


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.844 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:216 Resp: 321732

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.9	94.3
179	21.1	16.9	25.3
108	18.8	14.6	22.0



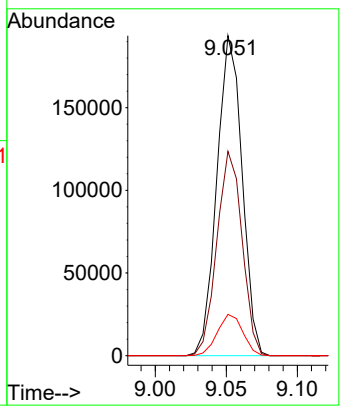


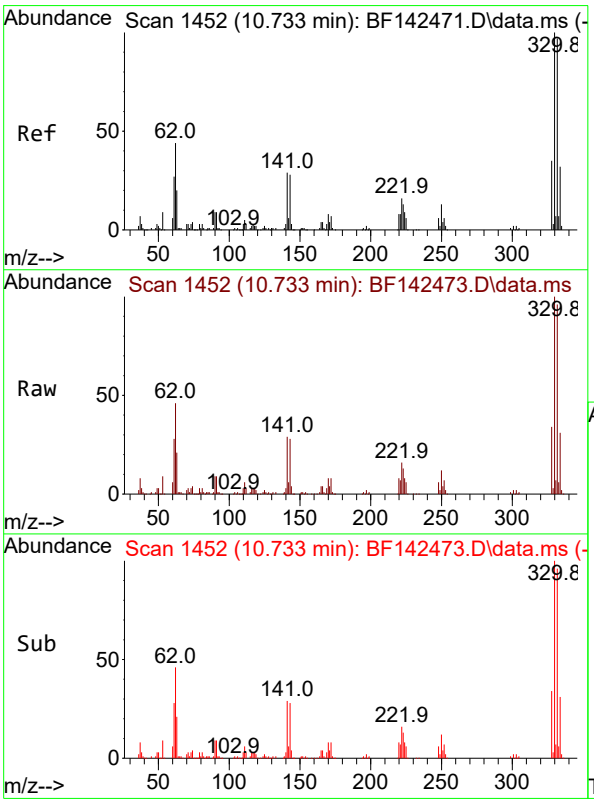
#41
Hexachlorocyclopentadiene
Concen: 65.820 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 238708

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.3	83.3
272	12.9	0.0	32.4

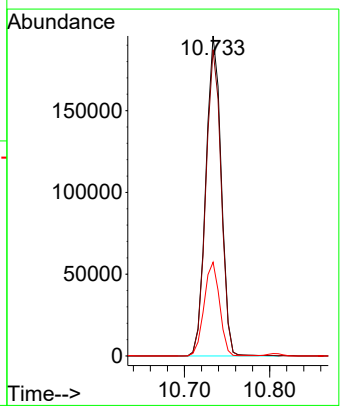


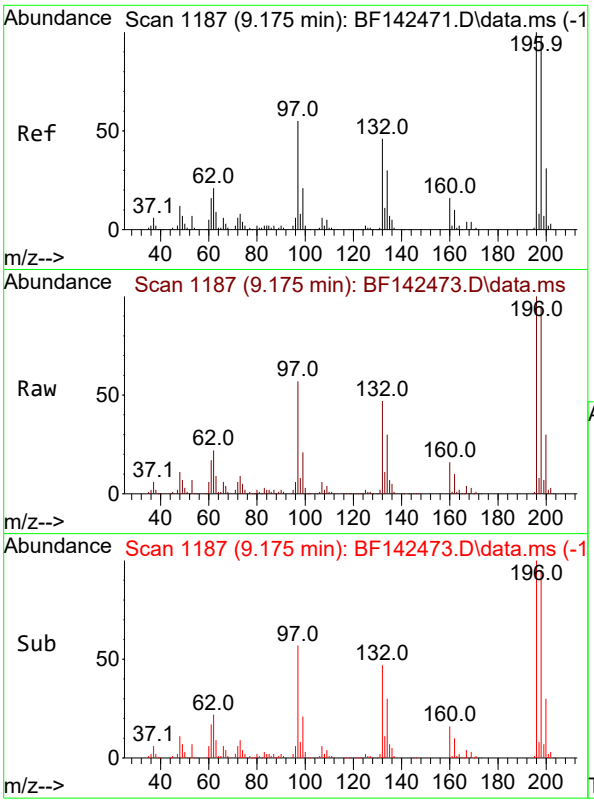


#42
2,4,6-Tribromophenol
Concen: 117.621 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:330 Resp: 244491

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	29.6	24.6	36.8



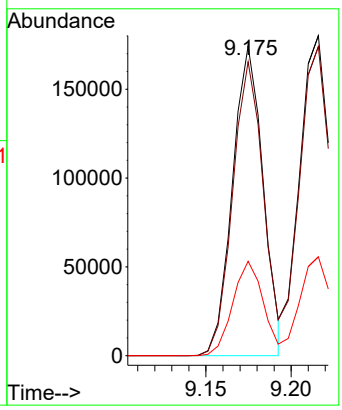


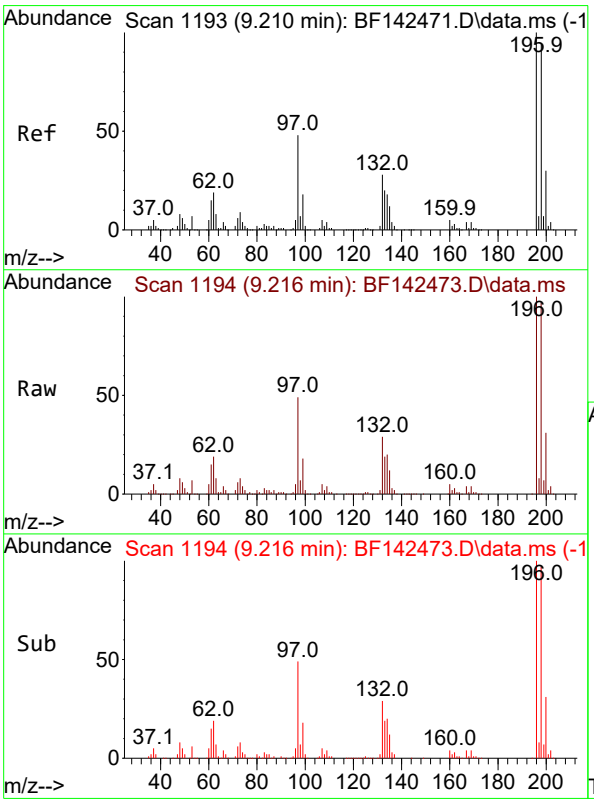
#43
2,4,6-Trichlorophenol
Concen: 60.098 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 217868

Ion	Ratio	Lower	Upper
196	100		
198	94.9	78.8	118.2
200	30.4	24.9	37.3

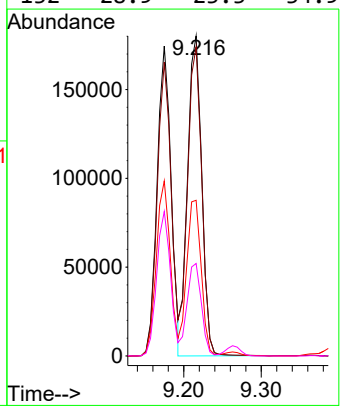


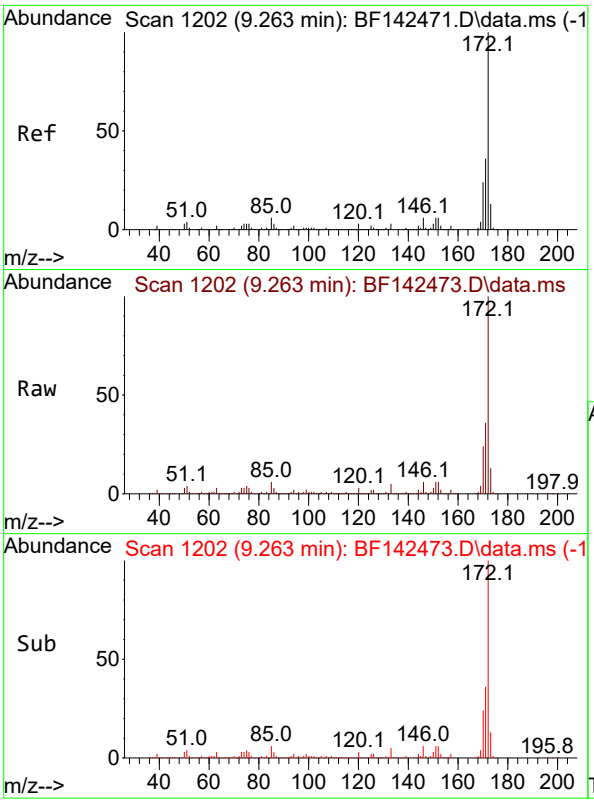


#44
2,4,5-Trichlorophenol
Concen: 59.916 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:196 Resp: 229079

Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.5	113.3
97	48.6	39.3	58.9
132	28.9	23.3	34.9



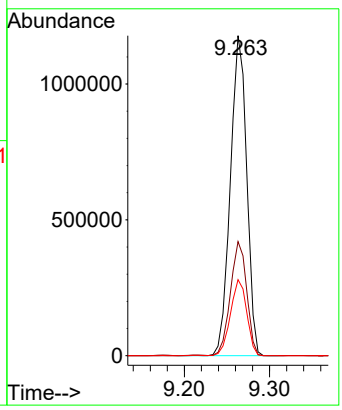


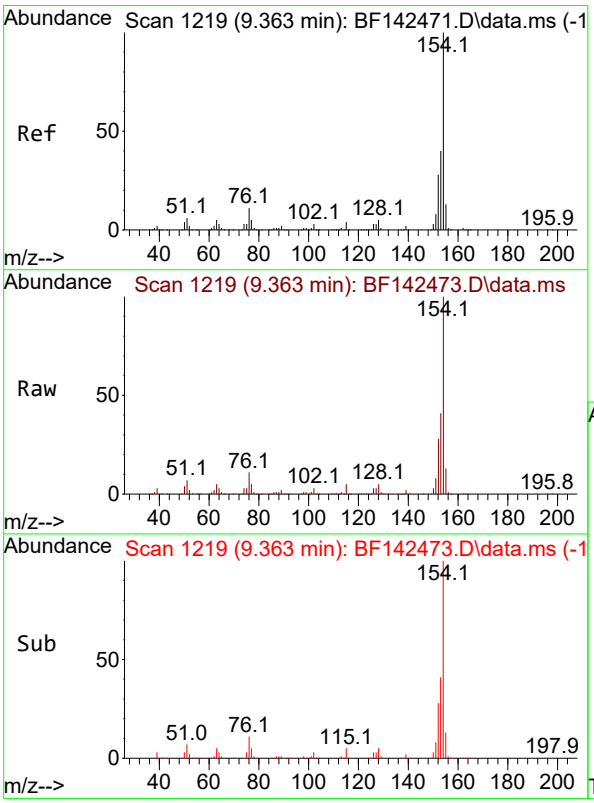
#45
2-Fluorobiphenyl
Concen: 112.426 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1569136

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.7	18.9	28.3

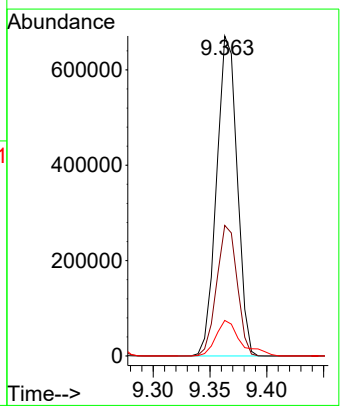


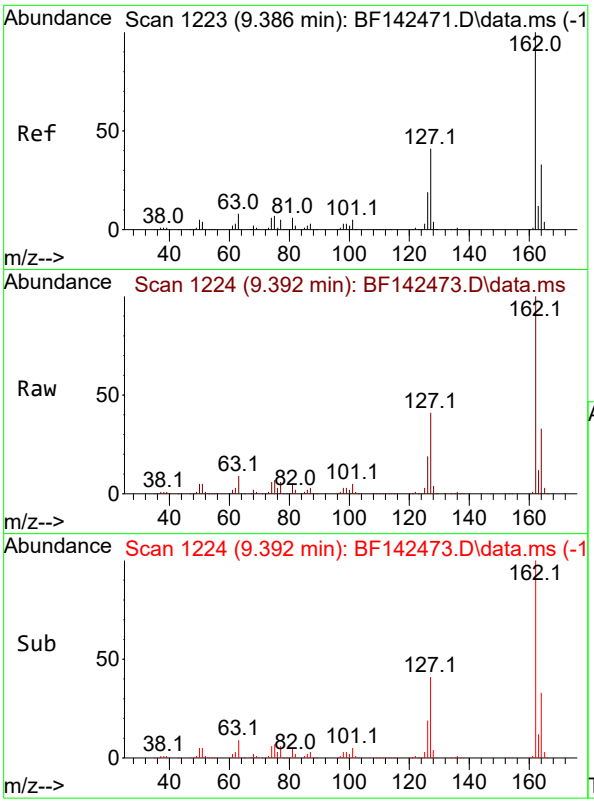


#46
1,1'-Biphenyl
Concen: 58.279 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:154 Resp: 846783

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	11.1	0.0	30.8



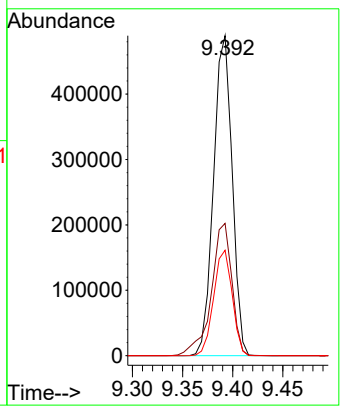


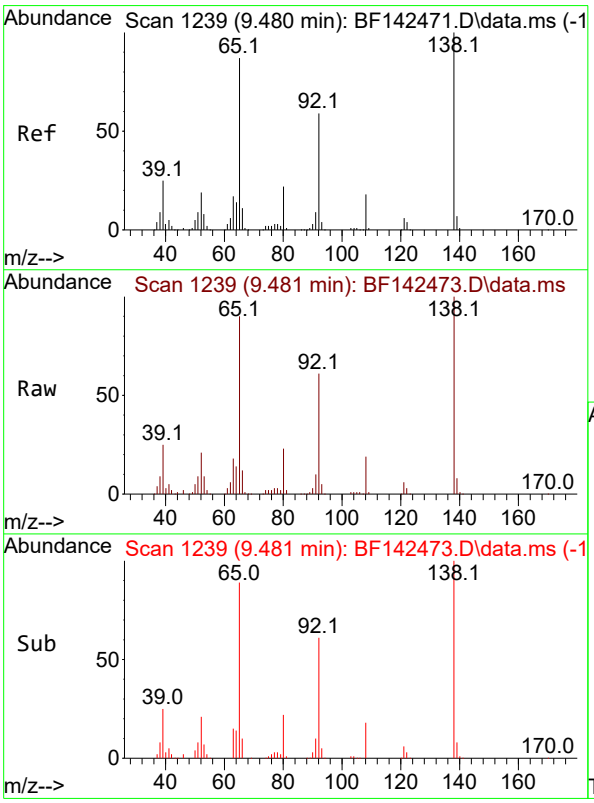
#47
2-Chloronaphthalene
Concen: 58.746 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 630647

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.5	50.3
164	33.0	26.1	39.1

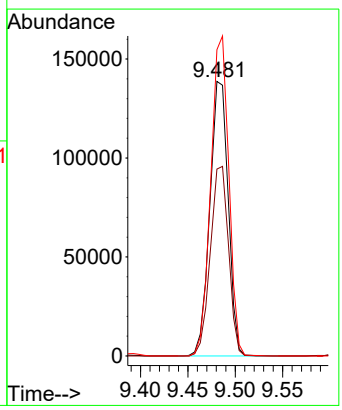


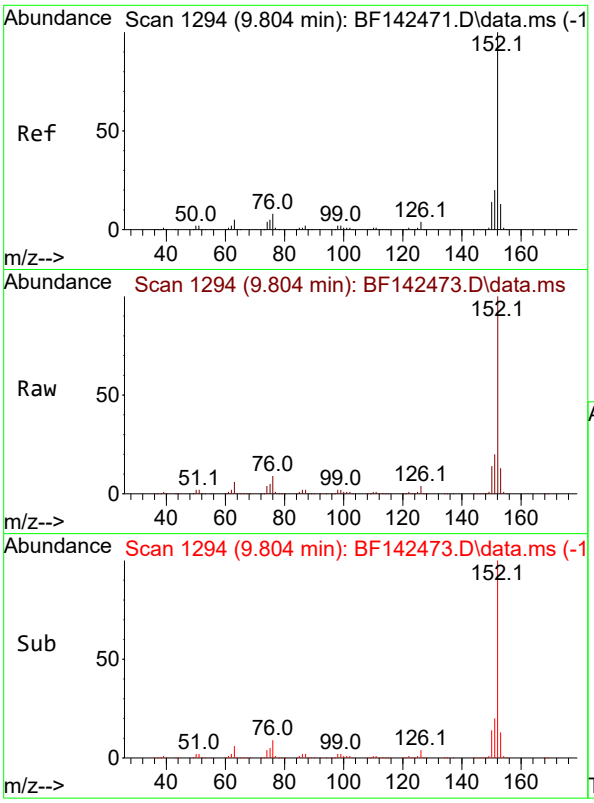


#48
2-Nitroaniline
Concen: 60.093 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion: 65 Resp: 186466

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	111.5	91.4	137.2



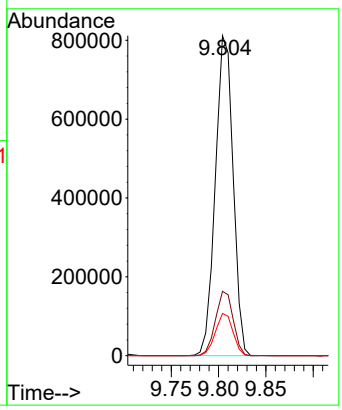


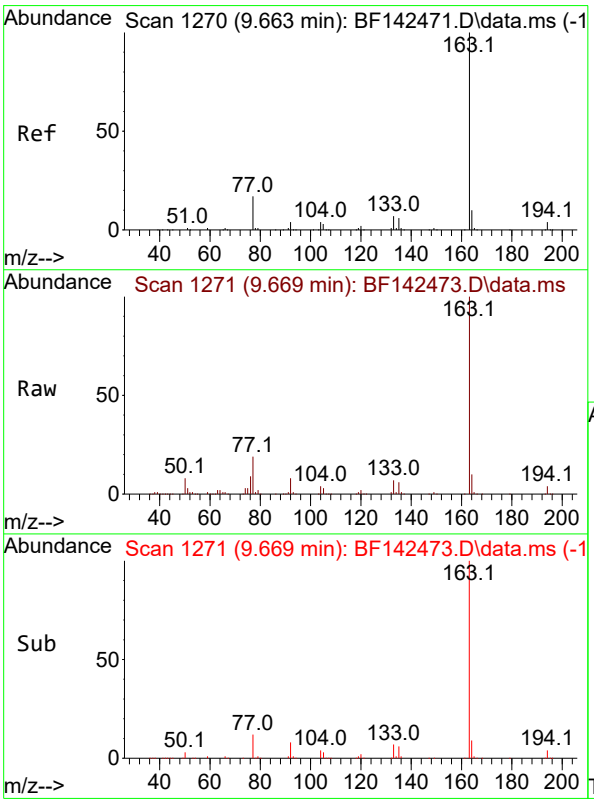
#49
Acenaphthylene
Concen: 58.411 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1058826

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.2	10.6	15.8

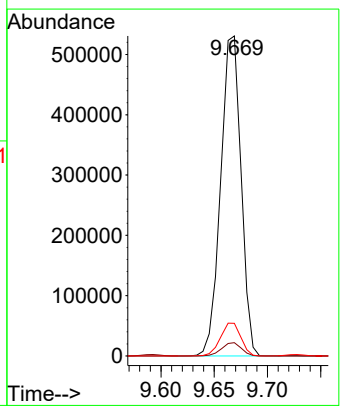


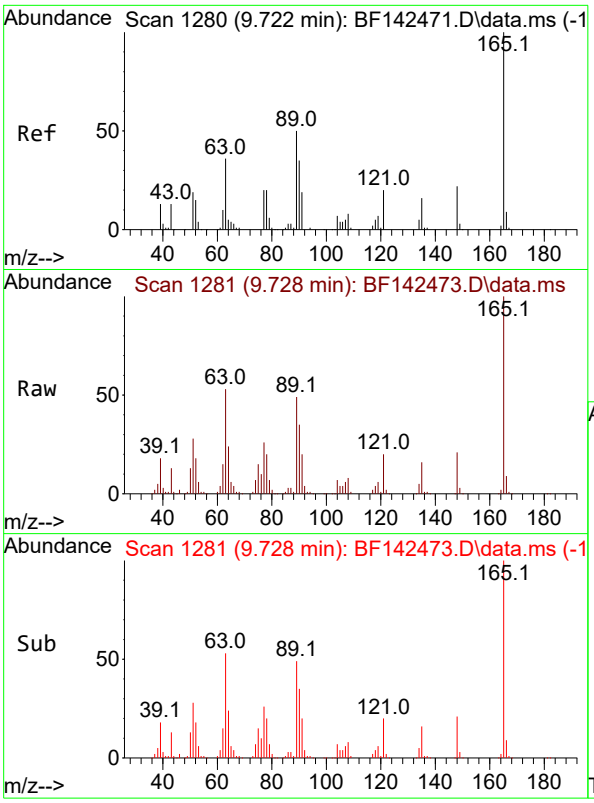


#50
Dimethylphthalate
Concen: 57.119 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:163 Resp: 705857

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.4



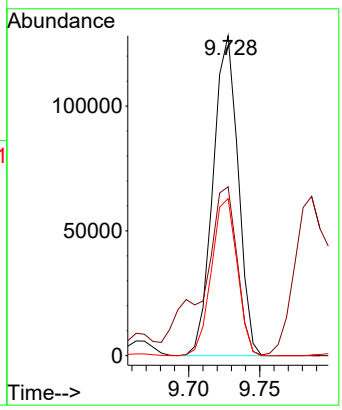


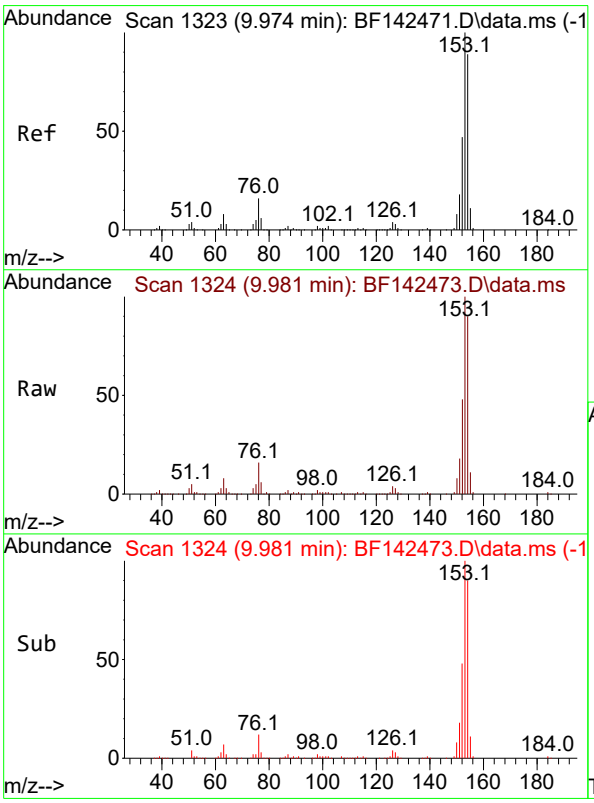
#51
2,6-Dinitrotoluene
Concen: 59.195 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 157884

Ion	Ratio	Lower	Upper
165	100		
63	52.8	42.9	64.3
89	49.1	40.2	60.4

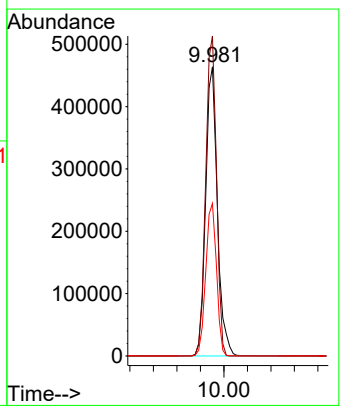


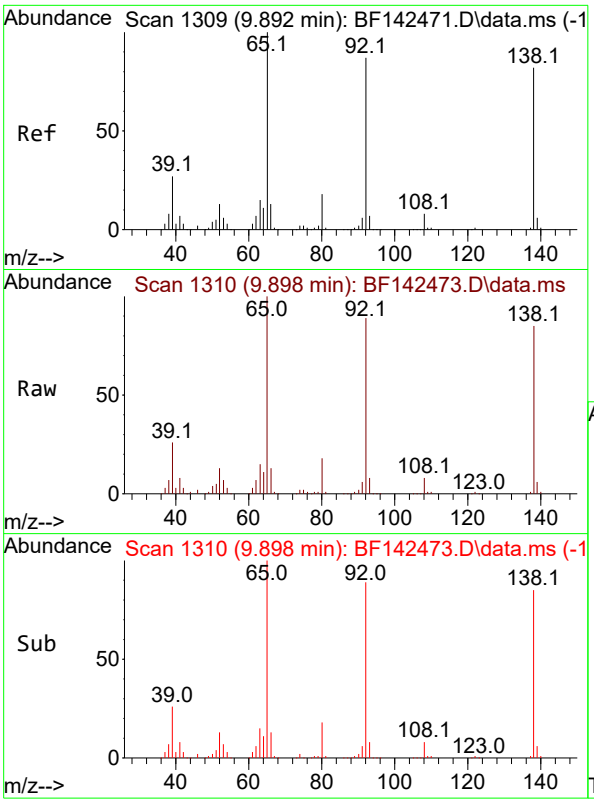


#52
Acenaphthene
Concen: 58.160 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:154 Resp: 643773

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.0	135.0
152	52.8	42.6	64.0



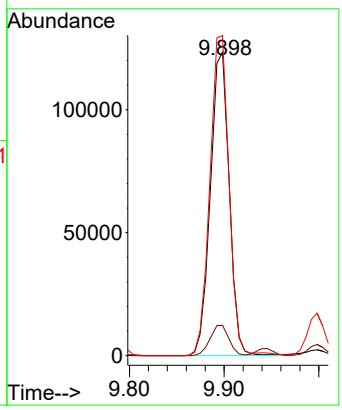


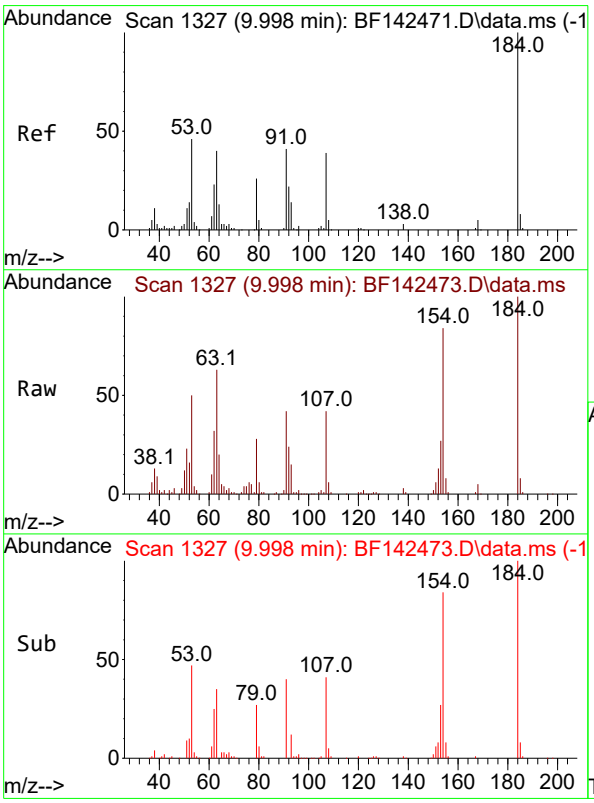
#53
3-Nitroaniline
Concen: 58.746 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 171137

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	105.4	85.2	127.8

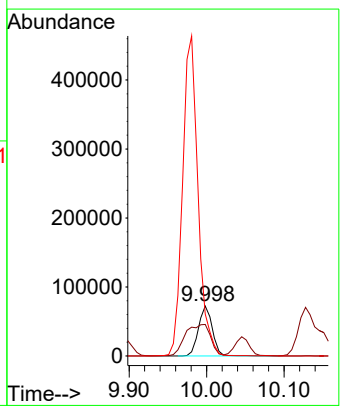


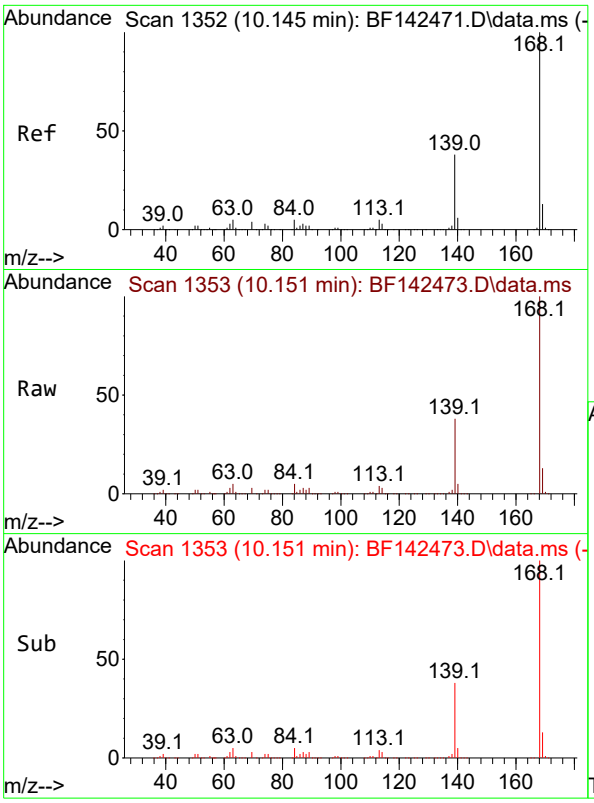


#54
2,4-Dinitrophenol
Concen: 65.126 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:184 Resp: 89741

Ion	Ratio	Lower	Upper
184	100		
63	63.3	46.3	69.5
154	84.0	56.8	85.2



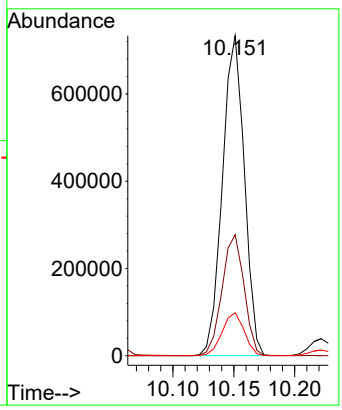


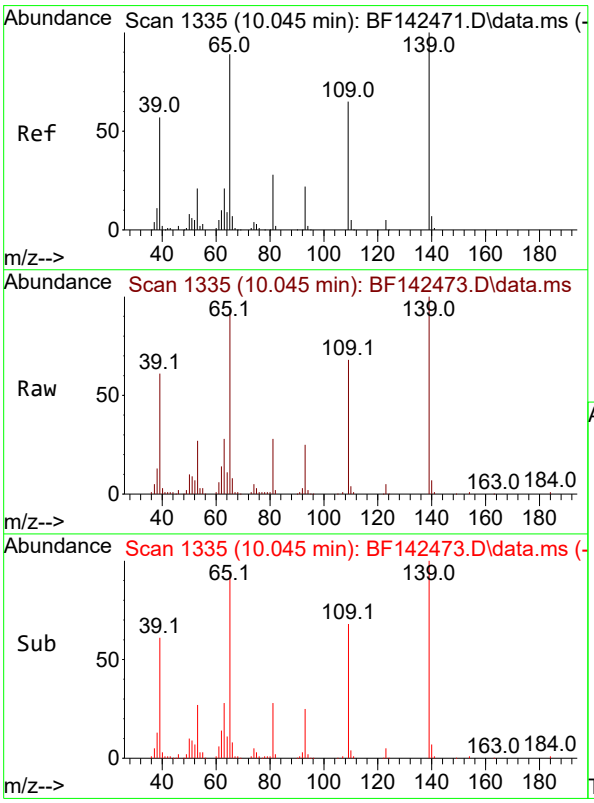
#55
Dibenzofuran
Concen: 57.677 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 918703

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.2
169	13.4	10.7	16.1

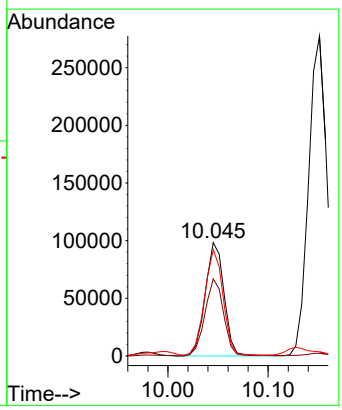


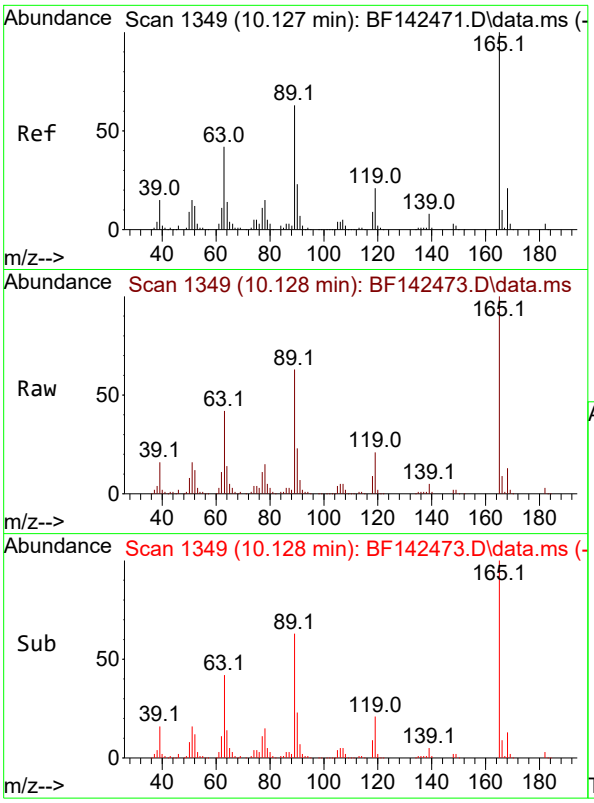


#56
4-Nitrophenol
Concen: 59.782 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:139 Resp: 128501

Ion	Ratio	Lower	Upper
139	100		
109	67.9	45.1	85.1
65	93.8	69.7	109.7



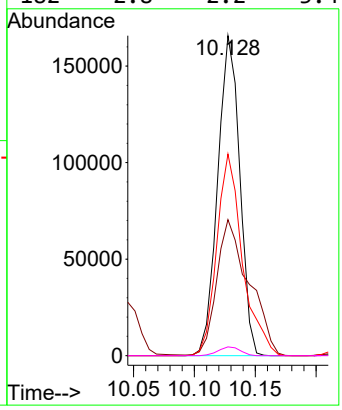


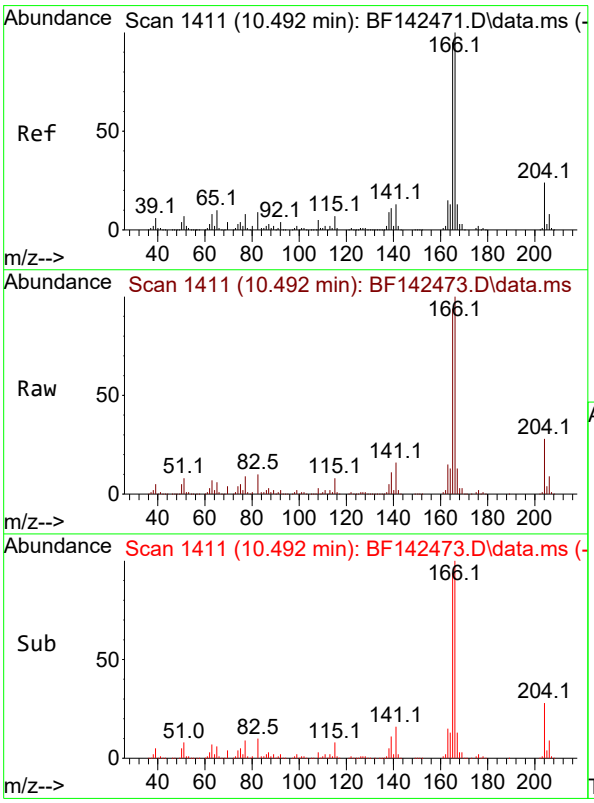
#57
2,4-Dinitrotoluene
Concen: 60.012 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 209035

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	63.0	50.2	75.4
182	2.8	2.2	3.4

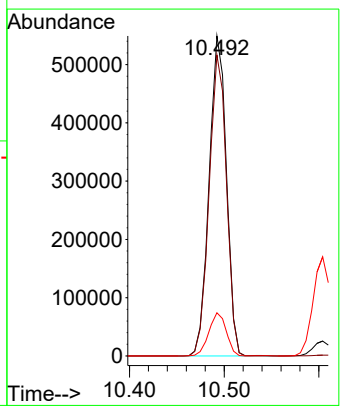


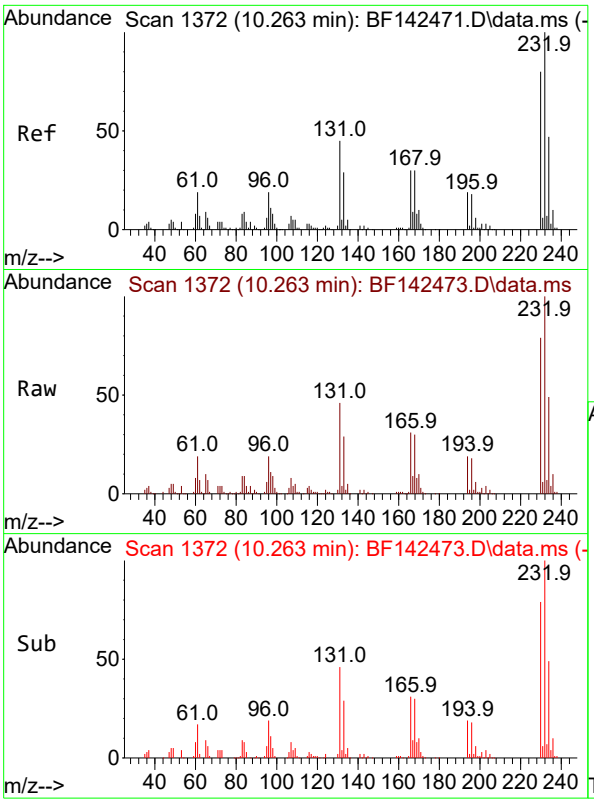


#58
Fluorene
Concen: 56.516 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:166 Resp: 695462

Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.8	113.8
167	13.5	10.6	16.0



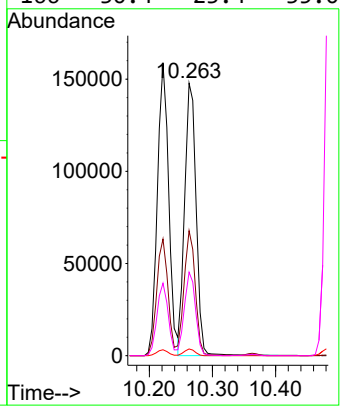


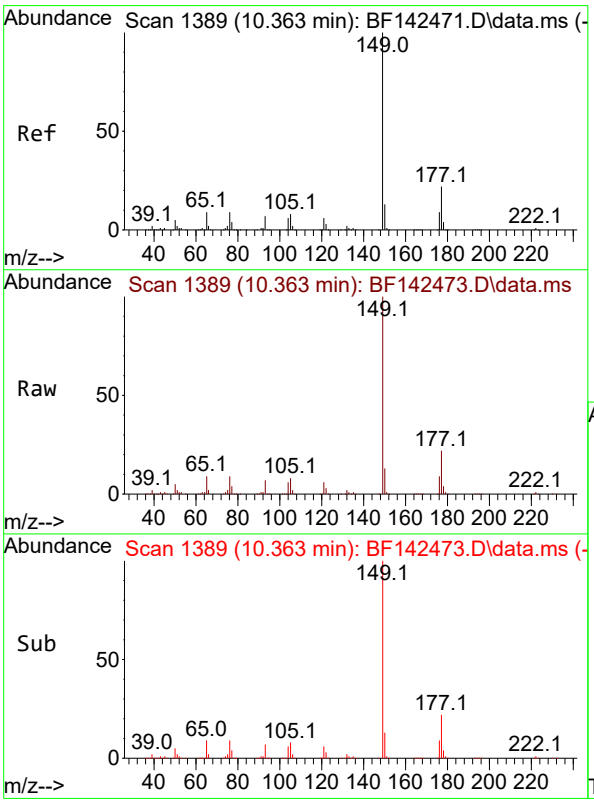
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.609 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 187067

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.2	52.8
130	2.4	1.7	2.5
166	30.4	23.4	35.0

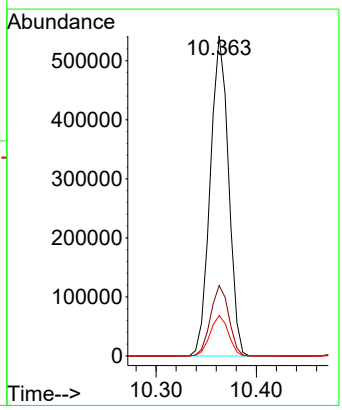


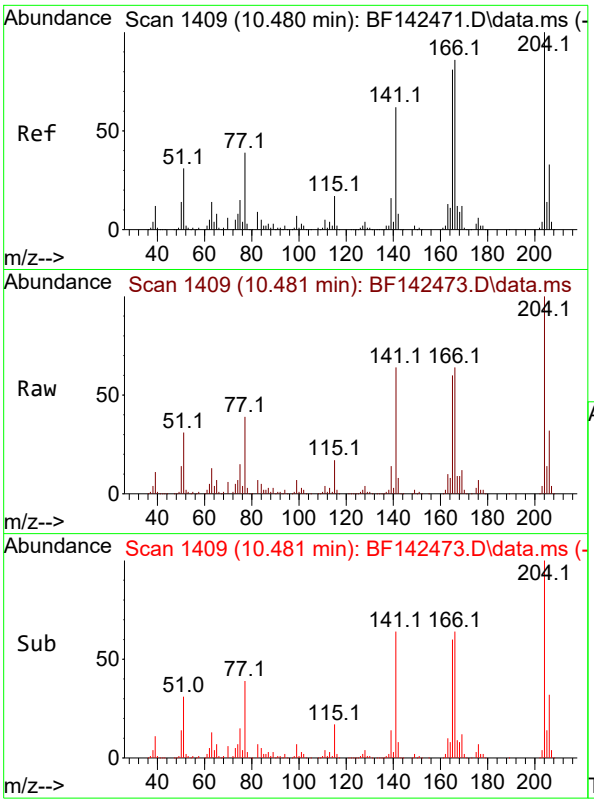


#60
Diethylphthalate
Concen: 56.695 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 684259

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



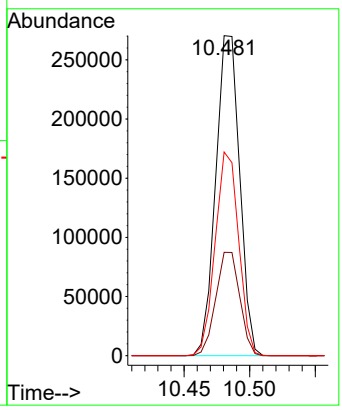


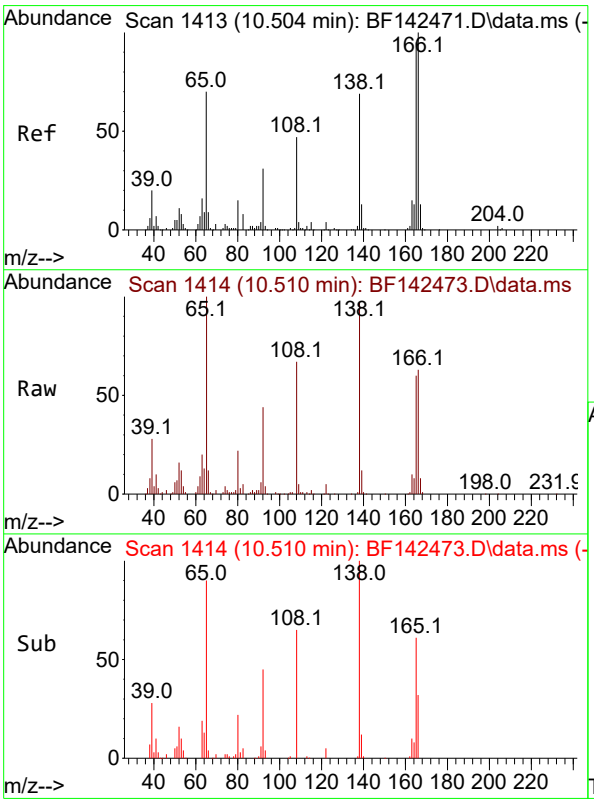
#61
4-Chlorophenyl-phenylether
Concen: 56.880 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 343838

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	63.7	49.5	74.3

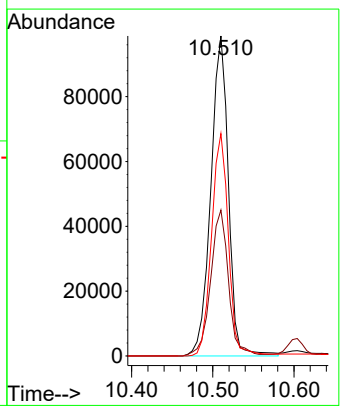


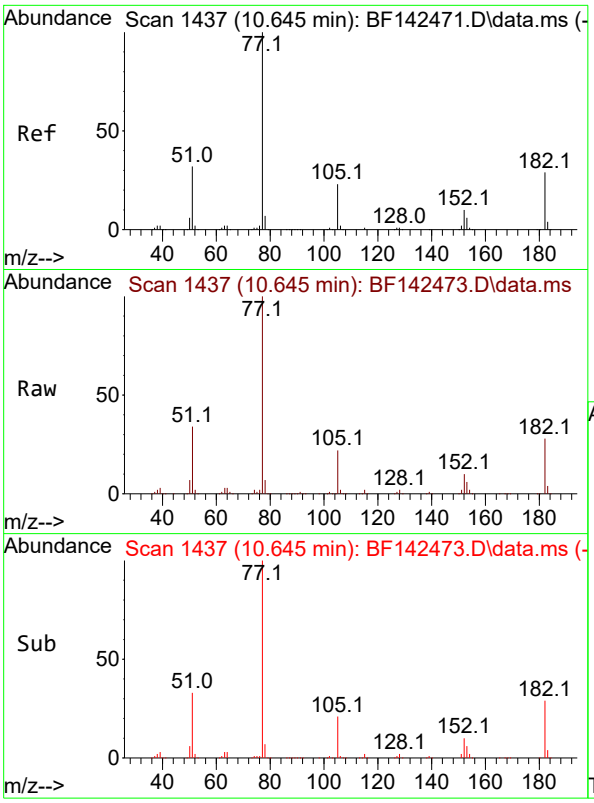


#62
4-Nitroaniline
Concen: 56.302 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:138 Resp: 148755

Ion	Ratio	Lower	Upper
138	100		
92	45.6	26.0	66.0
108	69.5	48.4	88.4



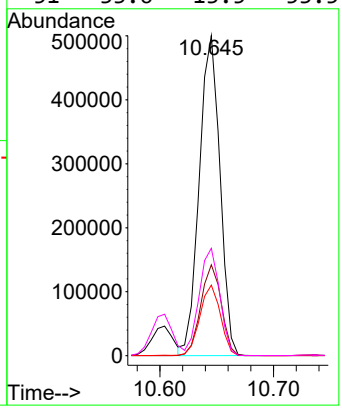


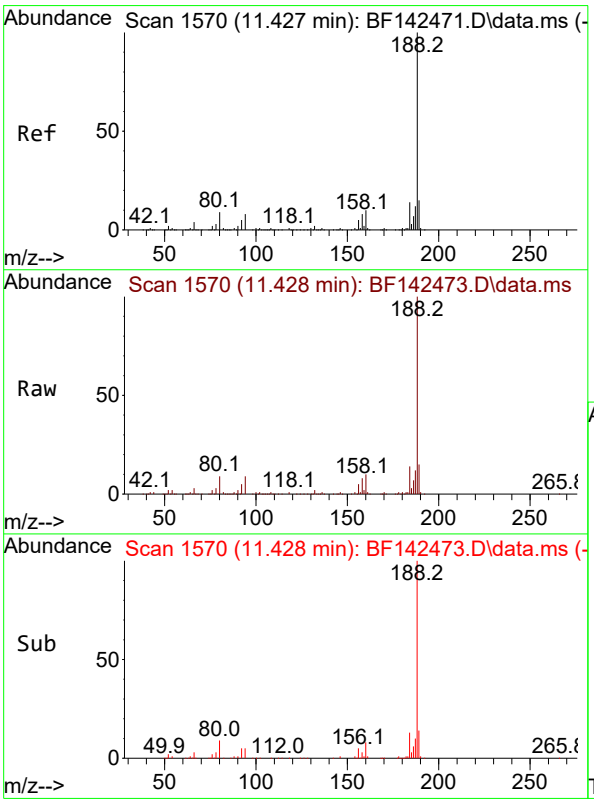
#63
Azobenzene
Concen: 58.221 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 631137

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.0	49.0
105	22.1	2.4	42.4
51	33.6	13.5	53.5

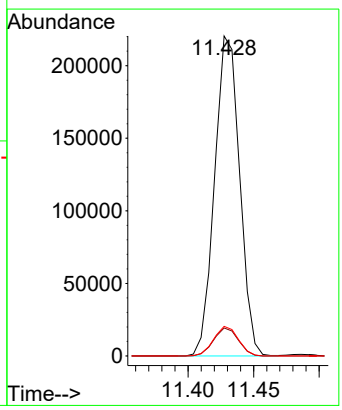


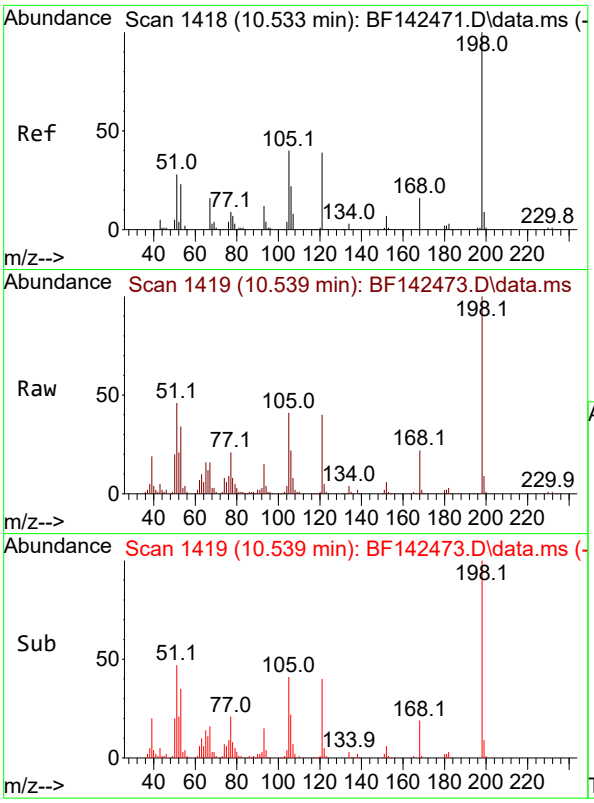


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:188 Resp: 292190

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.4	11.0



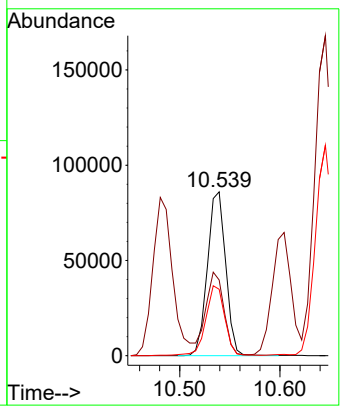


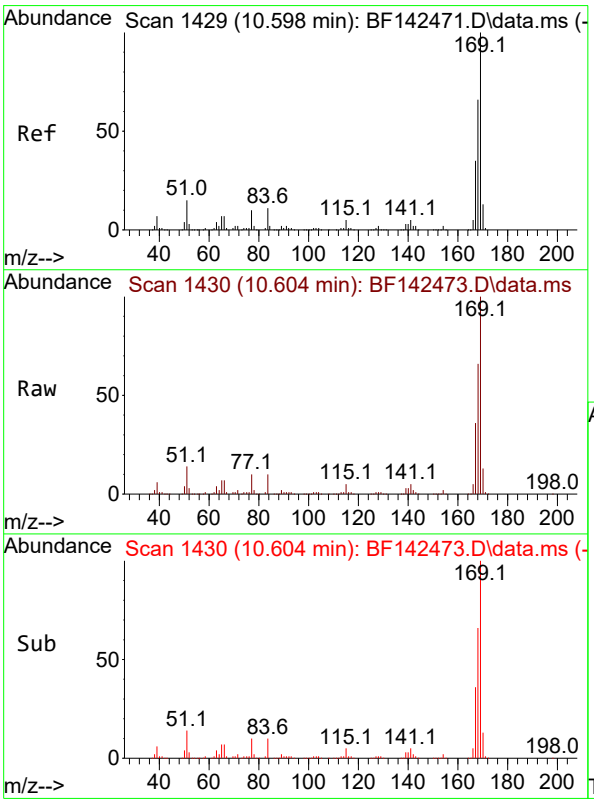
#65
4,6-Dinitro-2-methylphenol
Concen: 66.950 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 109172

Ion	Ratio	Lower	Upper
198	100		
51	46.2	28.3	68.3
105	40.5	21.3	61.3

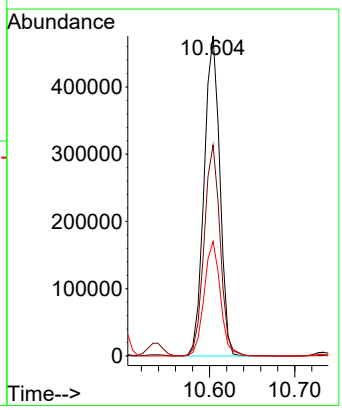


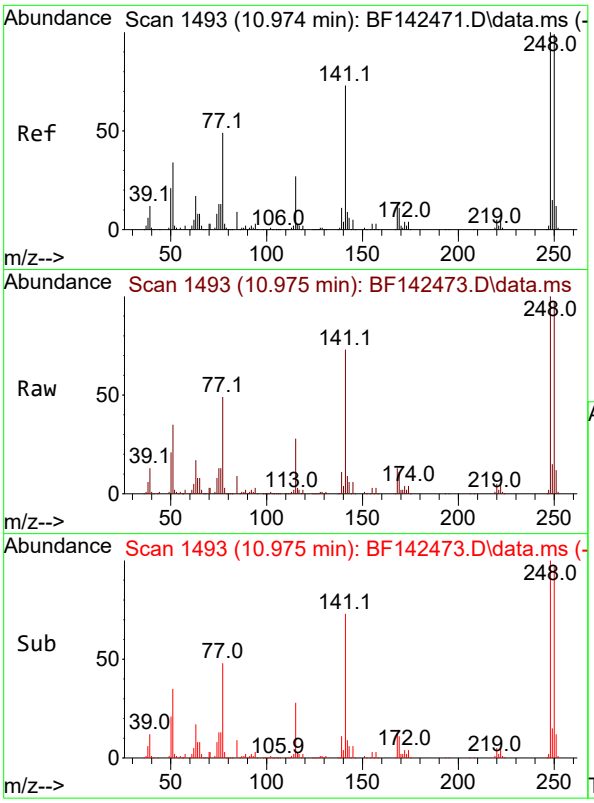


#66
n-Nitrosodiphenylamine
Concen: 60.861 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:169 Resp: 608394

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.8	28.3	42.5



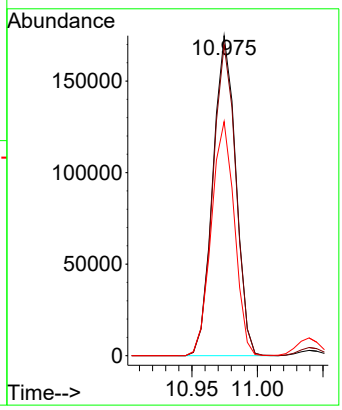


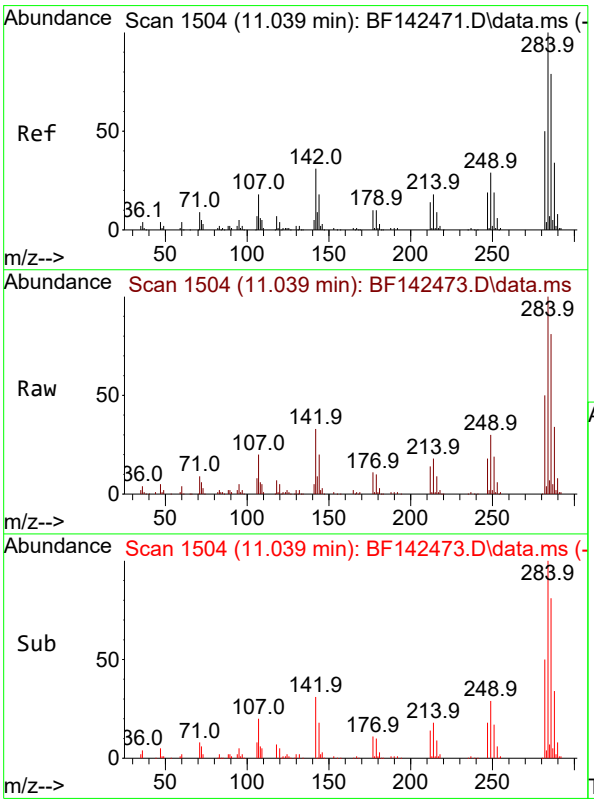
#67
4-Bromophenyl-phenylether
Concen: 61.546 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 212638

Ion	Ratio	Lower	Upper
248	100		
250	97.2	79.0	118.4
141	73.2	58.4	87.6

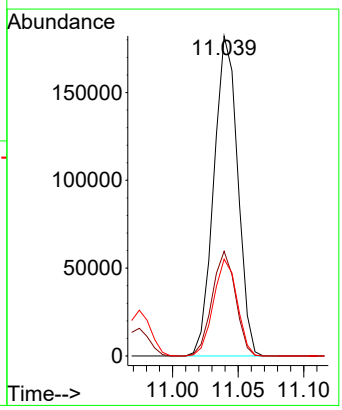


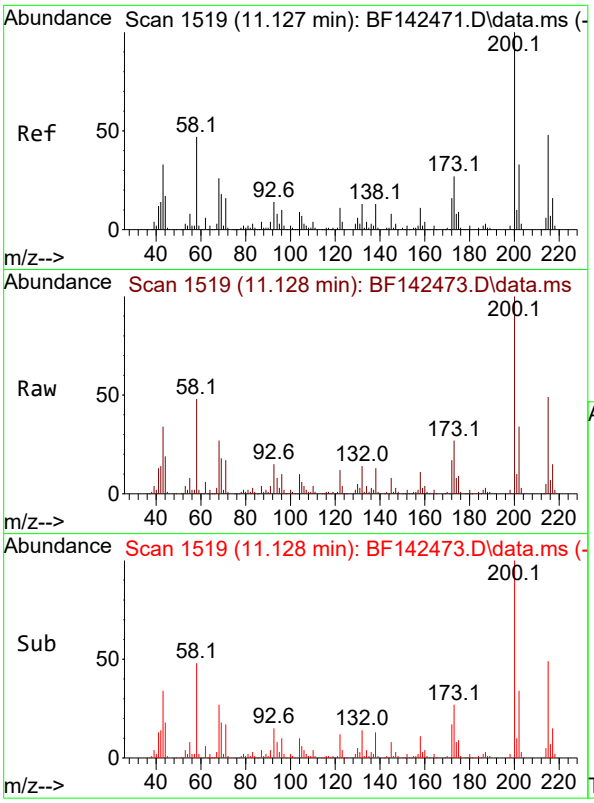


#68
Hexachlorobenzene
Concen: 60.168 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:284 Resp: 229917

Ion	Ratio	Lower	Upper
284	100		
142	32.7	24.8	37.2
249	30.2	23.6	35.4



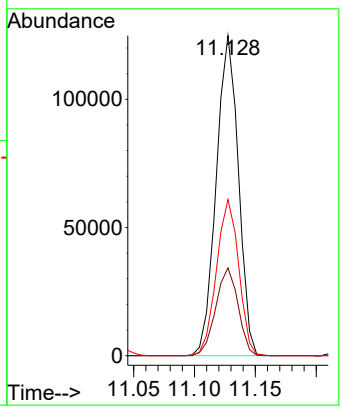


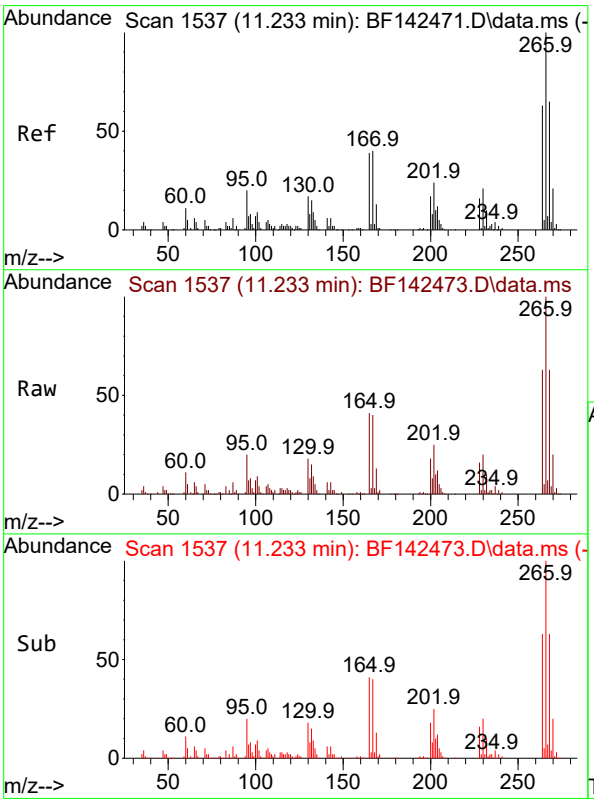
#69
Atrazine
Concen: 59.604 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 158234

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.8	28.5	68.5

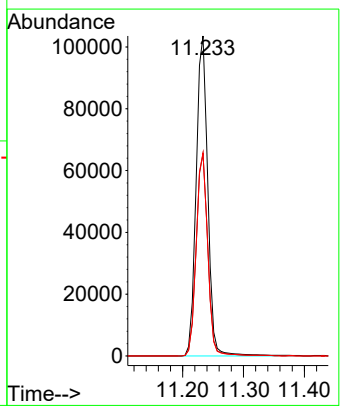


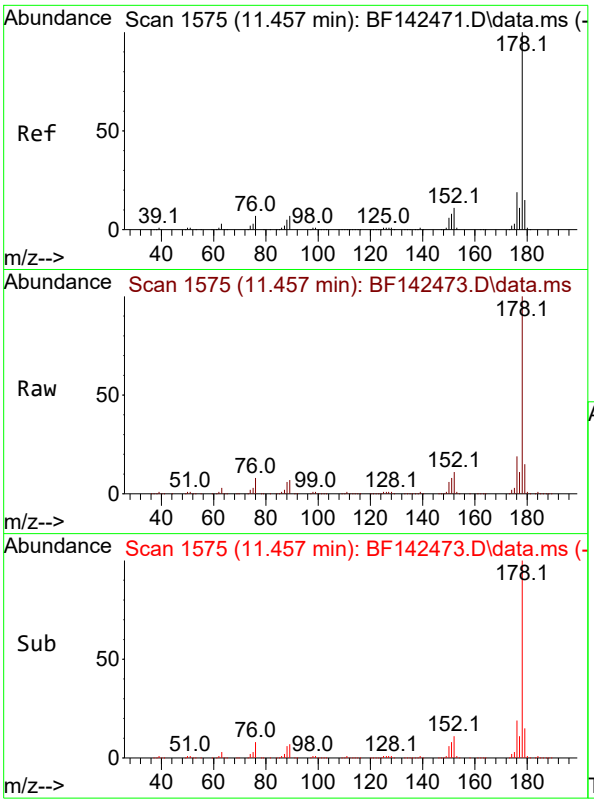


#70
Pentachlorophenol
Concen: 63.663 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:266 Resp: 137347

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.7	77.5
264	63.4	50.4	75.6



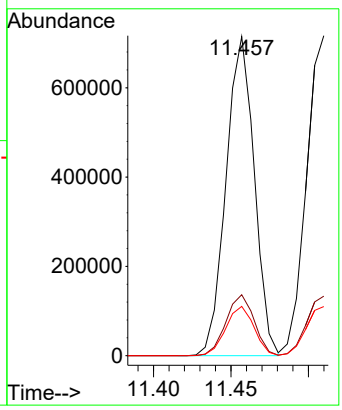


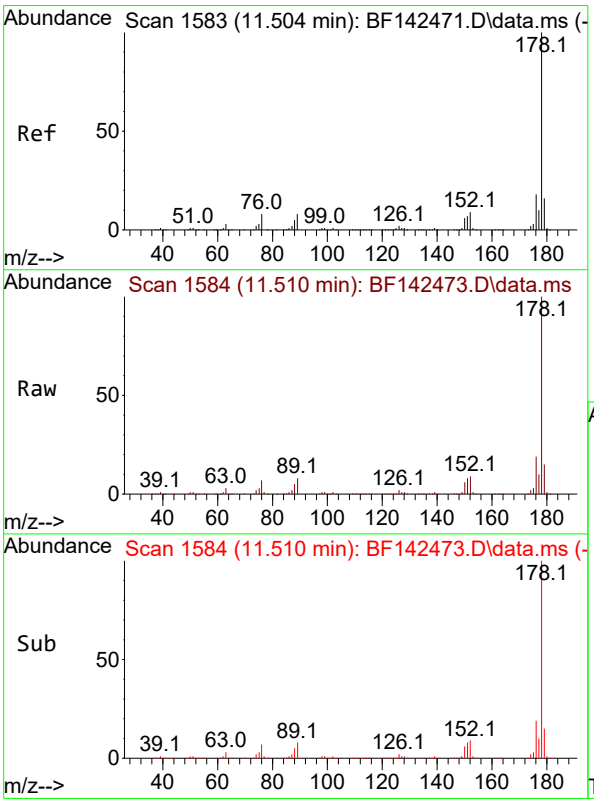
#71
Phenanthrene
Concen: 57.961 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 905073

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.3	18.5

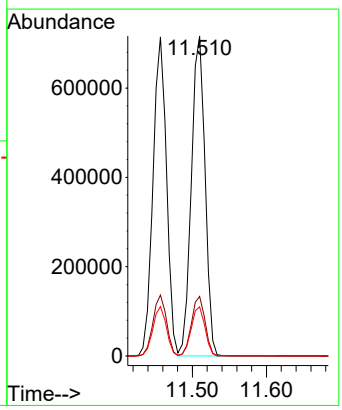


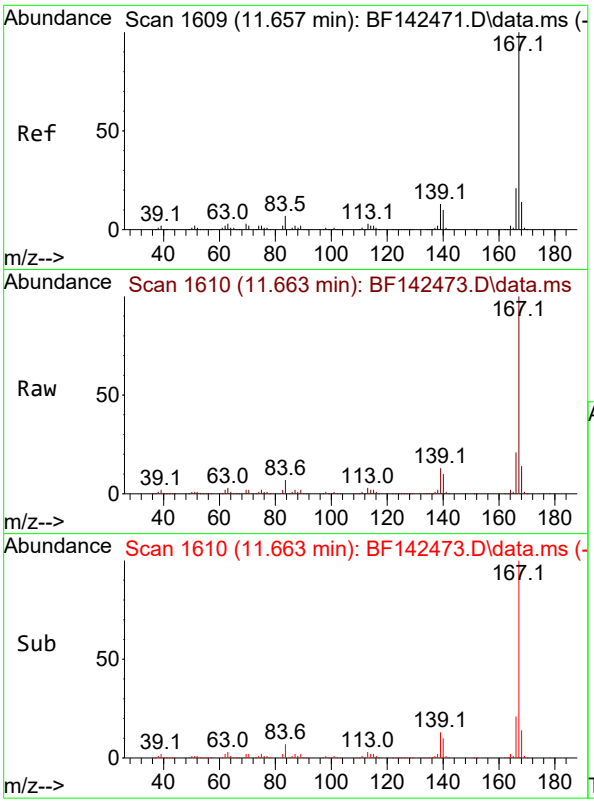


#72
Anthracene
Concen: 57.627 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:178 Resp: 918369

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	12.4	18.6



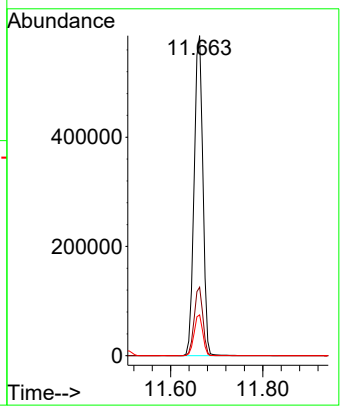


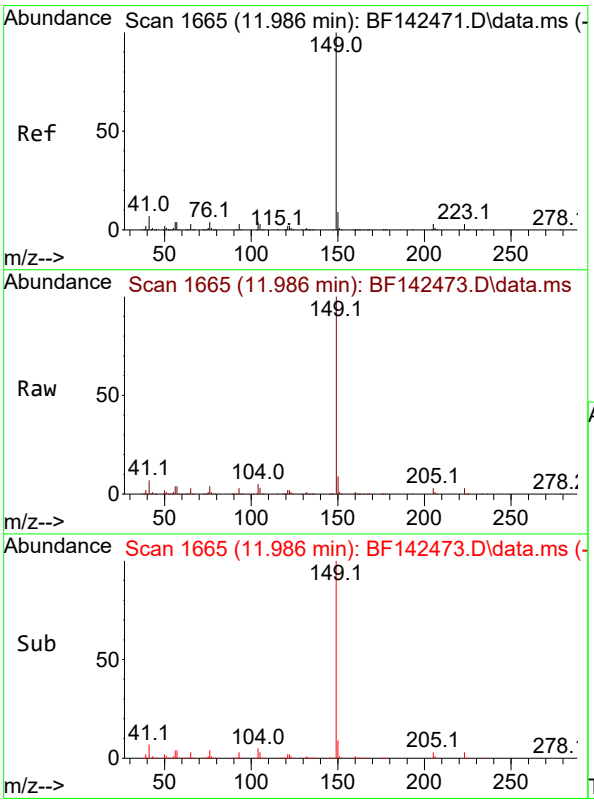
#73
Carbazole
Concen: 56.455 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 769151

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	12.8	10.2	15.4

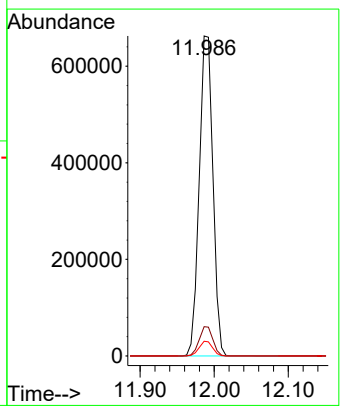


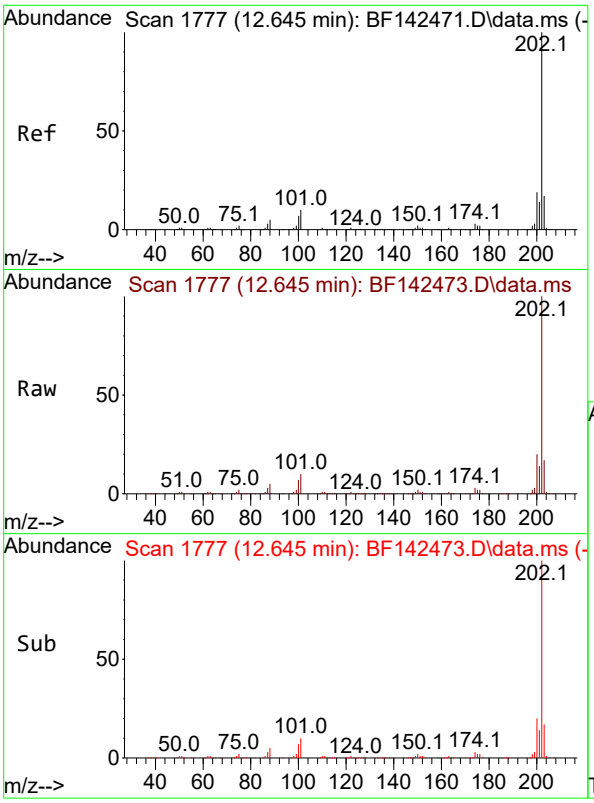


#74
Di-n-butylphthalate
Concen: 57.234 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 853524

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.6	3.6	5.4



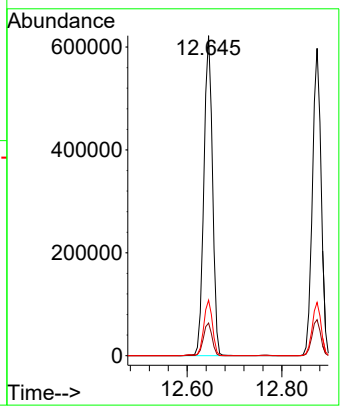


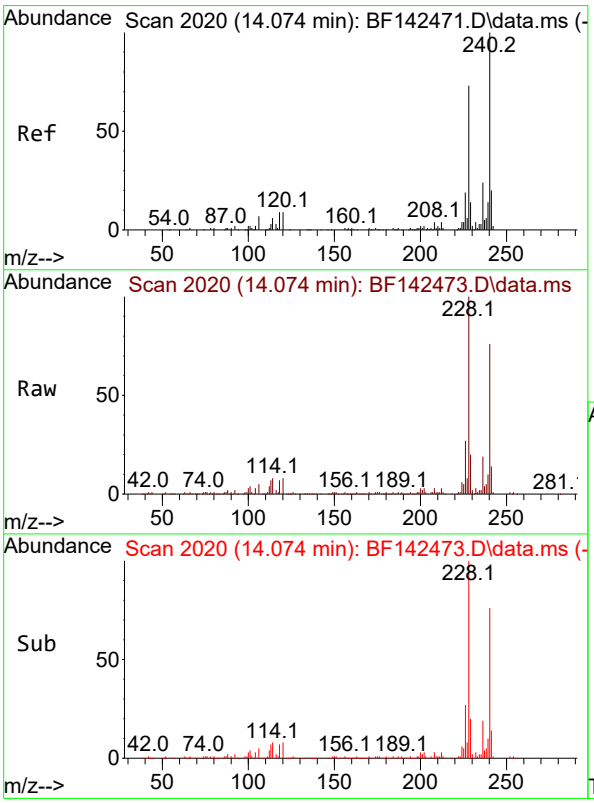
#75
Fluoranthene
Concen: 54.112 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 789533

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.6
203	17.3	0.0	37.2

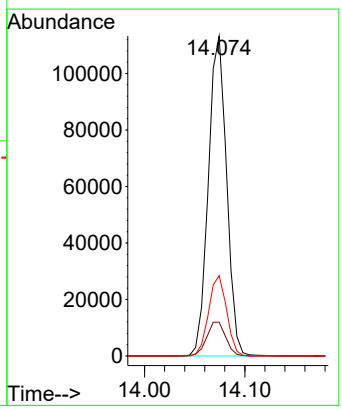


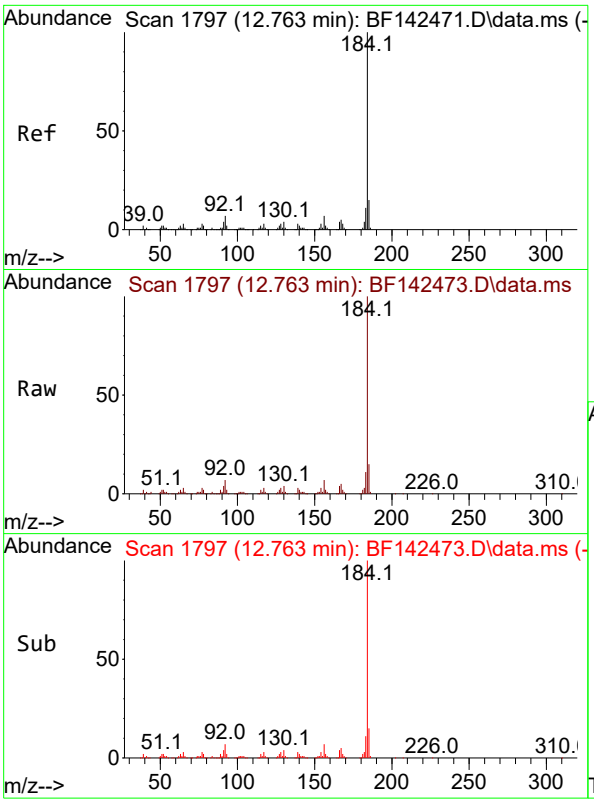


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:240 Resp: 143579

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.5	11.3
236	25.1	19.6	29.4



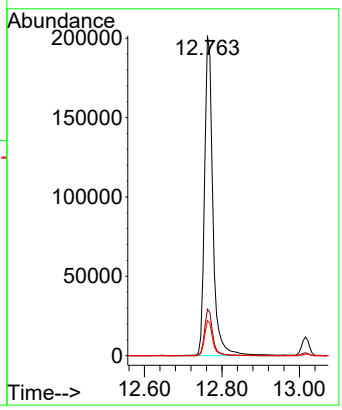


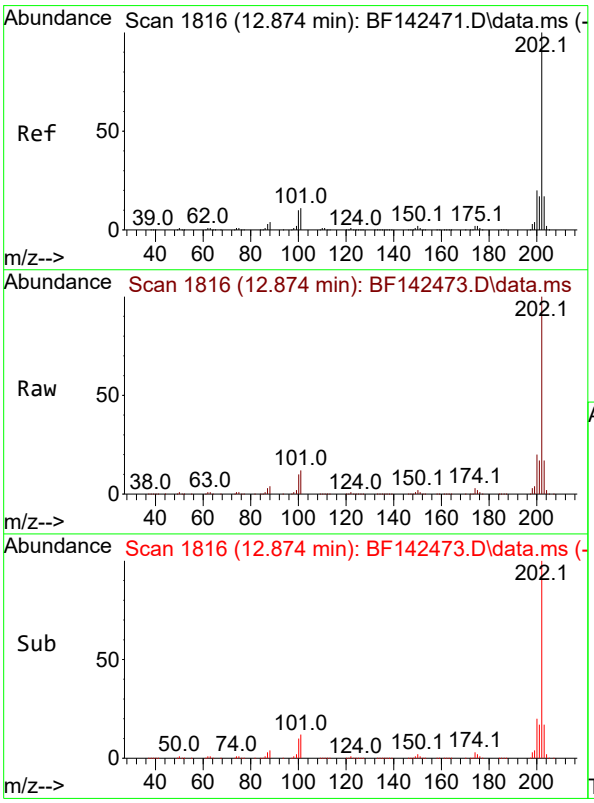
#77
Benzidine
Concen: 56.251 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 300547

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.0	9.0	13.4

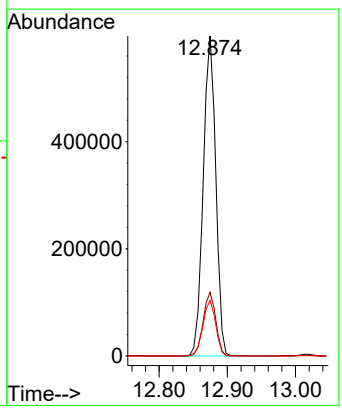


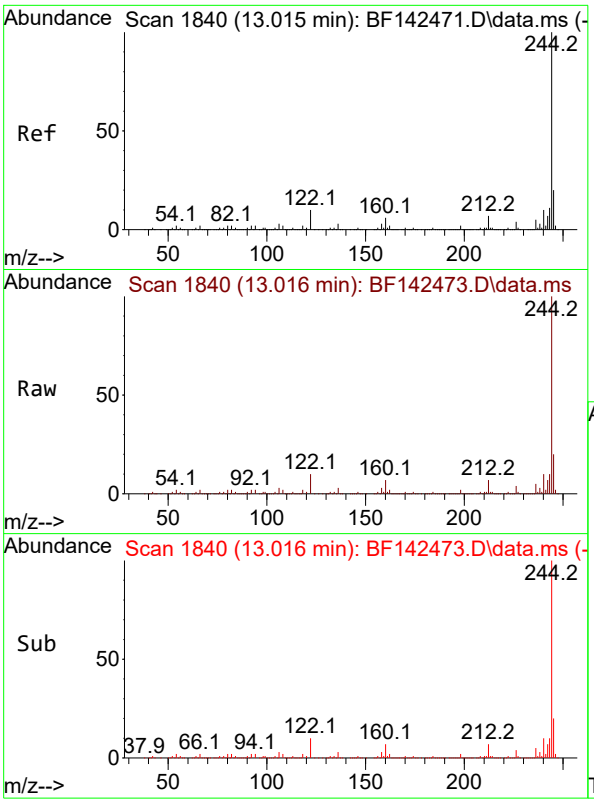


#78
Pyrene
Concen: 57.017 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:202 Resp: 763672

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.4	13.9	20.9



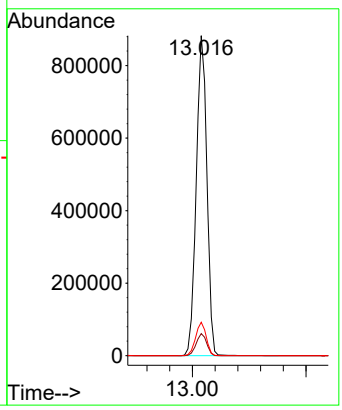


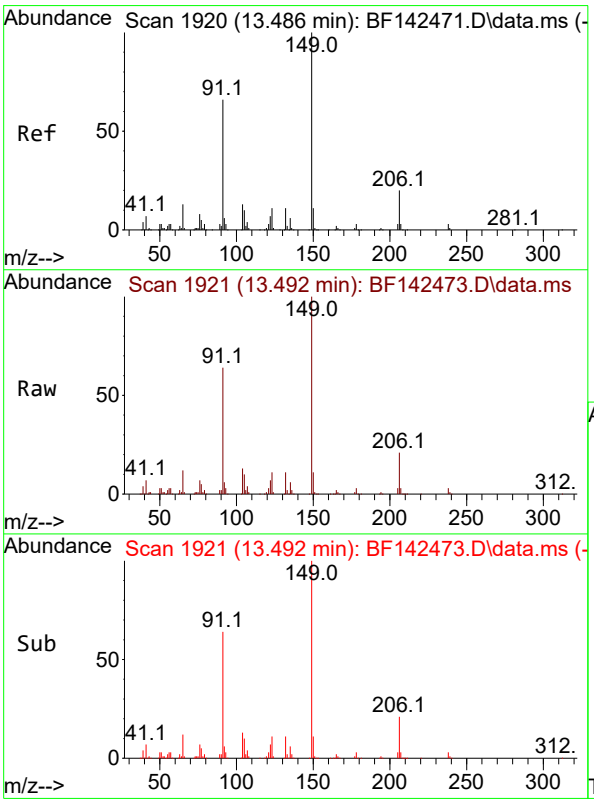
#79
Terphenyl-d14
Concen: 109.634 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1151893

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.3	7.9
122	10.4	8.2	12.2

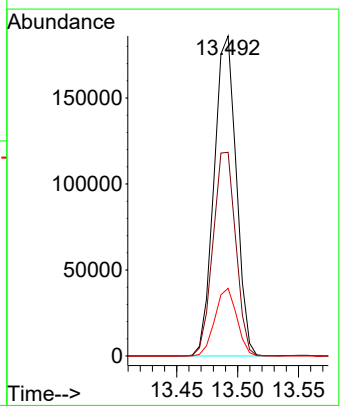


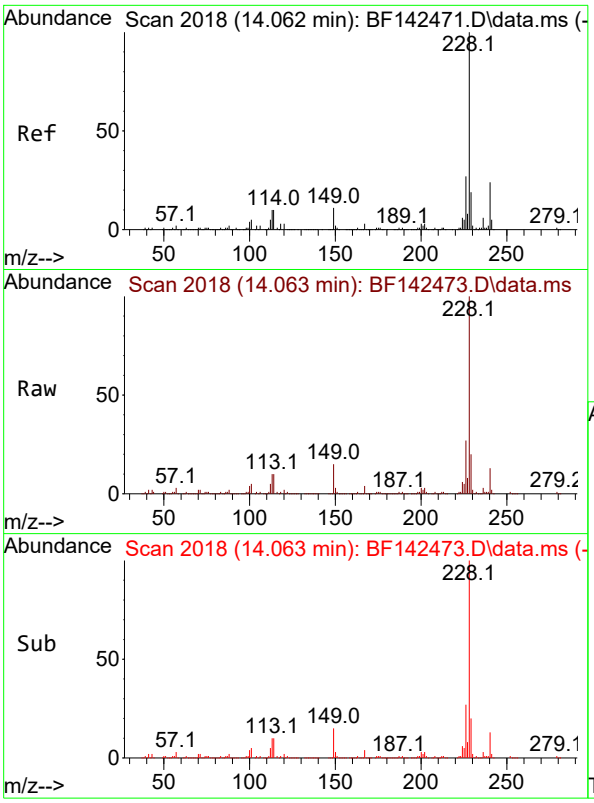


#80
Butylbenzylphthalate
Concen: 63.972 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 236758

Ion	Ratio	Lower	Upper
149	100		
91	63.7	52.9	79.3
206	21.2	16.2	24.2



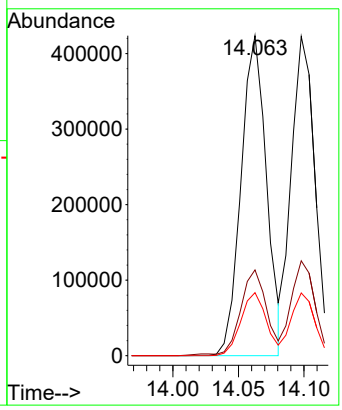


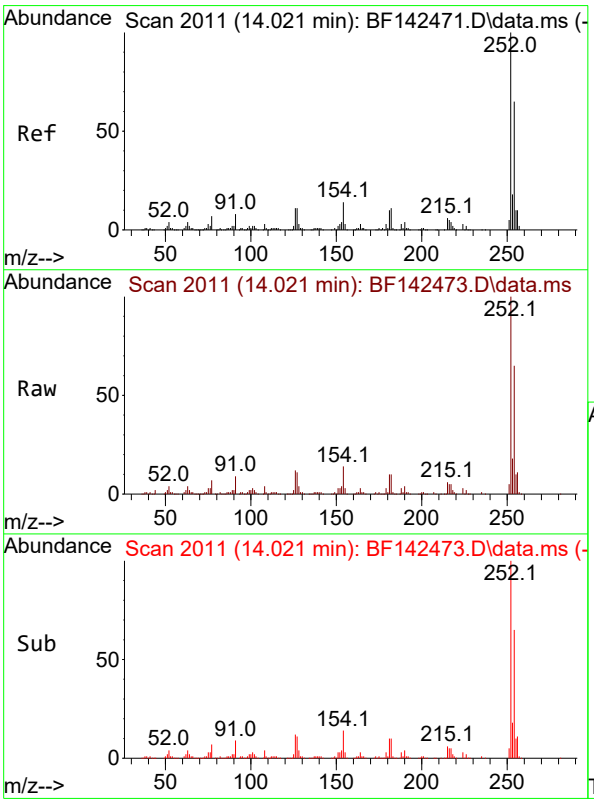
#81
Benzo(a)anthracene
Concen: 59.620 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 571607

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.2	31.8
229	19.7	15.5	23.3

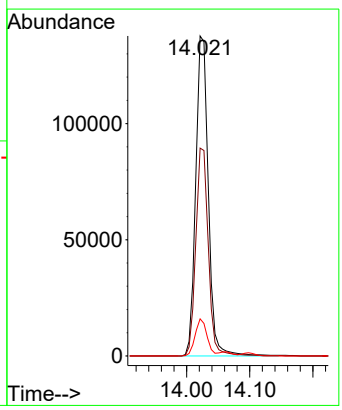


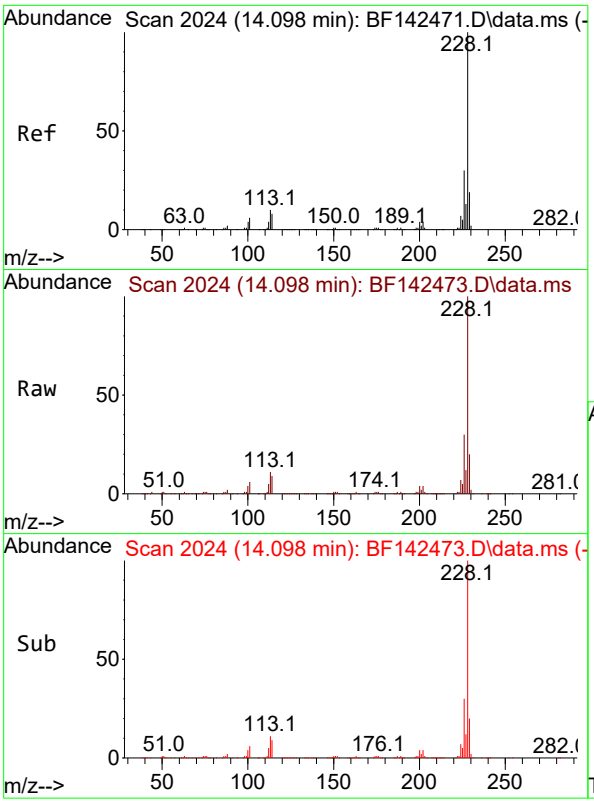


#82
3,3'-Dichlorobenzidine
Concen: 65.480 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 190415

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.6	8.9	13.3



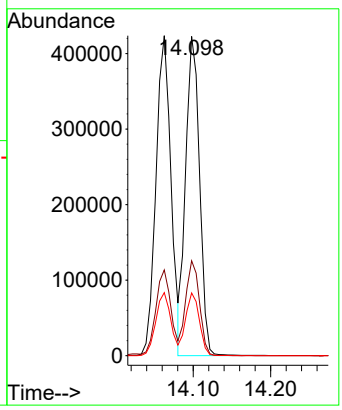


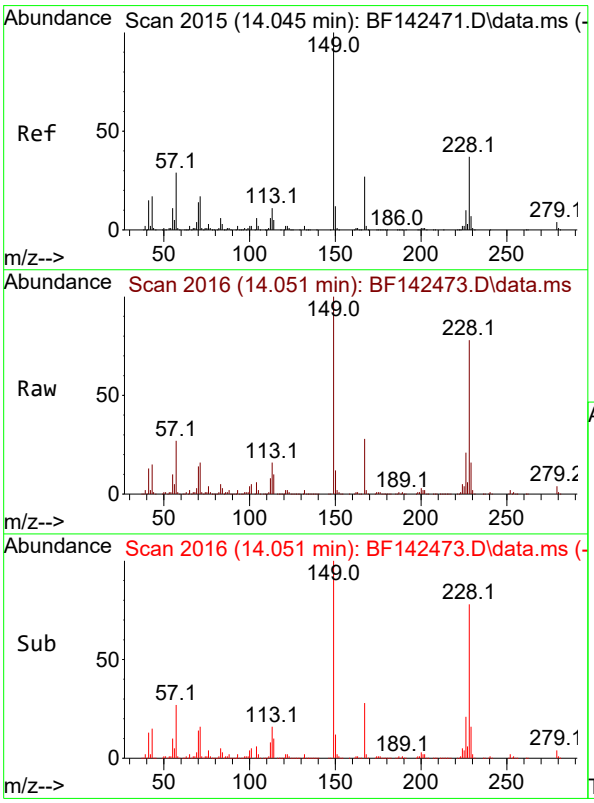
#83
Chrysene
Concen: 61.153 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 526831

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.6	15.4	23.2

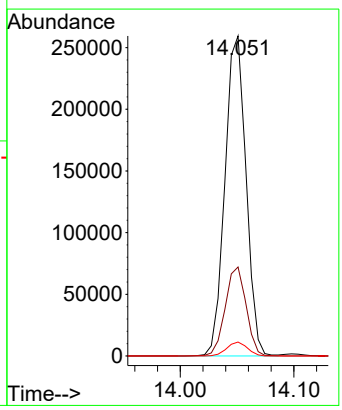


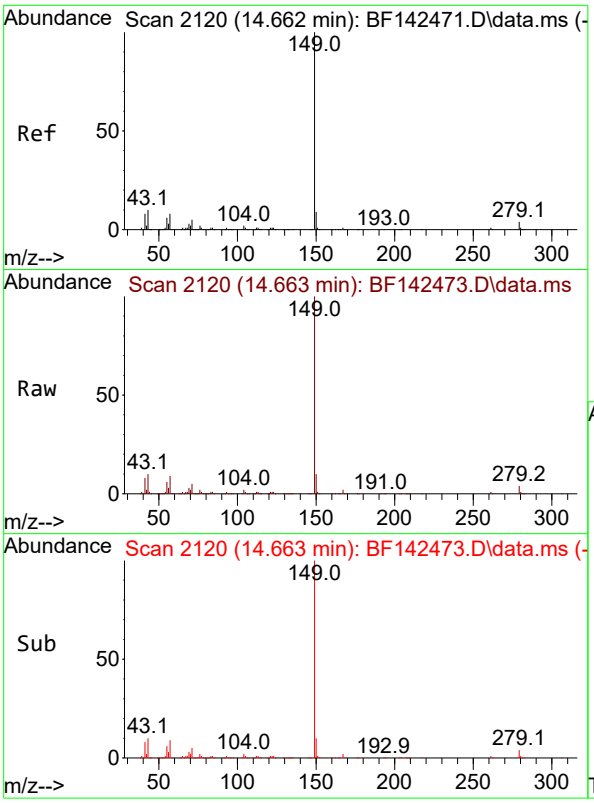


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.698 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:149 Resp: 334950

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.5	32.3
279	4.4	3.2	4.8



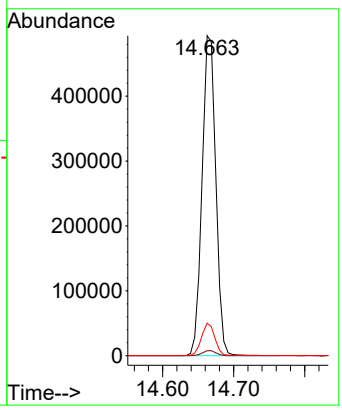


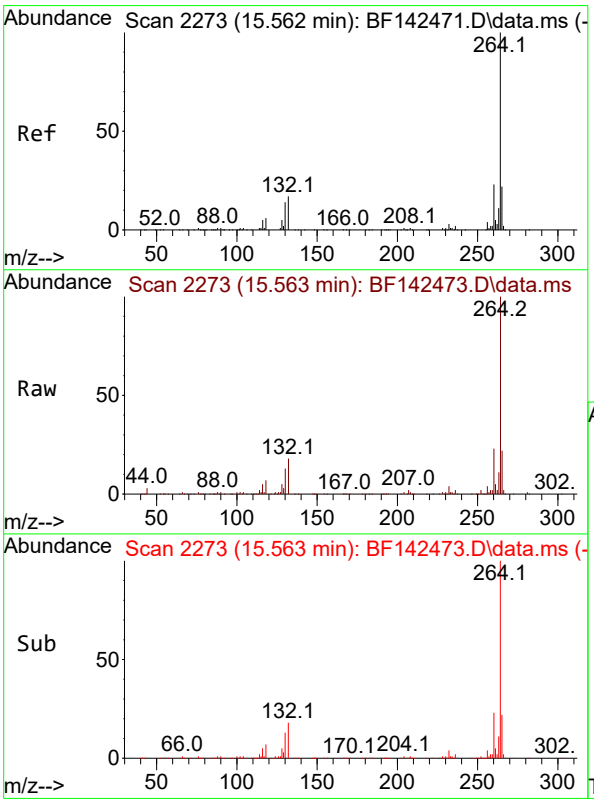
#85
Di-n-octyl phthalate
Concen: 71.701 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.005 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 664220

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

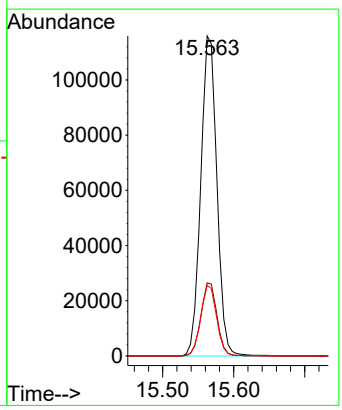


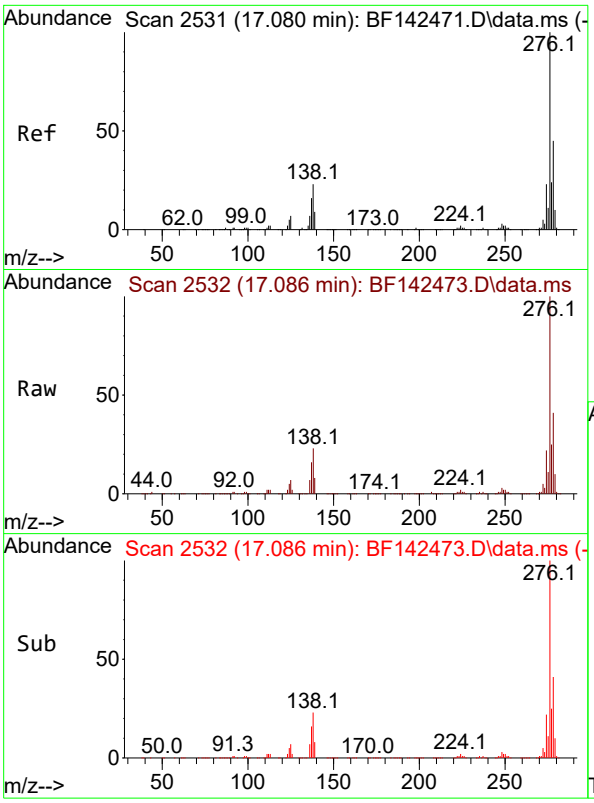


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:264 Resp: 183052

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	22.0	17.7	26.5



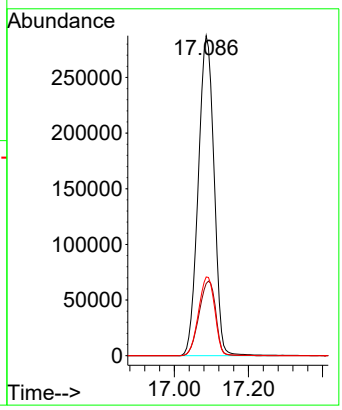


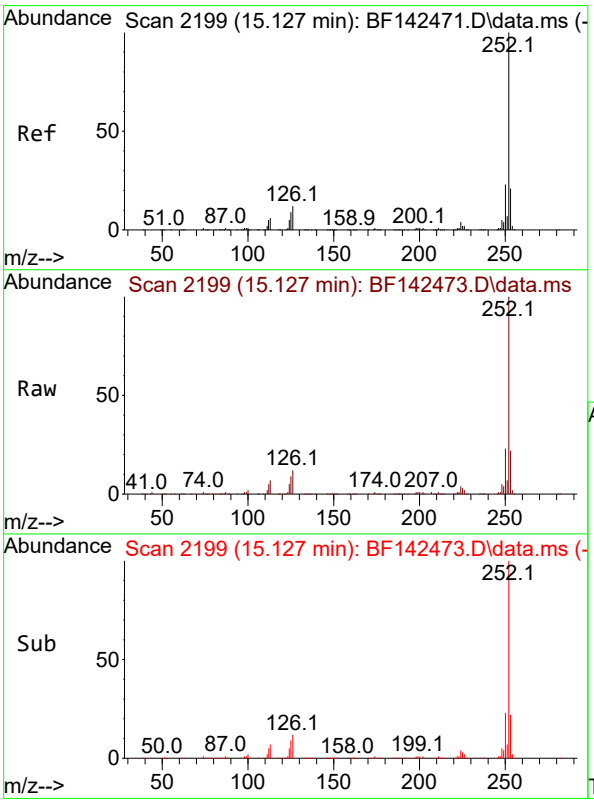
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.761 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 848752

Ion	Ratio	Lower	Upper
276	100		
138	24.6	19.9	29.9
277	25.3	20.2	30.2

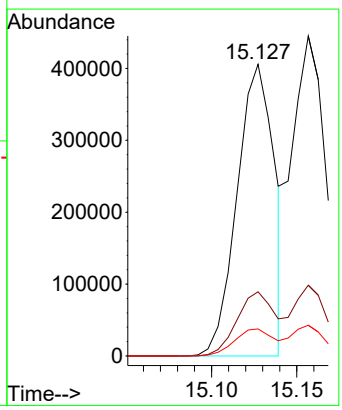


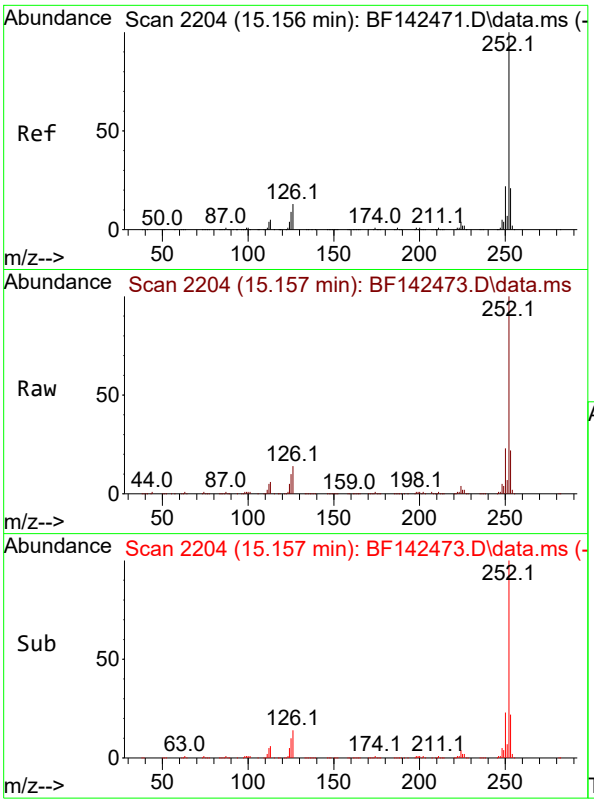


#88
Benzo(b)fluoranthene
Concen: 56.878 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 616210

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	9.3	7.4	11.0



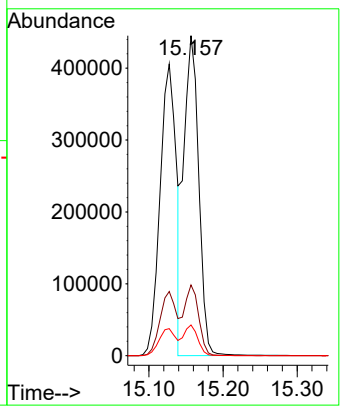


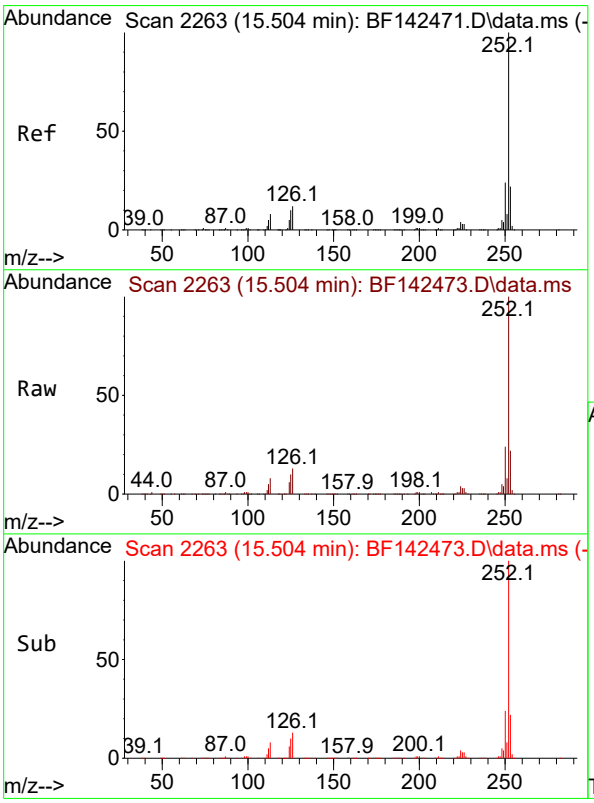
#89
Benzo(k)fluoranthene
Concen: 61.068 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 619660

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	9.6	7.3	10.9

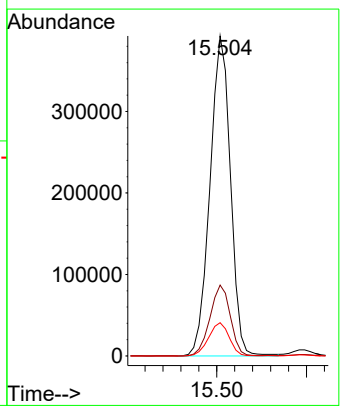


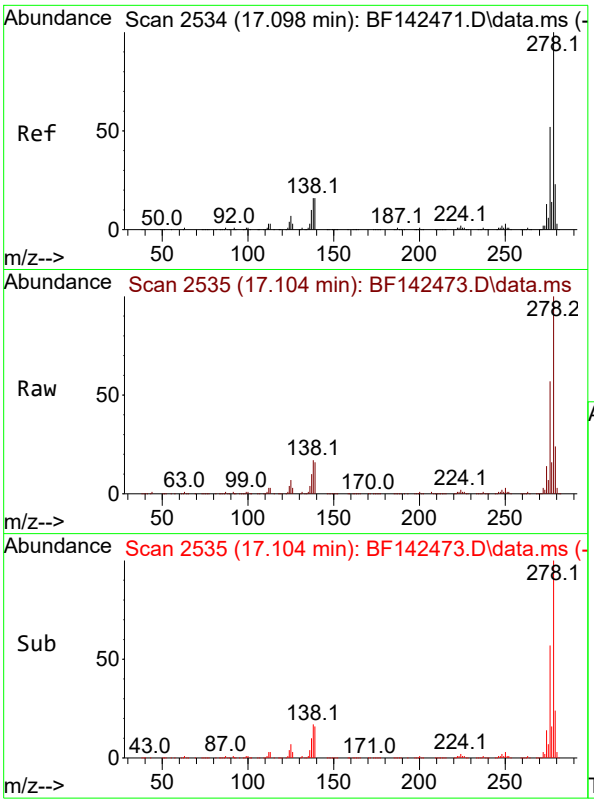


#90
Benzo(a)pyrene
Concen: 60.943 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:252 Resp: 622347

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.4	7.9	11.9



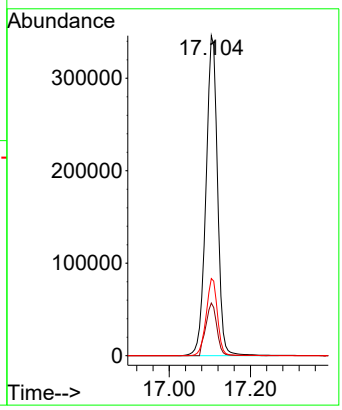


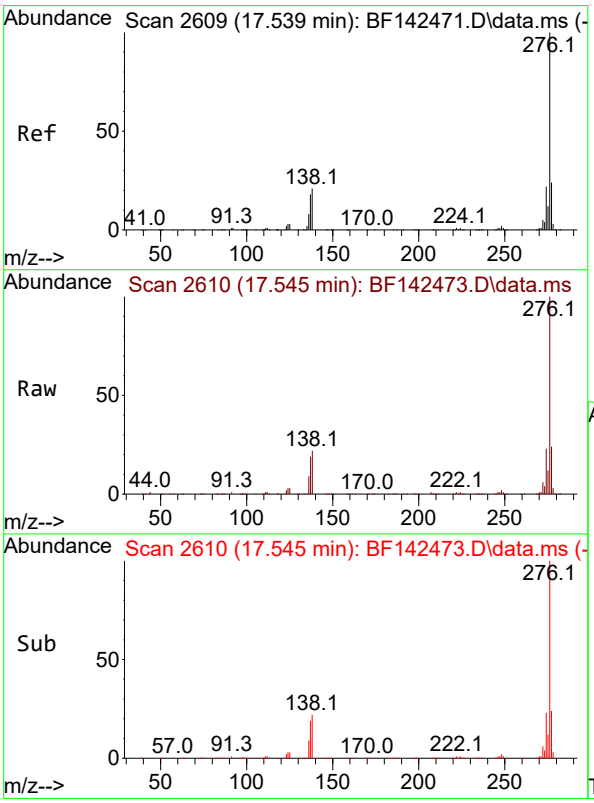
#91
Dibenzo(a,h)anthracene
Concen: 61.321 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 683473

Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.8	19.2
279	24.1	18.6	28.0

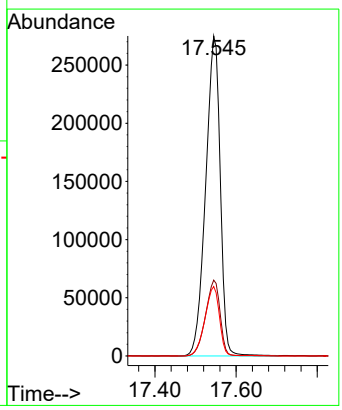




#92
Benzo(g,h,i)perylene
Concen: 61.313 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.012 min
Lab File: BF142473.D
Acq: 20 May 2025 15:03

Tgt Ion:276 Resp: 683528

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.7	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	92899	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	358380	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	188198	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	287337	20.000	ng		0.00
76) Chrysene-d12	14.074	240	154555	20.000	ng		0.00
86) Perylene-d12	15.568	264	196342	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	815861	147.959	ng		0.00
7) Phenol-d6	6.534	99	986649	148.644	ng		0.00
23) Nitrobenzene-d5	7.475	82	993768	151.205	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	304807	145.927	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	1908541	136.080	ng		0.00
79) Terphenyl-d14	13.015	244	1392704	123.140	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	169363	76.756	ng		100
3) Pyridine	3.440	79	442247	78.706	ng		98
4) n-Nitrosodimethylamine	3.404	42	230814	79.114	ng		97
6) Aniline	6.569	93	671713	75.263	ng		99
8) 2-Chlorophenol	6.686	128	454577	75.687	ng		98
9) Benzaldehyde	6.451	77	219574	54.999	ng		97
10) Phenol	6.551	94	552574	73.985	ng		87
11) bis(2-Chloroethyl)ether	6.639	93	410501	76.354	ng		100
12) 1,3-Dichlorobenzene	6.845	146	489261	73.004	ng		100
13) 1,4-Dichlorobenzene	6.922	146	495948	73.465	ng		99
14) 1,2-Dichlorobenzene	7.075	146	477210	73.875	ng		100
15) Benzyl Alcohol	7.045	79	381381	77.750	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	663576	73.497	ng		99
17) 2-Methylphenol	7.151	107	358569	76.467	ng		99
18) Hexachloroethane	7.416	117	177426	75.267	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	304362	73.987	ng		97
20) 3+4-Methylphenols	7.310	107	426933	71.097	ng		94
22) Acetophenone	7.316	105	571777	72.072	ng	#	95
24) Nitrobenzene	7.492	77	452330	76.309	ng		98
25) Isophorone	7.733	82	838652	76.321	ng		99
26) 2-Nitrophenol	7.804	139	248427	78.434	ng		99
27) 2,4-Dimethylphenol	7.839	122	422403	75.623	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	513063	74.744	ng		98
29) 2,4-Dichlorophenol	8.045	162	381590	75.121	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	406857	73.801	ng		98
31) Naphthalene	8.210	128	1277048	72.369	ng		99
32) Benzoic acid	7.975	122	288731	84.918	ng		99
33) 4-Chloroaniline	8.257	127	492168	68.830	ng		100
34) Hexachlorobutadiene	8.328	225	252445	73.338	ng		98
35) Caprolactam	8.645	113	109232	76.565	ng		100
36) 4-Chloro-3-methylphenol	8.739	107	388740	74.674	ng		99
37) 2-Methylnaphthalene	8.898	142	796463	71.742	ng		100
38) 1-Methylnaphthalene	8.998	142	811747	70.689	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	409177	75.740	ng		100
41) Hexachlorocyclopentadiene	9.051	237	309537	84.936	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	285072	78.254	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

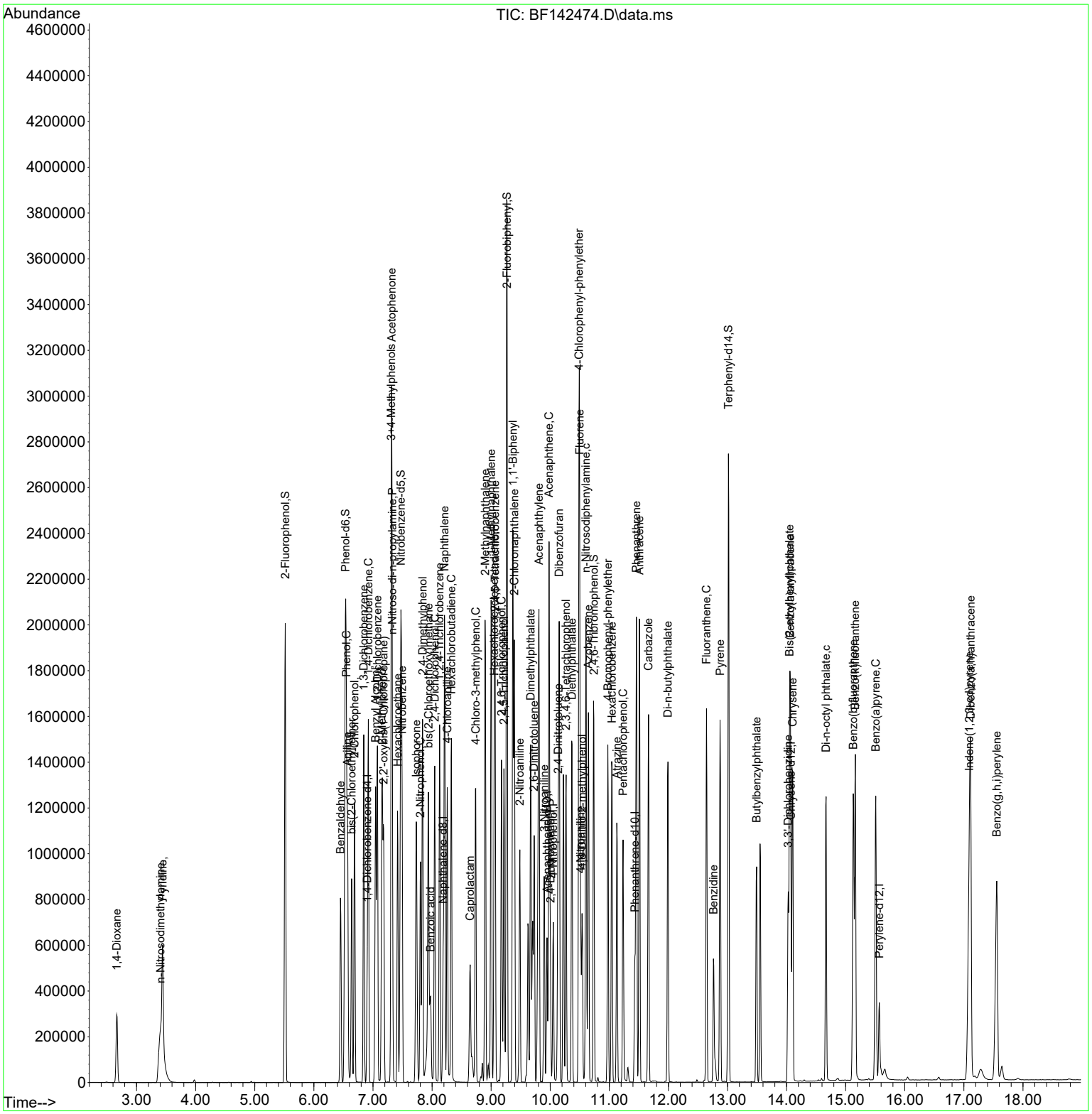
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	287041	74.712	ng	99
46) 1,1'-Biphenyl	9.369	154	1059787	72.584	ng	100
47) 2-Chloronaphthalene	9.392	162	798539	74.024	ng	99
48) 2-Nitroaniline	9.486	65	241162	77.343	ng	99
49) Acenaphthylene	9.810	152	1313668	72.118	ng	99
50) Dimethylphthalate	9.669	163	911534	73.405	ng	100
51) 2,6-Dinitrotoluene	9.727	165	201545	75.198	ng	96
52) Acenaphthene	9.980	154	810811	72.896	ng	100
53) 3-Nitroaniline	9.898	138	216422	73.930	ng	100
54) 2,4-Dinitrophenol	10.004	184	119082	85.999	ng	94
55) Dibenzofuran	10.151	168	1136276	70.990	ng	99
56) 4-Nitrophenol	10.051	139	165537	76.638	ng	99
57) 2,4-Dinitrotoluene	10.133	165	259035	74.005	ng	99
58) Fluorene	10.498	166	857882	69.377	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	238382	74.324	ng	99
60) Diethylphthalate	10.369	149	858326	70.773	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	426386	70.193	ng	99
62) 4-Nitroaniline	10.516	138	188782	71.105	ng	98
63) Azobenzene	10.645	77	794029	72.893	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	141863	88.468	ng	99
66) n-Nitrosodiphenylamine	10.604	169	758366	77.145	ng	99
67) 4-Bromophenyl-phenylether	10.974	248	264739	77.920	ng	98
68) Hexachlorobenzene	11.045	284	287676	76.555	ng	98
69) Atrazine	11.127	200	199929	76.581	ng	99
70) Pentachlorophenol	11.233	266	177504	83.666	ng	99
71) Phenanthrene	11.457	178	1107683	72.134	ng	100
72) Anthracene	11.510	178	1144182	73.009	ng	99
73) Carbazole	11.663	167	956069	71.360	ng	99
74) Di-n-butylphthalate	11.992	149	1043468	71.153	ng	100
75) Fluoranthene	12.645	202	972105	67.750	ng	99
77) Benzidine	12.763	184	343909	59.795	ng	100
78) Pyrene	12.874	202	931844	64.632	ng	100
80) Butylbenzylphthalate	13.492	149	319716	80.252	ng	98
81) Benzo(a)anthracene	14.062	228	765441	74.167	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	257542	82.274	ng	99
83) Chrysene	14.104	228	715970	77.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	449654	88.168	ng	99
85) Di-n-octyl phthalate	14.668	149	888230	89.073	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	1126401	76.417	ng	100
88) Benzo(b)fluoranthene	15.127	252	874640	75.267	ng	98
89) Benzo(k)fluoranthene	15.162	252	803775	73.850	ng	99
90) Benzo(a)pyrene	15.509	252	833783	76.121	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	902757	75.513	ng	99
92) Benzo(g,h,i)perylene	17.556	276	909649	76.073	ng	99

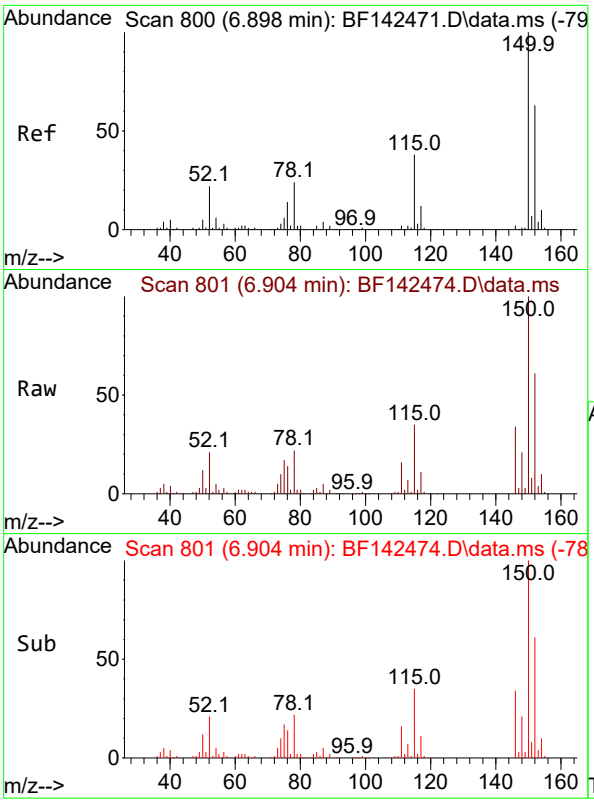
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142474.D
Acq On : 20 May 2025 15:31
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 20 16:55:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



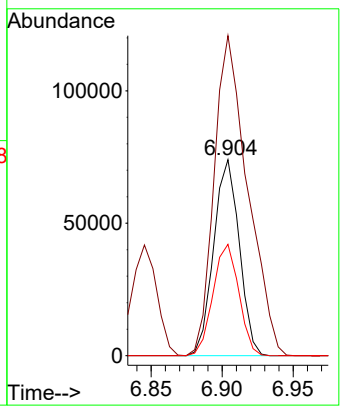


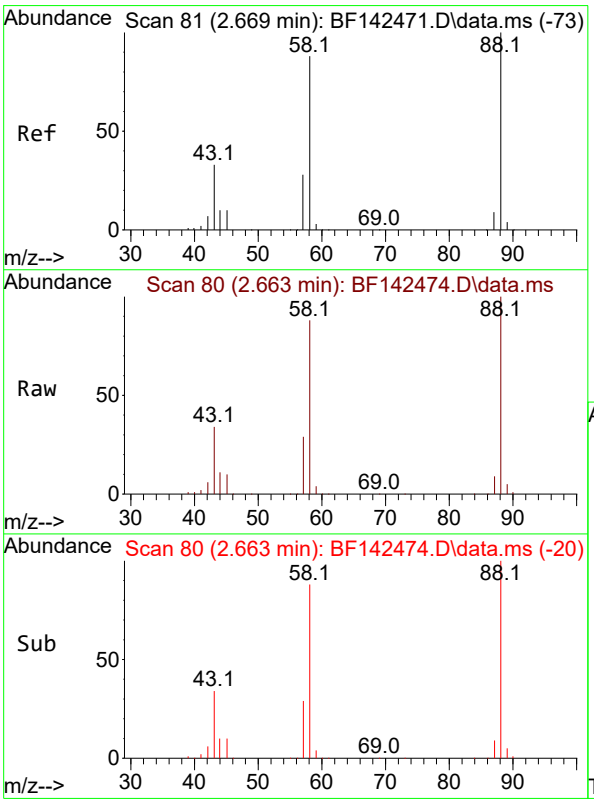
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 92899

Ion	Ratio	Lower	Upper
152	100		
150	163.3	128.2	192.4
115	56.9	48.3	72.5

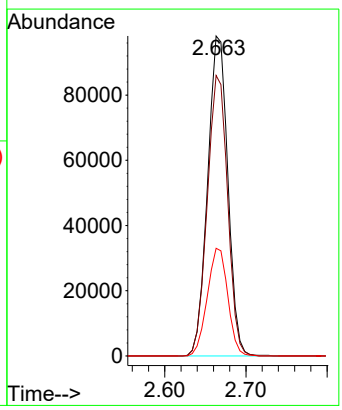


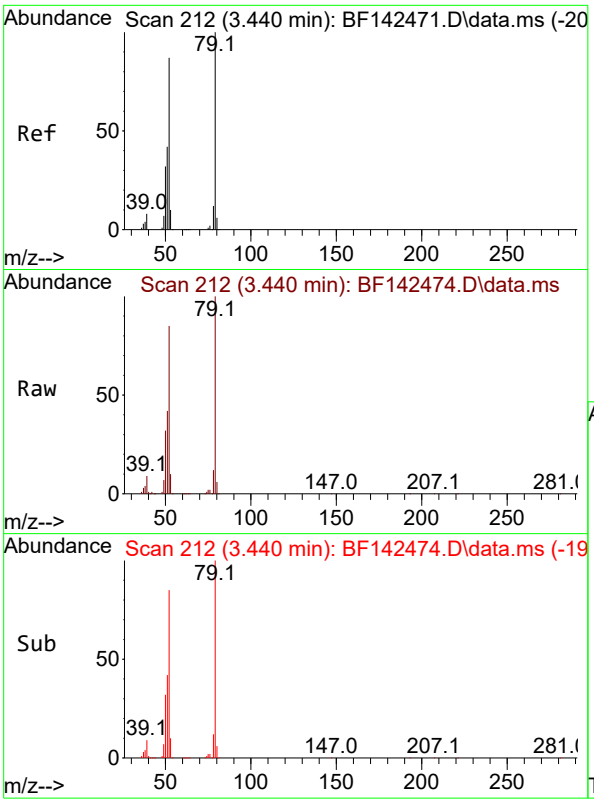


#2
1,4-Dioxane
Concen: 76.756 ng
RT: 2.663 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 88 Resp: 169363

Ion	Ratio	Lower	Upper
88	100		
58	88.4	70.8	106.2
43	34.1	26.6	40.0



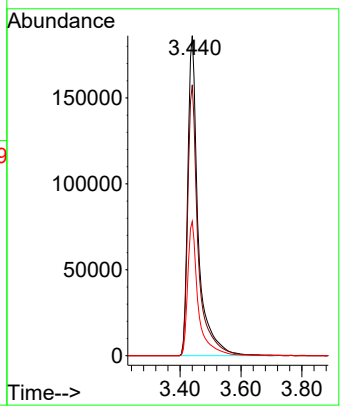


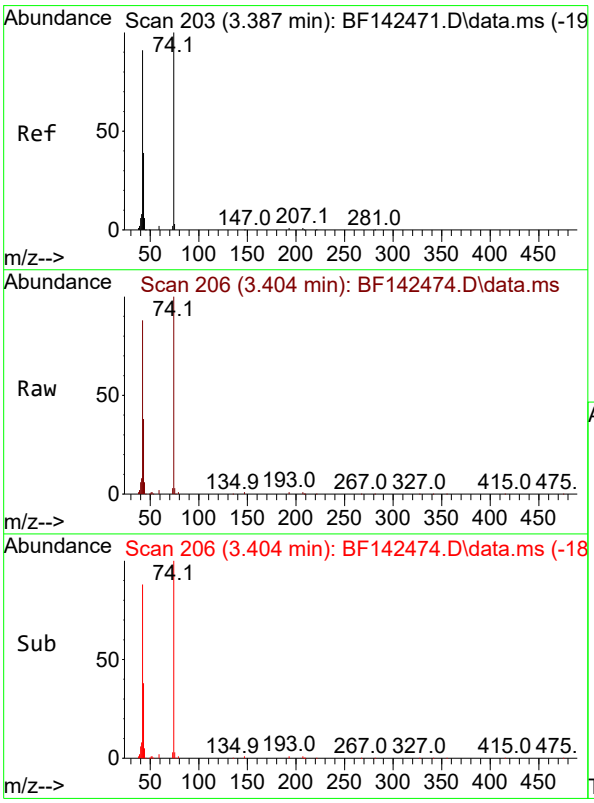
#3
Pyridine
Concen: 78.706 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 442247

Ion	Ratio	Lower	Upper
79	100		
52	84.6	69.2	103.8
51	42.0	33.3	49.9

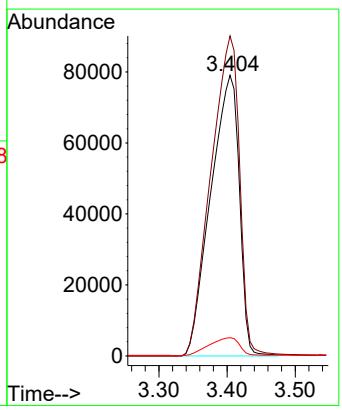


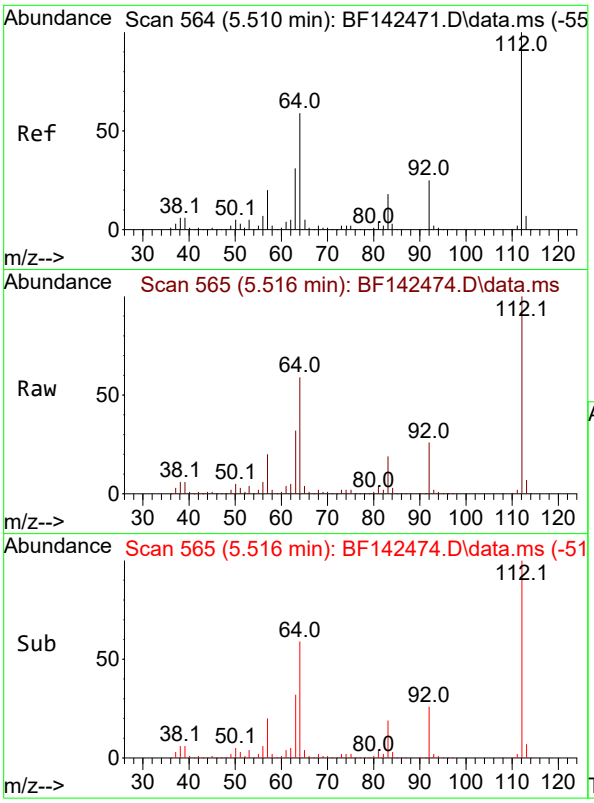


#4
n-Nitrosodimethylamine
Concen: 79.114 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 42 Resp: 230814

Ion	Ratio	Lower	Upper
42	100		
74	114.0	88.2	132.4
44	6.5	5.4	8.2



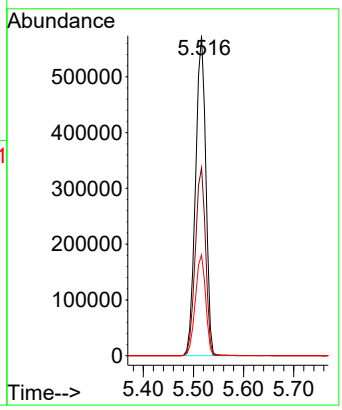


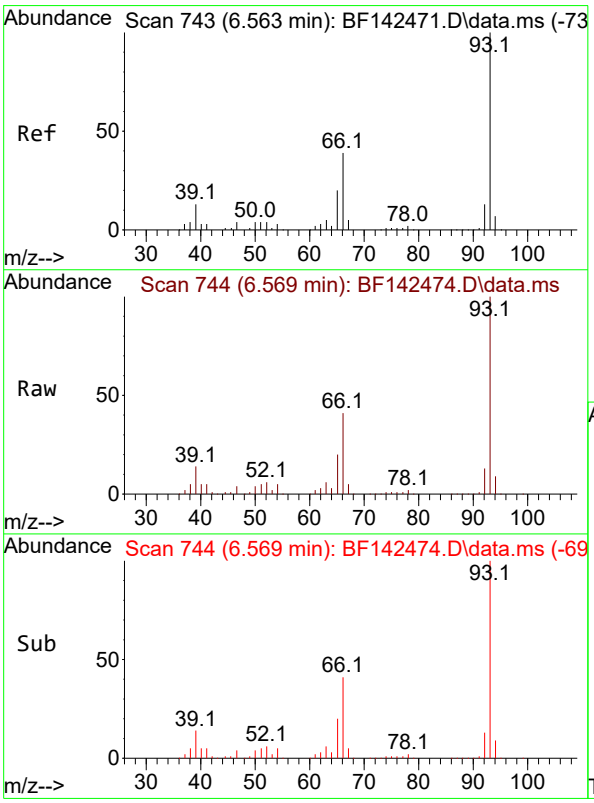
#5
2-Fluorophenol
Concen: 147.959 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 815861

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.5	71.3
63	31.5	24.9	37.3

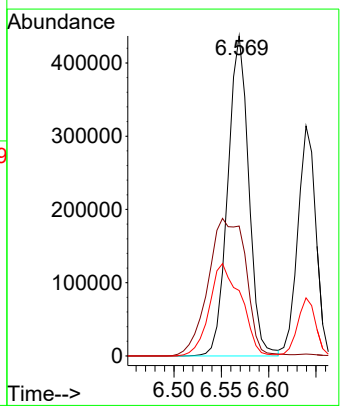


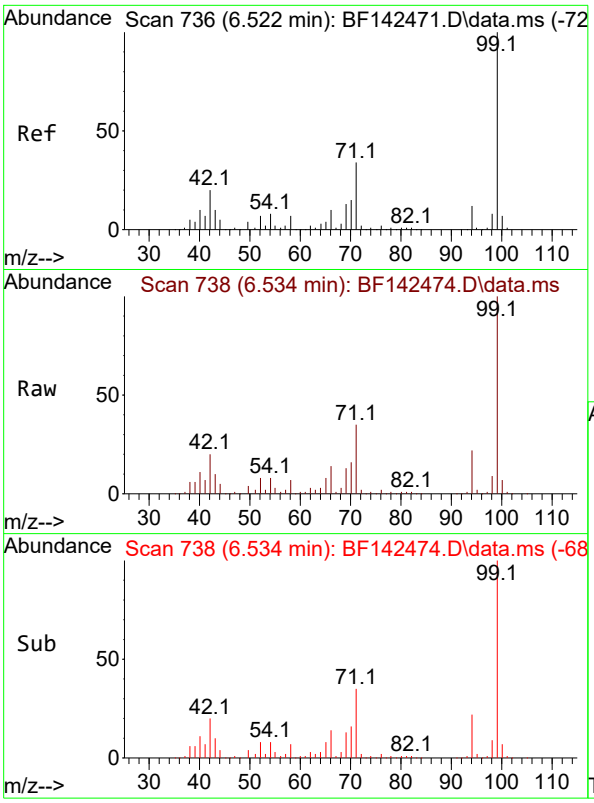


#6
Aniline
Concen: 75.263 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 93 Resp: 671713

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.0	48.0
65	20.5	16.1	24.1



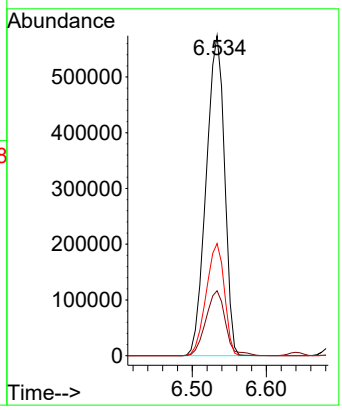


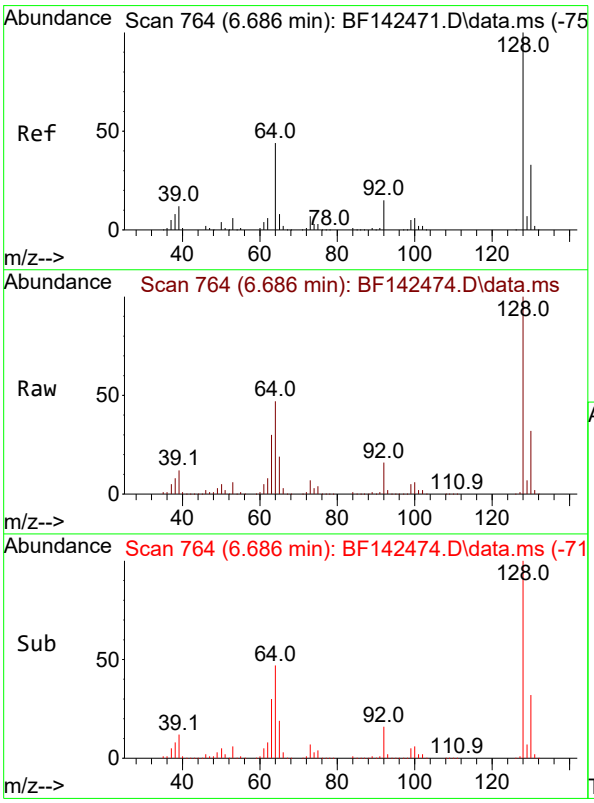
#7
Phenol-d6
Concen: 148.644 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 986649

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.2	24.2
71	35.1	27.3	40.9

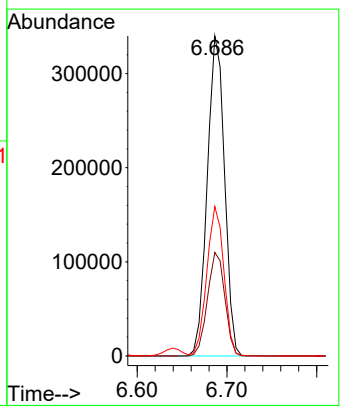


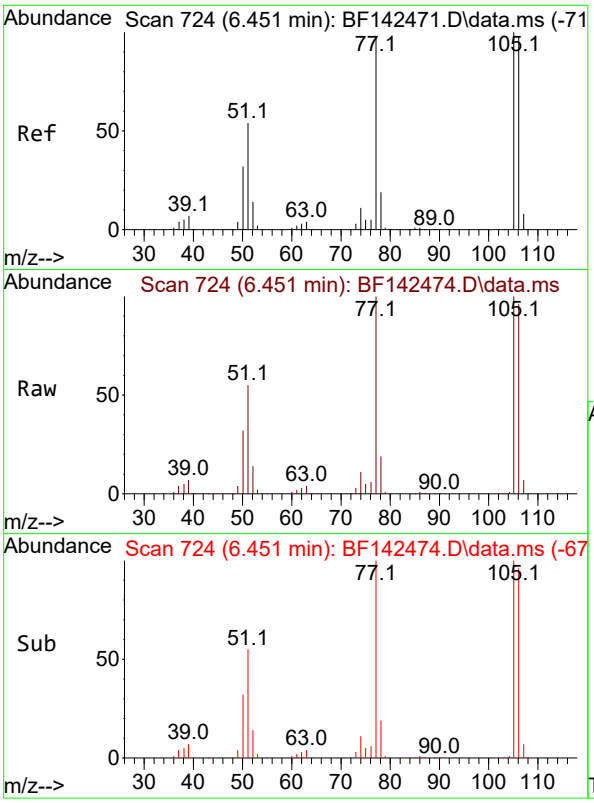


#8
2-Chlorophenol
Concen: 75.687 ng
RT: 6.686 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:128 Resp: 454577

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	46.7	25.1	65.1



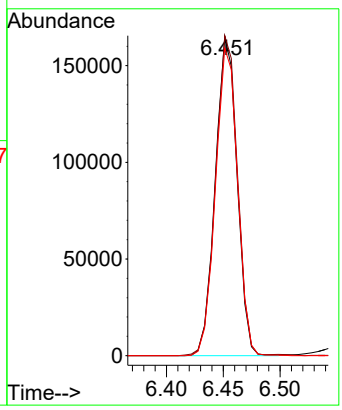


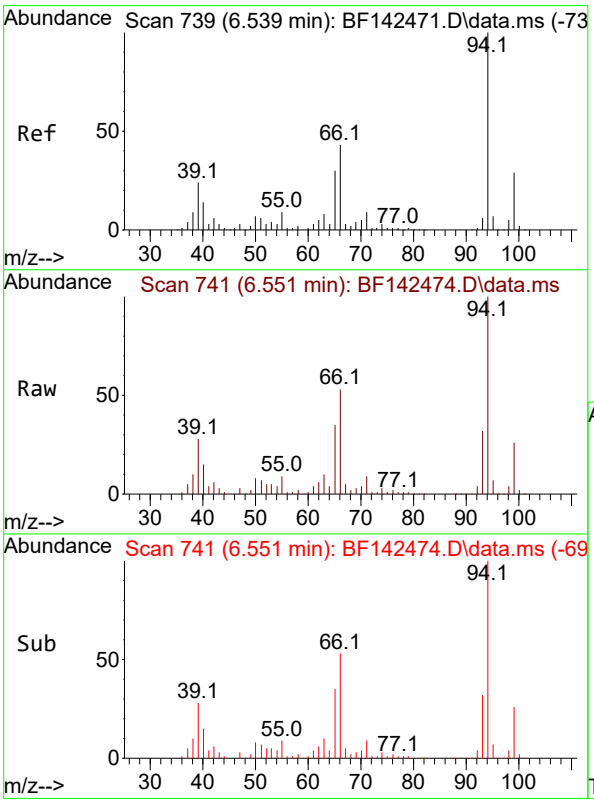
#9
Benzaldehyde
Concen: 54.999 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 219574

Ion	Ratio	Lower	Upper
77	100		
105	100.3	82.5	122.5
106	96.4	80.0	120.0

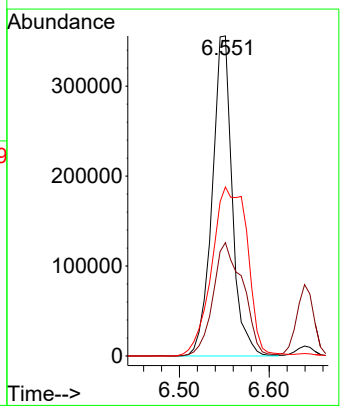


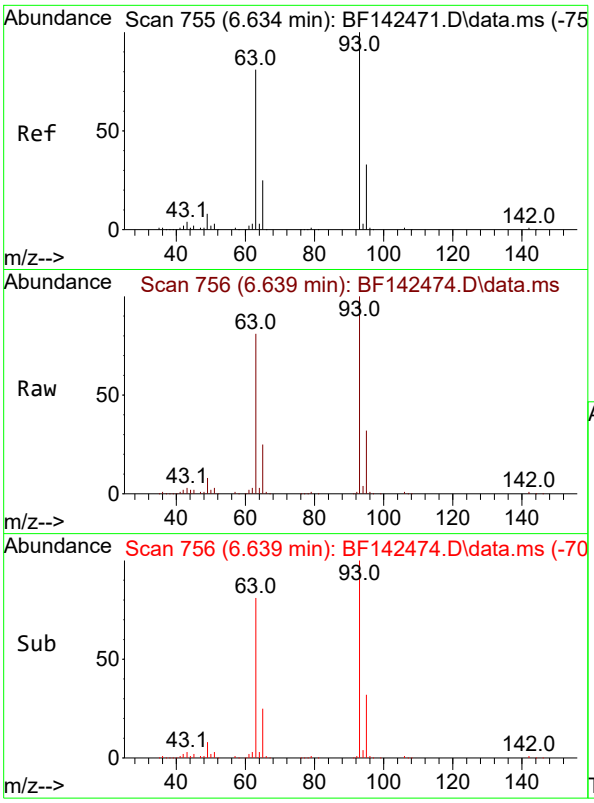


#10
Phenol
Concen: 73.985 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 94 Resp: 552574

Ion	Ratio	Lower	Upper
94	100		
65	35.4	10.3	50.3
66	52.8	22.6	62.6



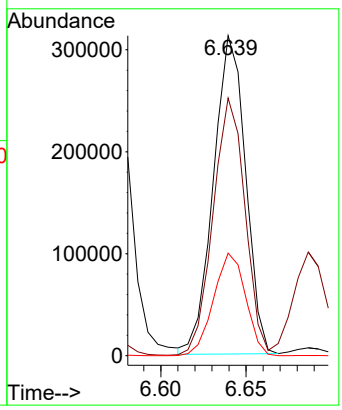


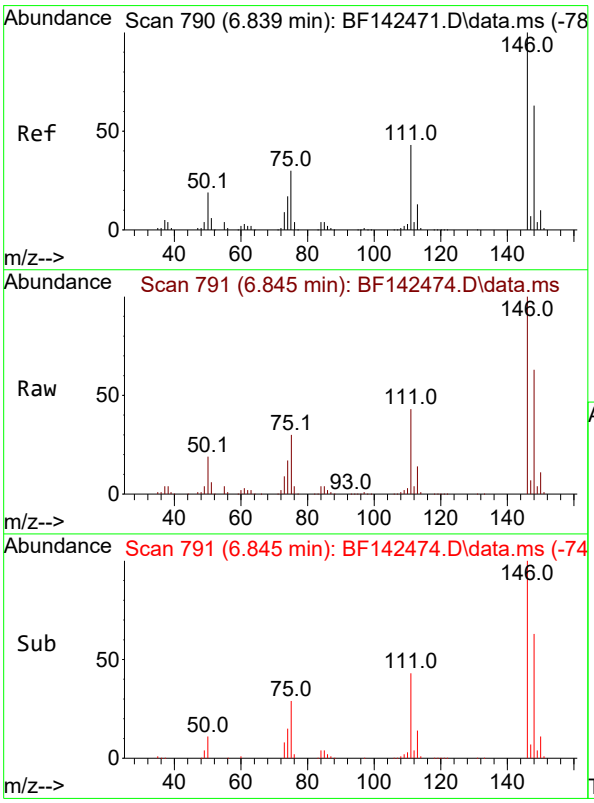
#11
bis(2-Chloroethyl)ether
Concen: 76.354 ng
RT: 6.639 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 410501

Ion	Ratio	Lower	Upper
93	100		
63	80.5	60.2	100.2
95	32.1	12.3	52.3

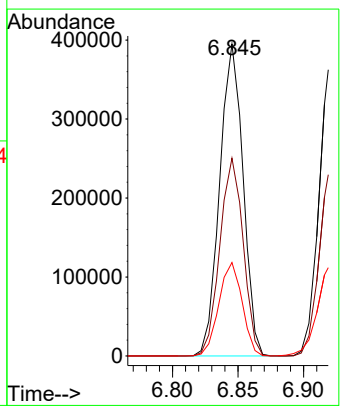


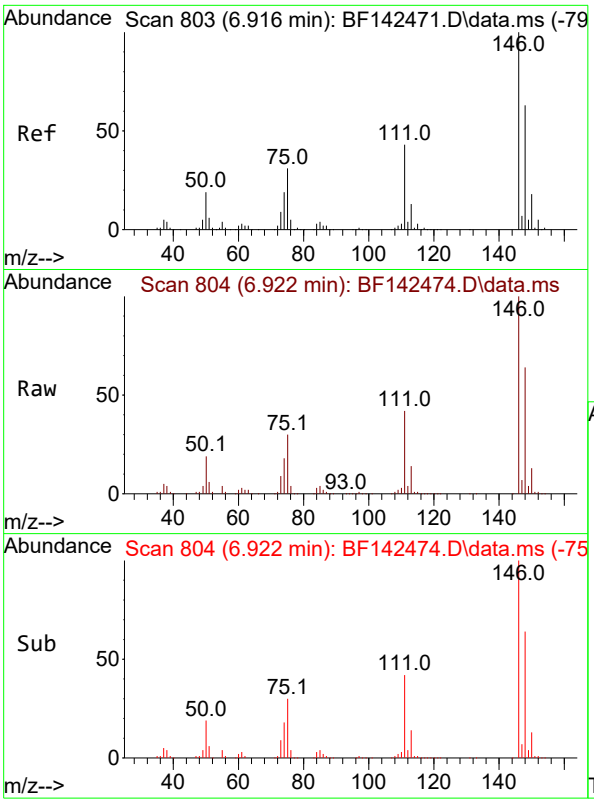


#12
1,3-Dichlorobenzene
Concen: 73.004 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:146 Resp: 489261

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	75.8
75	30.0	23.8	35.6



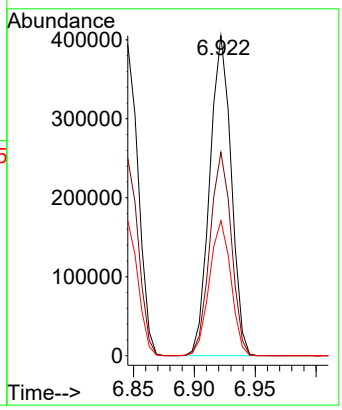


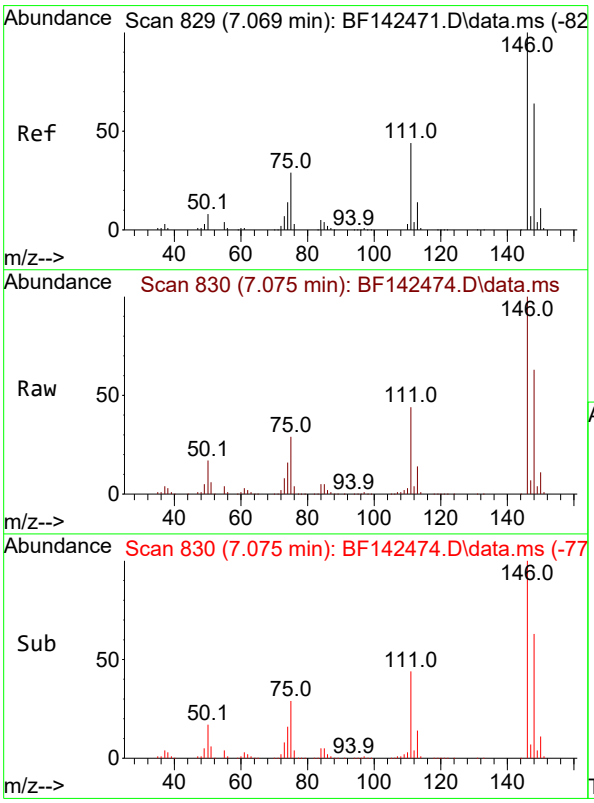
#13
1,4-Dichlorobenzene
Concen: 73.465 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 495948

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	42.2	34.1	51.1

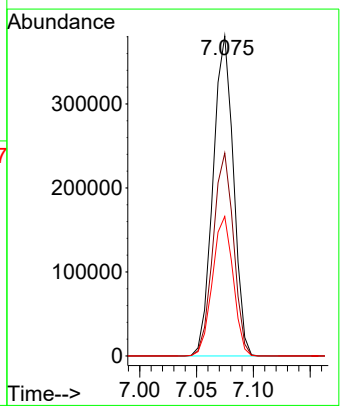


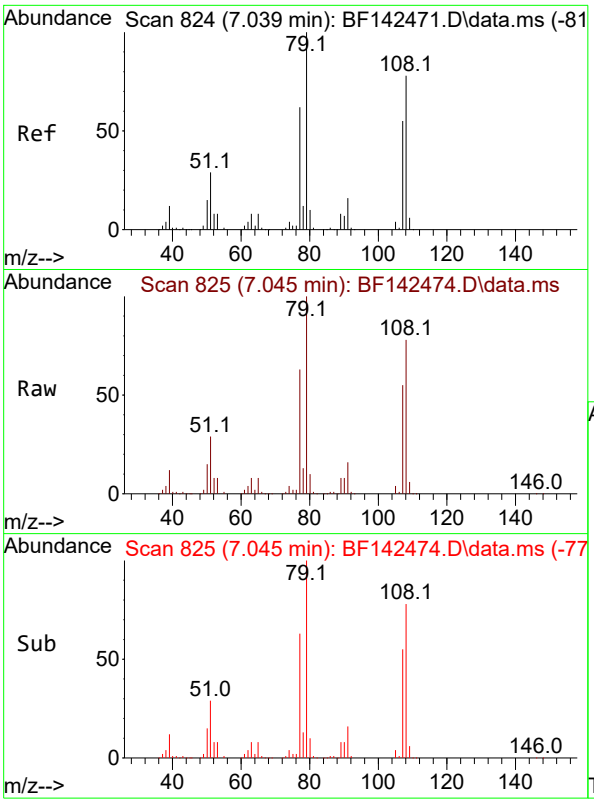


#14
1,2-Dichlorobenzene
Concen: 73.875 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:146 Resp: 477210

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.6	35.0	52.6



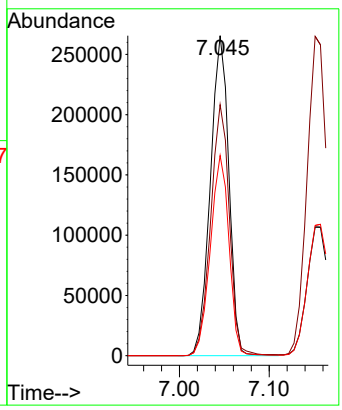


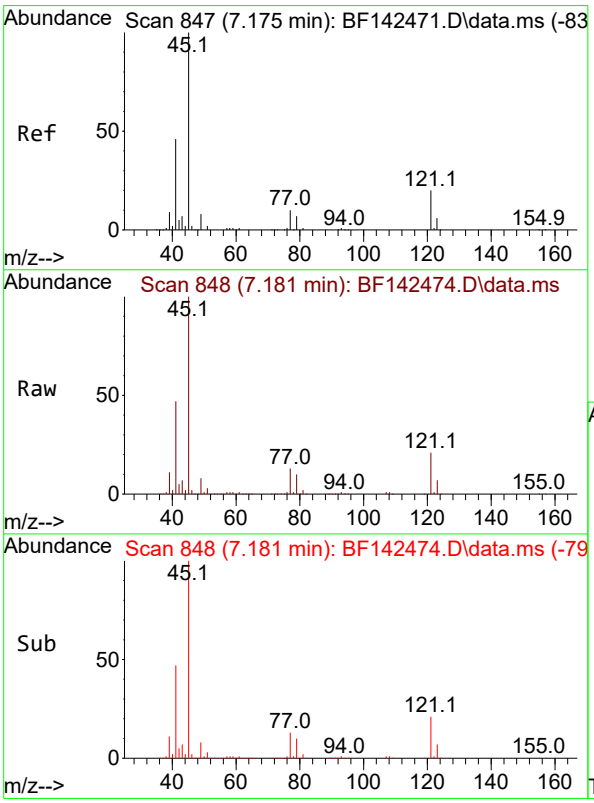
#15
Benzyl Alcohol
Concen: 77.750 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 381381

Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.1	93.1
77	62.5	49.5	74.3

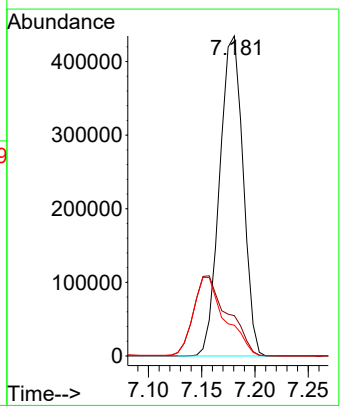


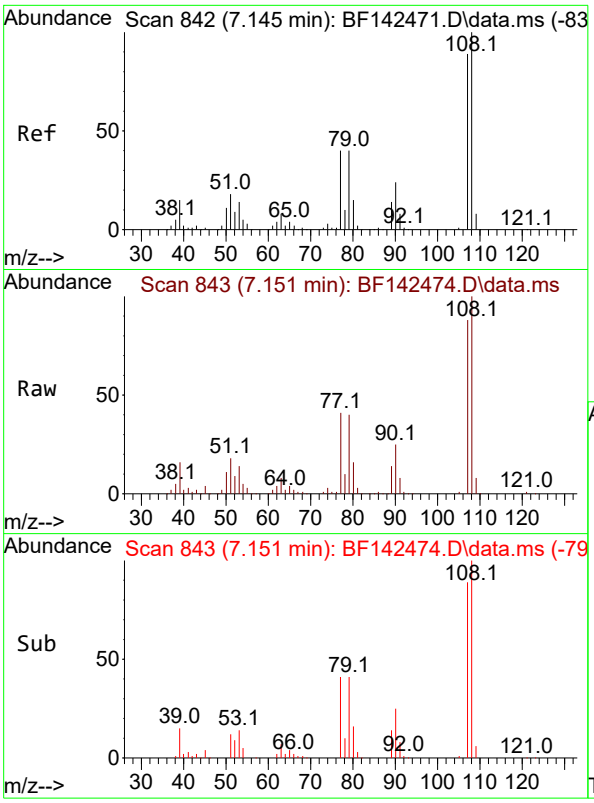


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.497 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 45 Resp: 663576

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	32.0
79	9.6	0.0	29.2



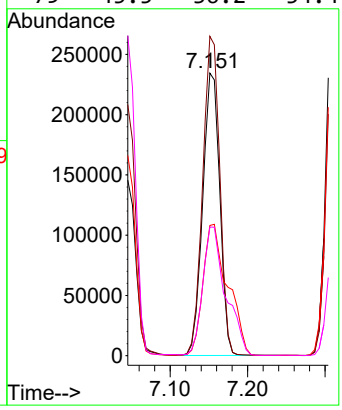


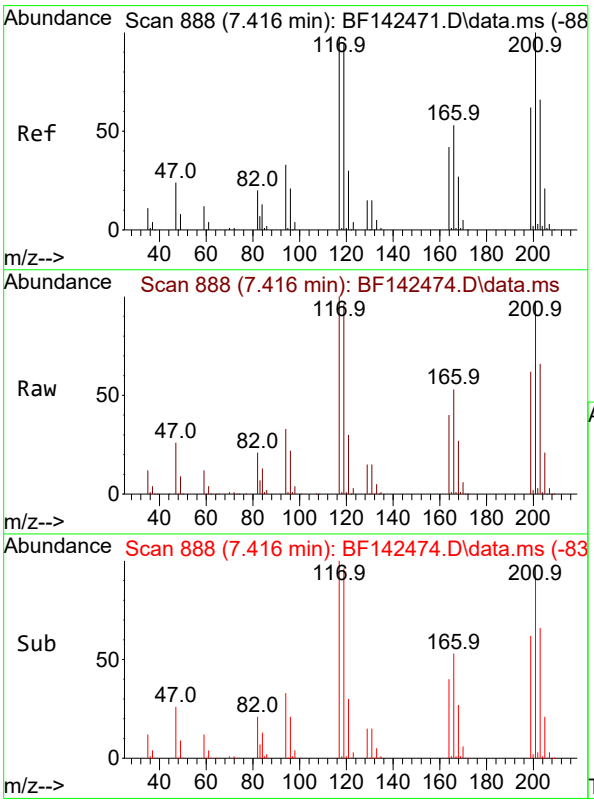
#17
2-Methylphenol
Concen: 76.467 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 358569

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.2	135.2
77	46.1	36.1	54.1
79	45.5	36.2	54.4

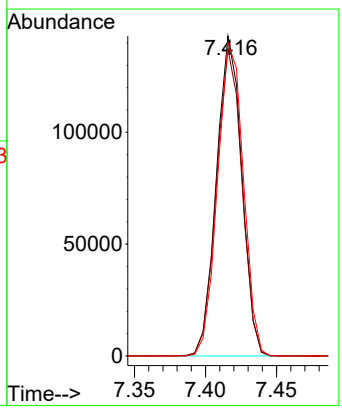


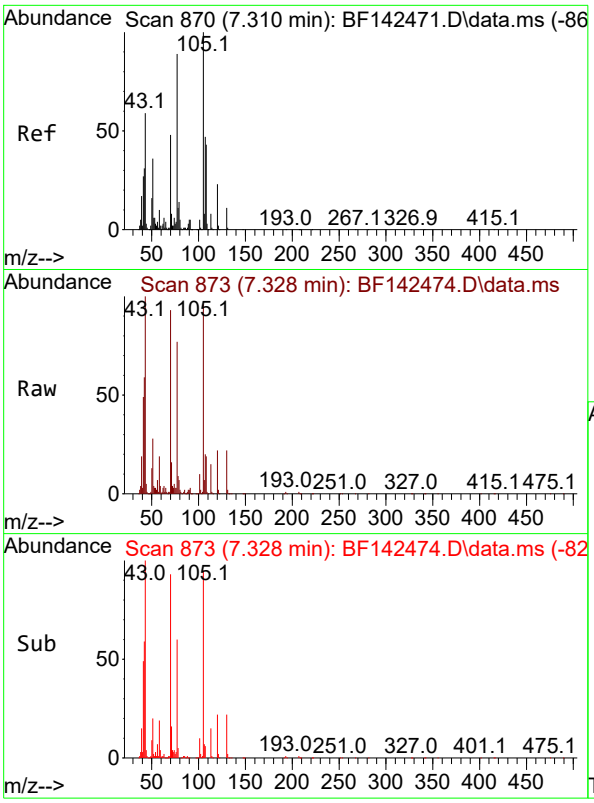


#18
Hexachloroethane
Concen: 75.267 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:117 Resp: 177426

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	97.9	81.3	121.9



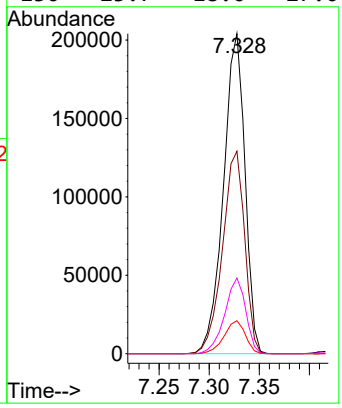


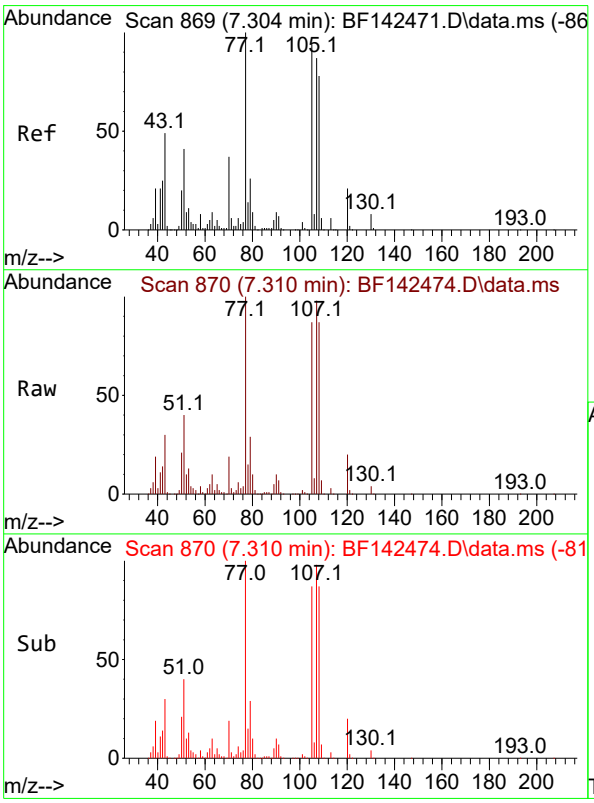
#19
n-Nitroso-di-n-propylamine
Concen: 73.987 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 304362

Ion	Ratio	Lower	Upper
70	100		
42	63.3	52.4	78.6
101	10.3	7.8	11.8
130	23.7	18.0	27.0

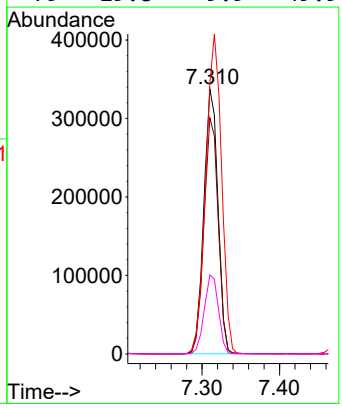


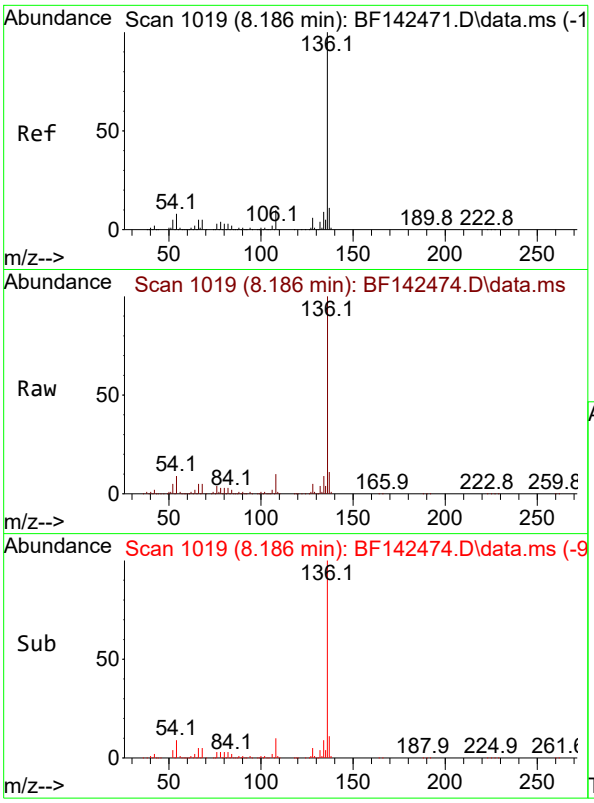


#20
3+4-Methylphenols
Concen: 71.097 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:107 Resp: 426933

Ion	Ratio	Lower	Upper
107	100		
108	89.2	70.4	110.4
77	102.1	95.4	135.4
79	29.8	9.9	49.9



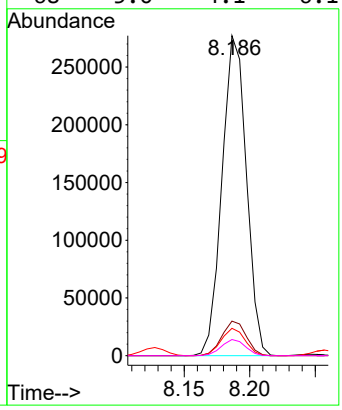


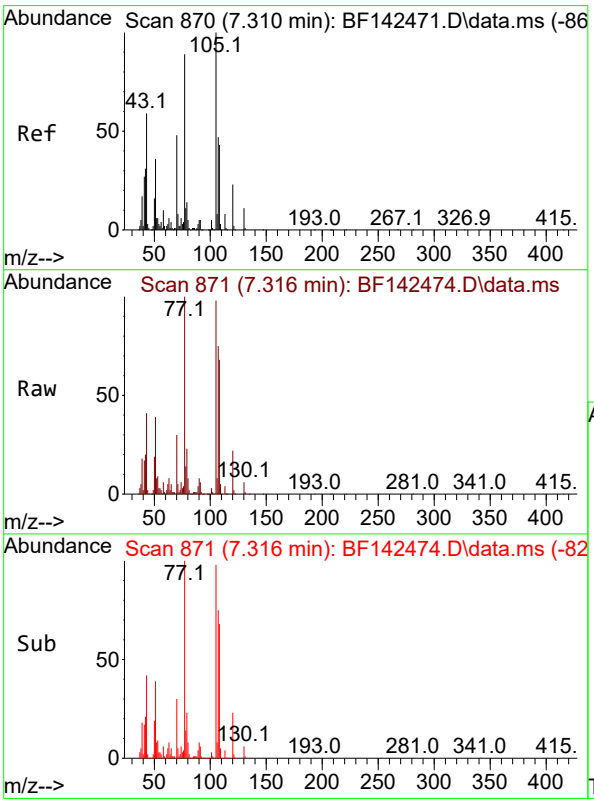
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 358380

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	6.6	10.0
68	5.0	4.1	6.1

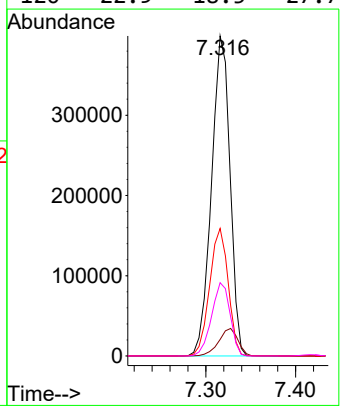


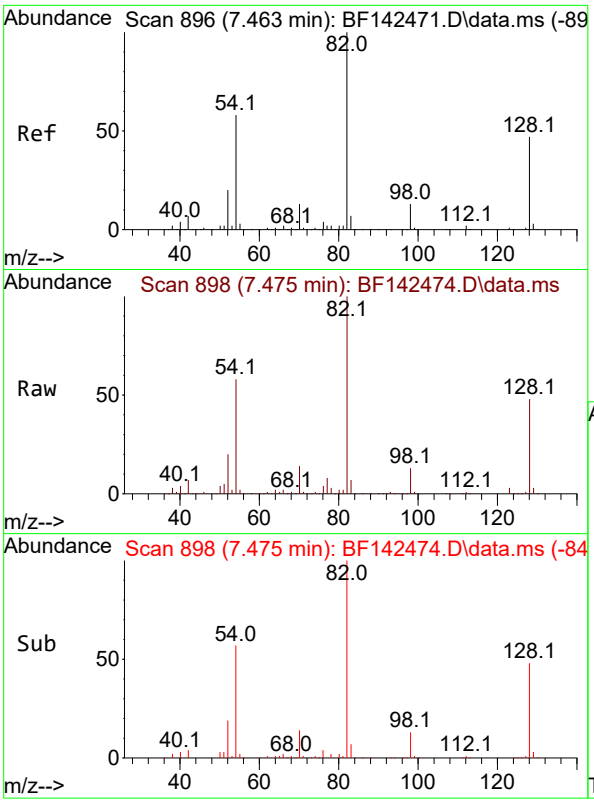


#22
Acetophenone
Concen: 72.072 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:105 Resp: 571777

Ion	Ratio	Lower	Upper
105	100		
71	5.2	6.4	9.6#
51	39.9	28.6	42.8
120	22.9	18.5	27.7



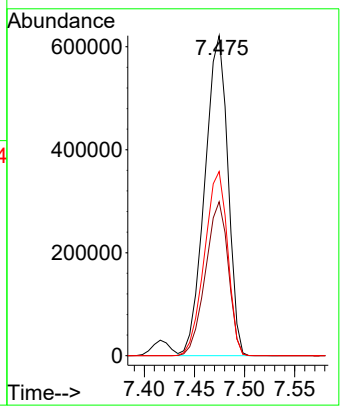


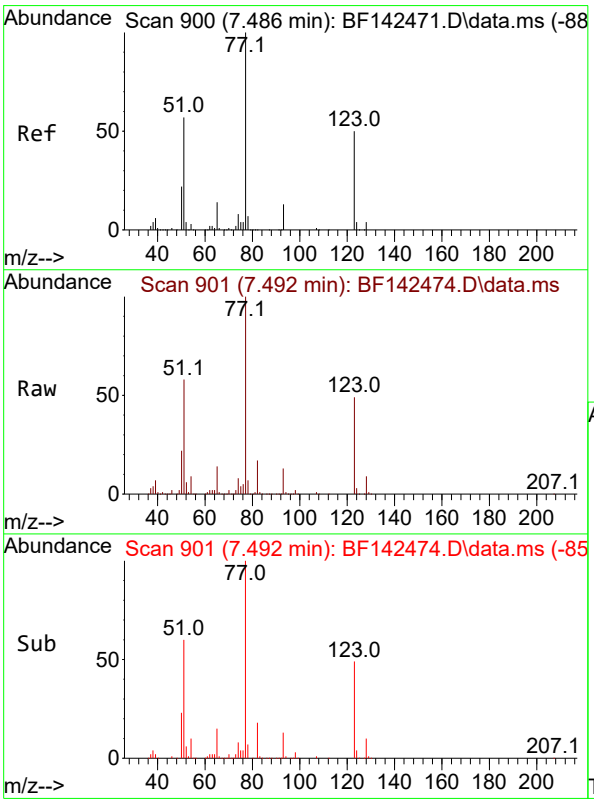
#23
Nitrobenzene-d5
Concen: 151.205 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 993768

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.5	46.6	70.0

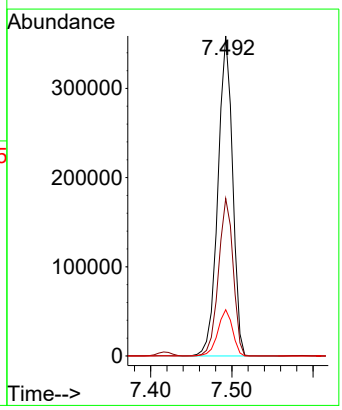


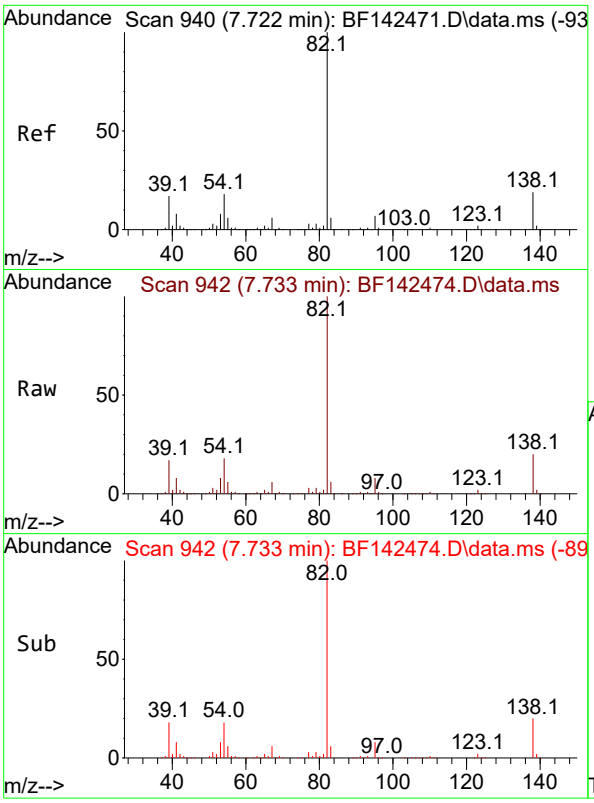


#24
Nitrobenzene
Concen: 76.309 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 77 Resp: 452330

Ion	Ratio	Lower	Upper
77	100		
123	49.2	40.6	61.0
65	14.5	11.4	17.2



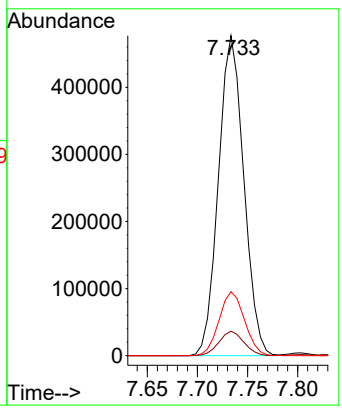


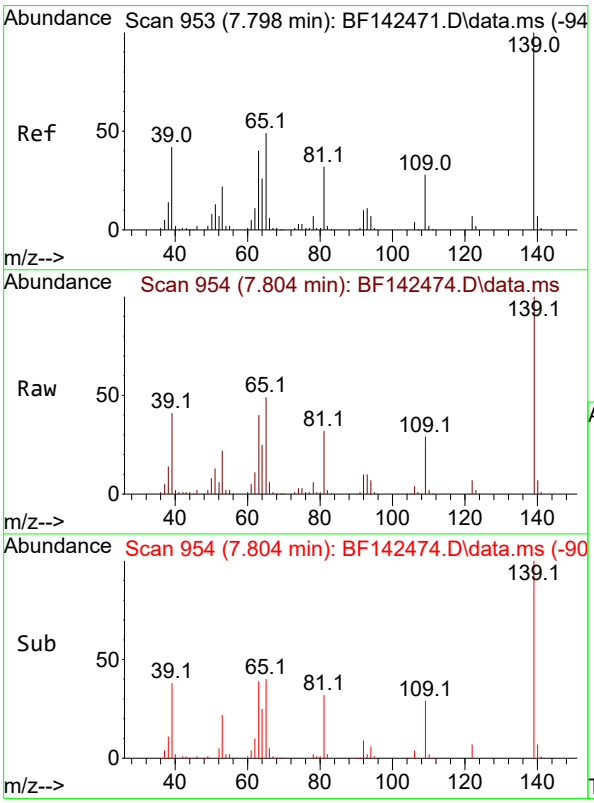
#25
Isophorone
Concen: 76.321 ng
RT: 7.733 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 838652

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.0	9.0
138	20.0	15.5	23.3

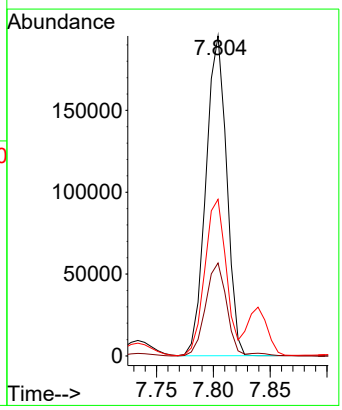


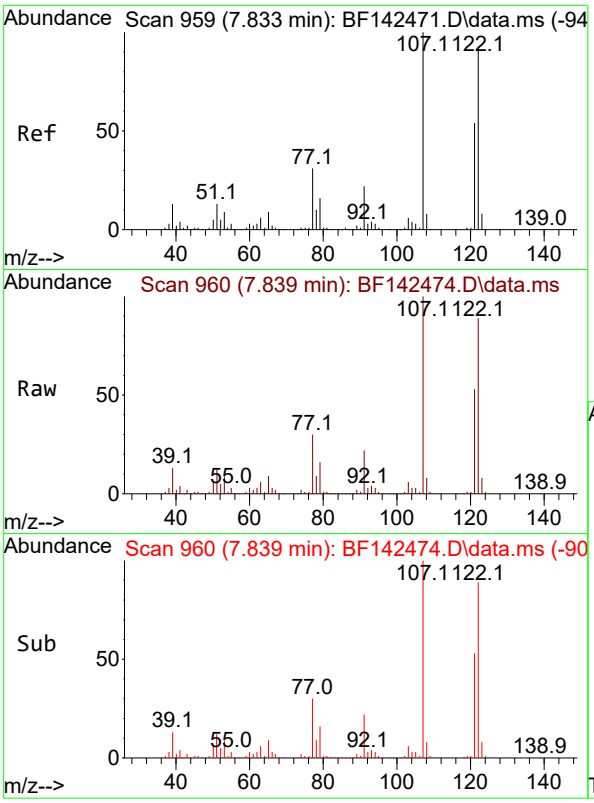


#26
2-Nitrophenol
Concen: 78.434 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:139 Resp: 248427

Ion	Ratio	Lower	Upper
139	100		
109	29.1	22.6	33.8
65	48.9	39.4	59.0



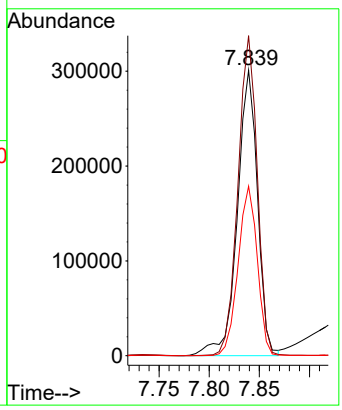


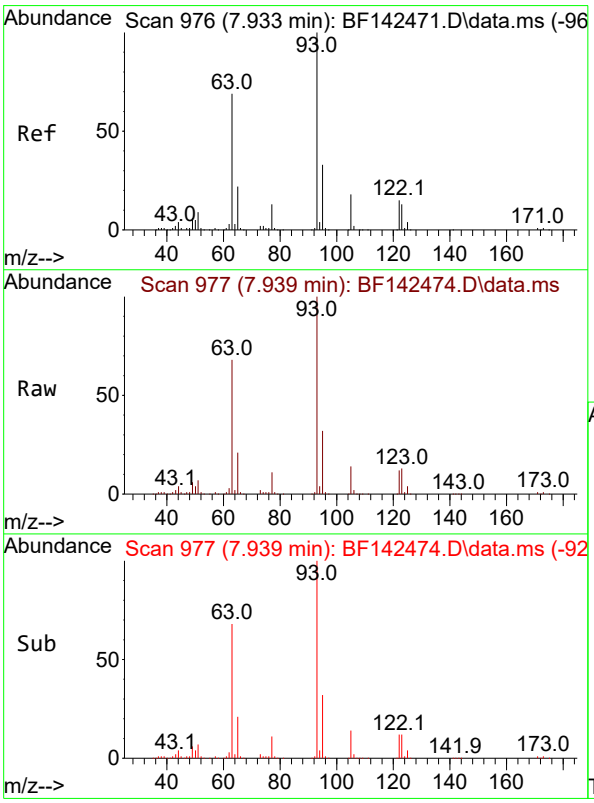
#27
2,4-Dimethylphenol
Concen: 75.623 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 422403

Ion	Ratio	Lower	Upper
122	100		
107	112.1	88.1	132.1
121	59.4	47.3	70.9

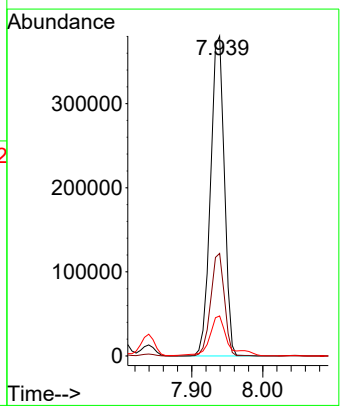


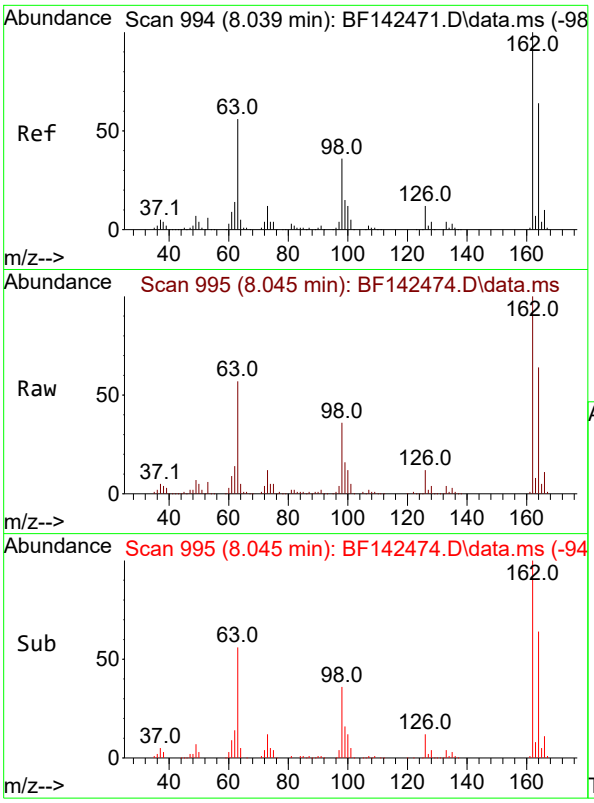


#28
bis(2-Chloroethoxy)methane
Concen: 74.744 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 93 Resp: 513063

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.4	39.6
123	12.5	10.6	15.8



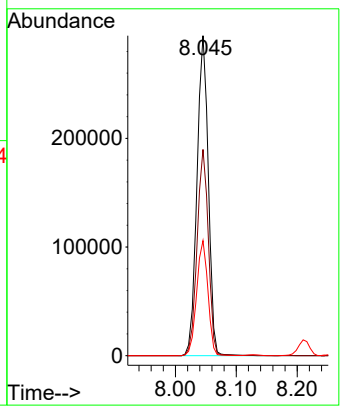


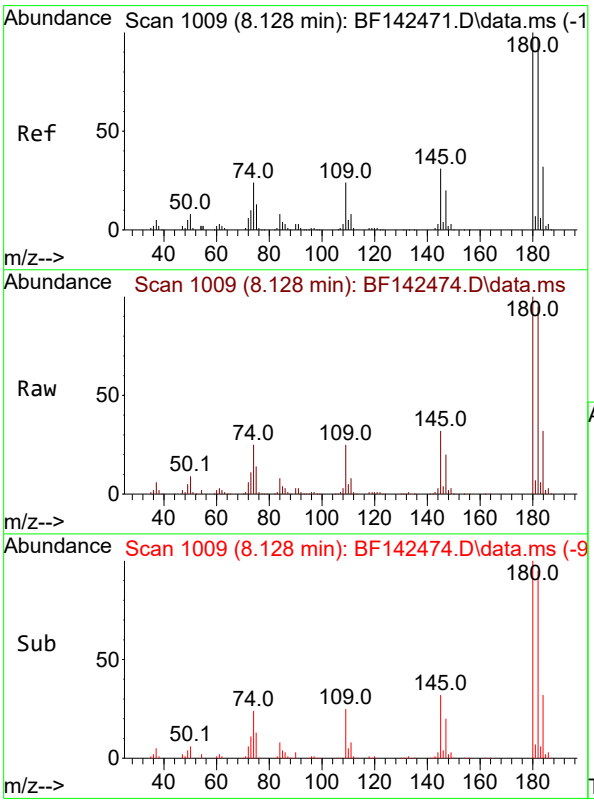
#29
2,4-Dichlorophenol
Concen: 75.121 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 381590

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.7	83.7
98	36.0	15.5	55.5

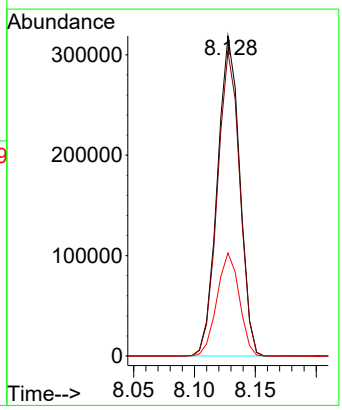


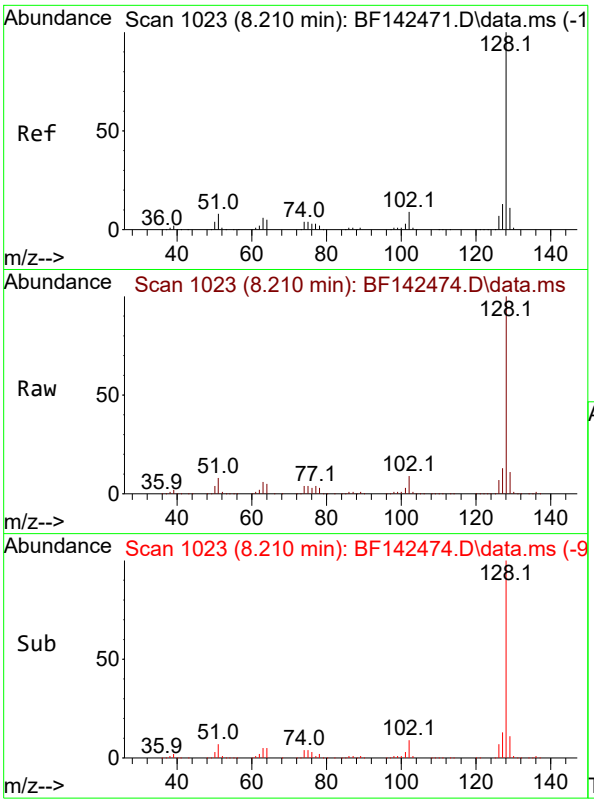


#30
1,2,4-Trichlorobenzene
Concen: 73.801 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:180 Resp: 406857

Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.0	117.0
145	32.2	25.0	37.6



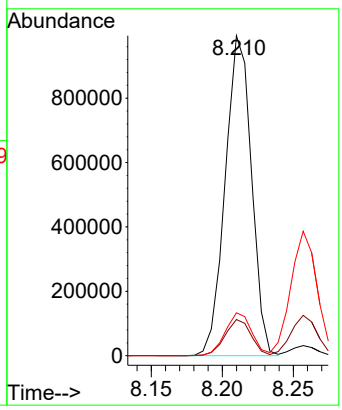


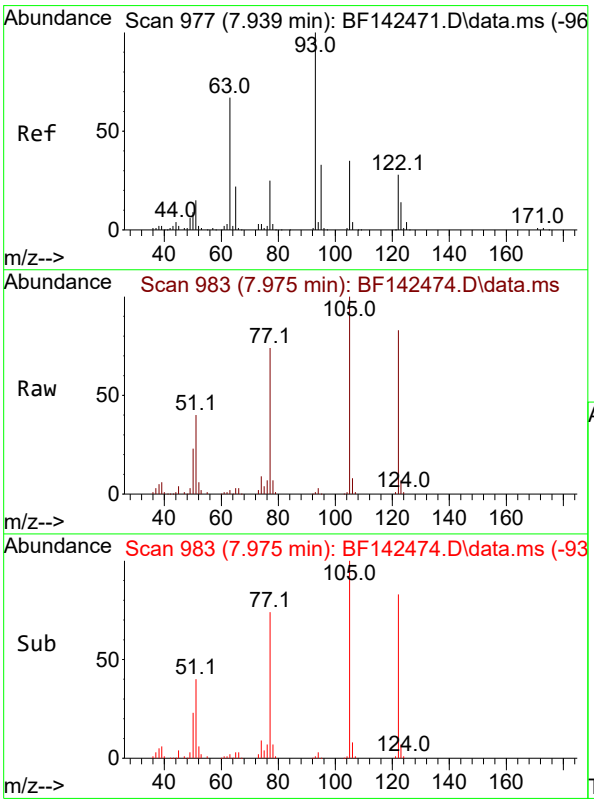
#31
Naphthalene
Concen: 72.369 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1277048

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.5	15.7

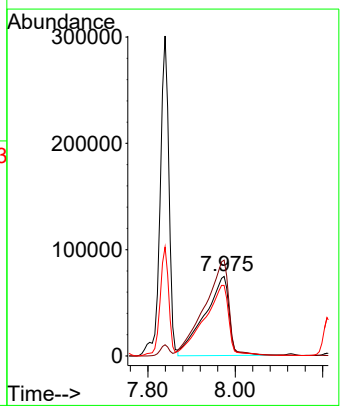


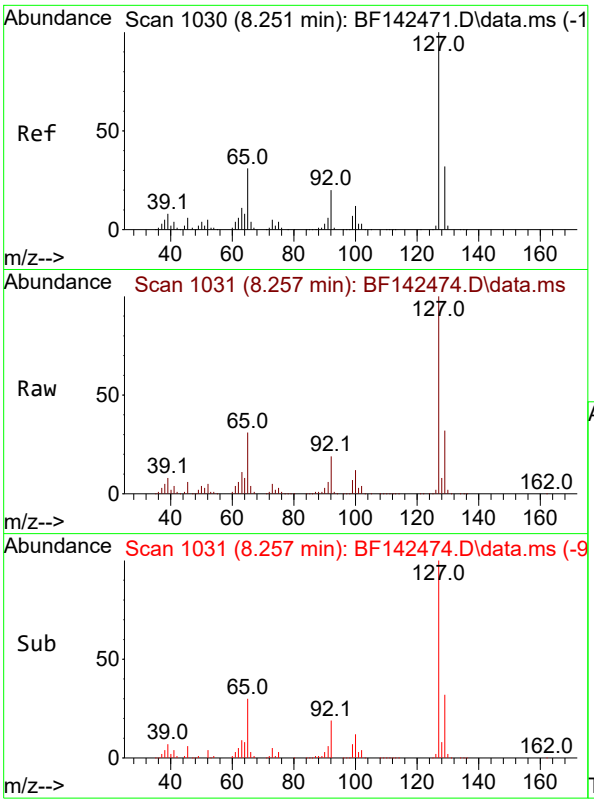


#32
Benzoic acid
Concen: 84.918 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:122 Resp: 288731

Ion	Ratio	Lower	Upper
122	100		
105	120.5	101.7	141.7
77	88.6	69.5	109.5



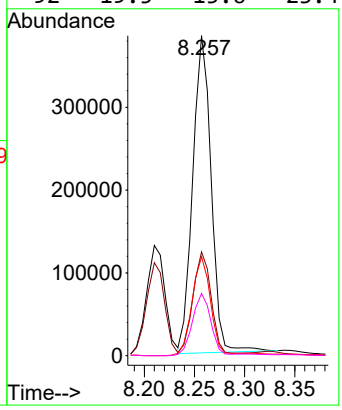


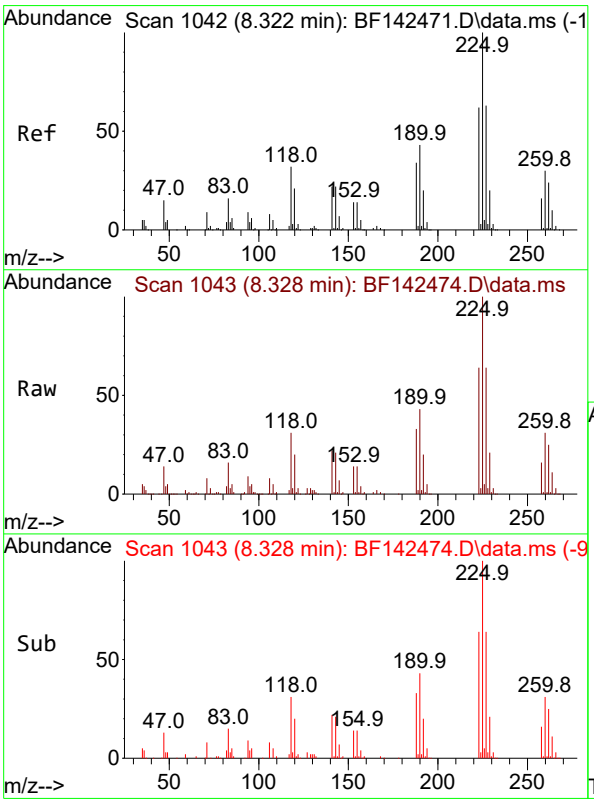
#33
4-Chloroaniline
Concen: 68.830 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 492168

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	30.9	24.9	37.3
92	19.5	15.6	23.4

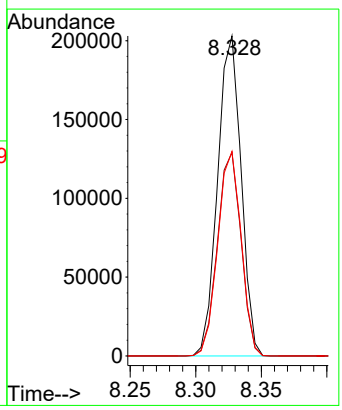


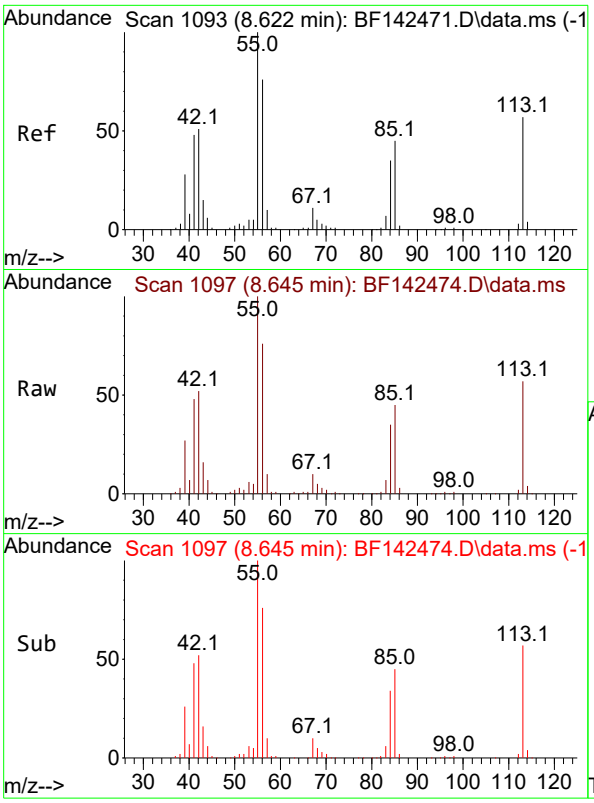


#34
Hexachlorobutadiene
Concen: 73.338 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:225 Resp: 252445

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.7	74.5
227	63.9	50.3	75.5



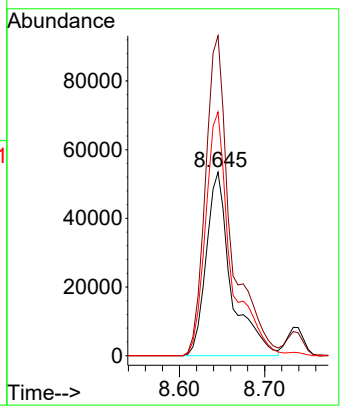


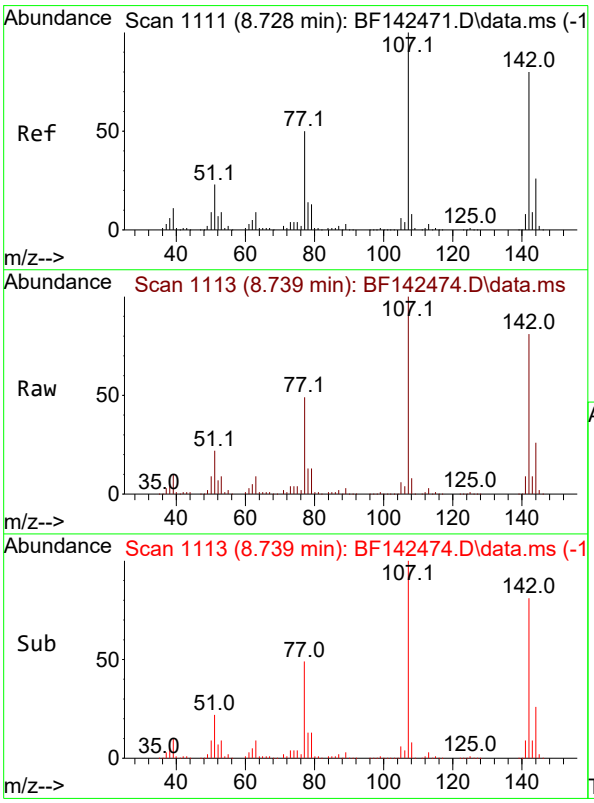
#35
Caprolactam
Concen: 76.565 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 109232

Ion	Ratio	Lower	Upper
113	100		
55	174.4	154.7	194.7
56	132.8	113.2	153.2

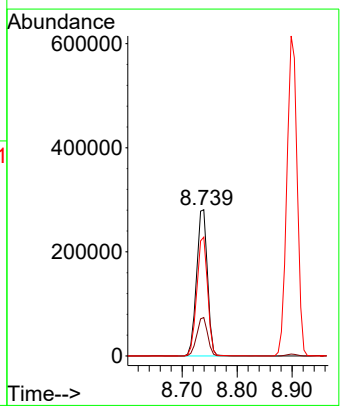


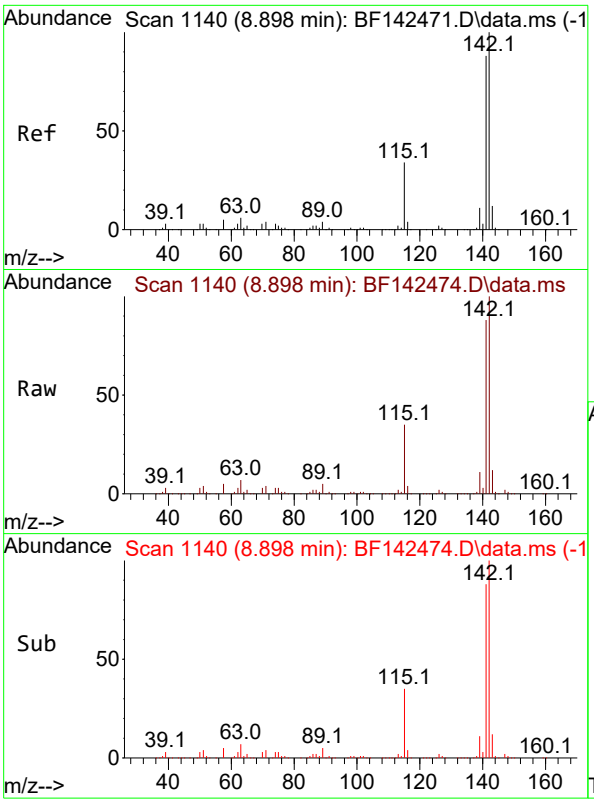


#36
4-Chloro-3-methylphenol
Concen: 74.674 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:107 Resp: 388740

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.9	31.3
142	81.3	64.2	96.2



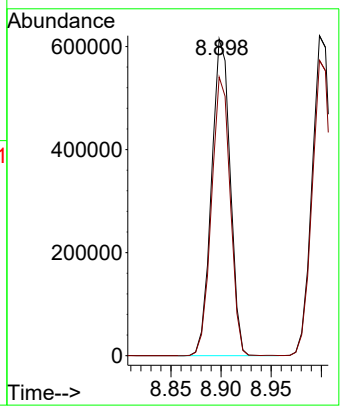


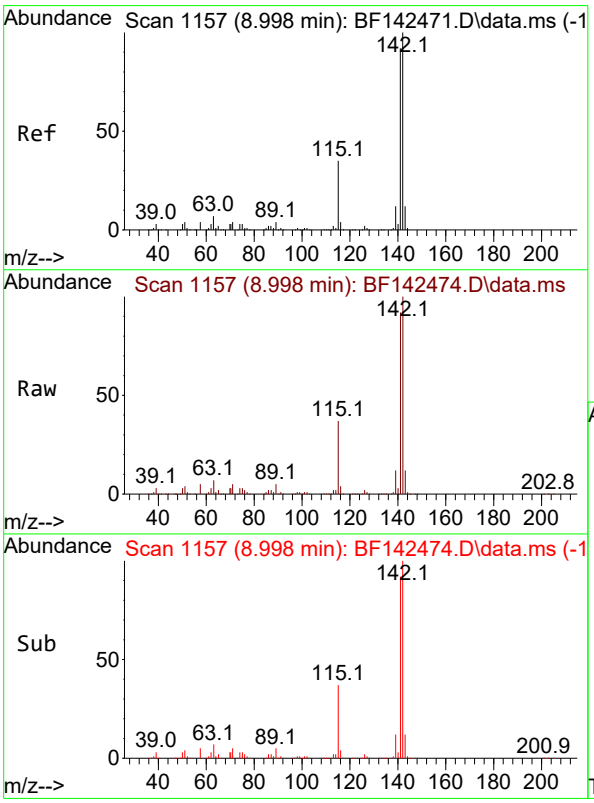
#37
2-Methylnaphthalene
Concen: 71.742 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 796463

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.7	106.1

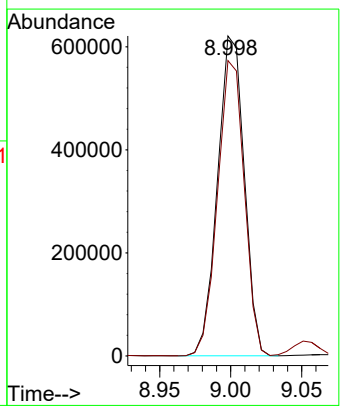


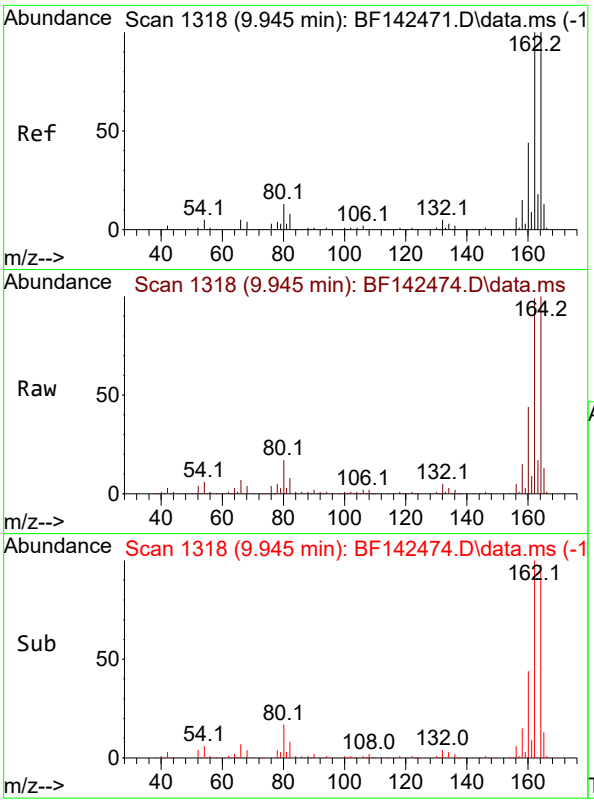


#38
1-Methylnaphthalene
Concen: 70.689 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:142 Resp: 811747

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.2



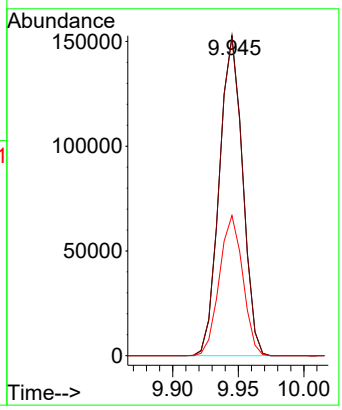


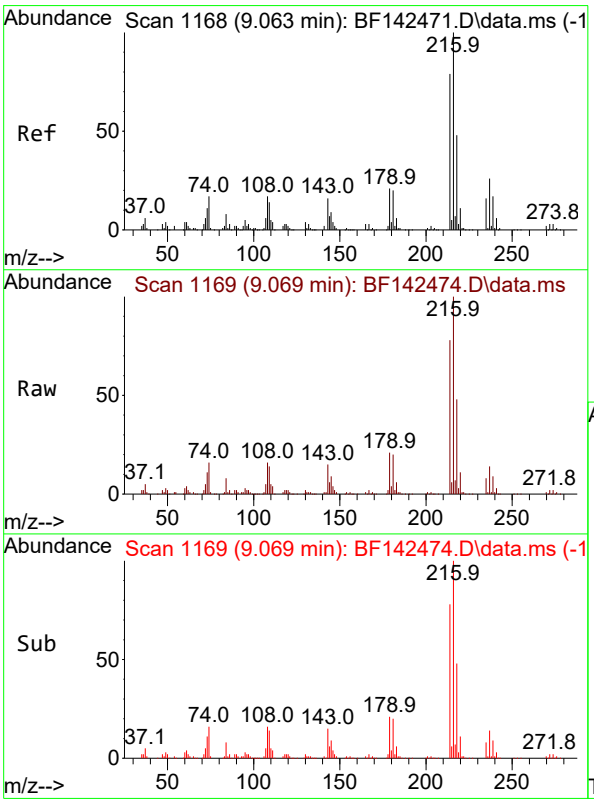
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 188198

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.4
160	43.8	35.6	53.4

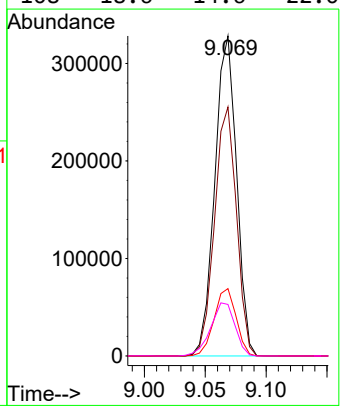


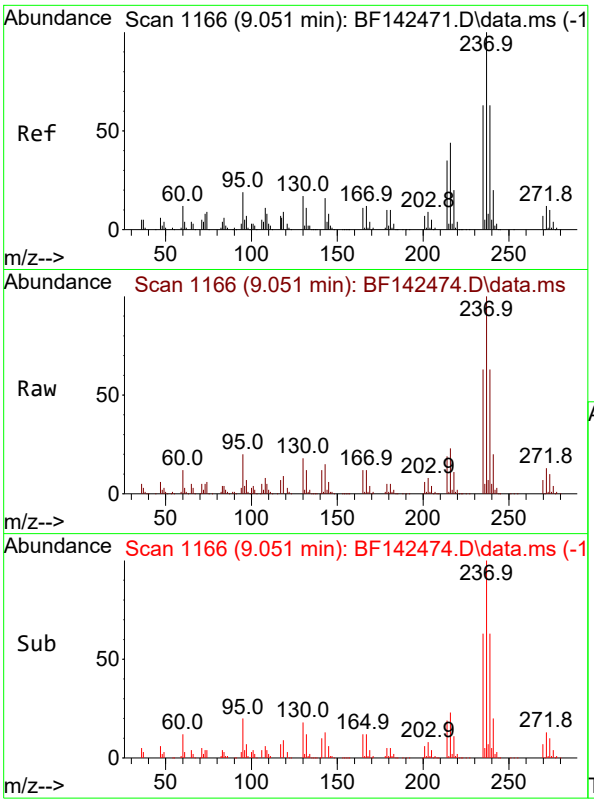


#40
1,2,4,5-Tetrachlorobenzene
Concen: 75.740 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:216 Resp: 409177

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.9	94.3
179	21.3	16.9	25.3
108	18.6	14.6	22.0



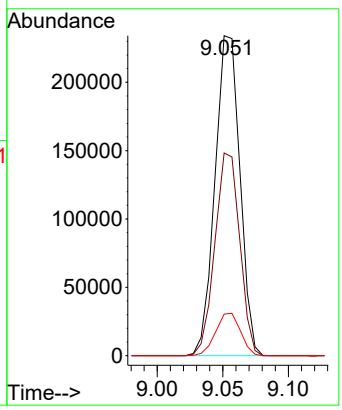


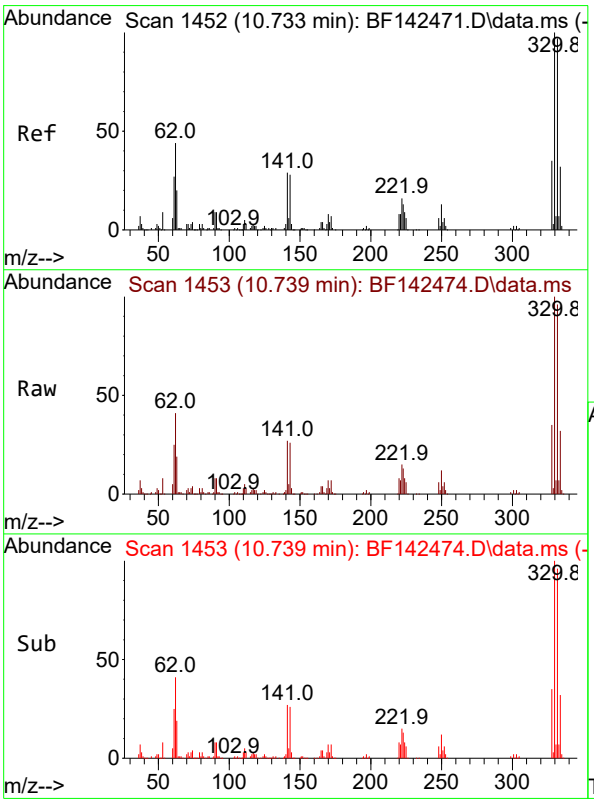
#41
Hexachlorocyclopentadiene
Concen: 84.936 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 309537

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	13.0	0.0	32.4

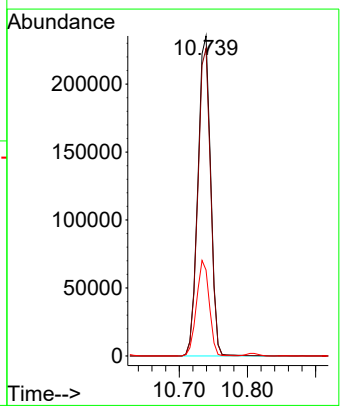


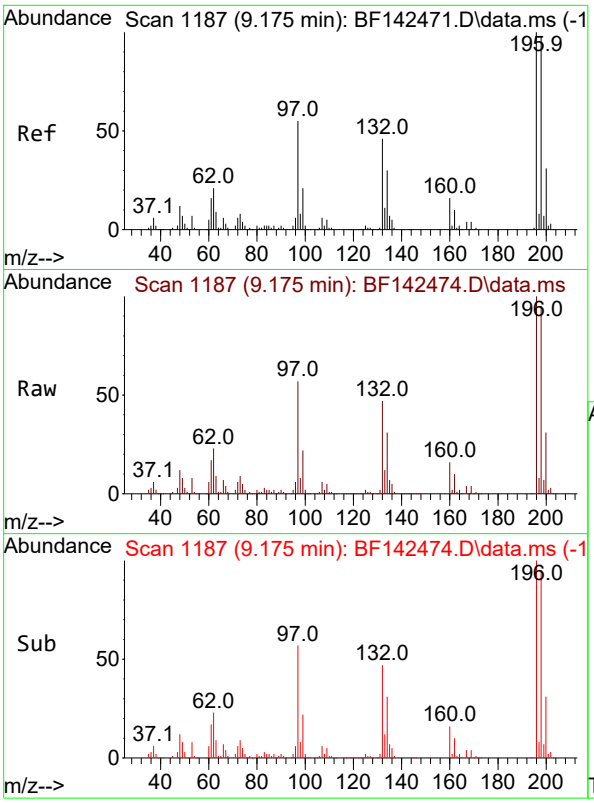


#42
2,4,6-Tribromophenol
Concen: 145.927 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:330 Resp: 304807

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	29.7	24.6	36.8



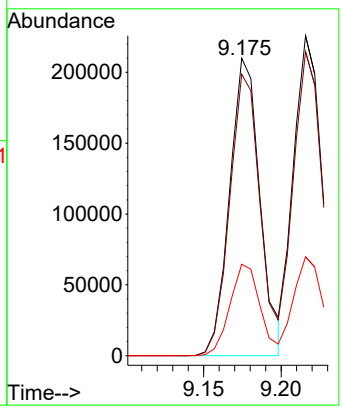


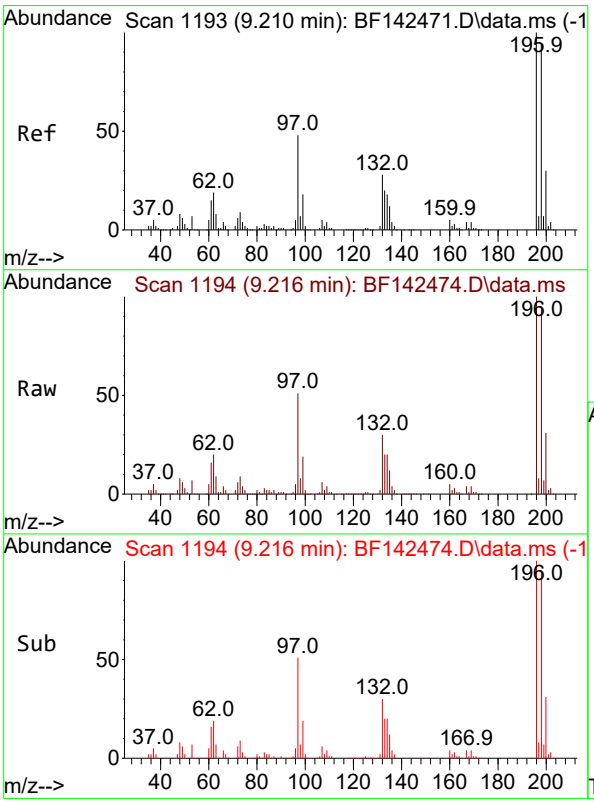
#43
2,4,6-Trichlorophenol
Concen: 78.254 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 285072

Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.8	118.2
200	30.7	24.9	37.3

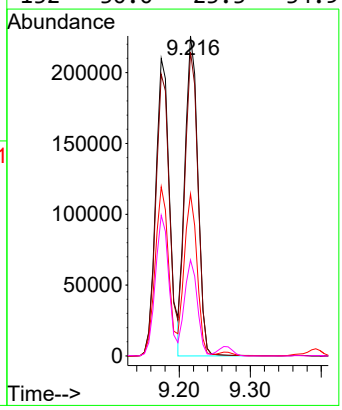


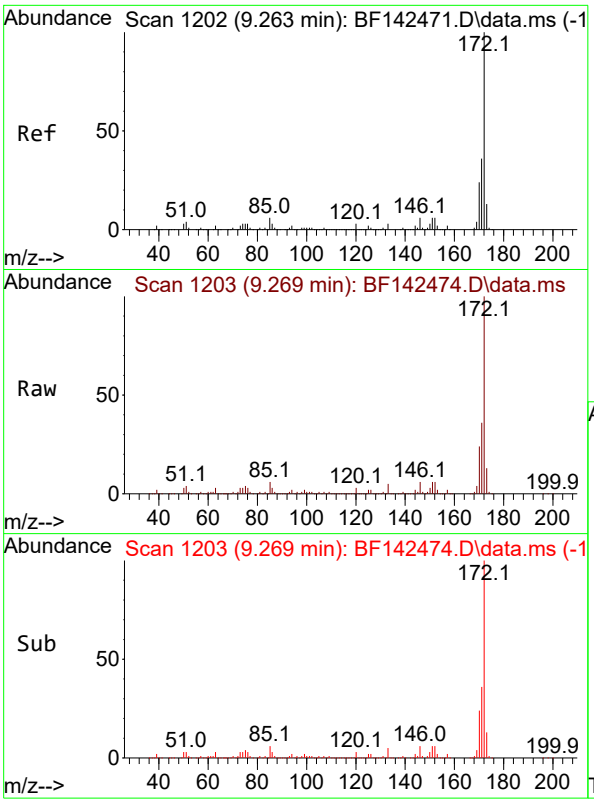


#44
2,4,5-Trichlorophenol
Concen: 74.712 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:196 Resp: 287041

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.5	113.3
97	50.6	39.3	58.9
132	30.0	23.3	34.9



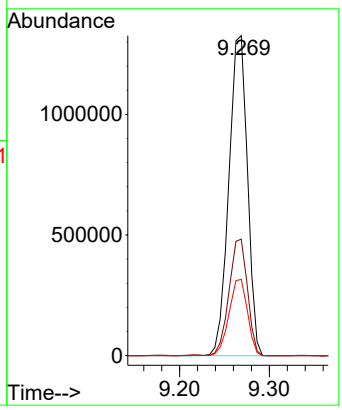


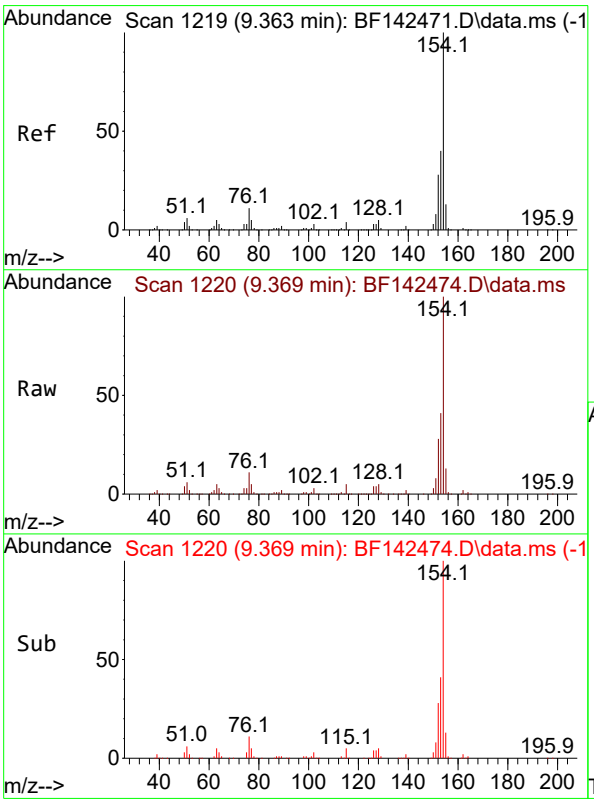
#45
2-Fluorobiphenyl
Concen: 136.080 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1908541

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	23.9	18.9	28.3

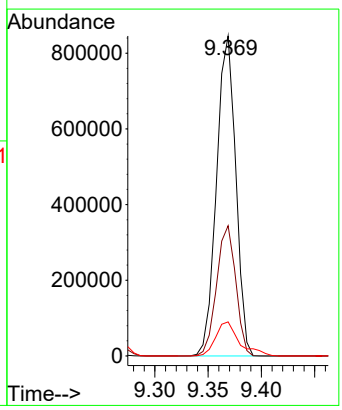


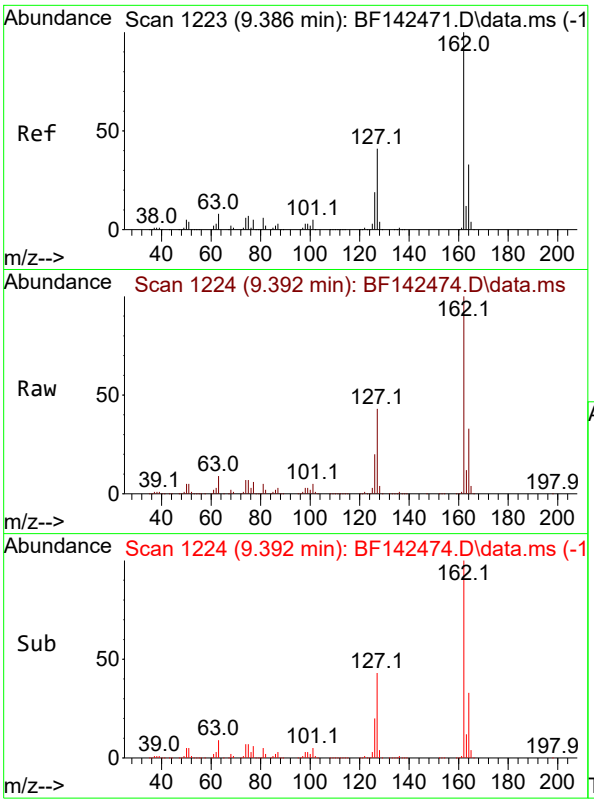


#46
1,1'-Biphenyl
Concen: 72.584 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:154 Resp: 1059787

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.7	0.0	30.8



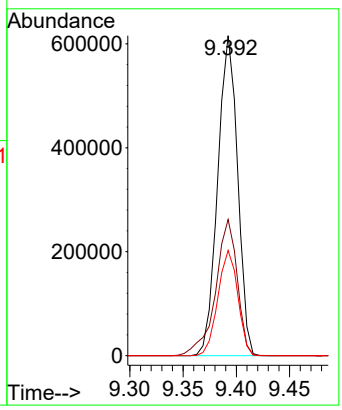


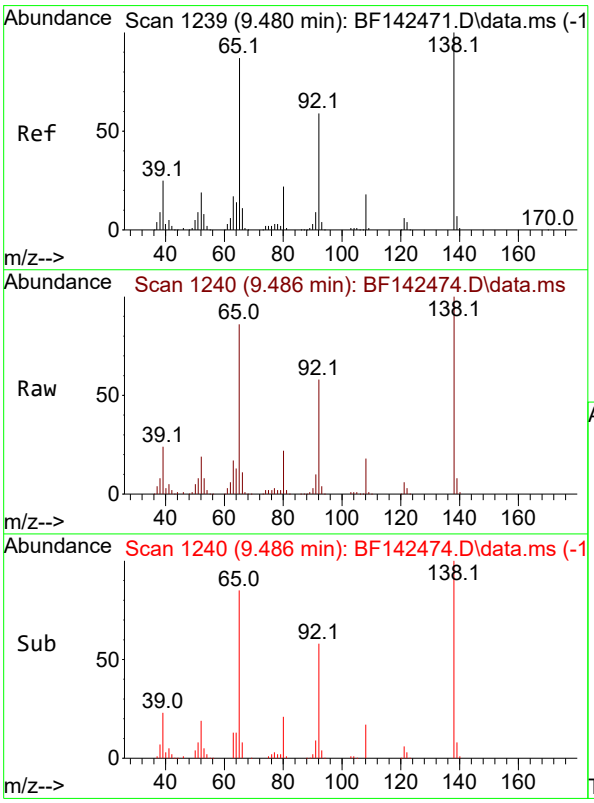
#47
2-Chloronaphthalene
Concen: 74.024 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 798539

Ion	Ratio	Lower	Upper
162	100		
127	42.6	33.5	50.3
164	32.9	26.1	39.1

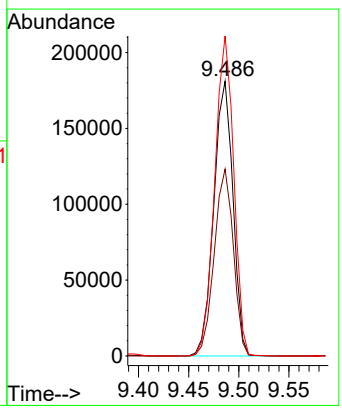


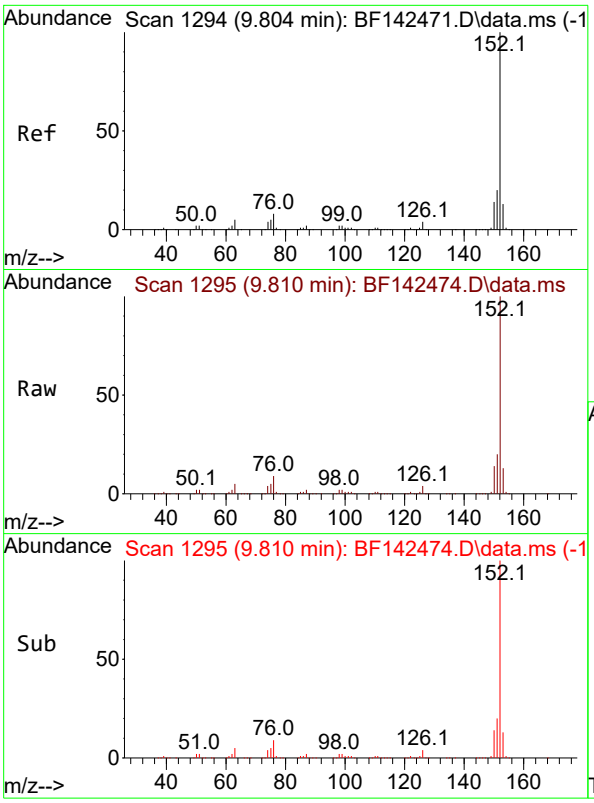


#48
2-Nitroaniline
Concen: 77.343 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion: 65 Resp: 241162

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.4	81.6
138	116.5	91.4	137.2



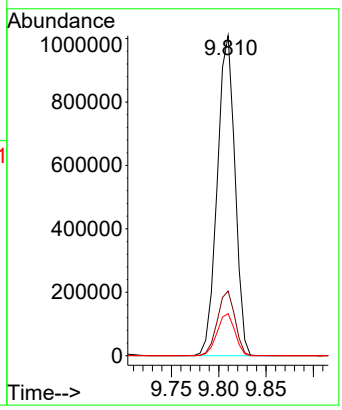


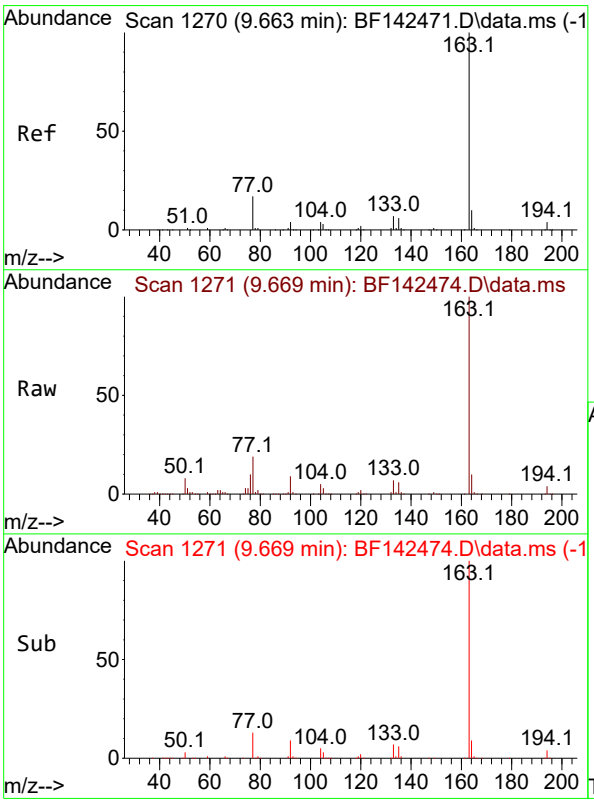
#49
Acenaphthylene
Concen: 72.118 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1313668

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.6	15.8

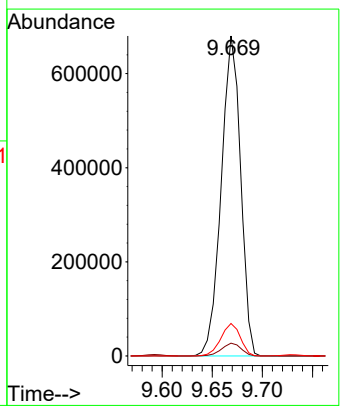


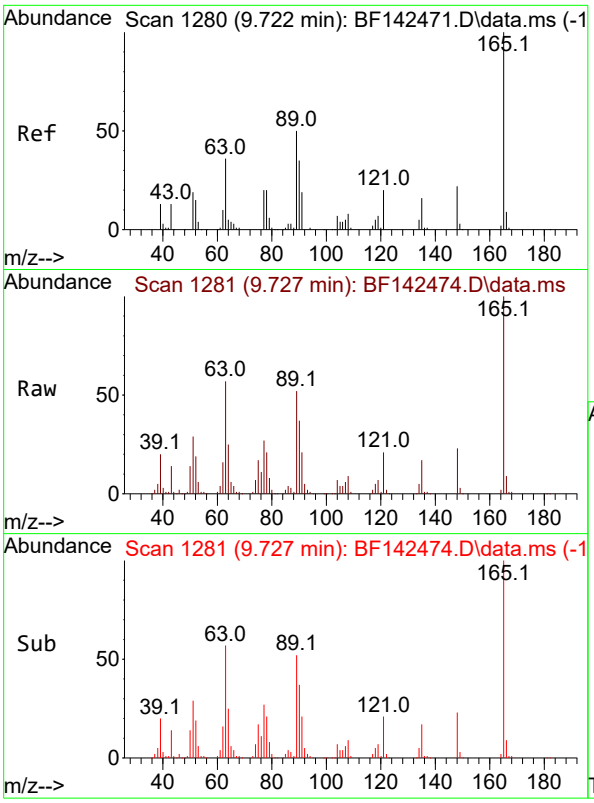


#50
Dimethylphthalate
Concen: 73.405 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:163 Resp: 911534

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.1	8.2	12.4



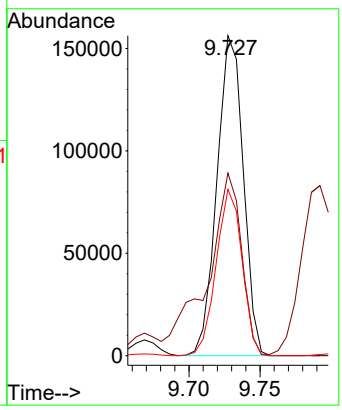


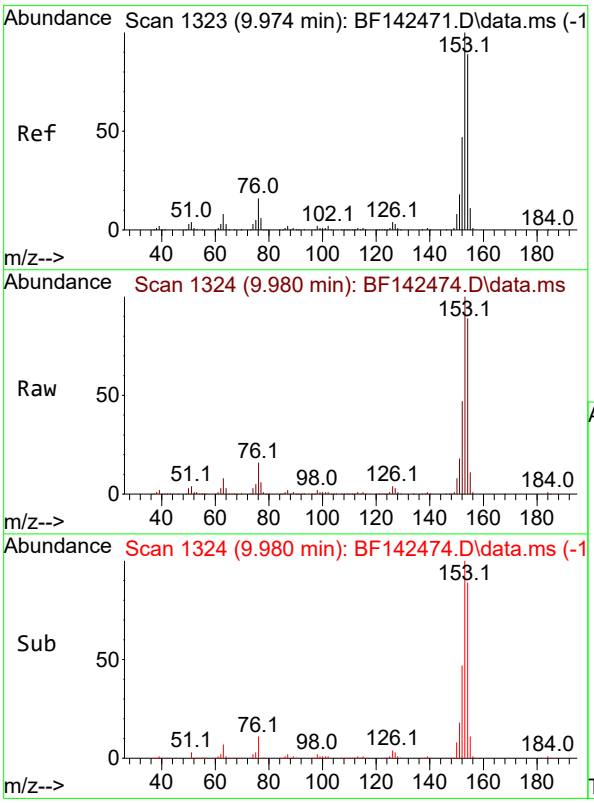
#51
2,6-Dinitrotoluene
Concen: 75.198 ng
RT: 9.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 201545

Ion	Ratio	Lower	Upper
165	100		
63	57.0	42.9	64.3
89	51.9	40.2	60.4

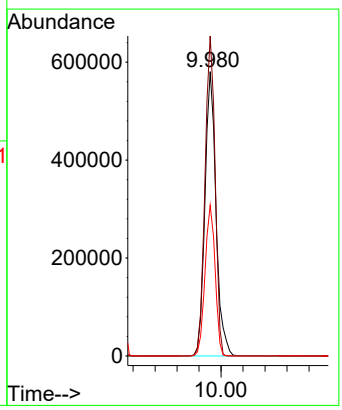


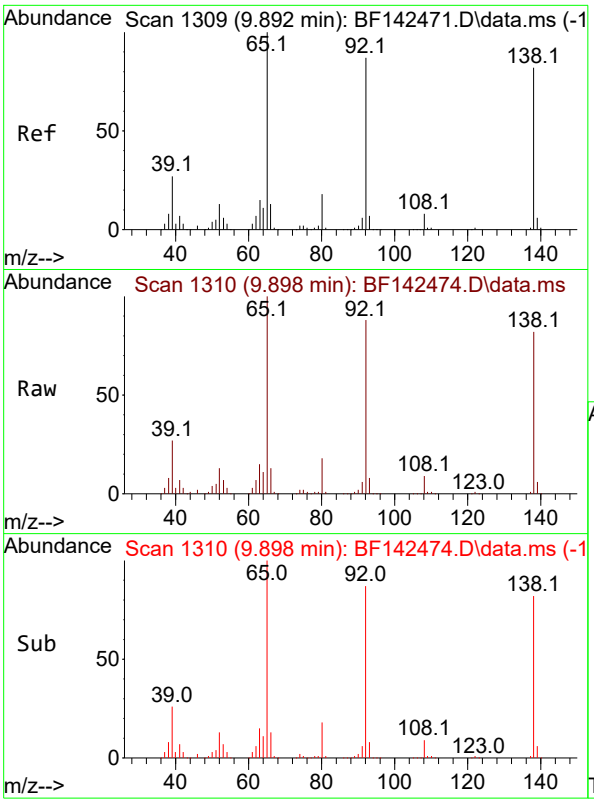


#52
Acenaphthene
Concen: 72.896 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:154 Resp: 810811

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	53.0	42.6	64.0



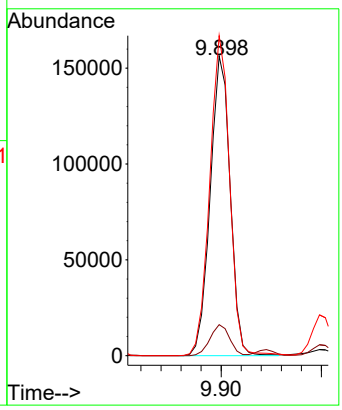


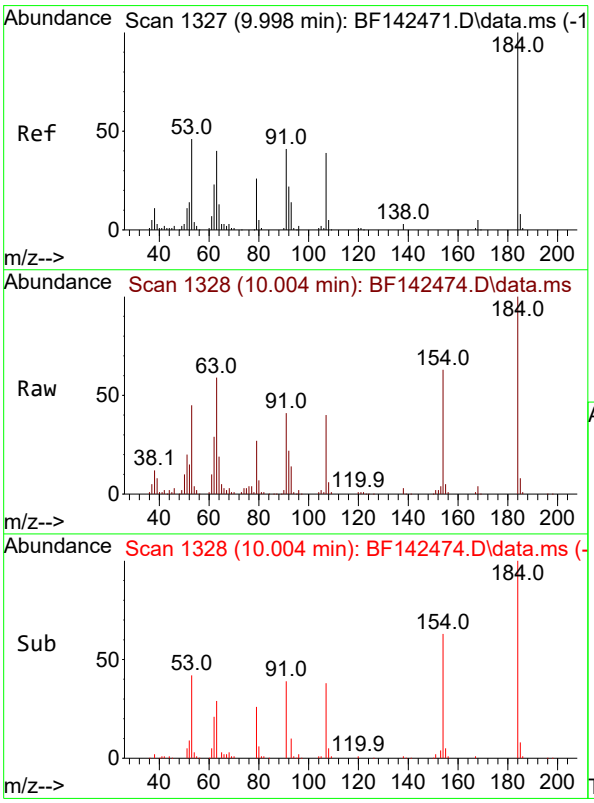
#53
3-Nitroaniline
Concen: 73.930 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 216422

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	106.8	85.2	127.8

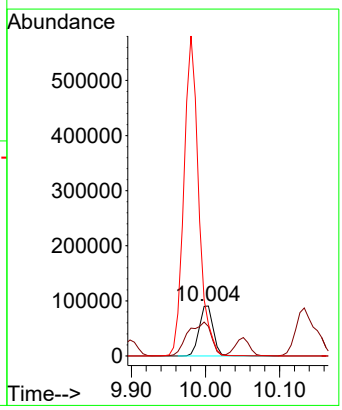


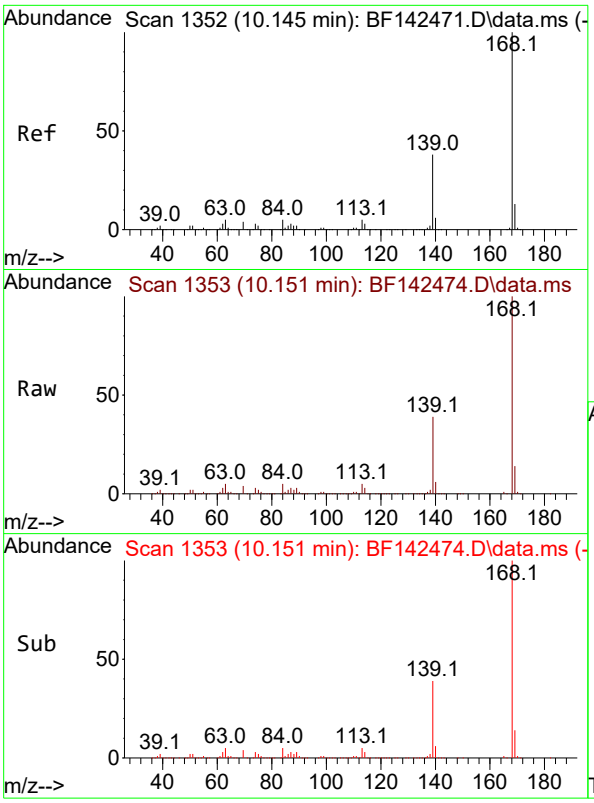


#54
2,4-Dinitrophenol
Concen: 85.999 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:184 Resp: 119082

Ion	Ratio	Lower	Upper
184	100		
63	59.2	46.3	69.5
154	63.4	56.8	85.2



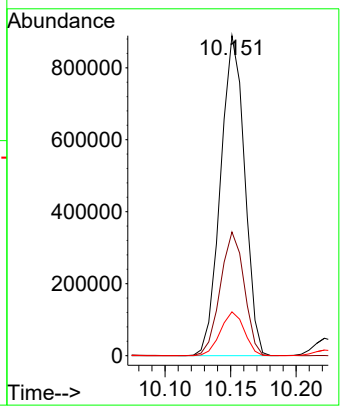


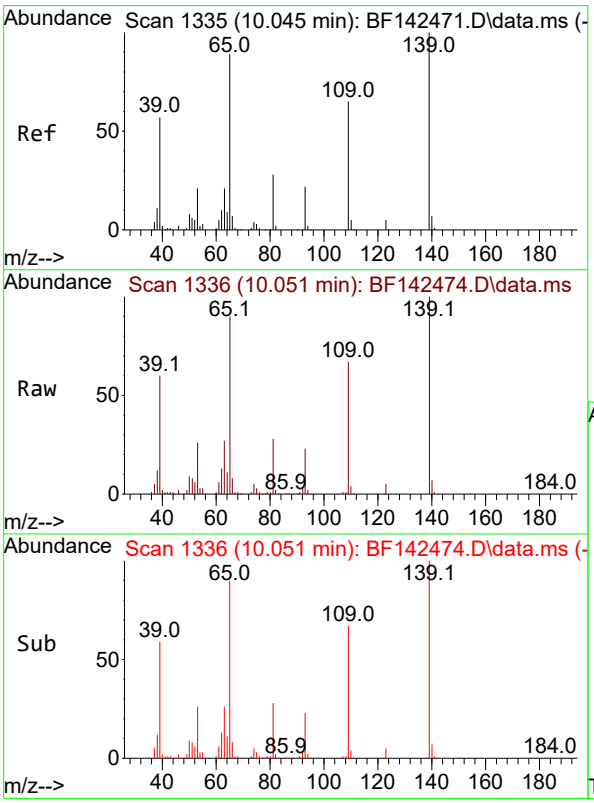
#55
Dibenzofuran
Concen: 70.990 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1136276

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.2	45.2
169	13.7	10.7	16.1

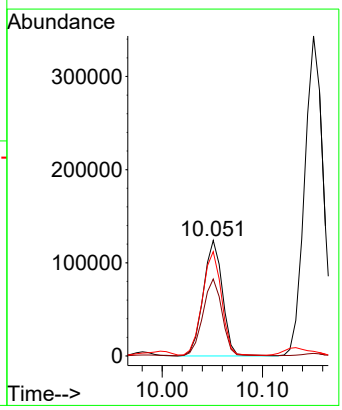


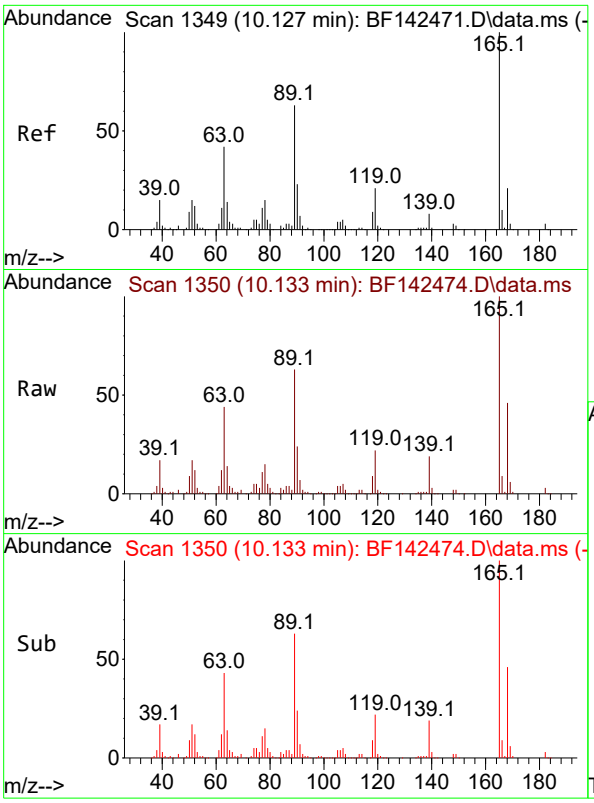


#56
4-Nitrophenol
Concen: 76.638 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:139 Resp: 165537

Ion	Ratio	Lower	Upper
139	100		
109	66.7	45.1	85.1
65	90.4	69.7	109.7



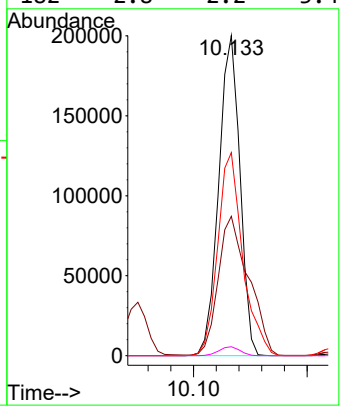


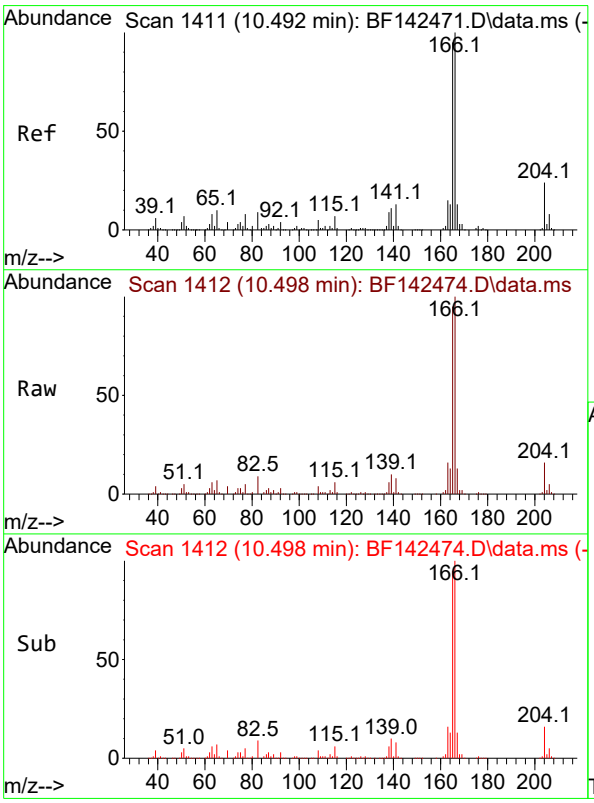
#57
2,4-Dinitrotoluene
Concen: 74.005 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 259035

Ion	Ratio	Lower	Upper
165	100		
63	43.5	33.6	50.4
89	63.5	50.2	75.4
182	2.8	2.2	3.4

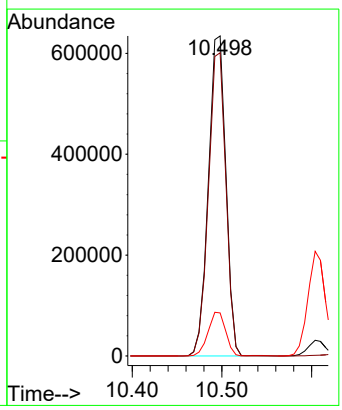


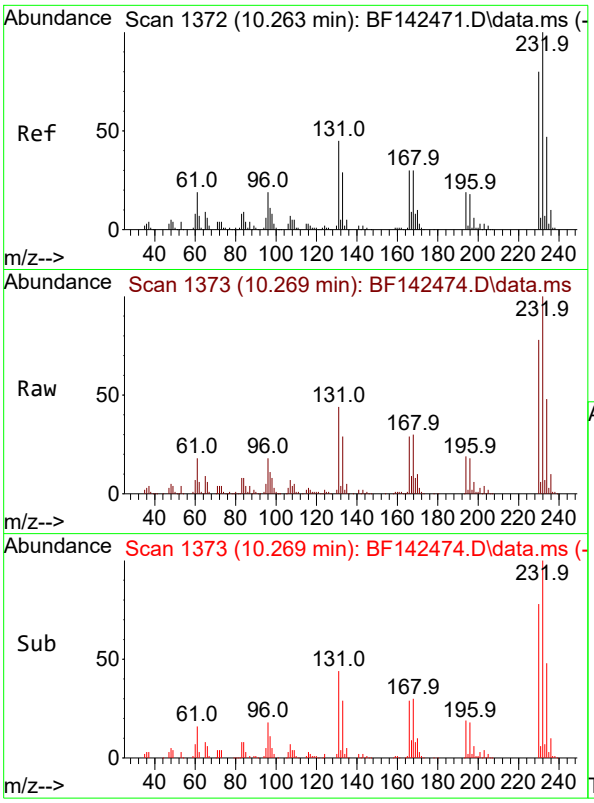


#58
Fluorene
Concen: 69.377 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:166 Resp: 857882

Ion	Ratio	Lower	Upper
166	100		
165	94.7	75.8	113.8
167	13.5	10.6	16.0



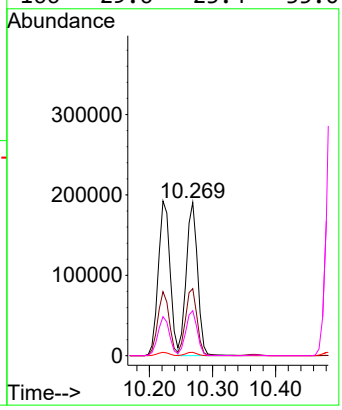


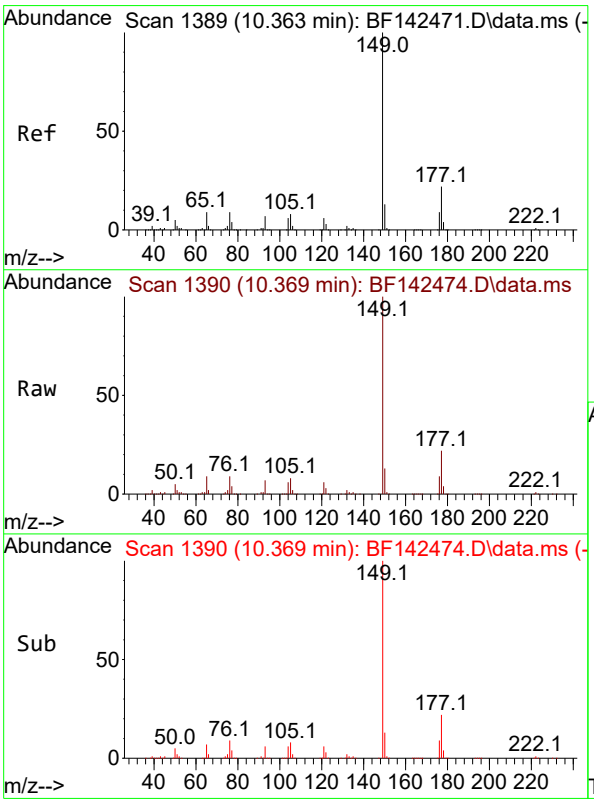
#59
2,3,4,6-Tetrachlorophenol
Concen: 74.324 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 238382

Ion	Ratio	Lower	Upper
232	100		
131	44.6	35.2	52.8
130	2.2	1.7	2.5
166	29.6	23.4	35.0

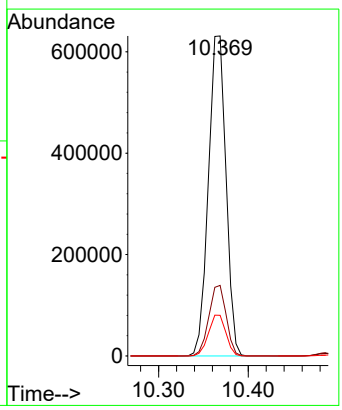


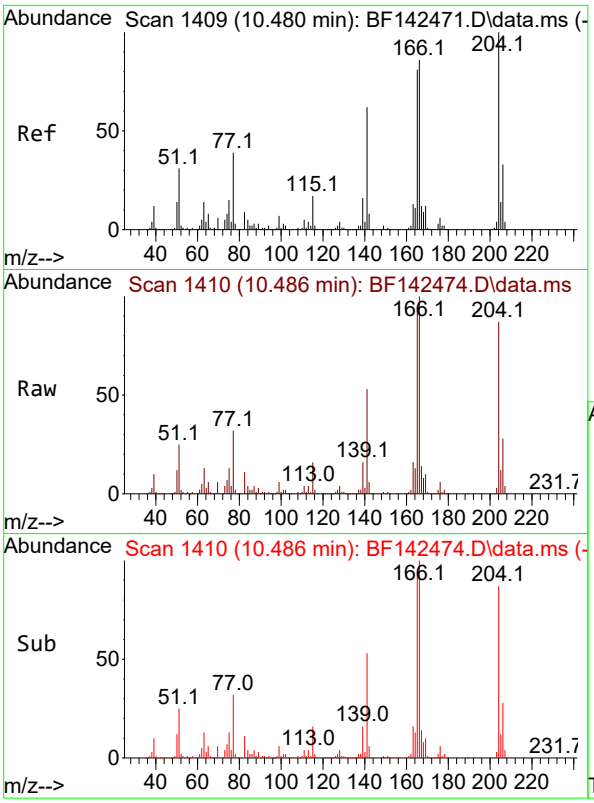


#60
Diethylphthalate
Concen: 70.773 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 858326

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.7	10.1	15.1



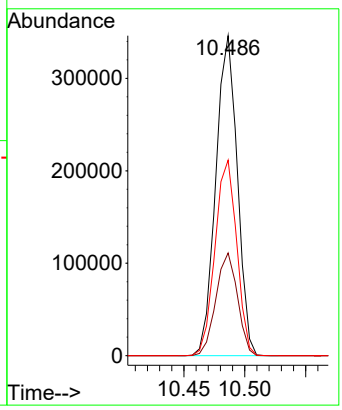


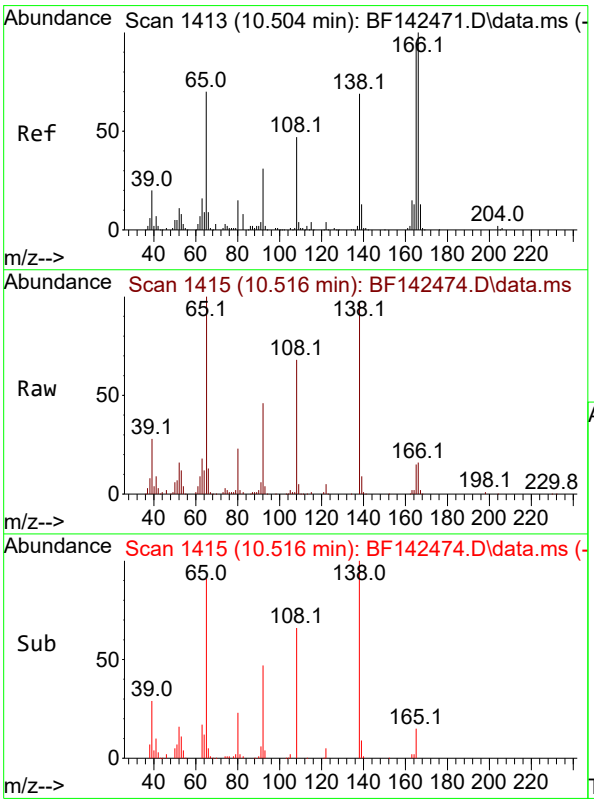
#61
4-Chlorophenyl-phenylether
Concen: 70.193 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 426386

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.3	39.5
141	61.1	49.5	74.3

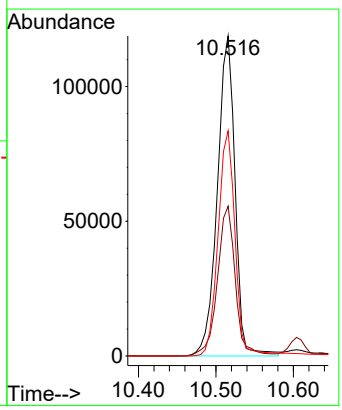


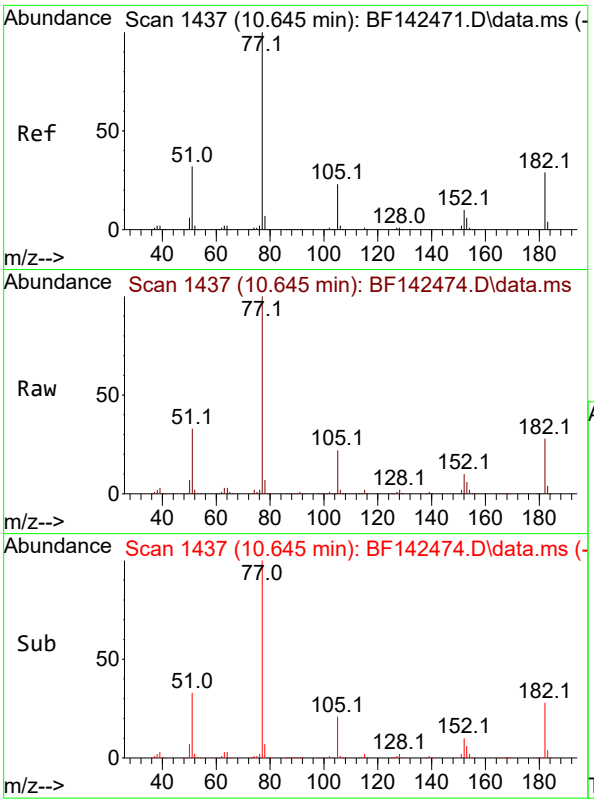


#62
4-Nitroaniline
Concen: 71.105 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:138 Resp: 188782

Ion	Ratio	Lower	Upper
138	100		
92	46.8	26.0	66.0
108	70.3	48.4	88.4



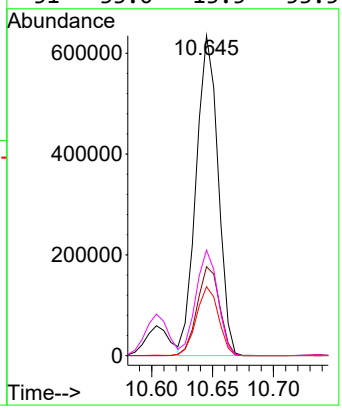


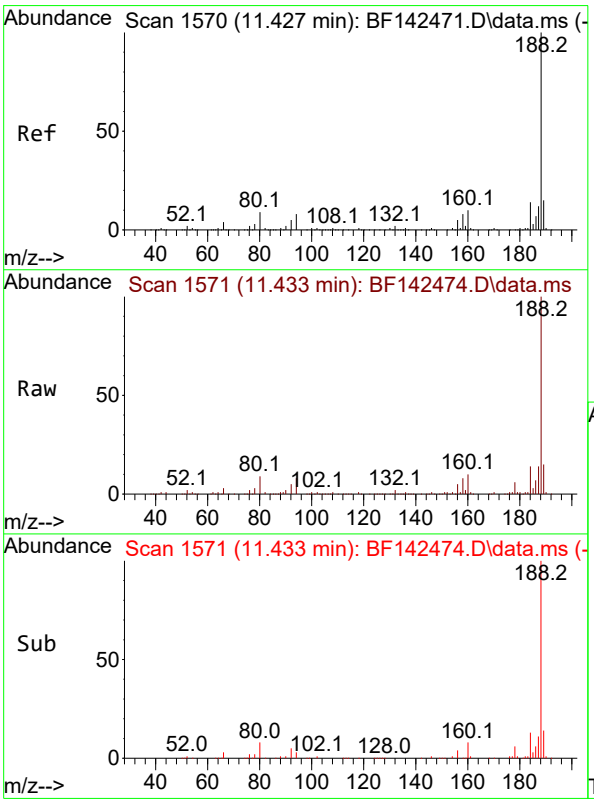
#63
Azobenzene
Concen: 72.893 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 794029

Ion	Ratio	Lower	Upper
77	100		
182	27.8	9.0	49.0
105	21.5	2.4	42.4
51	33.0	13.5	53.5

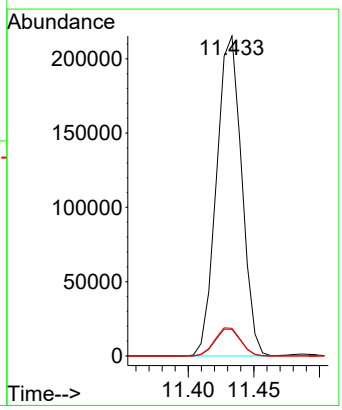


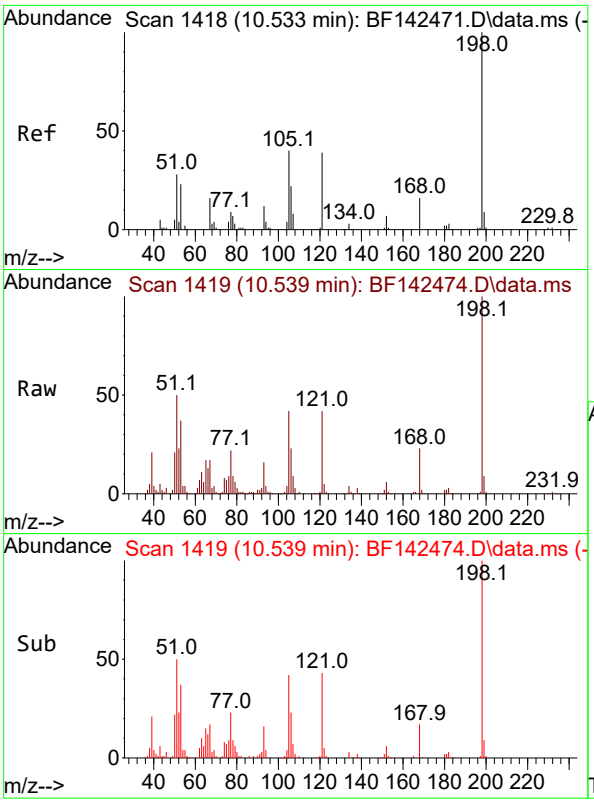


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:188 Resp: 287337

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	8.6	7.4	11.0



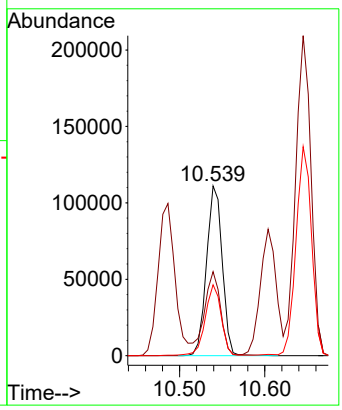


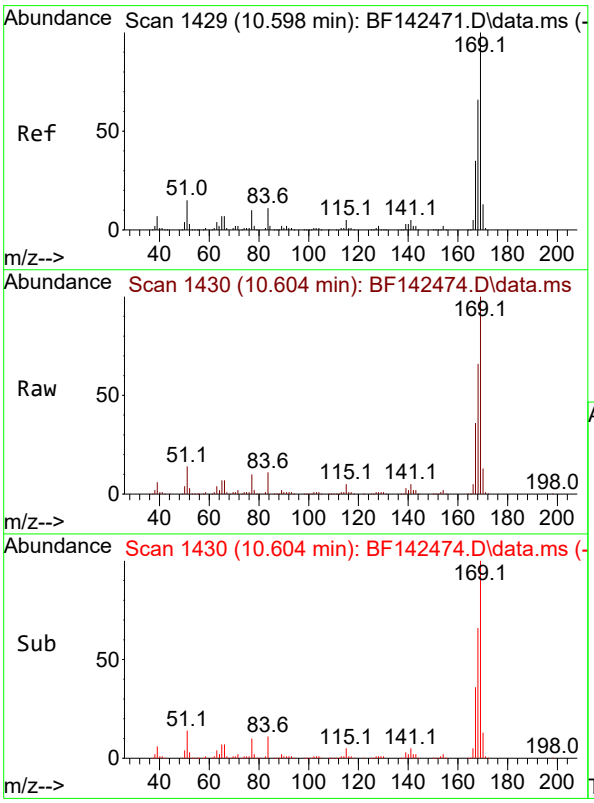
#65
4,6-Dinitro-2-methylphenol
Concen: 88.468 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 141863

Ion	Ratio	Lower	Upper
198	100		
51	49.5	28.3	68.3
105	41.7	21.3	61.3

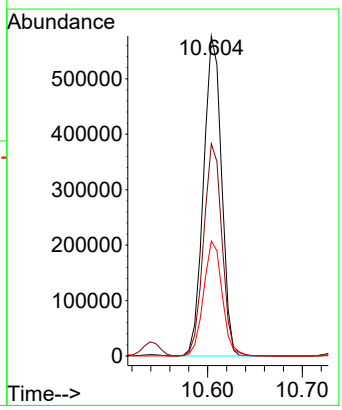


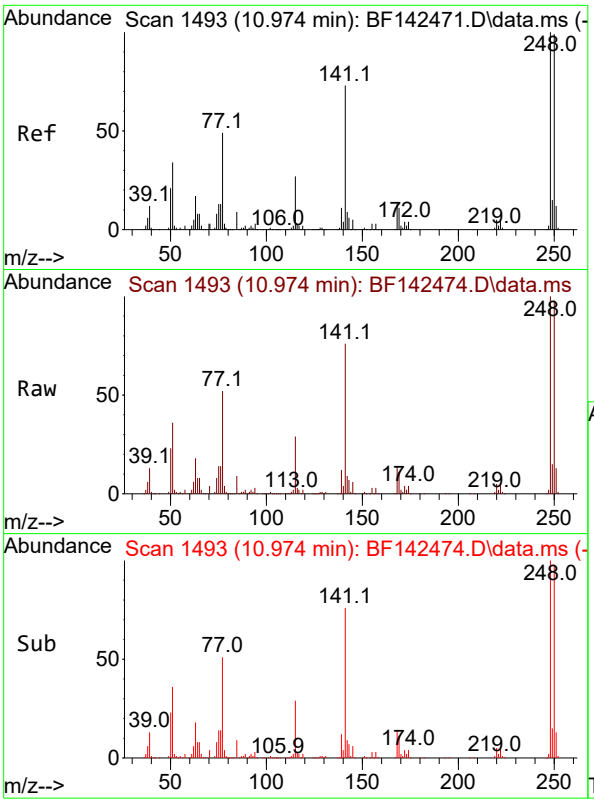


#66
n-Nitrosodiphenylamine
Concen: 77.145 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:169 Resp: 758366

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.9	28.3	42.5



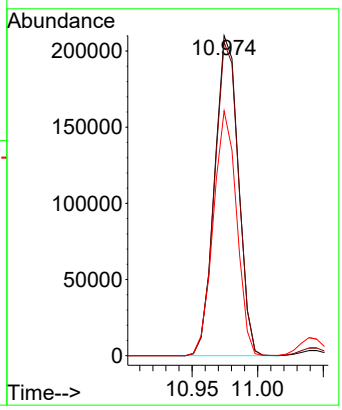


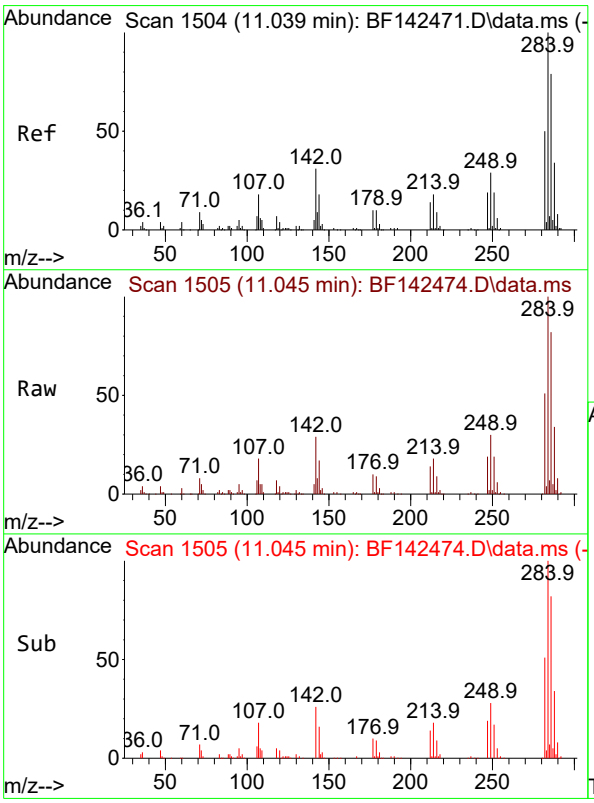
#67
4-Bromophenyl-phenylether
Concen: 77.920 ng
RT: 10.974 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 264739

Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.0	118.4
141	76.5	58.4	87.6

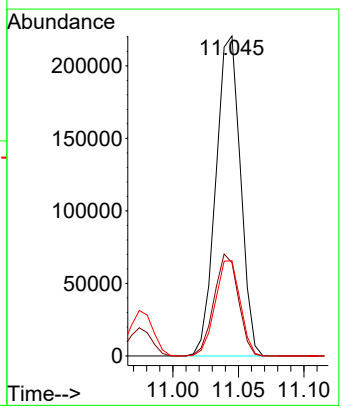


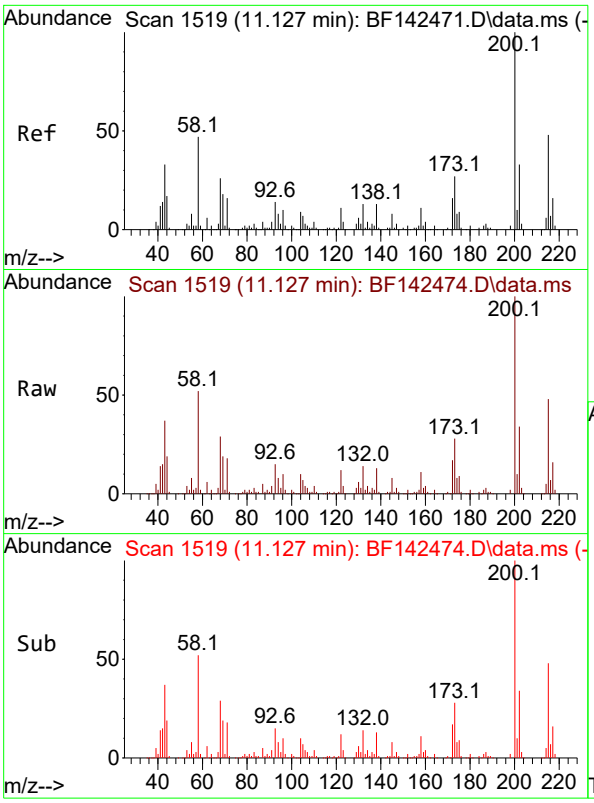


#68
Hexachlorobenzene
Concen: 76.555 ng
RT: 11.045 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:284 Resp: 287676

Ion	Ratio	Lower	Upper
284	100		
142	29.1	24.8	37.2
249	29.8	23.6	35.4



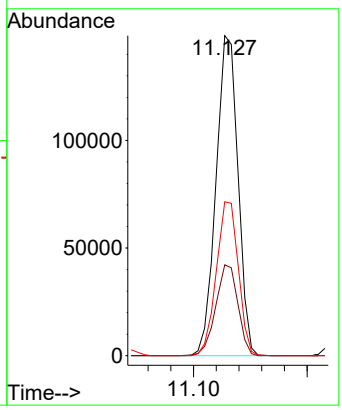


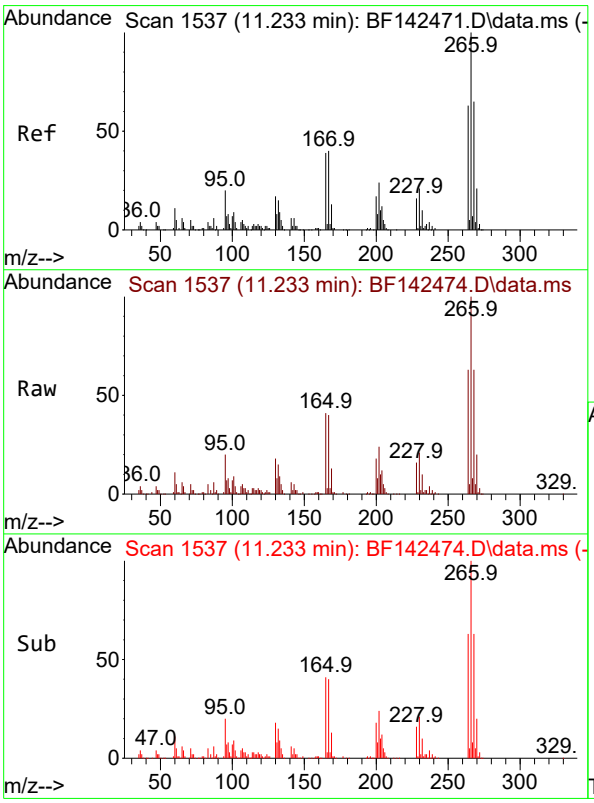
#69
Atrazine
Concen: 76.581 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 199929

Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	48.1	28.5	68.5

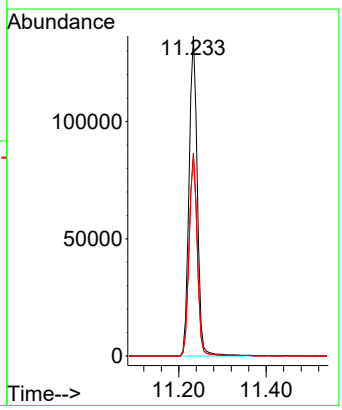


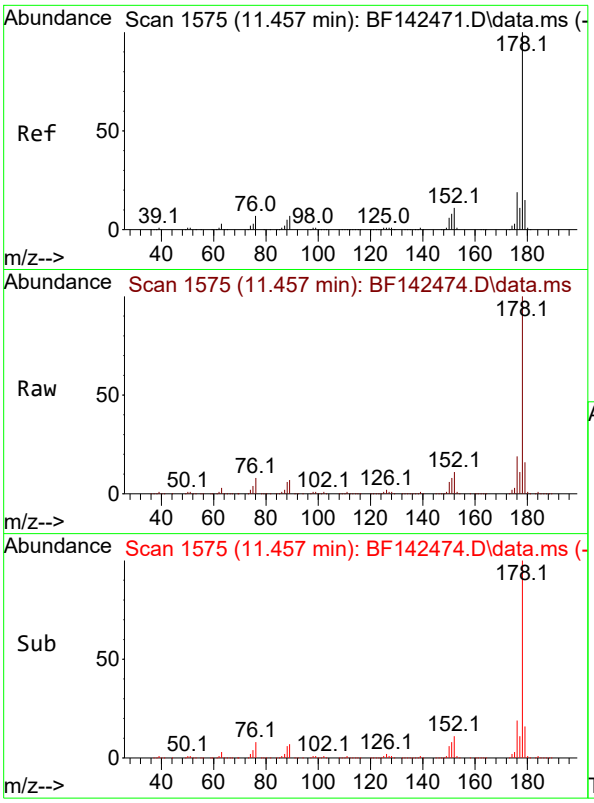


#70
Pentachlorophenol
Concen: 83.666 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:266 Resp: 177504

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.7	77.5
264	62.5	50.4	75.6



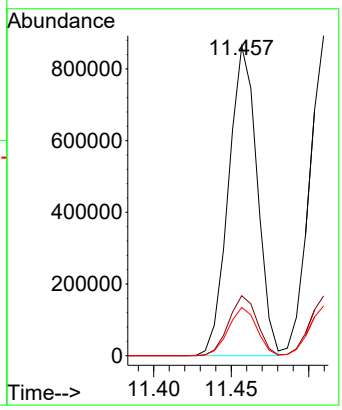


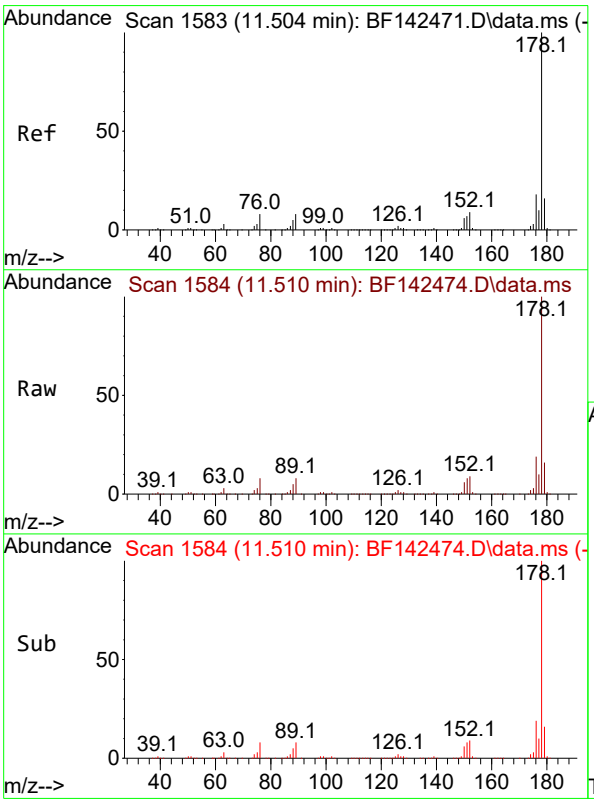
#71
Phenanthrene
Concen: 72.134 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1107683

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.3	18.5

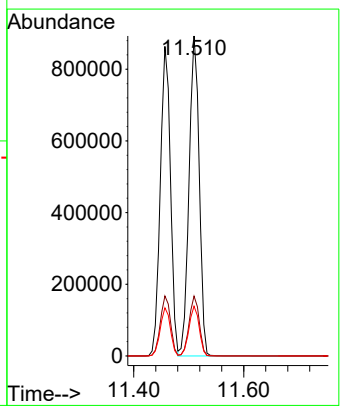


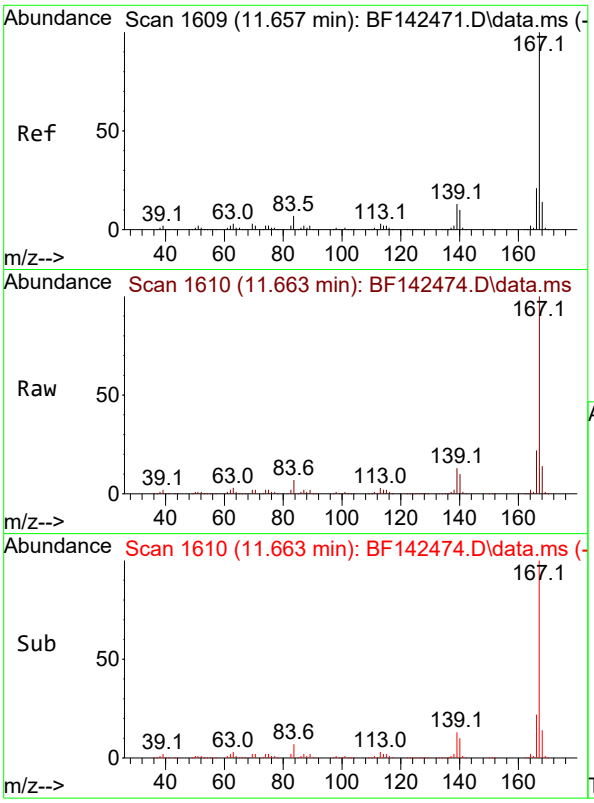


#72
Anthracene
Concen: 73.009 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:178 Resp: 1144182

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.5	12.4	18.6



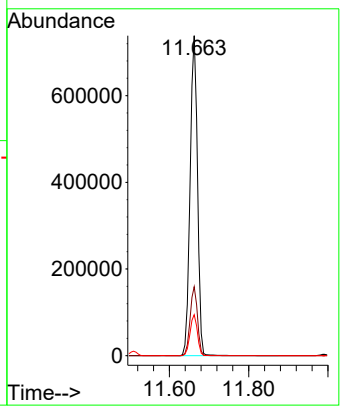


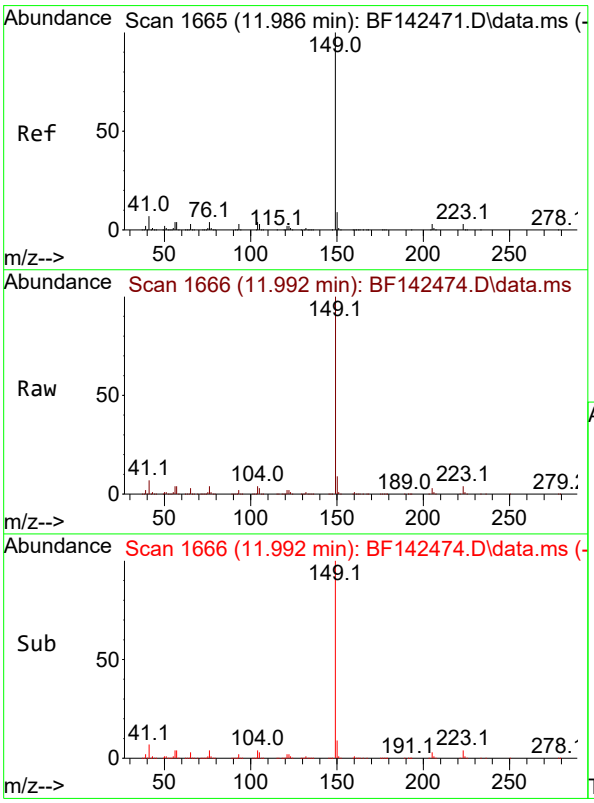
#73
Carbazole
Concen: 71.360 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 956069

Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.9	25.3
139	12.8	10.2	15.4

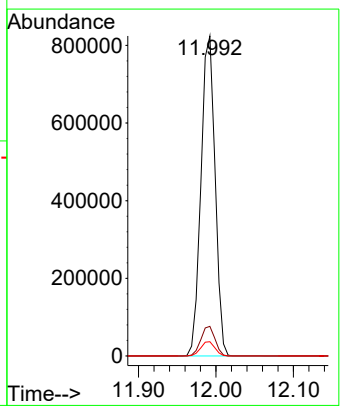


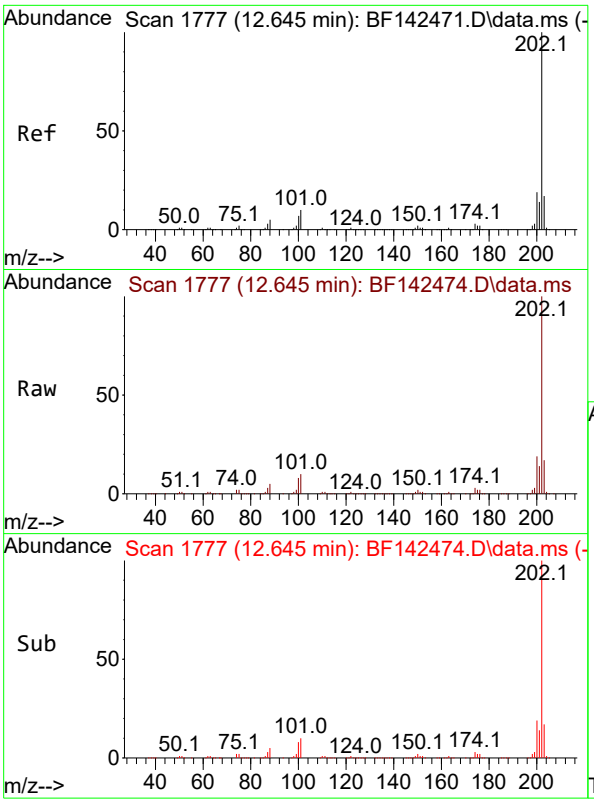


#74
Di-n-butylphthalate
Concen: 71.153 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 1043468

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.6	5.4



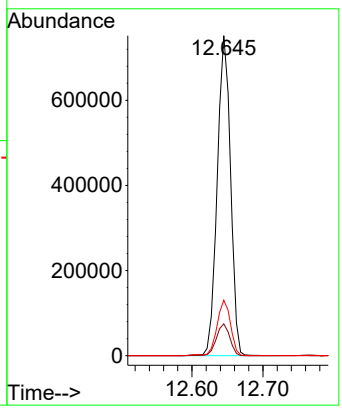


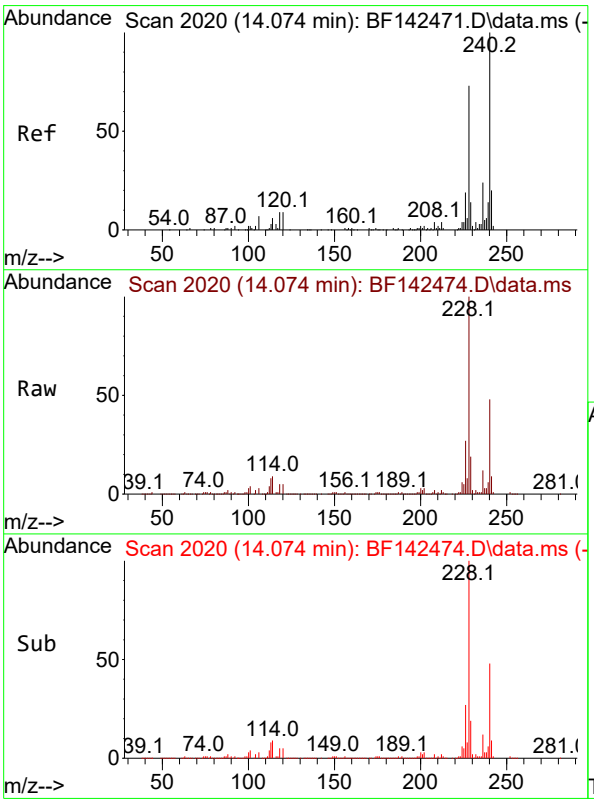
#75
Fluoranthene
Concen: 67.750 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 972105

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.6
203	17.4	0.0	37.2

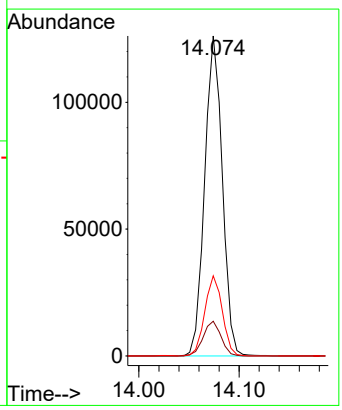


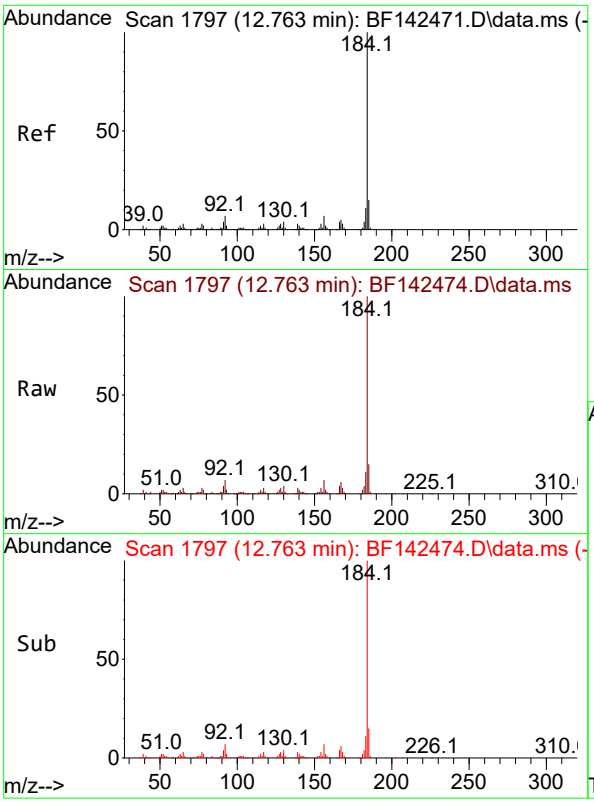


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:240 Resp: 154555

Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.5	11.3
236	25.1	19.6	29.4



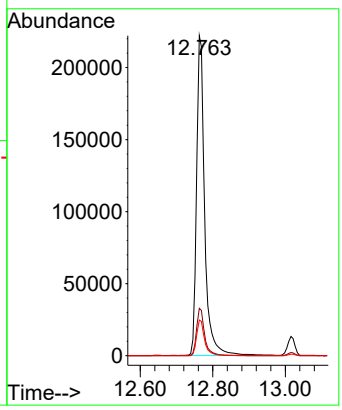


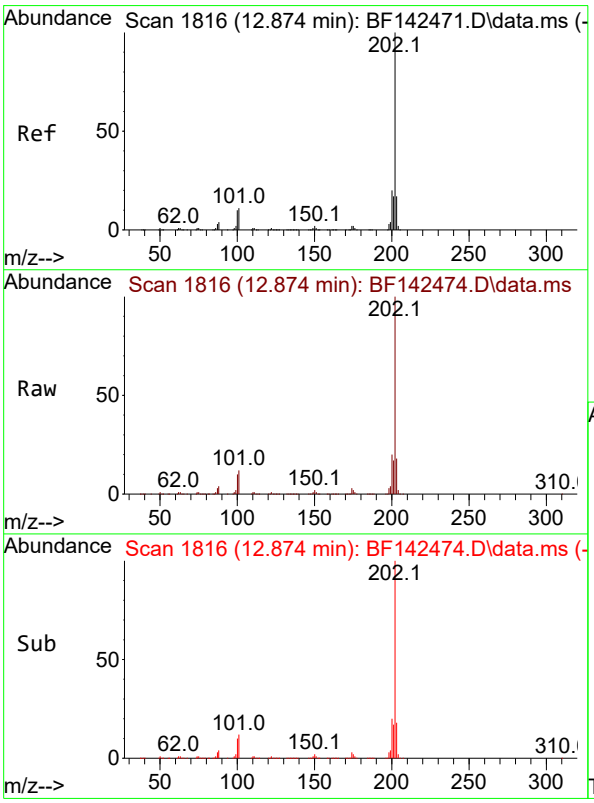
#77
Benzidine
Concen: 59.795 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 343909

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.6	17.4
183	11.2	9.0	13.4

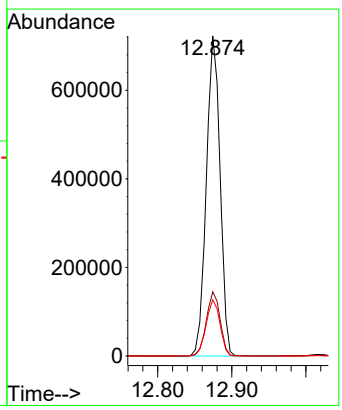


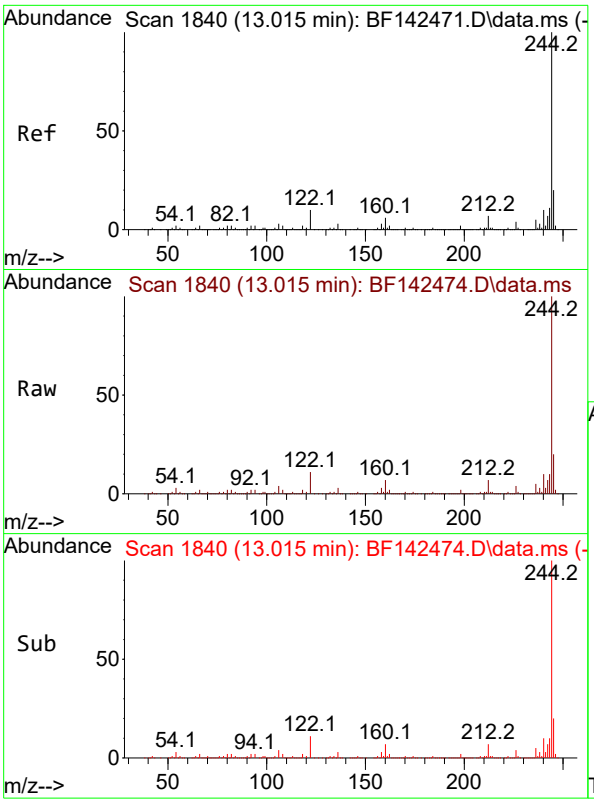


#78
Pyrene
Concen: 64.632 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:202 Resp: 931844

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.5	13.9	20.9



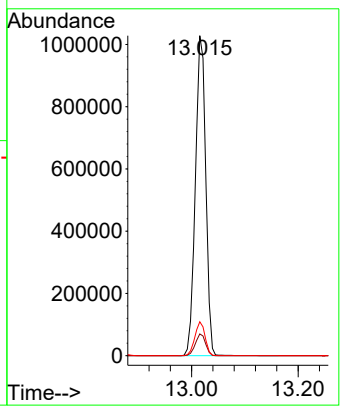


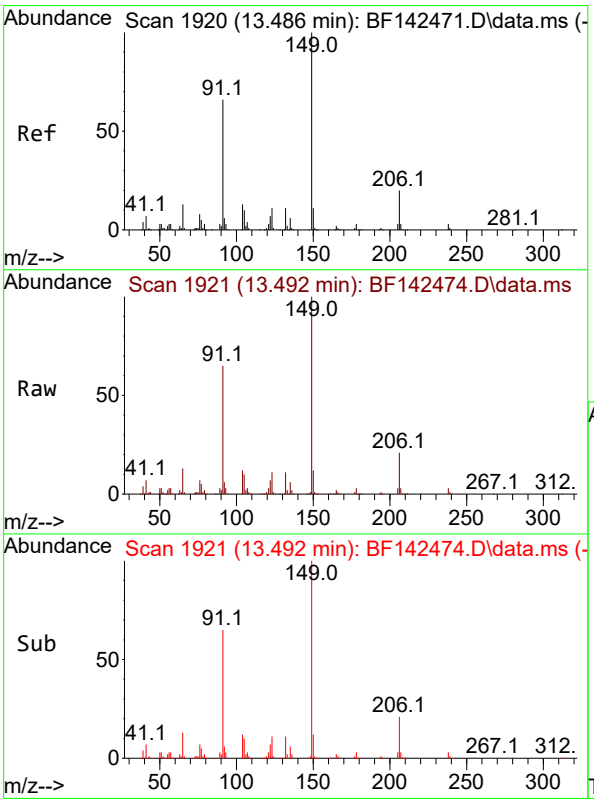
#79
Terphenyl-d14
Concen: 123.140 ng
RT: 13.015 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1392704

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.6	8.2	12.2

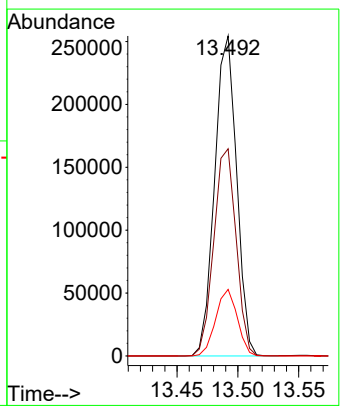


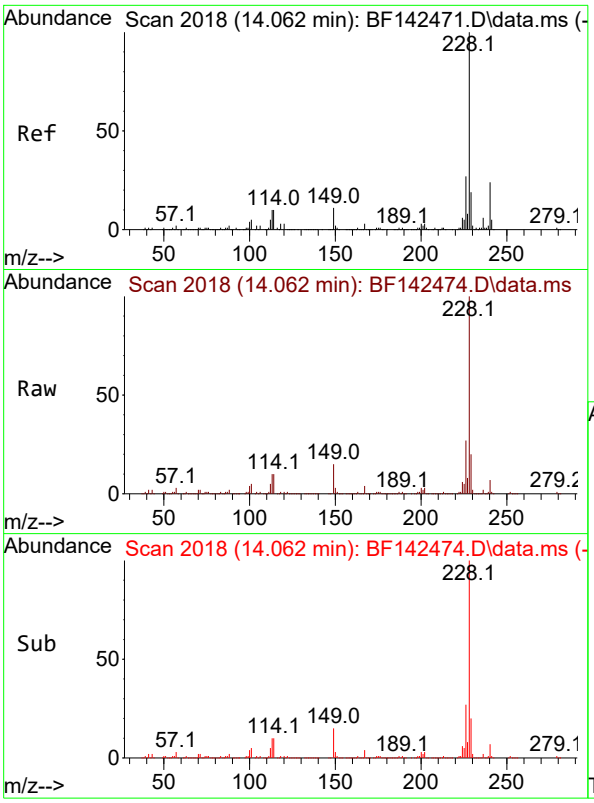


#80
Butylbenzylphthalate
Concen: 80.252 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 319716

Ion	Ratio	Lower	Upper
149	100		
91	64.7	52.9	79.3
206	20.8	16.2	24.2



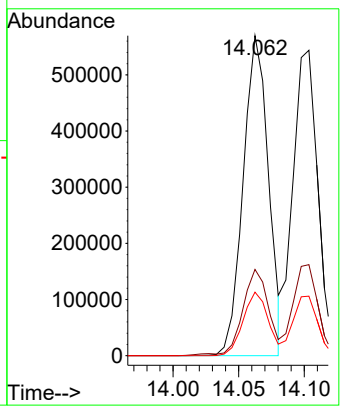


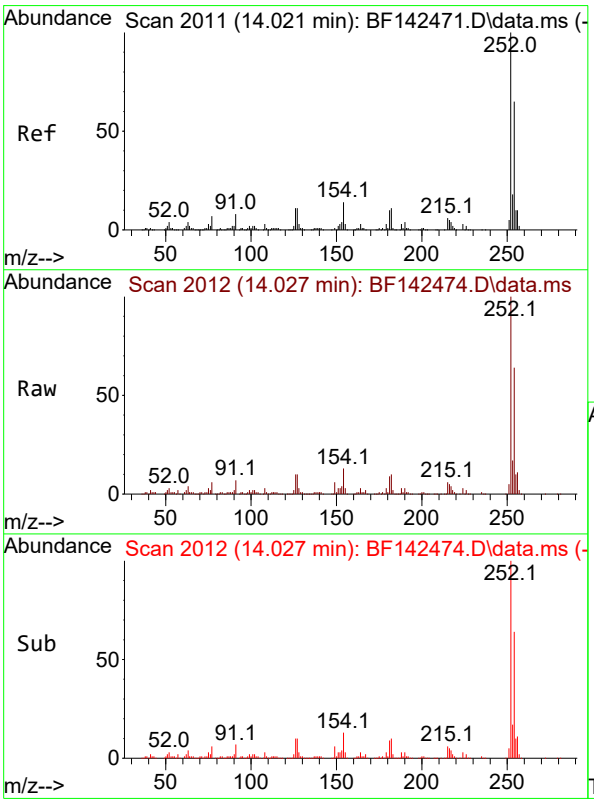
#81
Benzo(a)anthracene
Concen: 74.167 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 765441

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.2	31.8
229	19.9	15.5	23.3

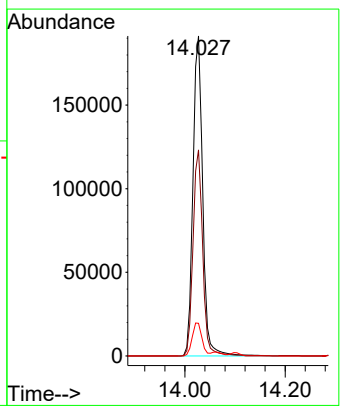


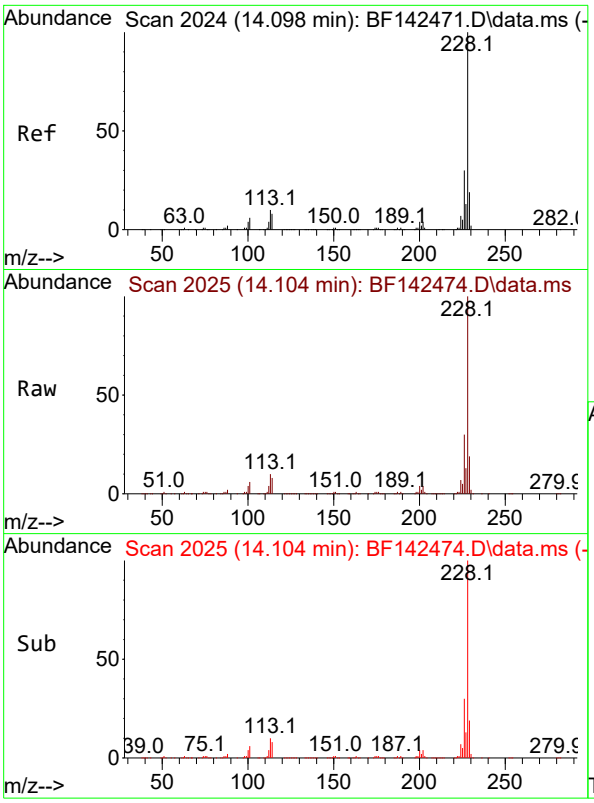


#82
3,3'-Dichlorobenzidine
Concen: 82.274 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 257542

Ion	Ratio	Lower	Upper
252	100		
254	64.4	52.0	78.0
126	10.2	8.9	13.3



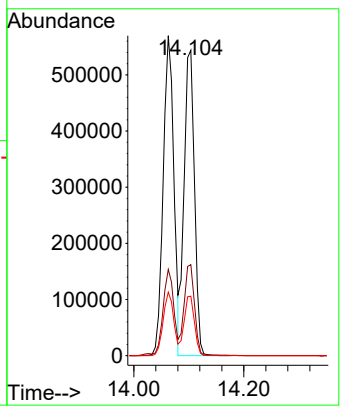


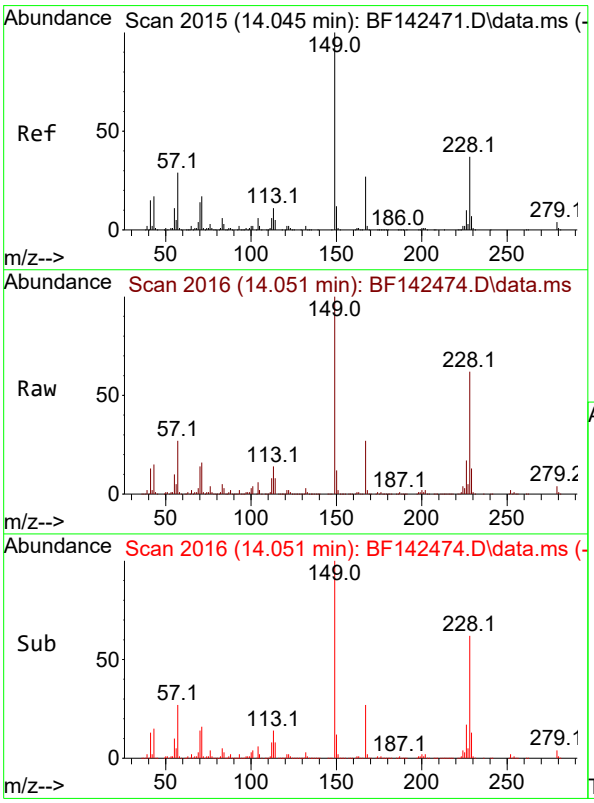
#83
Chrysene
Concen: 77.206 ng
RT: 14.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 715970

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.5	15.4	23.2

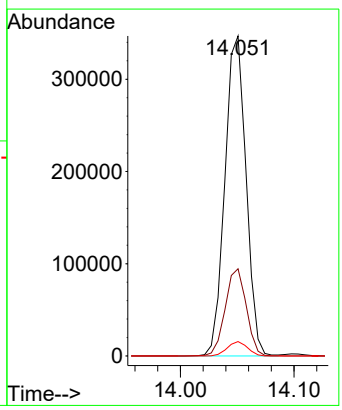


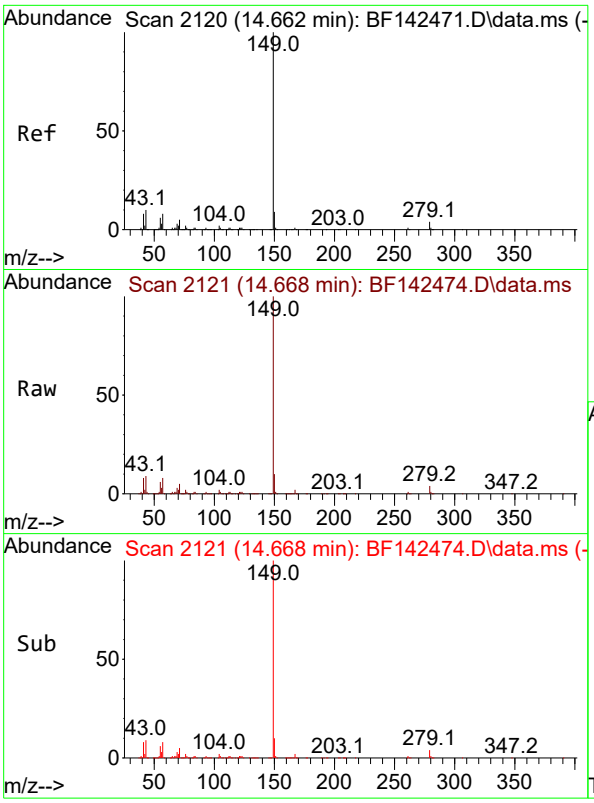


#84
Bis(2-ethylhexyl)phthalate
Concen: 88.168 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:149 Resp: 449654

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.5	32.3
279	4.5	3.2	4.8



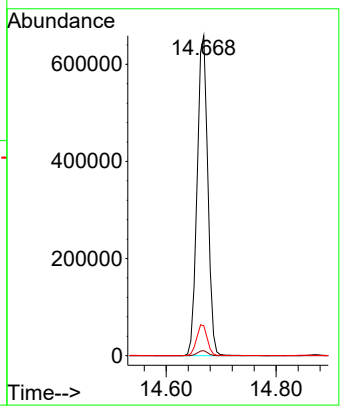


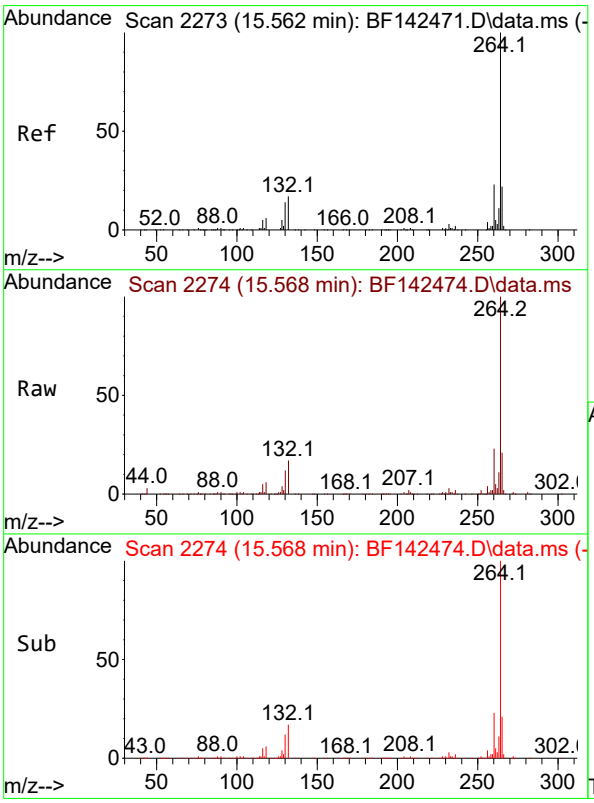
#85
Di-n-octyl phthalate
Concen: 89.073 ng
RT: 14.668 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 888230

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.7	7.9	11.9

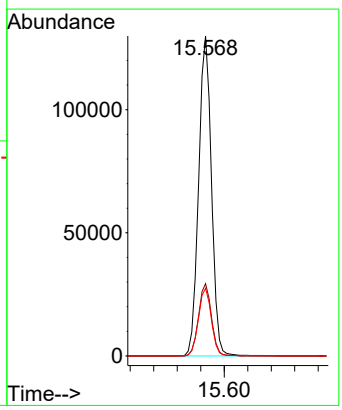


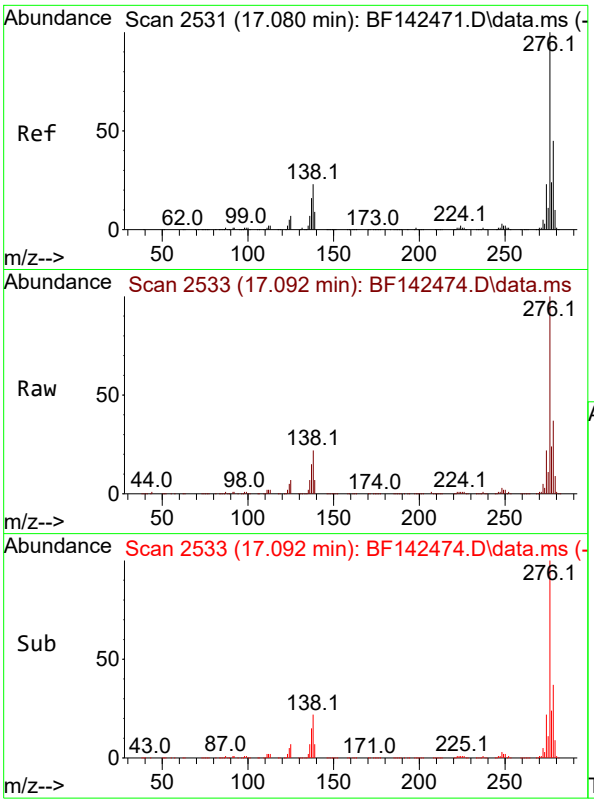


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:264 Resp: 196342

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	21.2	17.7	26.5



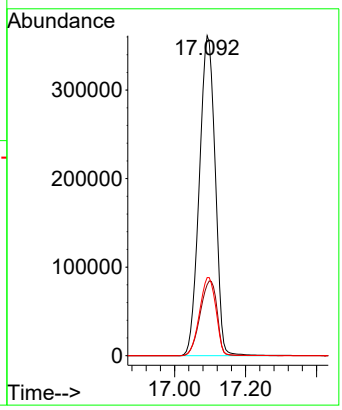


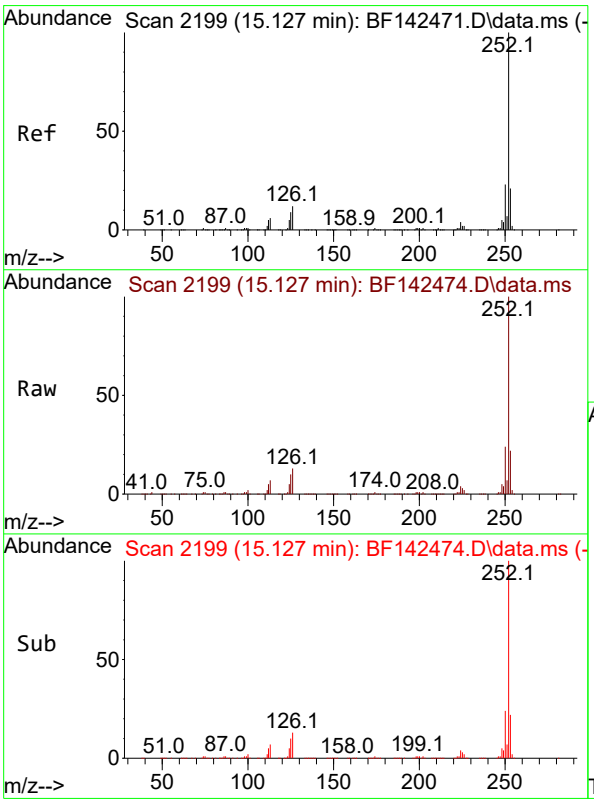
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.417 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1126401

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.9	29.9
277	25.2	20.2	30.2

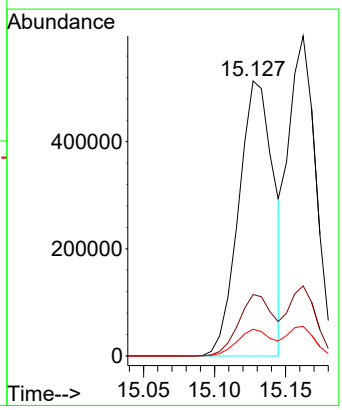


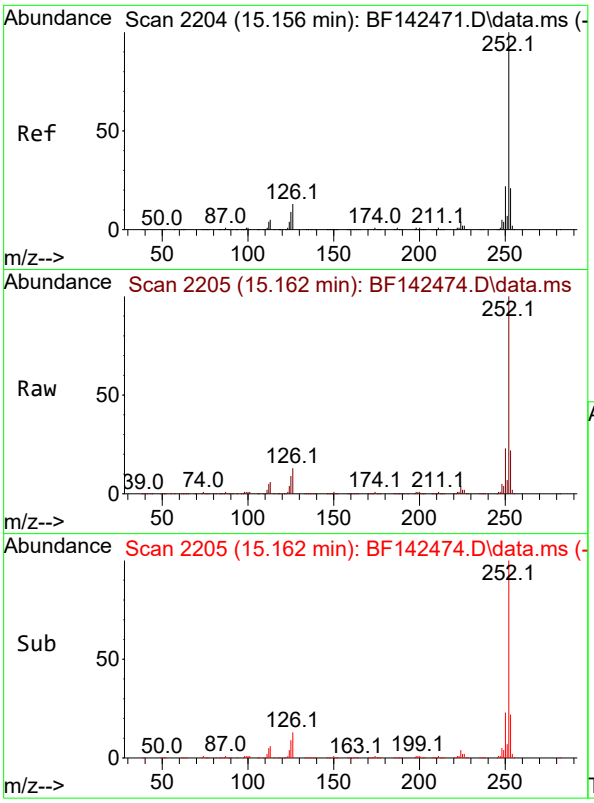


#88
Benzo(b)fluoranthene
Concen: 75.267 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 874640

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	9.7	7.4	11.0



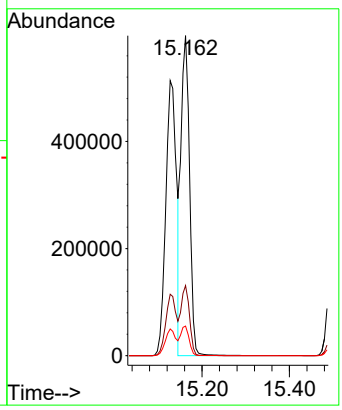


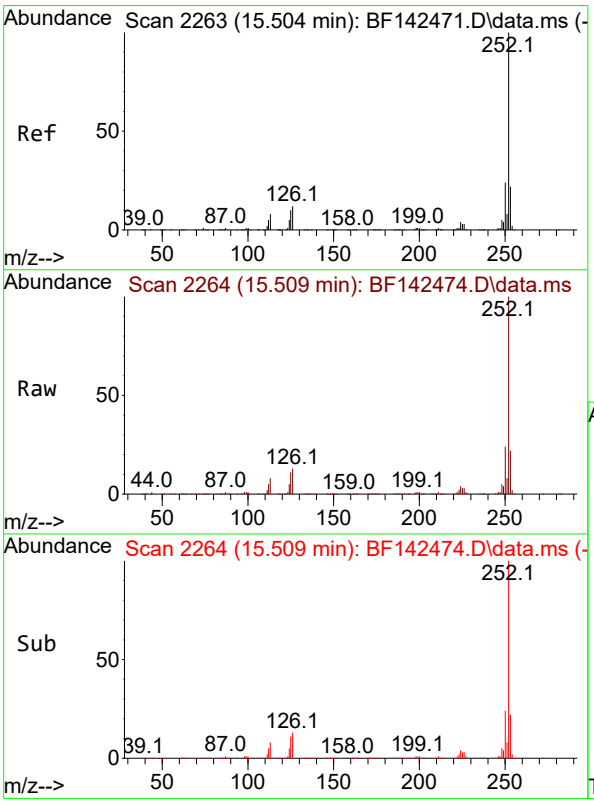
#89
Benzo(k)fluoranthene
Concen: 73.850 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 803775

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	9.2	7.3	10.9

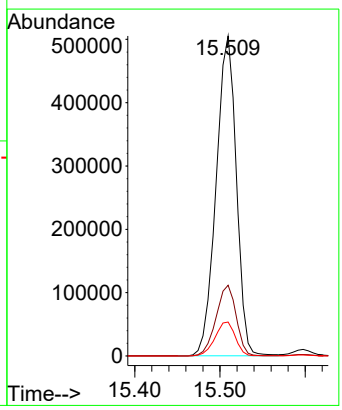


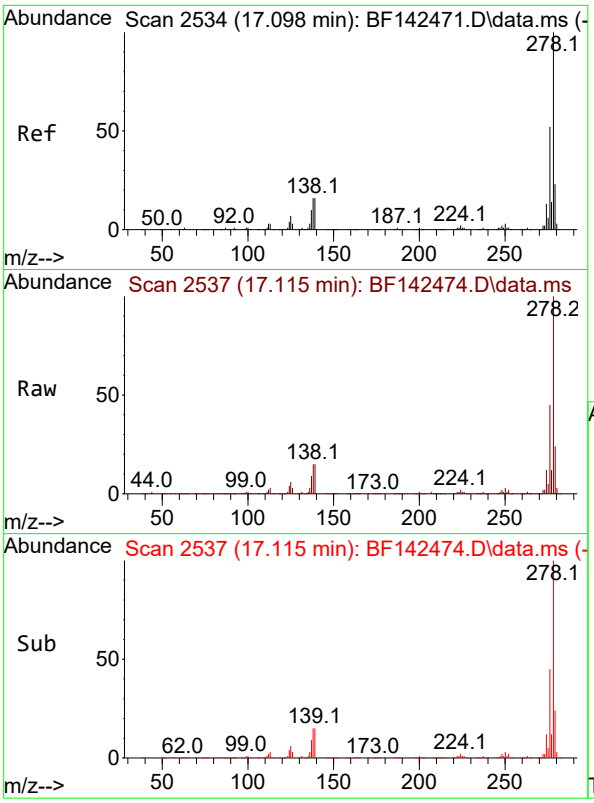


#90
Benzo(a)pyrene
Concen: 76.121 ng
RT: 15.509 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:252 Resp: 833783

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.6	7.9	11.9



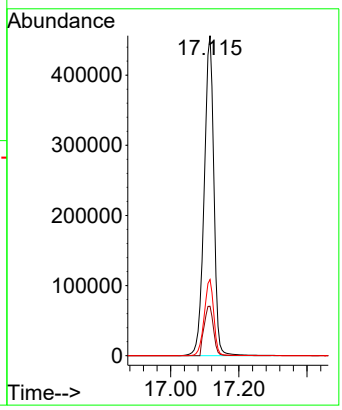


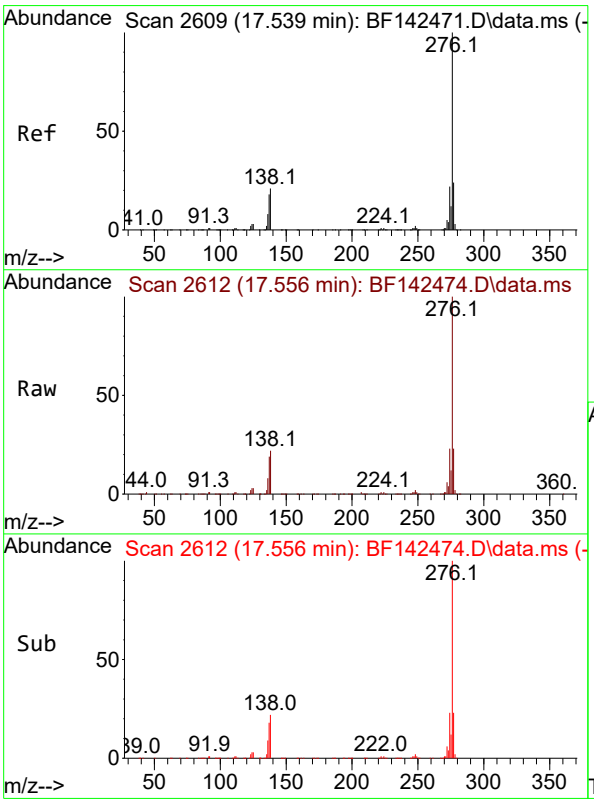
#91
Dibenzo(a,h)anthracene
Concen: 75.513 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 902757

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.8	19.2
279	23.8	18.6	28.0

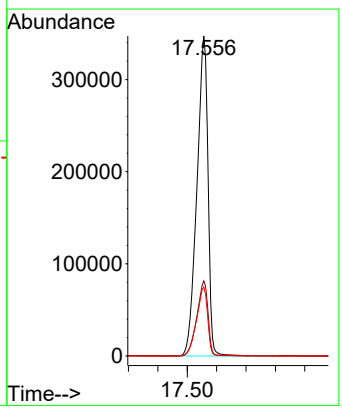




#92
Benzo(g,h,i)perylene
Concen: 76.073 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.000 min
Lab File: BF142474.D
Acq: 20 May 2025 15:31

Tgt Ion:276 Resp: 909649

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	21.6	16.8	25.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	99411	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	385222	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	213164	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	348749	20.000	ng	0.00
76) Chrysene-d12	14.074	240	171632	20.000	ng	0.00
86) Perylene-d12	15.562	264	195956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	443470	75.157	ng	0.00
7) Phenol-d6	6.522	99	539999	76.025	ng	-0.01
23) Nitrobenzene-d5	7.463	82	545967	77.283	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	179309	75.790	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1152622	72.557	ng	0.00
79) Terphenyl-d14	13.016	244	976059	77.714	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	90159	38.184	ng	99
3) Pyridine	3.434	79	232139	38.607	ng	99
4) n-Nitrosodimethylamine	3.381	42	121742	38.995	ng	99
6) Aniline	6.563	93	366889	38.415	ng	99
8) 2-Chlorophenol	6.681	128	243599	37.902	ng	97
9) Benzaldehyde	6.451	77	165445	38.726	ng	98
10) Phenol	6.539	94	306601	38.362	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	220228	38.280	ng	100
12) 1,3-Dichlorobenzene	6.839	146	269504	37.579	ng	100
13) 1,4-Dichlorobenzene	6.922	146	275076	38.078	ng	98
14) 1,2-Dichlorobenzene	7.069	146	260709	37.716	ng	100
15) Benzyl Alcohol	7.039	79	202944	38.663	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	366430	37.927	ng	100
17) 2-Methylphenol	7.145	107	193190	38.500	ng	99
18) Hexachloroethane	7.416	117	96202	38.137	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	166542	37.833	ng	99
20) 3+4-Methylphenols	7.304	107	244310	38.020	ng	100
22) Acetophenone	7.310	105	325056	38.118	ng	100
24) Nitrobenzene	7.486	77	246818	38.737	ng	100
25) Isophorone	7.722	82	447723	37.906	ng	99
26) 2-Nitrophenol	7.798	139	136039	39.958	ng	99
27) 2,4-Dimethylphenol	7.833	122	233871	38.953	ng	99
28) bis(2-Chloroethoxy)met...	7.934	93	283379	38.407	ng	99
29) 2,4-Dichlorophenol	8.039	162	209040	38.285	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	226285	38.187	ng	98
31) Naphthalene	8.210	128	722913	38.112	ng	100
32) Benzoic acid	7.939	122	147981	40.490	ng	98
33) 4-Chloroaniline	8.251	127	299462	38.962	ng	99
34) Hexachlorobutadiene	8.322	225	142496	38.512	ng	99
35) Caprolactam	8.622	113	60055	39.162	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	216299	38.654	ng	99
37) 2-Methylnaphthalene	8.898	142	454200	38.062	ng	100
38) 1-Methylnaphthalene	8.998	142	471880	38.229	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	229514	37.508	ng	99
41) Hexachlorocyclopentadiene	9.051	237	165077	39.991	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	156603	37.954	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	164342	37.766	ng		99
46) 1,1'-Biphenyl	9.363	154	619947	37.487	ng		100
47) 2-Chloronaphthalene	9.386	162	461414	37.763	ng		99
48) 2-Nitroaniline	9.480	65	137268	38.867	ng		99
49) Acenaphthylene	9.804	152	776377	37.630	ng		100
50) Dimethylphthalate	9.663	163	523004	37.184	ng		100
51) 2,6-Dinitrotoluene	9.722	165	115938	38.191	ng		98
52) Acenaphthene	9.975	154	477197	37.877	ng		100
53) 3-Nitroaniline	9.892	138	126814	38.246	ng		98
54) 2,4-Dinitrophenol	9.992	184	65057	41.481	ng	#	35
55) Dibenzofuran	10.145	168	673871	37.170	ng		100
56) 4-Nitrophenol	10.045	139	96197	39.320	ng		98
57) 2,4-Dinitrotoluene	10.127	165	152488	38.463	ng		99
58) Fluorene	10.492	166	513487	36.662	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	138047	38.000	ng		98
60) Diethylphthalate	10.363	149	519861	37.844	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	254467	36.985	ng		99
62) 4-Nitroaniline	10.504	138	114671	38.132	ng		100
63) Azobenzene	10.645	77	466131	37.780	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	82393	42.334	ng		99
66) n-Nitrosodiphenylamine	10.598	169	454975	38.132	ng		99
67) 4-Bromophenyl-phenylether	10.974	248	157480	38.189	ng		99
68) Hexachlorobenzene	11.039	284	175840	38.554	ng		99
69) Atrazine	11.127	200	125293	39.541	ng		99
70) Pentachlorophenol	11.227	266	105232	40.866	ng		98
71) Phenanthrene	11.457	178	698503	37.478	ng		100
72) Anthracene	11.504	178	723416	38.032	ng		100
73) Carbazole	11.657	167	622812	38.300	ng		100
74) Di-n-butylphthalate	11.986	149	686988	38.596	ng		100
75) Fluoranthene	12.645	202	652697	37.479	ng		100
77) Benzidine	12.763	184	271606	42.525	ng		100
78) Pyrene	12.874	202	642163	40.108	ng		100
80) Butylbenzylphthalate	13.492	149	178179	40.275	ng		97
81) Benzo(a)anthracene	14.063	228	435297	37.981	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	135132	38.874	ng		100
83) Chrysene	14.098	228	388943	37.768	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	229915	40.596	ng		99
85) Di-n-octyl phthalate	14.662	149	443488	40.048	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	574771	39.070	ng		100
88) Benzo(b)fluoranthene	15.121	252	433704	37.396	ng		98
89) Benzo(k)fluoranthene	15.157	252	404679	37.255	ng		99
90) Benzo(a)pyrene	15.504	252	421730	38.578	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	463752	38.868	ng		100
92) Benzo(g,h,i)perylene	17.539	276	457604	38.345	ng		99

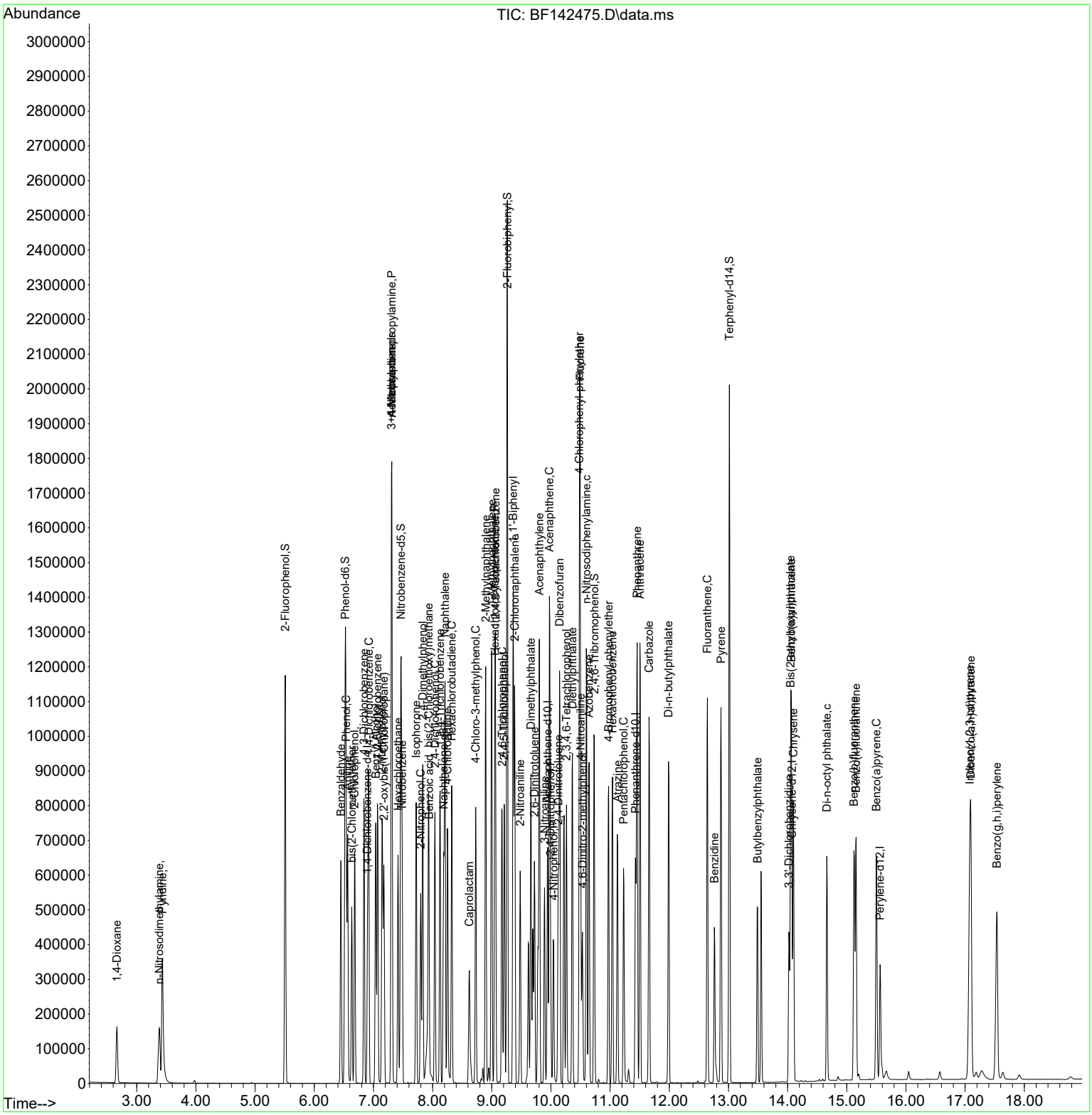
(#) = qualifier out of range (m) = manual integration (+) = signals summed

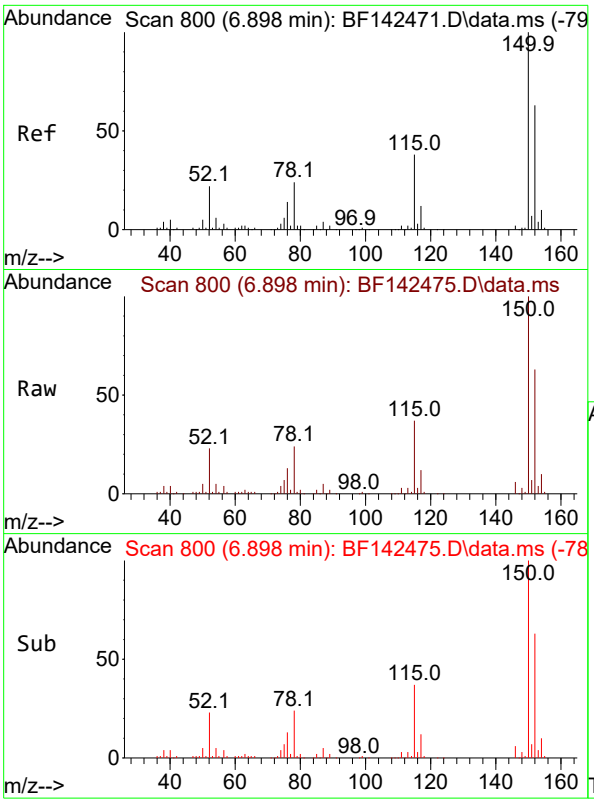
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



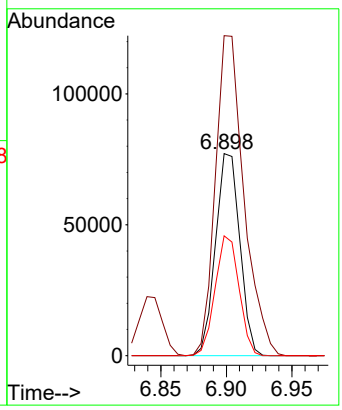


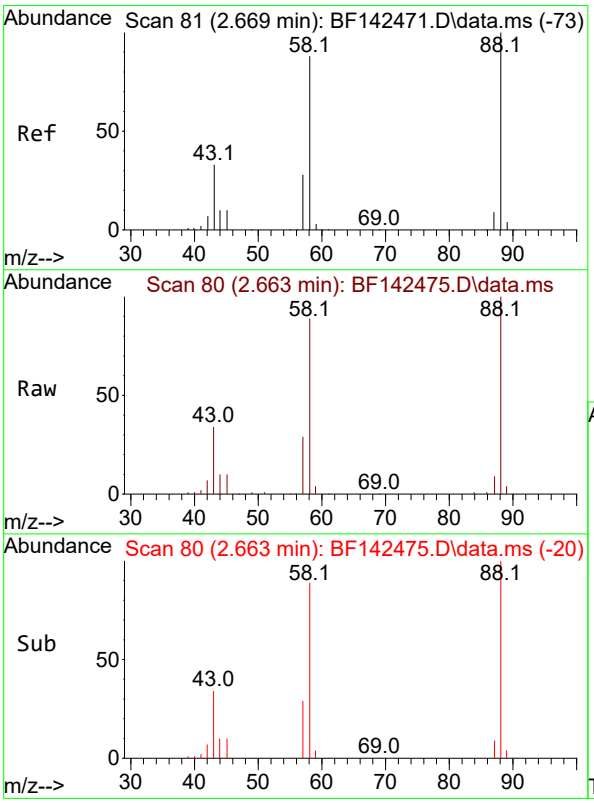
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:152 Resp: 99411

Ion	Ratio	Lower	Upper
152	100		
150	158.4	128.2	192.4
115	59.3	48.3	72.5

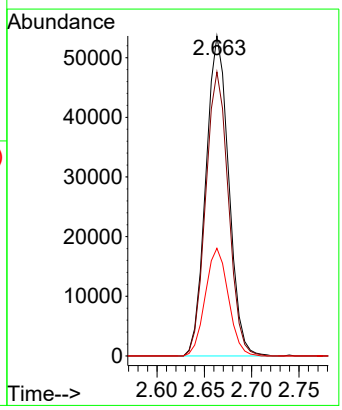


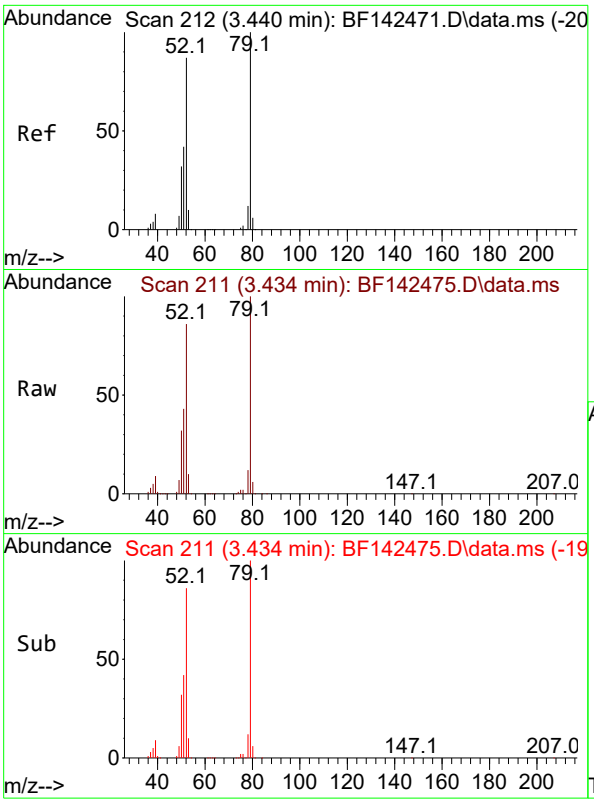


#2
1,4-Dioxane
Concen: 38.184 ng
RT: 2.663 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 88 Resp: 90159

Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.8	106.2
43	33.9	26.6	40.0



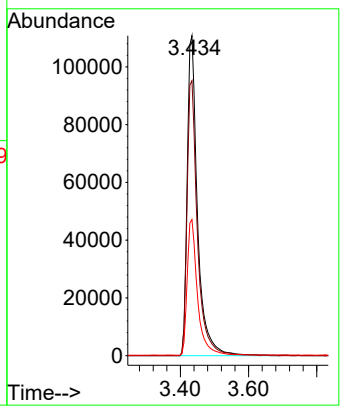


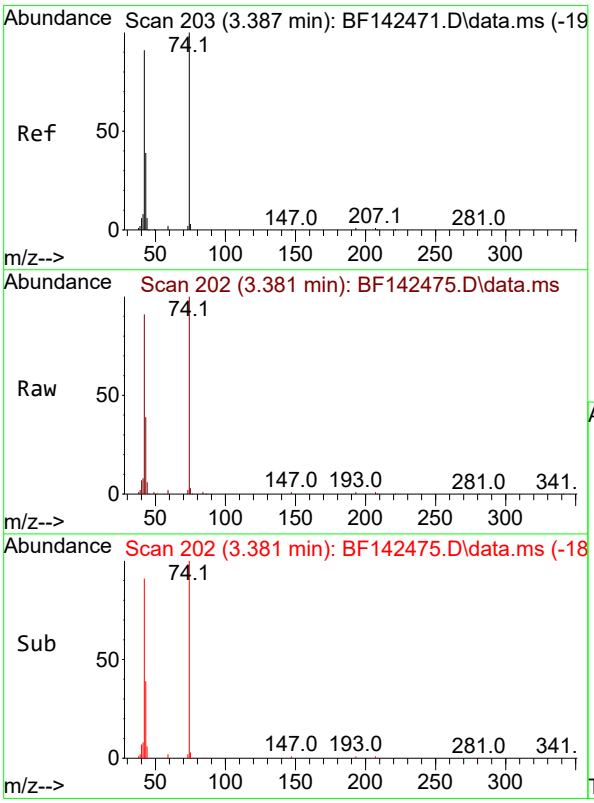
#3
Pyridine
Concen: 38.607 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 79 Resp: 232139

Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.2	103.8
51	42.6	33.3	49.9

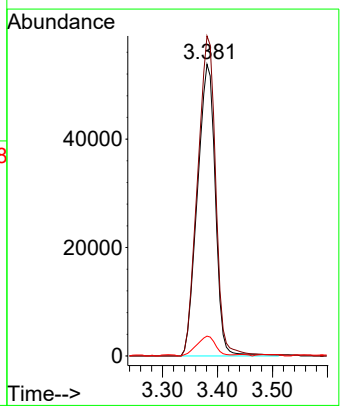


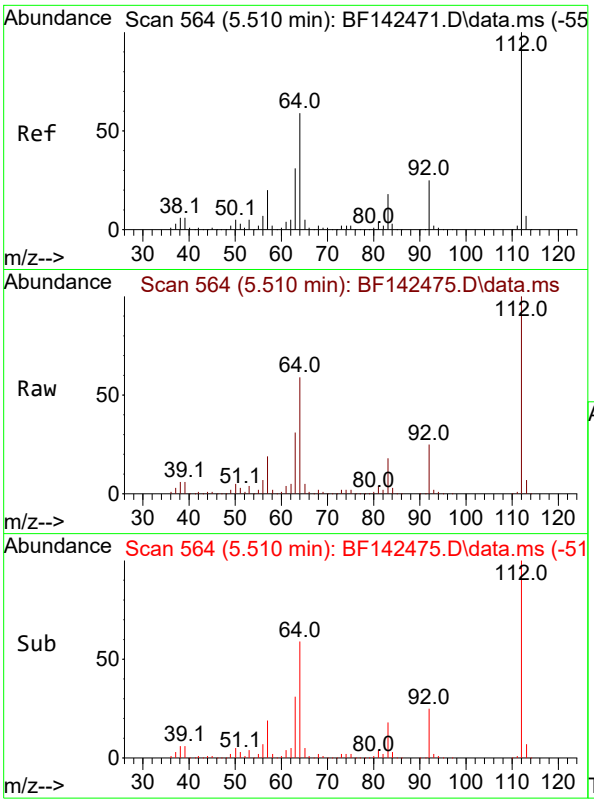


#4
n-Nitrosodimethylamine
Concen: 38.995 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.023 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 42 Resp: 121742

Ion	Ratio	Lower	Upper
42	100		
74	109.7	88.2	132.4
44	6.8	5.4	8.2



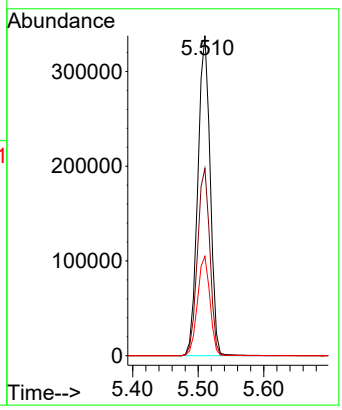


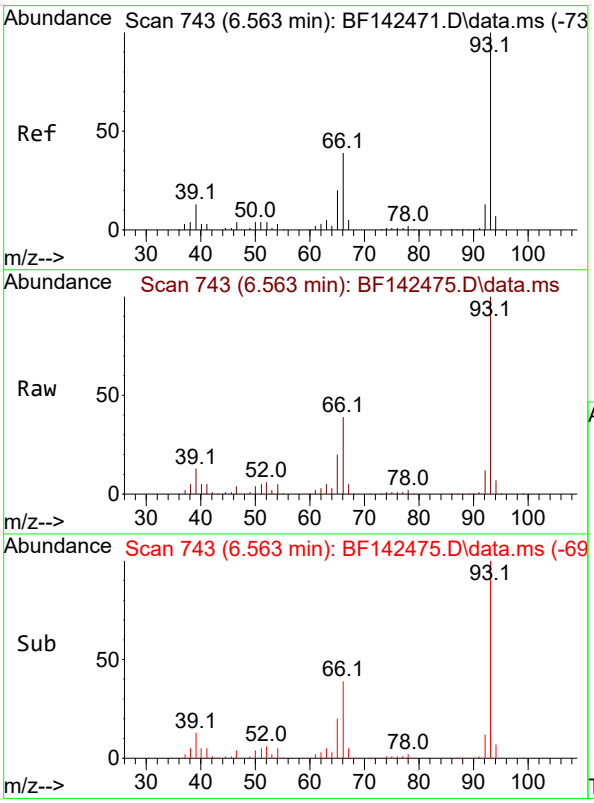
#5
2-Fluorophenol
Concen: 75.157 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:112 Resp: 443470

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.5	71.3
63	31.1	24.9	37.3

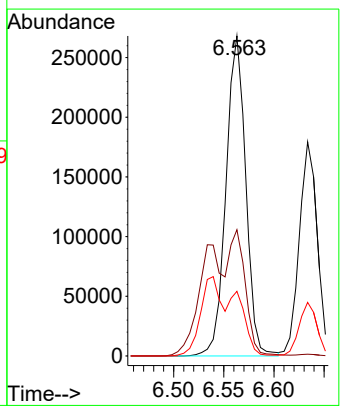




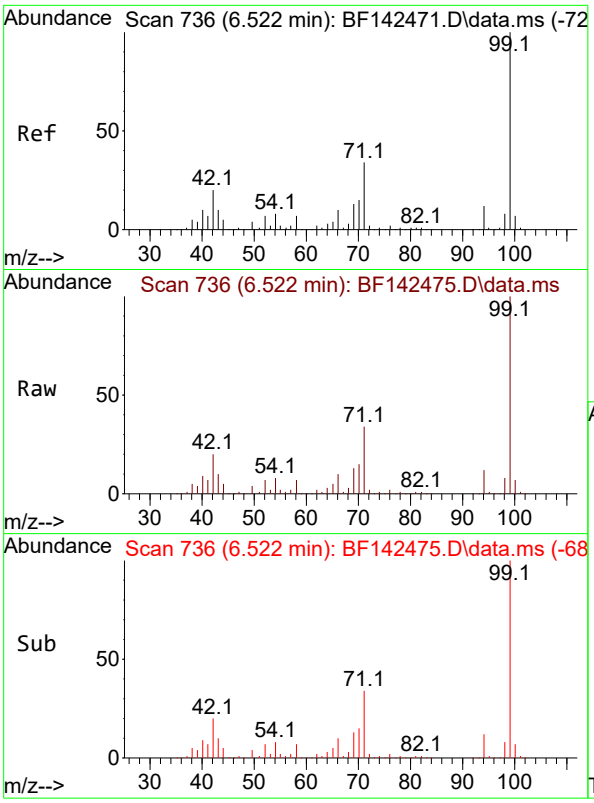
#6
Aniline
Concen: 38.415 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 93 Resp: 366889

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.0	48.0
65	20.2	16.1	24.1



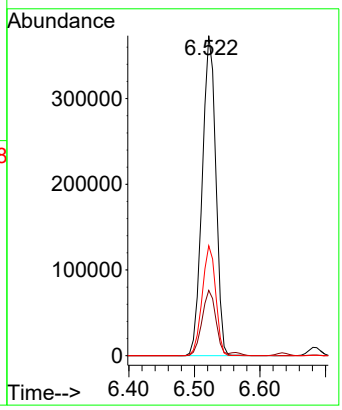
Instrument :
BNA_F
ClientSampleId :
ICVBF052025

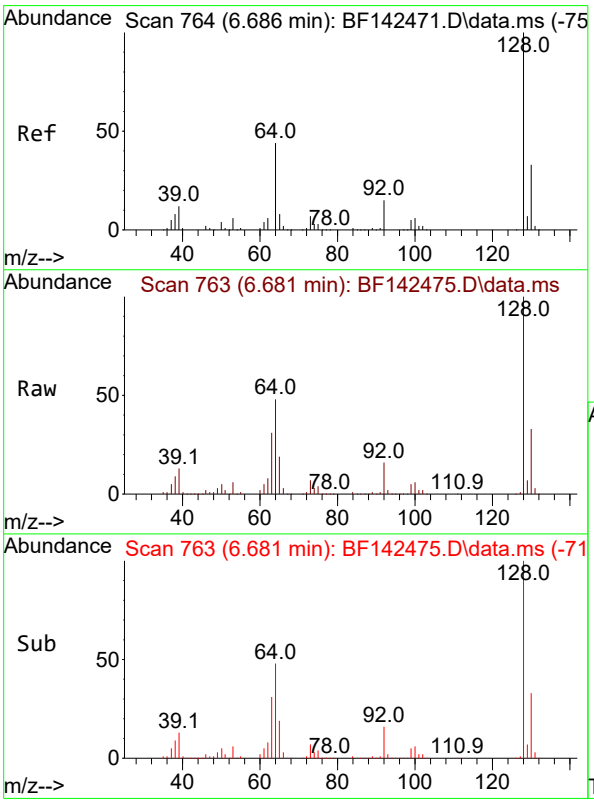


#7
Phenol-d6
Concen: 76.025 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 99 Resp: 539999

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.2	24.2
71	34.3	27.3	40.9

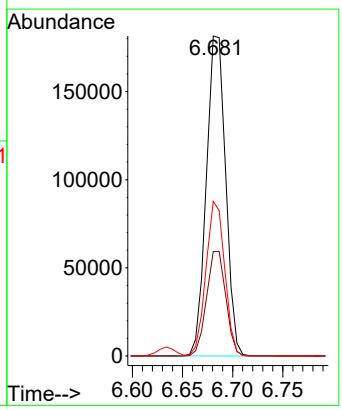


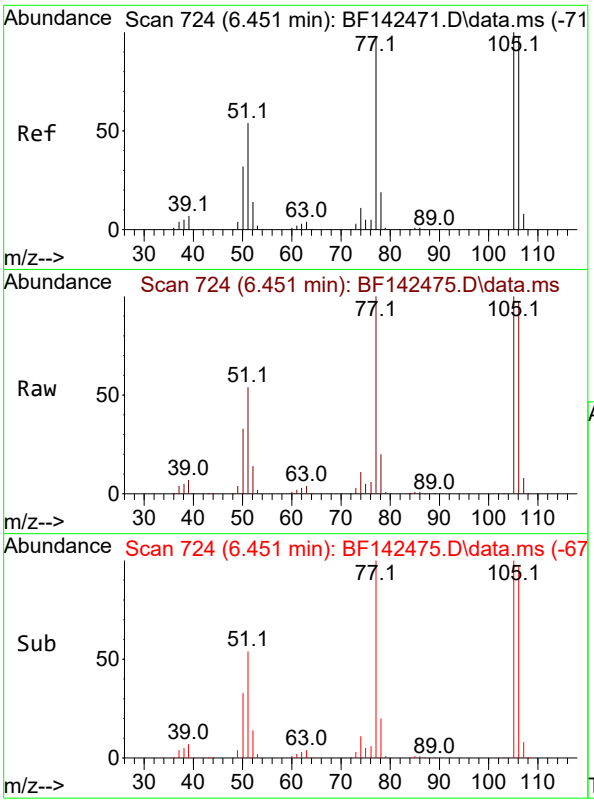


#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:128 Resp: 243599

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	48.3	25.1	65.1



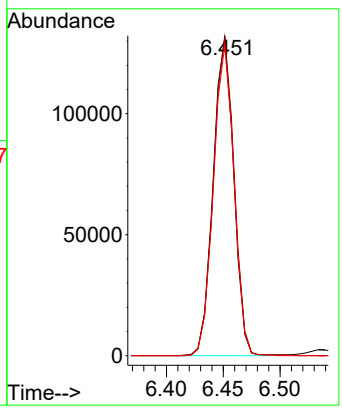


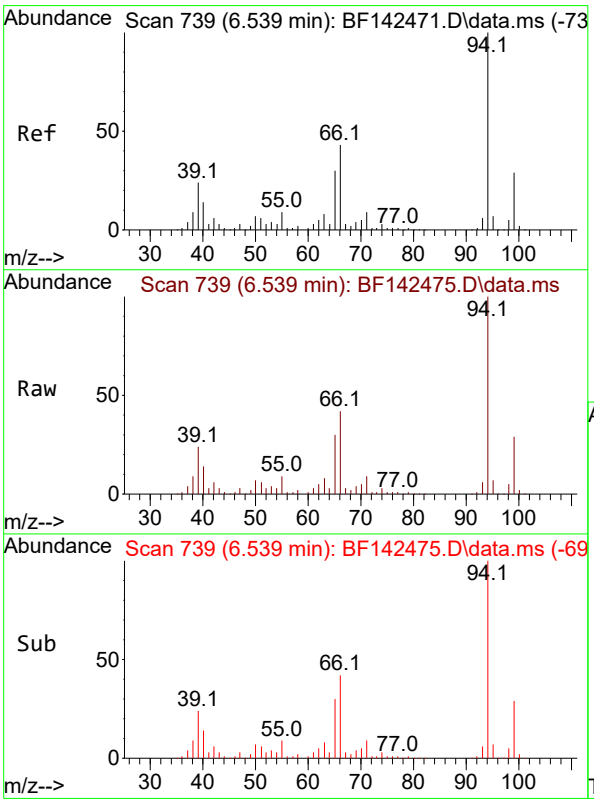
#9
Benzaldehyde
Concen: 38.726 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 77 Resp: 165445

Ion	Ratio	Lower	Upper
77	100		
105	100.5	82.5	122.5
106	97.4	80.0	120.0

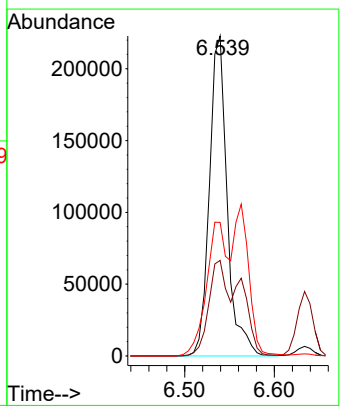


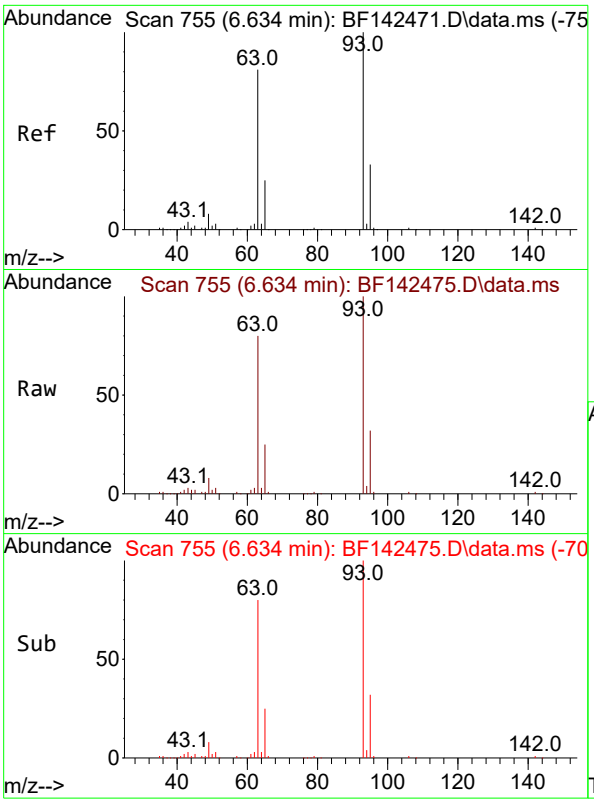


#10
Phenol
Concen: 38.362 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 94 Resp: 306601

Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.3	50.3
66	41.7	22.6	62.6



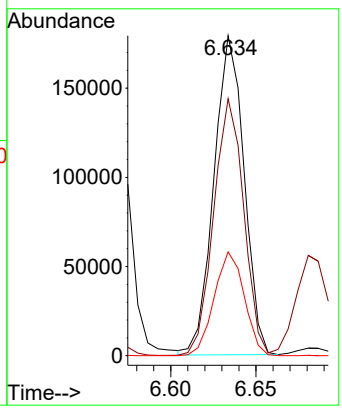


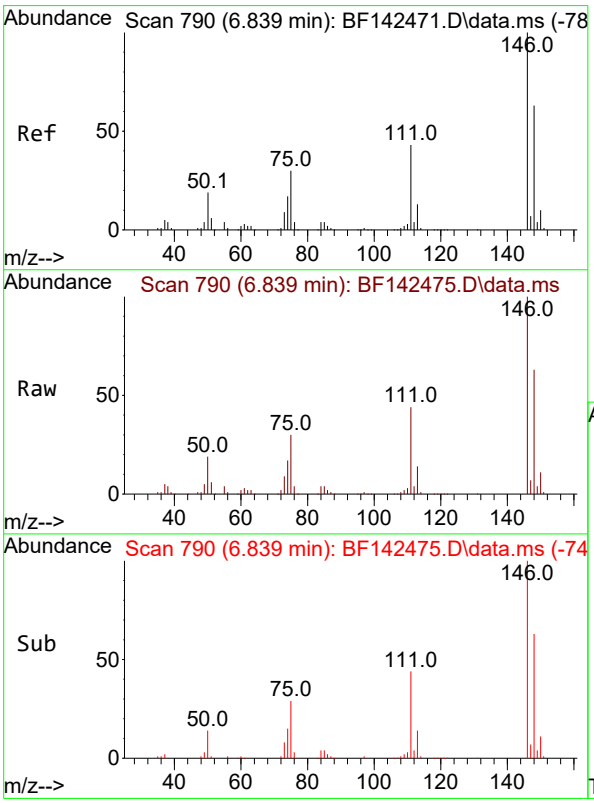
#11
bis(2-Chloroethyl)ether
Concen: 38.280 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 93 Resp: 220228

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.2	100.2
95	32.5	12.3	52.3

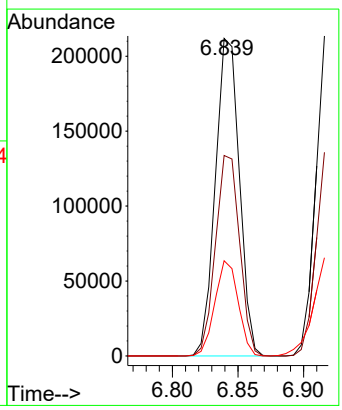


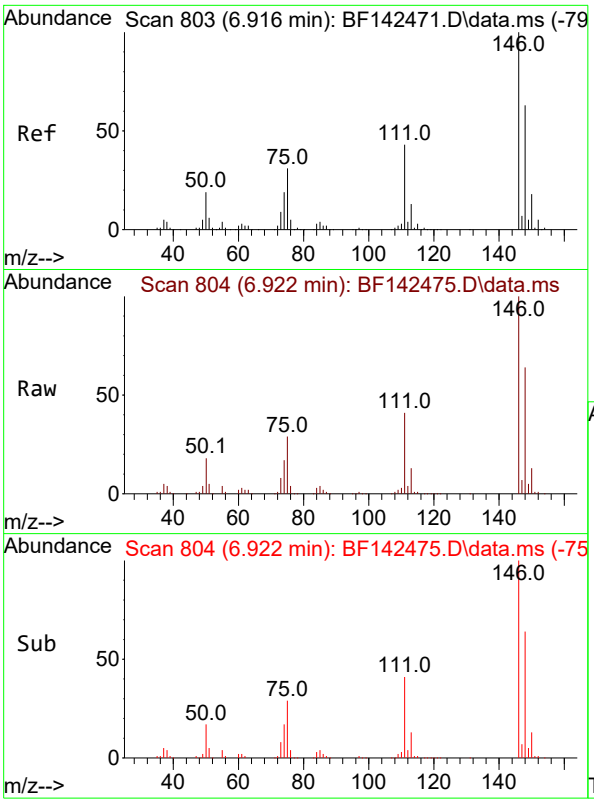


#12
1,3-Dichlorobenzene
Concen: 37.579 ng
RT: 6.839 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:146 Resp: 269504

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	75.8
75	30.0	23.8	35.6



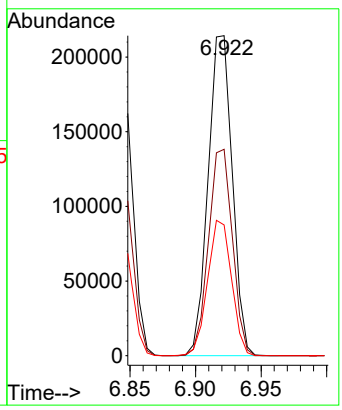


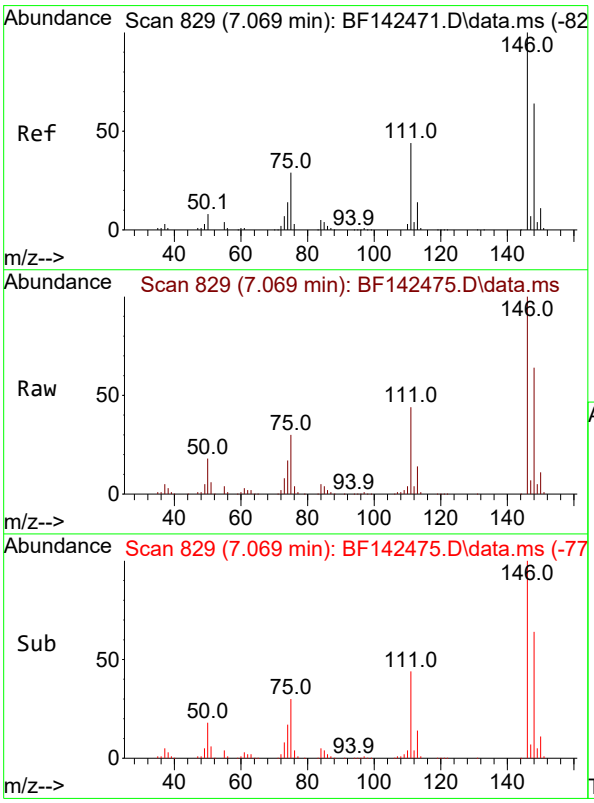
#13
1,4-Dichlorobenzene
Concen: 38.078 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:146 Resp: 275076

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.4	75.6
111	40.9	34.1	51.1

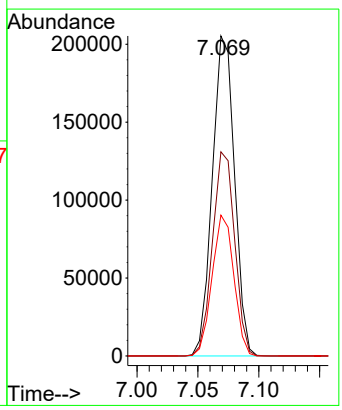


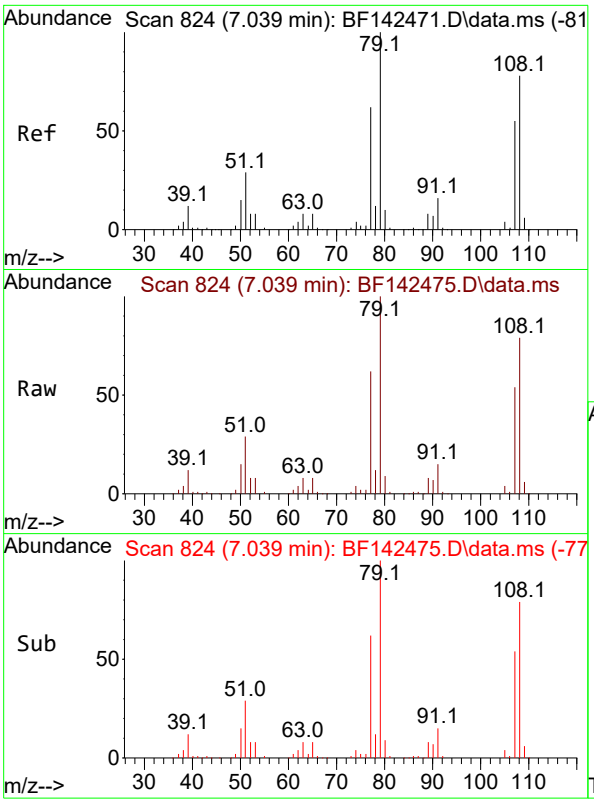


#14
1,2-Dichlorobenzene
Concen: 37.716 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:146 Resp: 260709

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
111	44.0	35.0	52.6



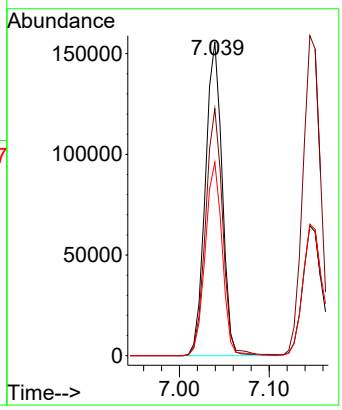


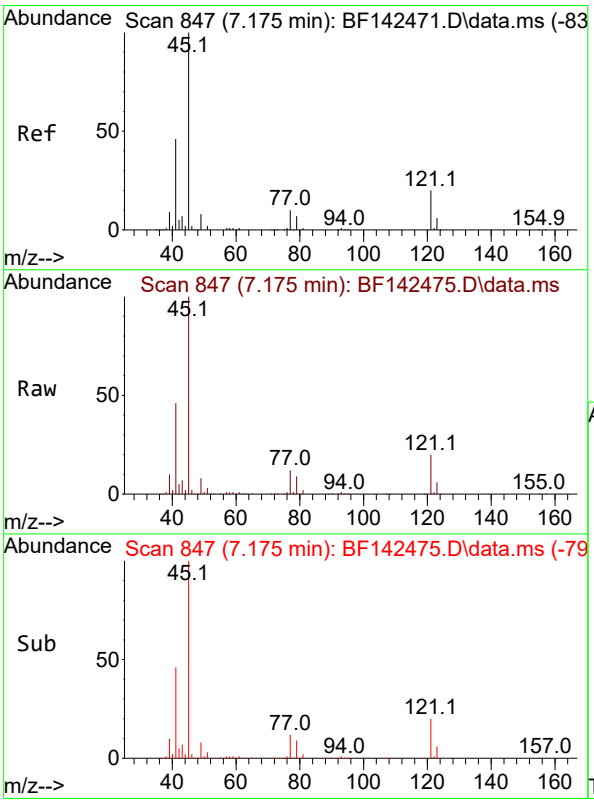
#15
Benzyl Alcohol
Concen: 38.663 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 79 Resp: 202944

Ion	Ratio	Lower	Upper
79	100		
108	78.8	62.1	93.1
77	61.7	49.5	74.3

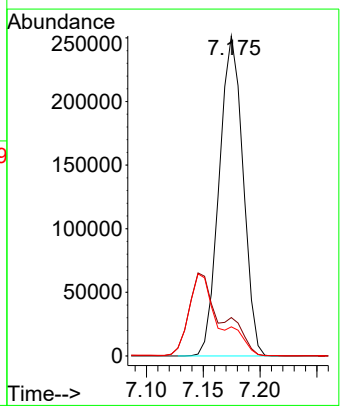


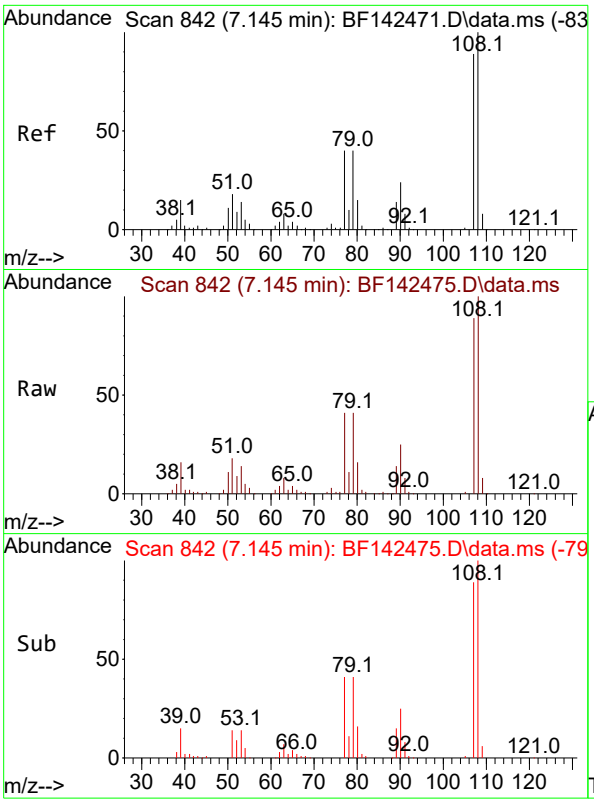


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.927 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 45 Resp: 366430

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.0
79	9.1	0.0	29.2



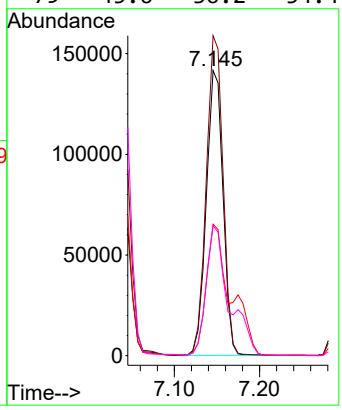


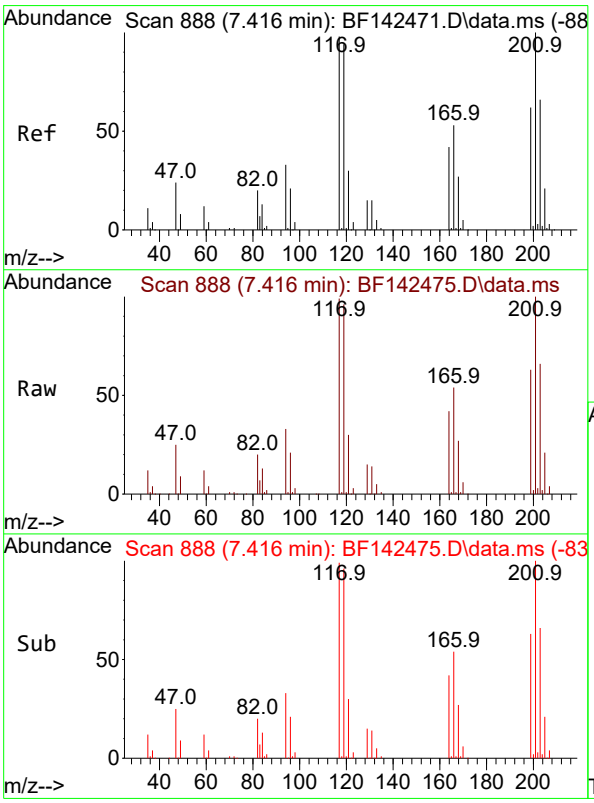
#17
2-Methylphenol
Concen: 38.500 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:107 Resp: 193190

Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.2	135.2
77	46.1	36.1	54.1
79	45.6	36.2	54.4

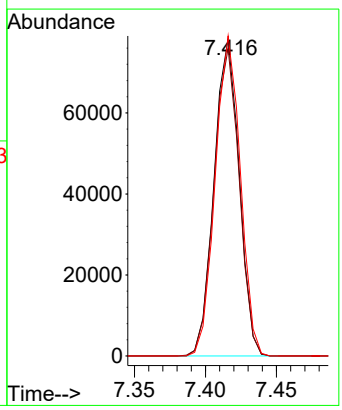


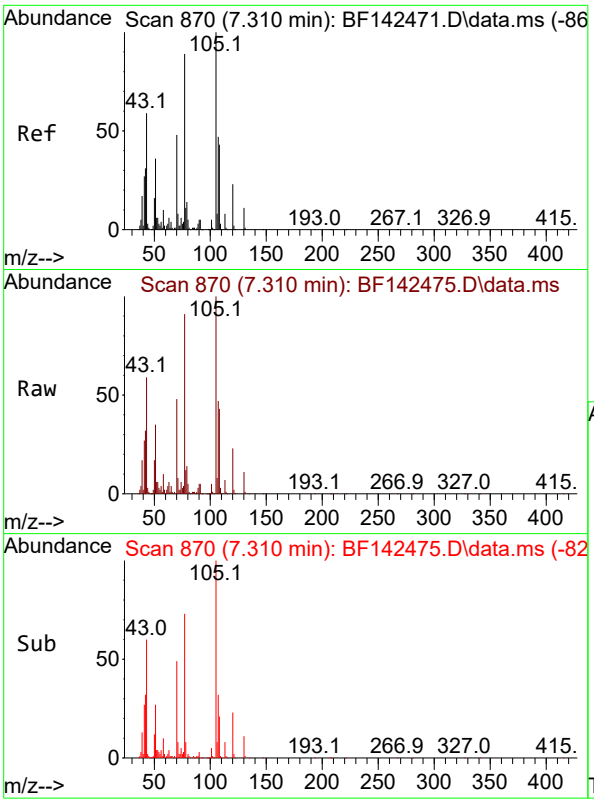


#18
Hexachloroethane
Concen: 38.137 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:117 Resp: 96202

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.6	114.8
201	100.8	81.3	121.9



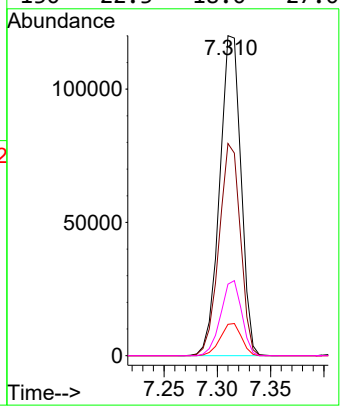


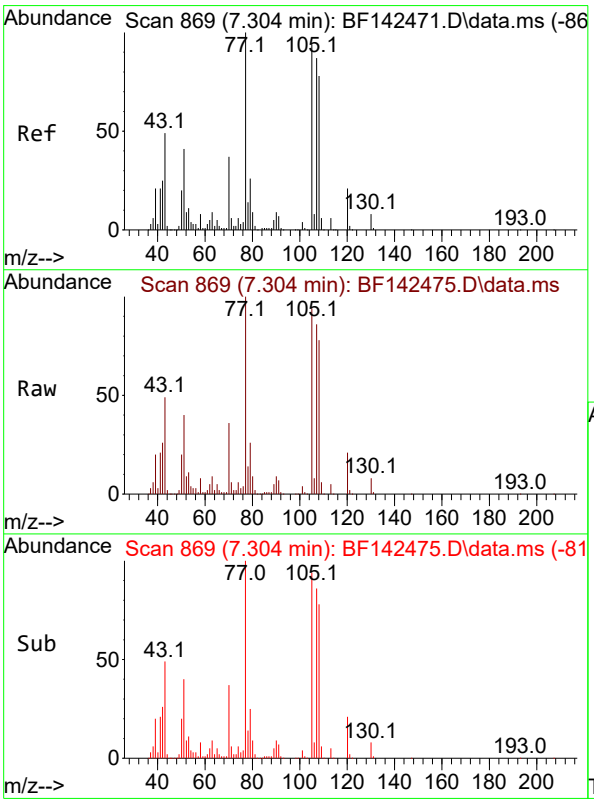
#19
n-Nitroso-di-n-propylamine
Concen: 37.833 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 70 Resp: 166542

Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.4	78.6
101	9.8	7.8	11.8
130	22.3	18.0	27.0

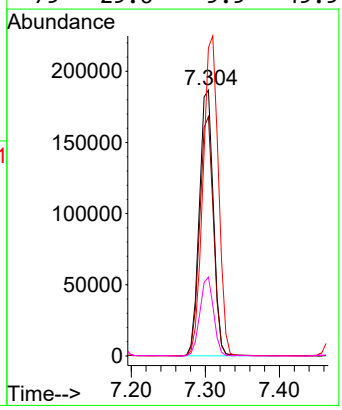


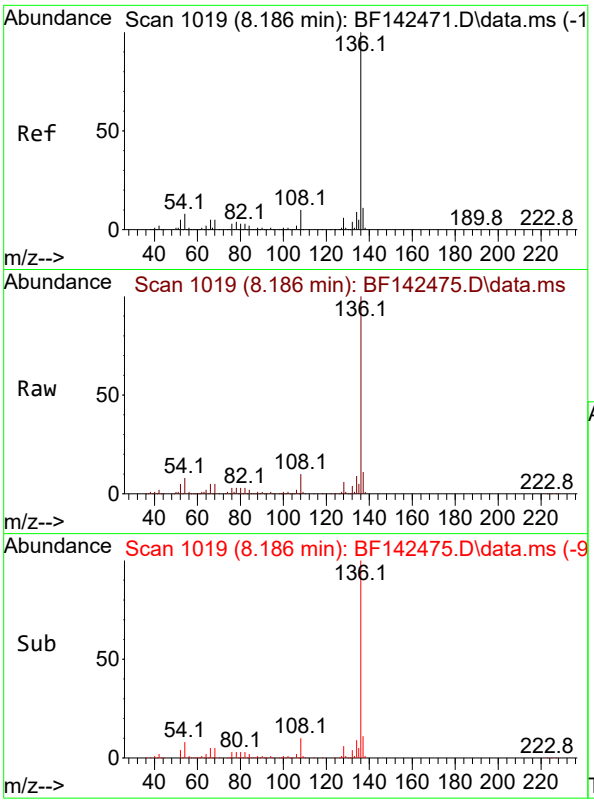


#20
3+4-Methylphenols
Concen: 38.020 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:107 Resp: 244310

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.4	110.4
77	115.9	95.4	135.4
79	29.6	9.9	49.9



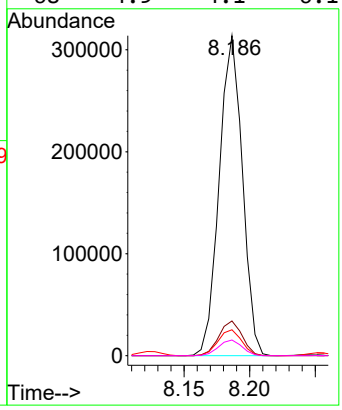


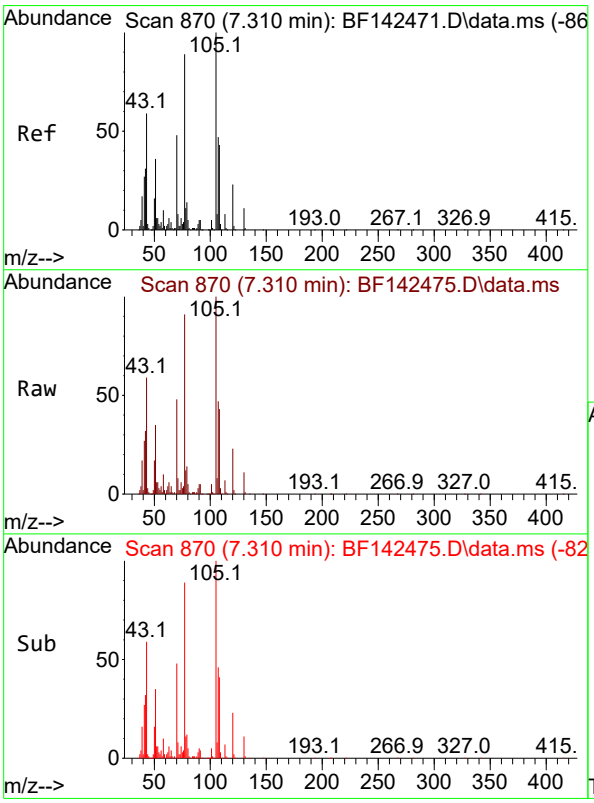
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:136 Resp: 385222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.1	6.6	10.0
68	4.9	4.1	6.1

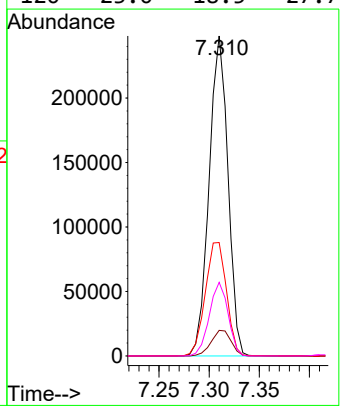


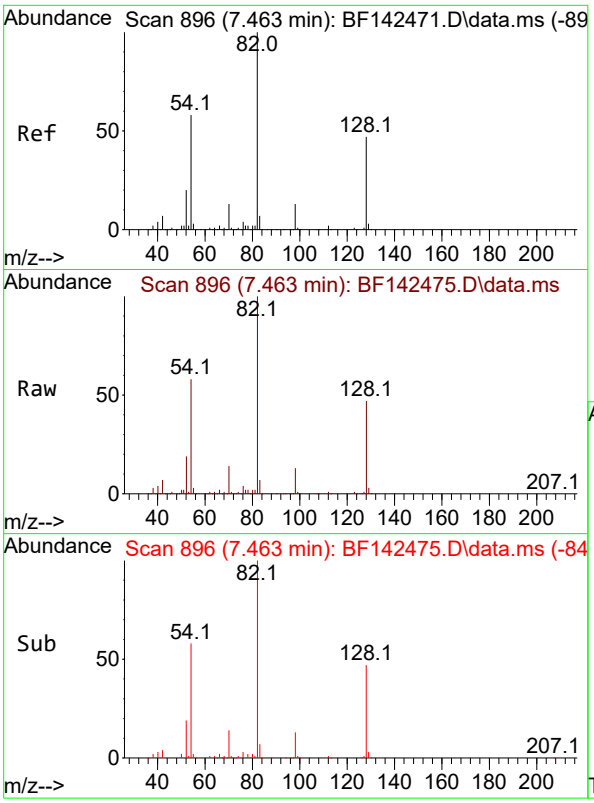


#22
Acetophenone
Concen: 38.118 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:105 Resp: 325056

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.4	9.6
51	35.4	28.6	42.8
120	23.0	18.5	27.7



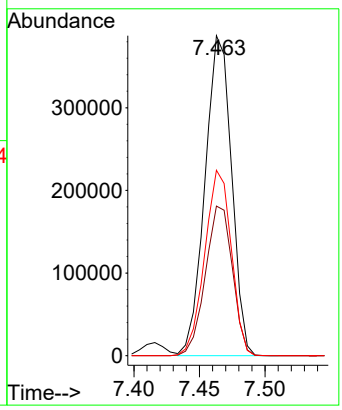


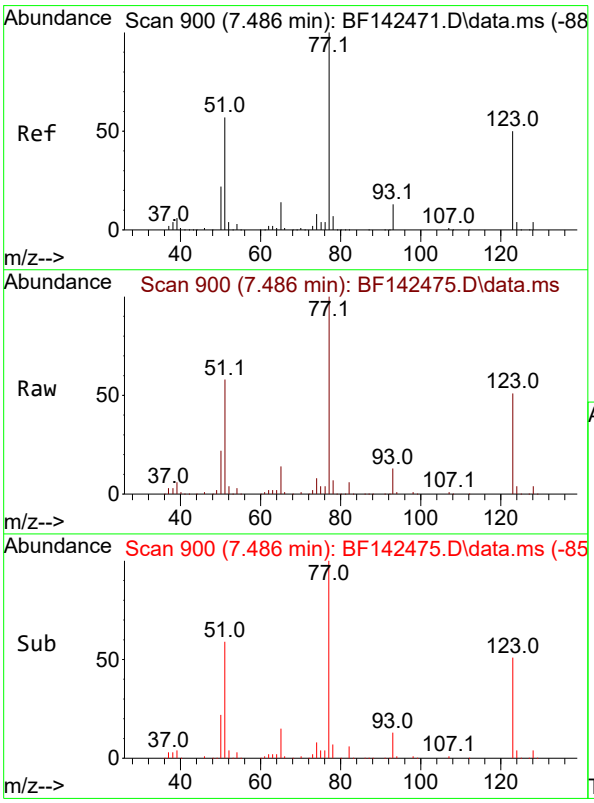
#23
Nitrobenzene-d5
Concen: 77.283 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 82 Resp: 545967

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.2
54	58.0	46.6	70.0

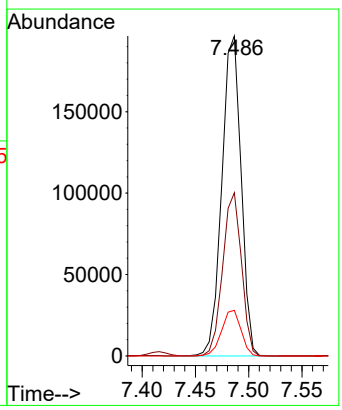


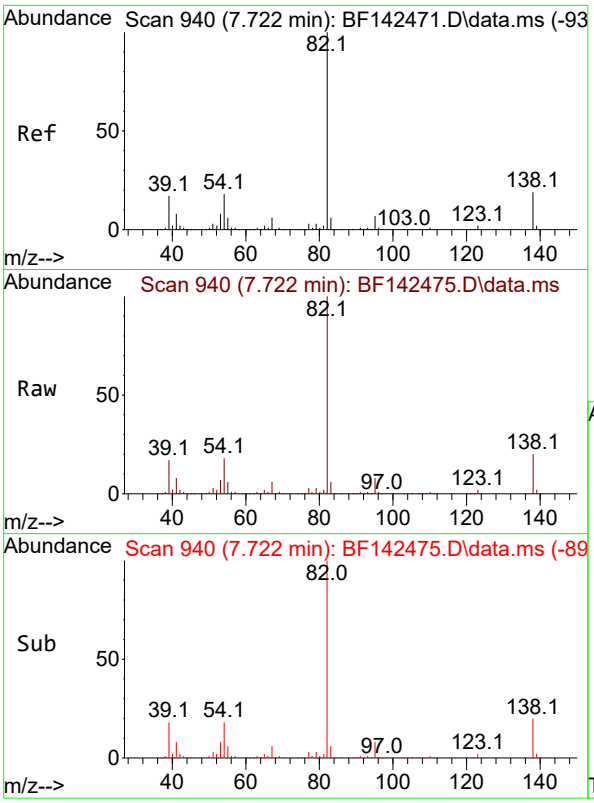


#24
Nitrobenzene
Concen: 38.737 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 77 Resp: 246818

Ion	Ratio	Lower	Upper
77	100		
123	51.0	40.6	61.0
65	14.3	11.4	17.2



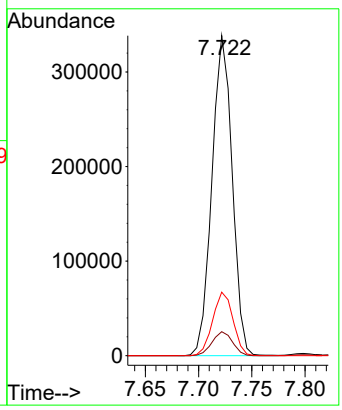


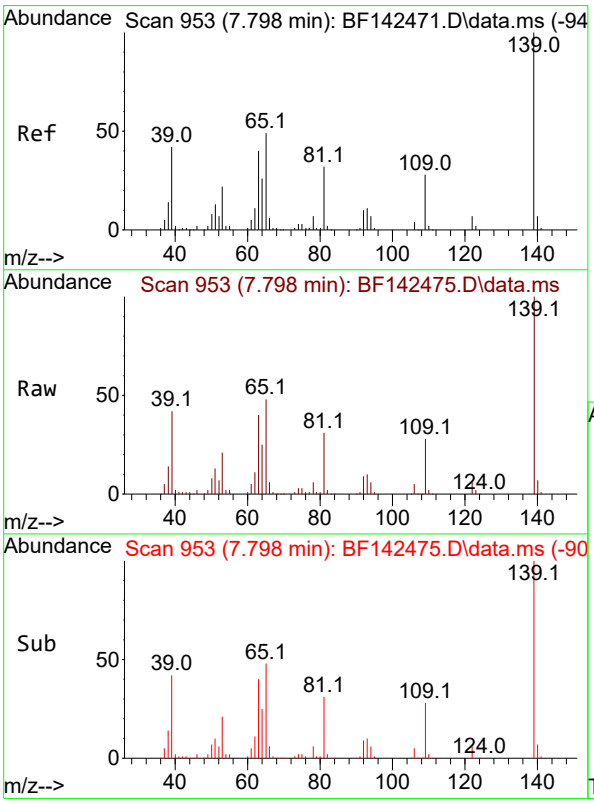
#25
Isophorone
Concen: 37.906 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 82 Resp: 447723

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	19.9	15.5	23.3

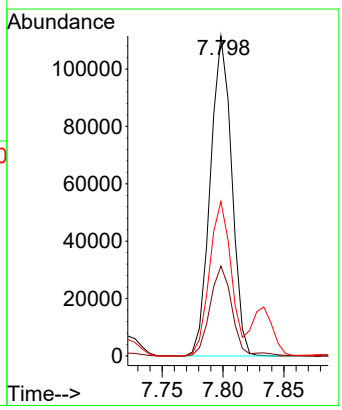


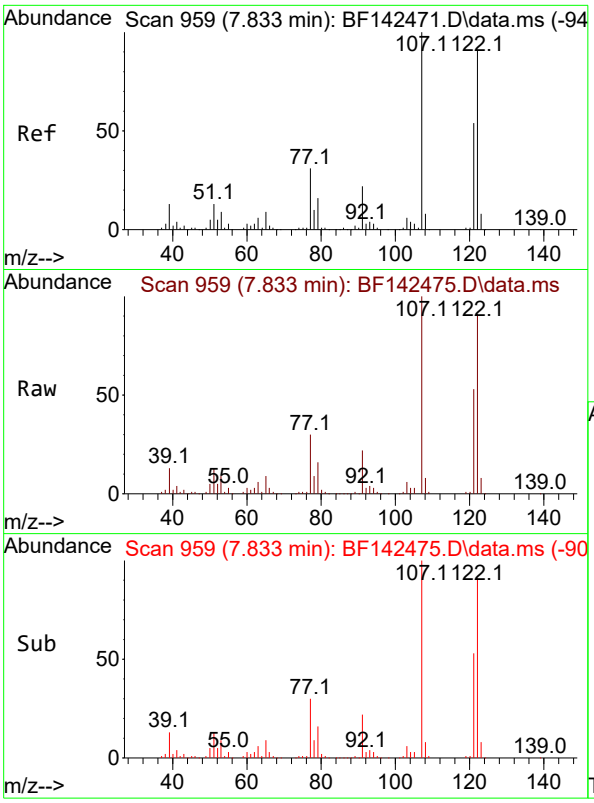


#26
2-Nitrophenol
Concen: 39.958 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:139 Resp: 136039

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.6	33.8
65	48.3	39.4	59.0



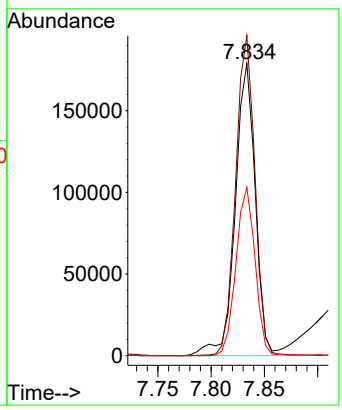


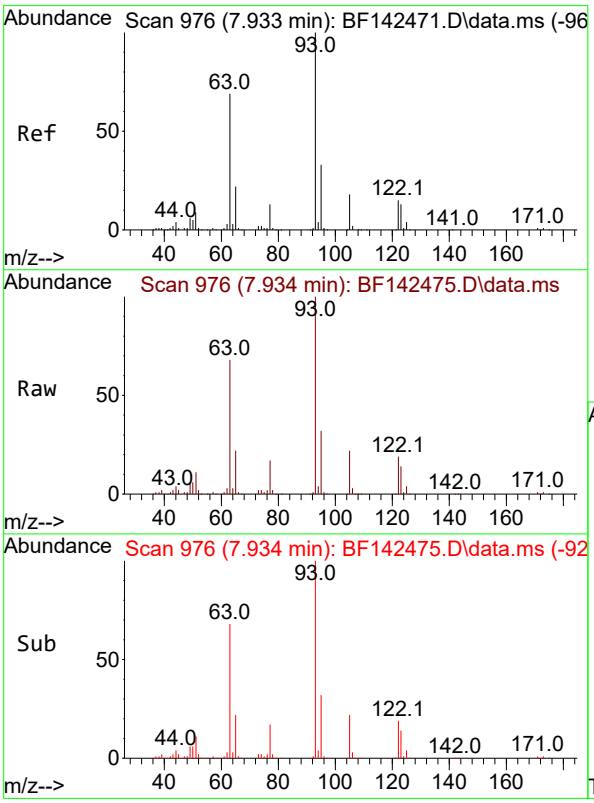
#27
2,4-Dimethylphenol
Concen: 38.953 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:122 Resp: 233871

Ion	Ratio	Lower	Upper
122	100		
107	109.5	88.1	132.1
121	57.5	47.3	70.9

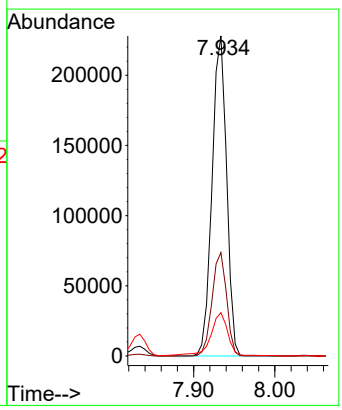


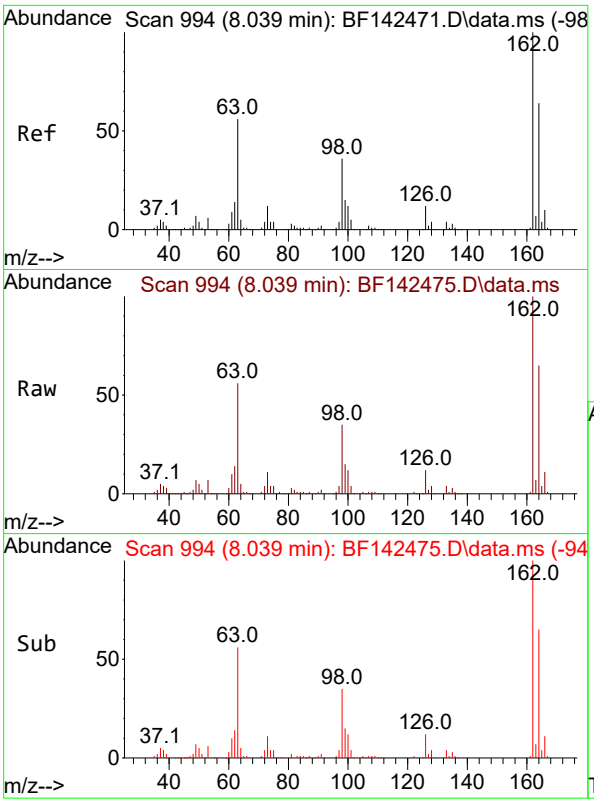


#28
bis(2-Chloroethoxy)methane
Concen: 38.407 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 93 Resp: 283379

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	13.5	10.6	15.8



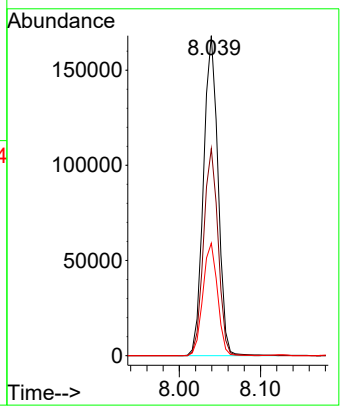


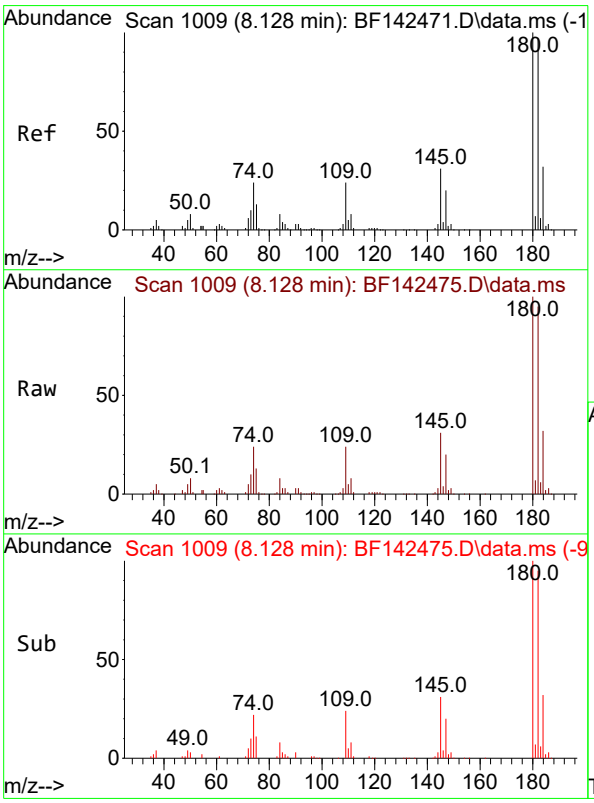
#29
2,4-Dichlorophenol
Concen: 38.285 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:162 Resp: 209040

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.7	83.7
98	35.1	15.5	55.5

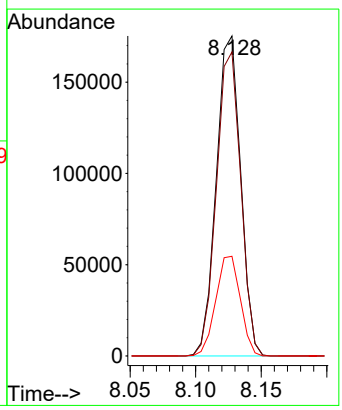


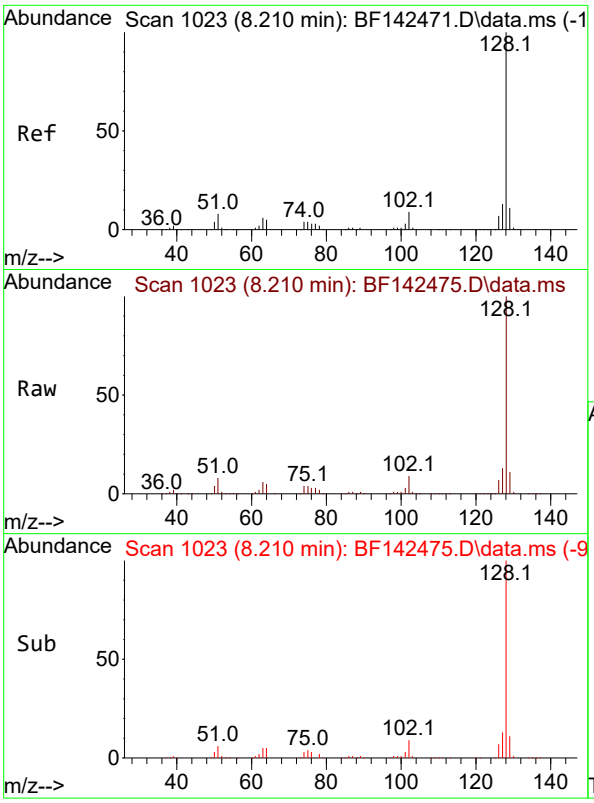


#30
1,2,4-Trichlorobenzene
Concen: 38.187 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:180 Resp: 226285

Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.0	117.0
145	31.2	25.0	37.6



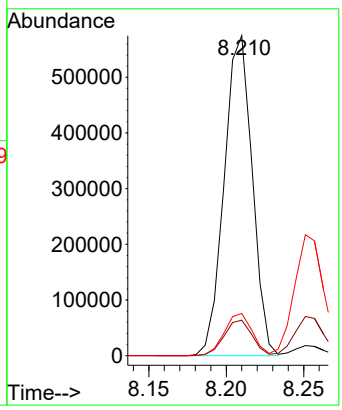


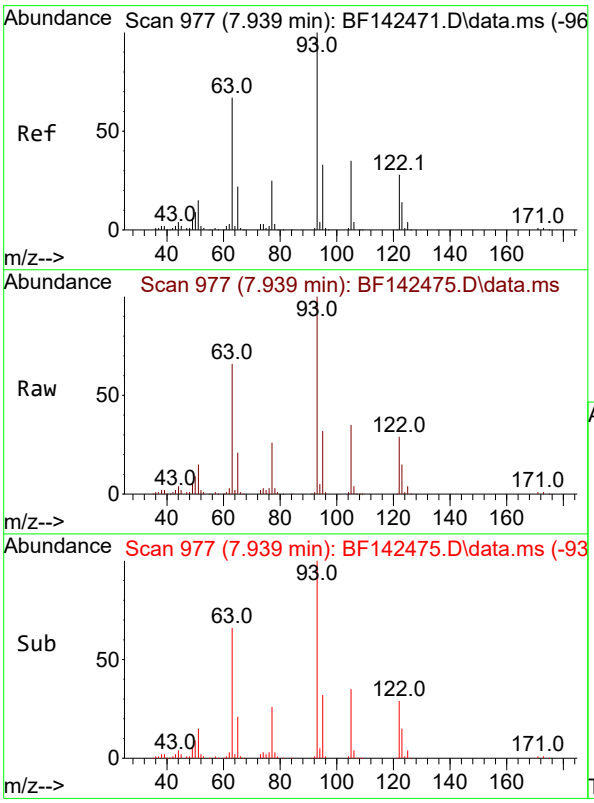
#31
Naphthalene
Concen: 38.112 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:128 Resp: 722913

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.5	15.7

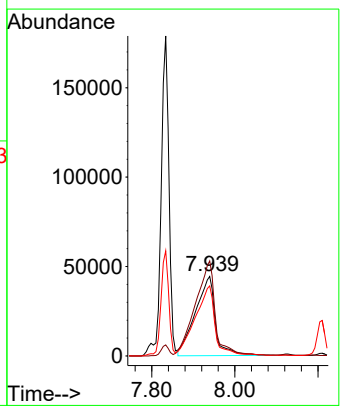


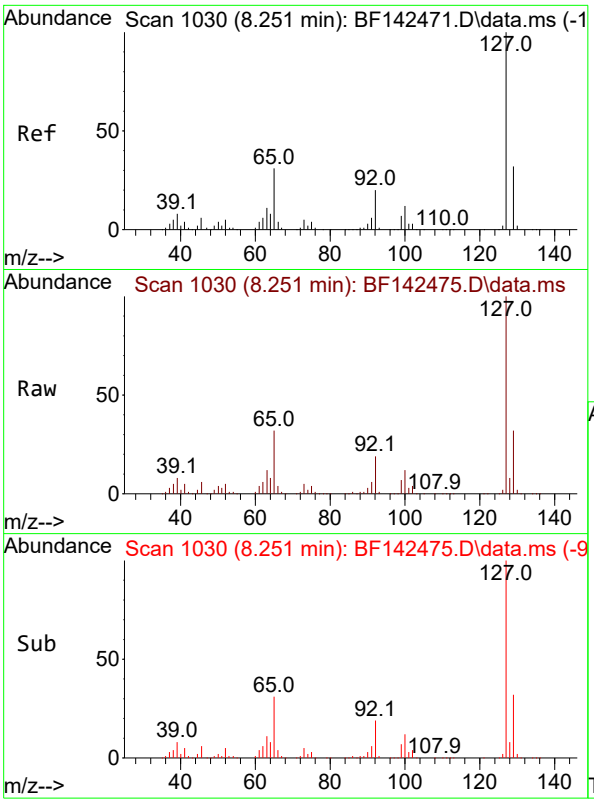


#32
Benzoic acid
Concen: 40.490 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.036 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:122 Resp: 147981

Ion	Ratio	Lower	Upper
122	100		
105	119.5	101.7	141.7
77	88.1	69.5	109.5



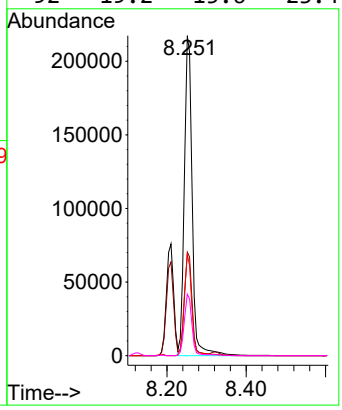


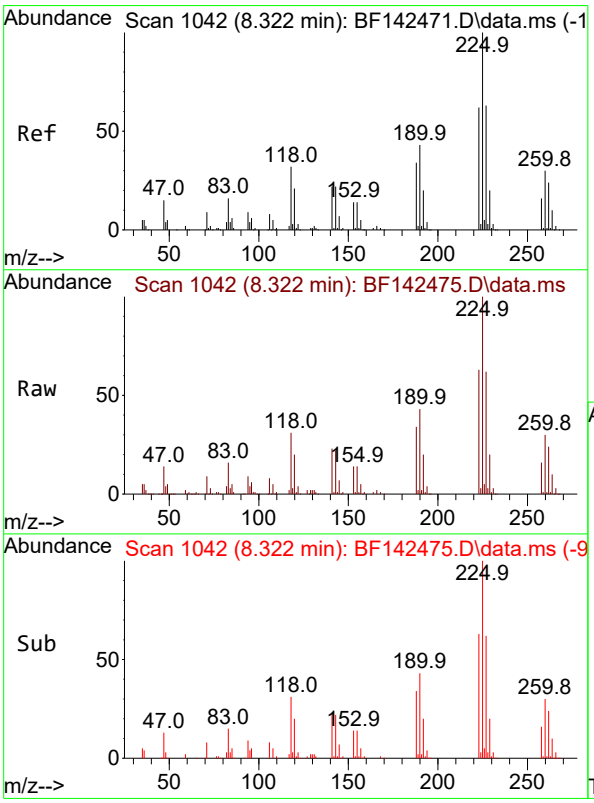
#33
4-Chloroaniline
Concen: 38.962 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:127 Resp: 299462

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	31.6	24.9	37.3
92	19.2	15.6	23.4

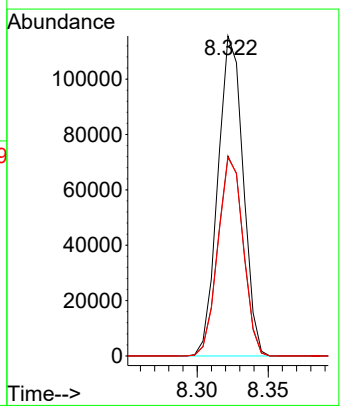


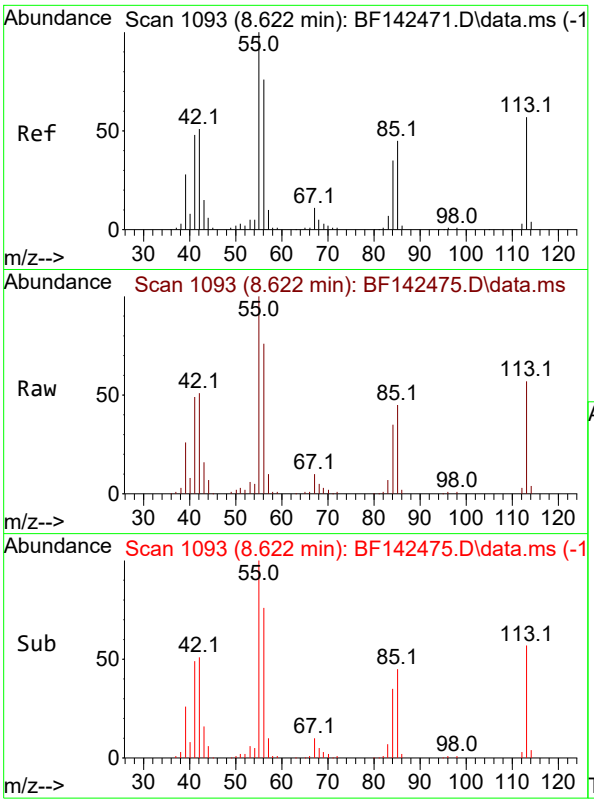


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:225 Resp: 142496

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	62.0	50.3	75.5



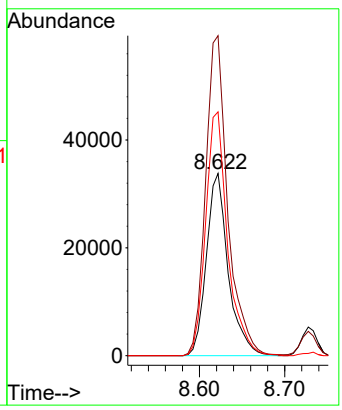


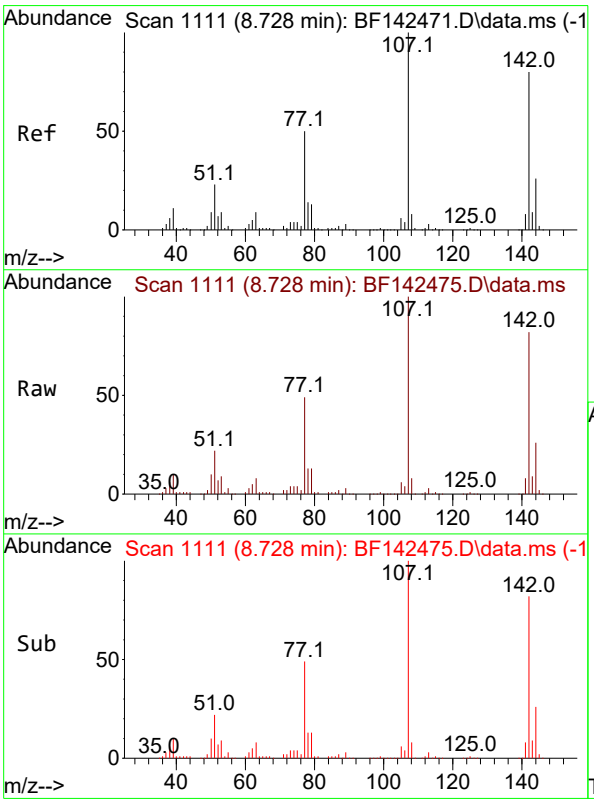
#35
Caprolactam
Concen: 39.162 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:113 Resp: 60055

Ion	Ratio	Lower	Upper
113	100		
55	175.7	154.7	194.7
56	133.9	113.2	153.2

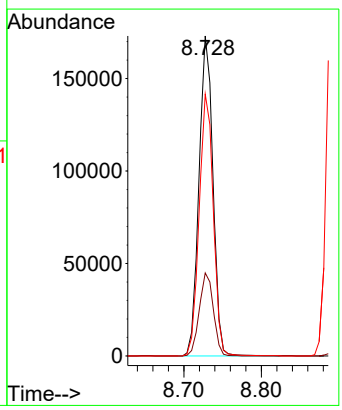


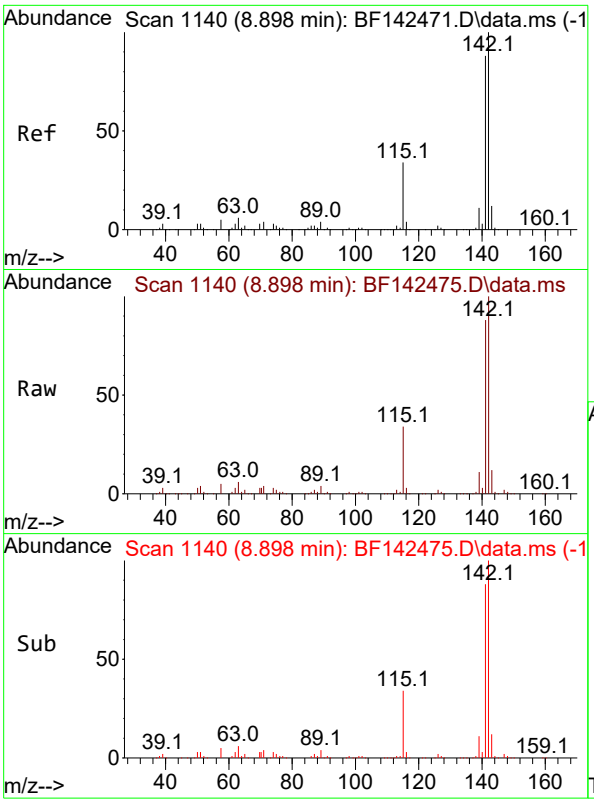


#36
4-Chloro-3-methylphenol
Concen: 38.654 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:107 Resp: 216299

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.9	31.3
142	81.8	64.2	96.2



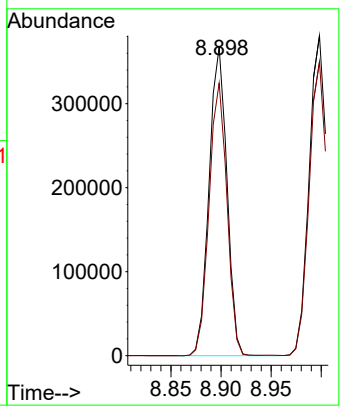


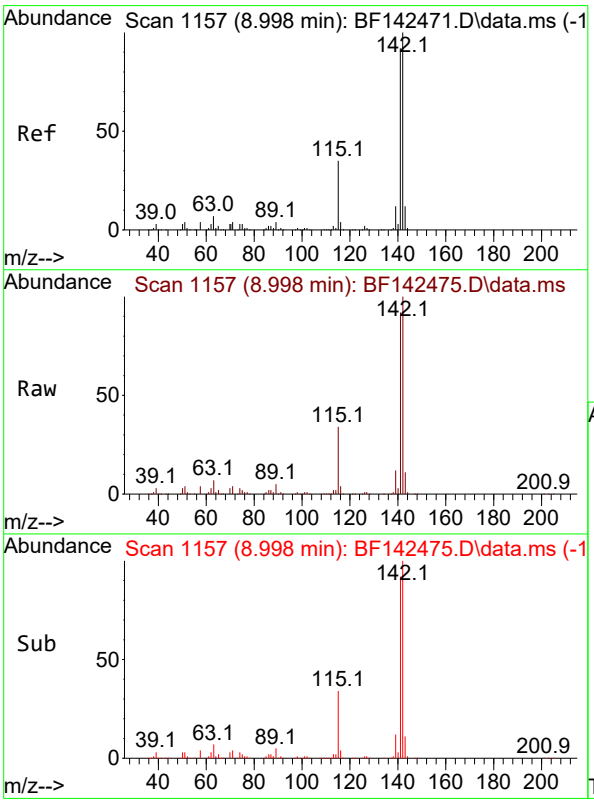
#37
2-Methylnaphthalene
Concen: 38.062 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:142 Resp: 454200

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1

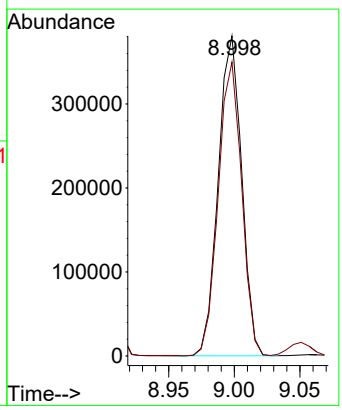


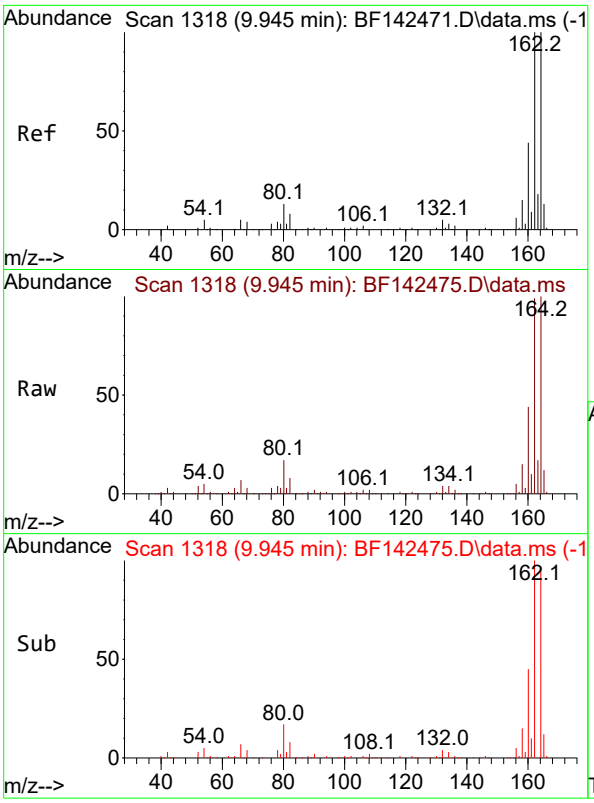


#38
1-Methylnaphthalene
Concen: 38.229 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:142 Resp: 471880

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2



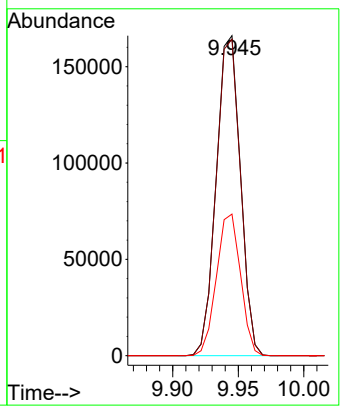


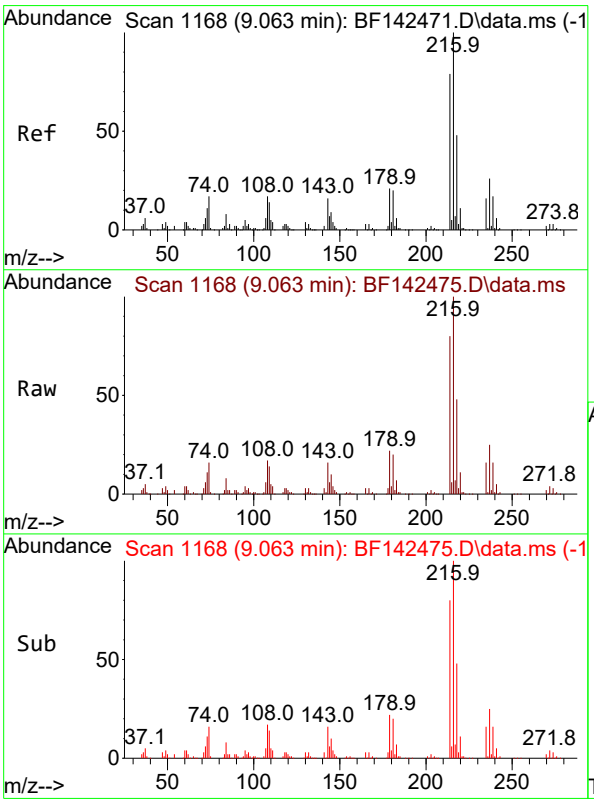
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:164 Resp: 213164

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.4
160	44.3	35.6	53.4

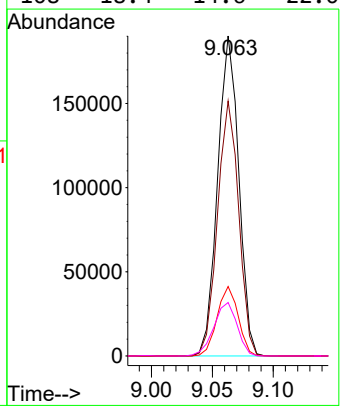


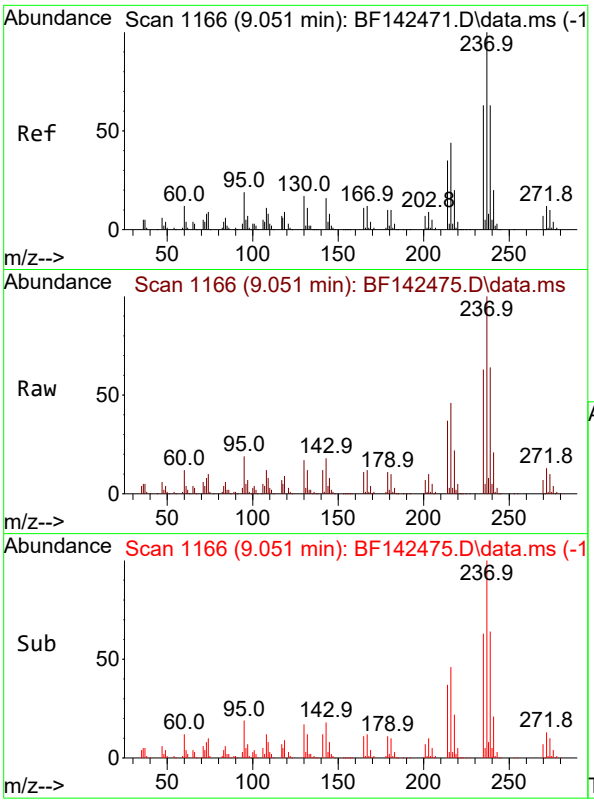


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.508 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:216 Resp: 229514

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.9	94.3
179	21.6	16.9	25.3
108	18.4	14.6	22.0



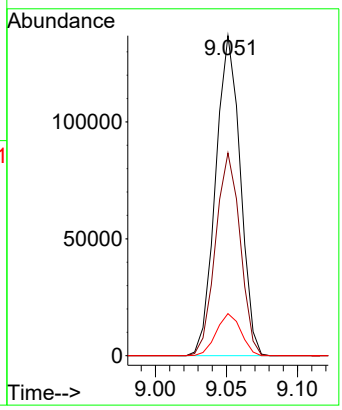


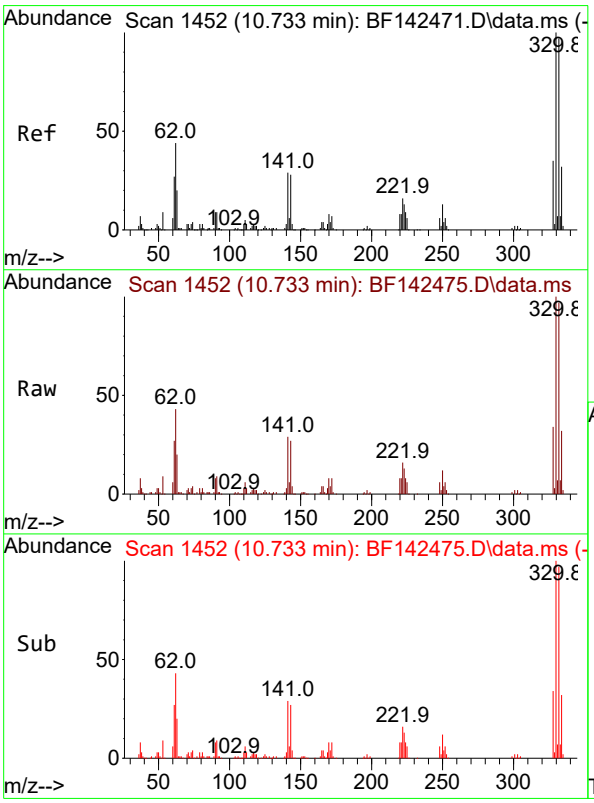
#41
Hexachlorocyclopentadiene
Concen: 39.991 ng
RT: 9.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:237 Resp: 165077

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.3	83.3
272	13.1	0.0	32.4

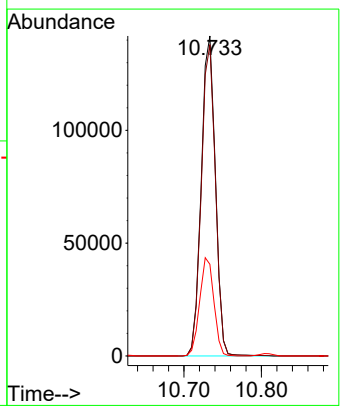


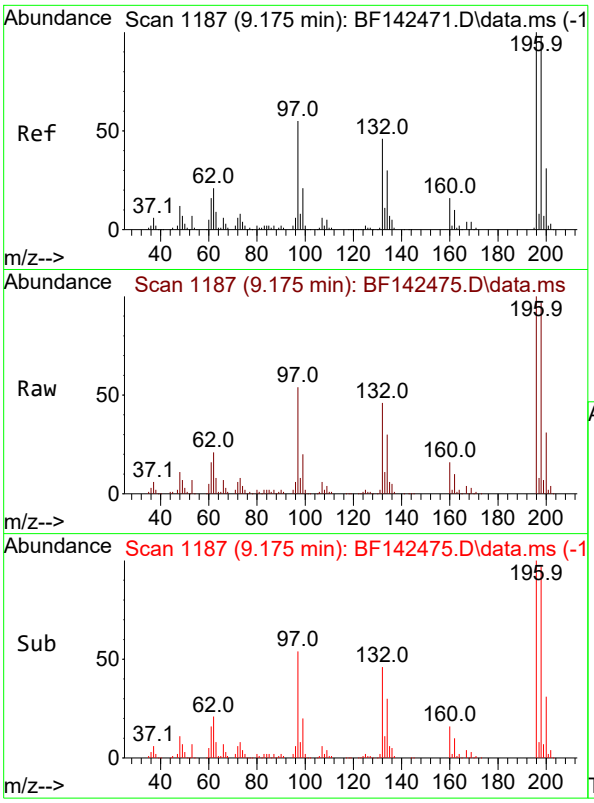


#42
2,4,6-Tribromophenol
Concen: 75.790 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:330 Resp: 179309

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	31.0	24.6	36.8



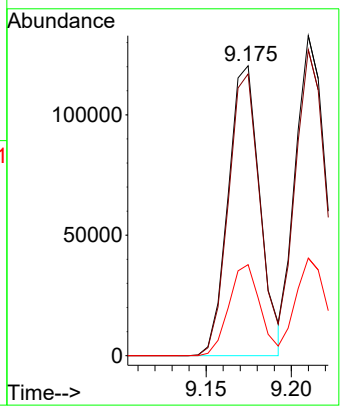


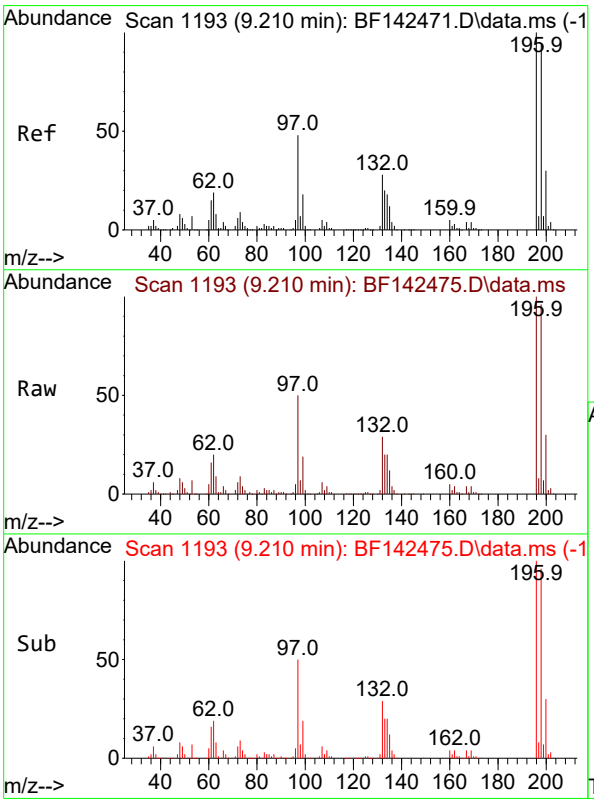
#43
2,4,6-Trichlorophenol
Concen: 37.954 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:196 Resp: 156603

Ion	Ratio	Lower	Upper
196	100		
198	97.1	78.8	118.2
200	31.4	24.9	37.3

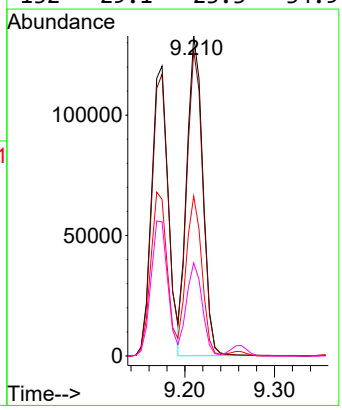


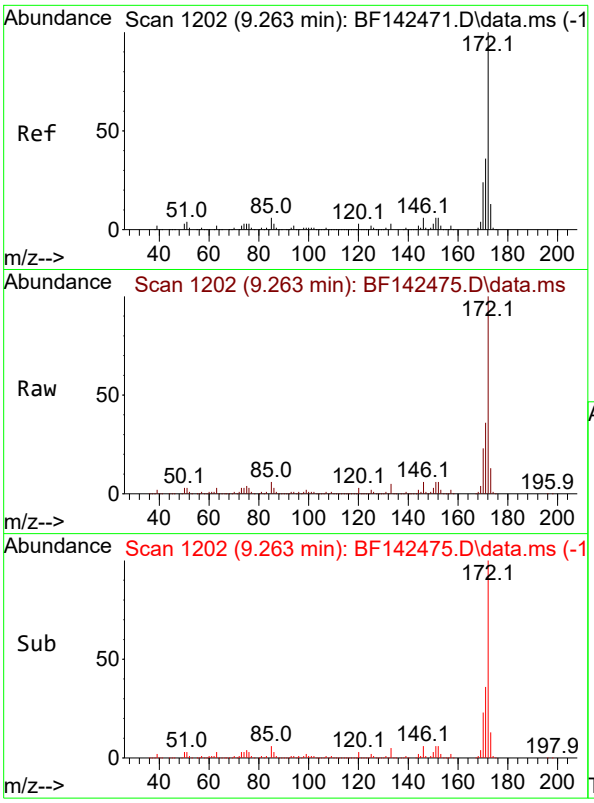


#44
2,4,5-Trichlorophenol
Concen: 37.766 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:196 Resp: 164342

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.5	113.3
97	49.9	39.3	58.9
132	29.1	23.3	34.9



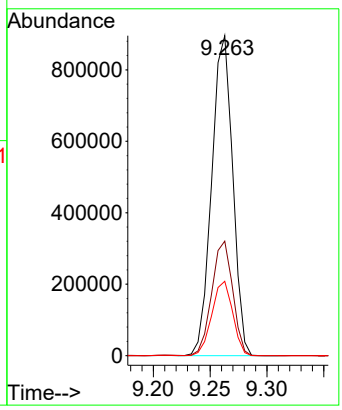


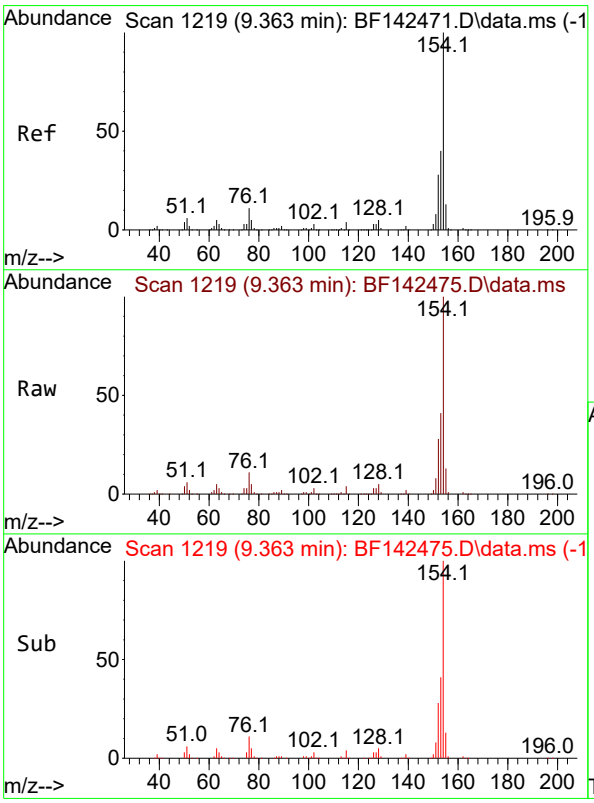
#45
2-Fluorobiphenyl
Concen: 72.557 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:172 Resp: 1152622

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.3	18.9	28.3

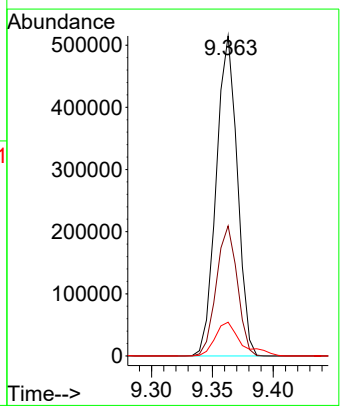


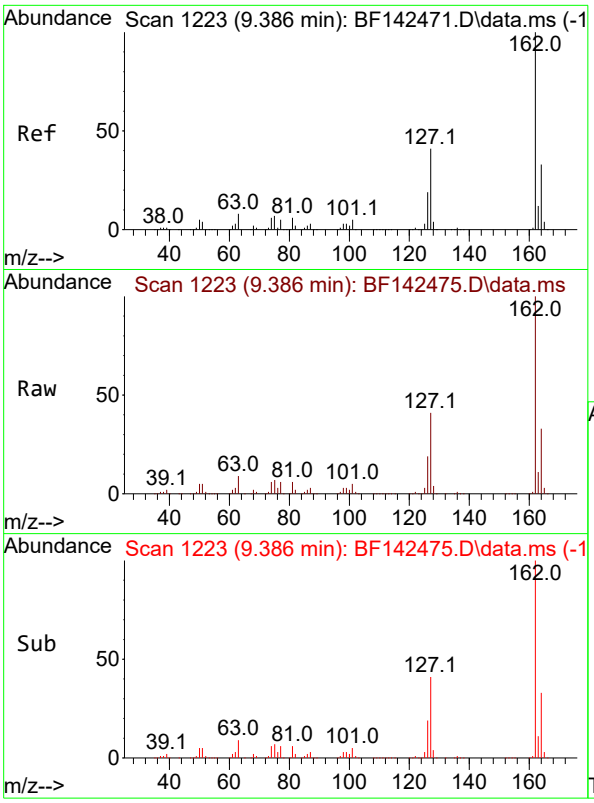


#46
1,1'-Biphenyl
Concen: 37.487 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:154 Resp: 619947

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	10.6	0.0	30.8



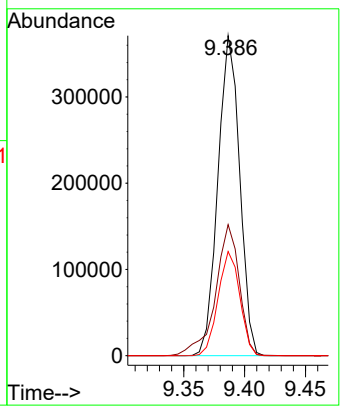


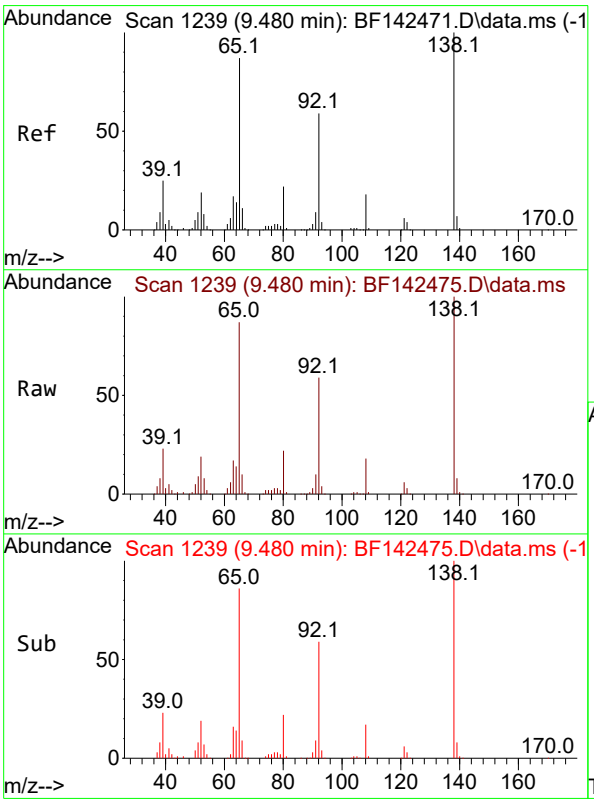
#47
2-Chloronaphthalene
Concen: 37.763 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:162 Resp: 461414

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.5	50.3
164	32.5	26.1	39.1

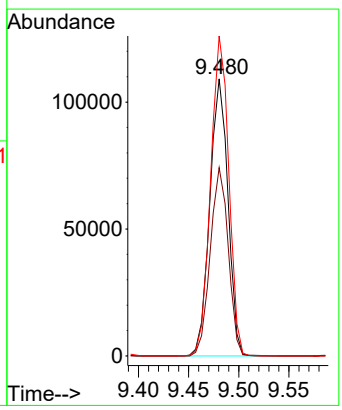


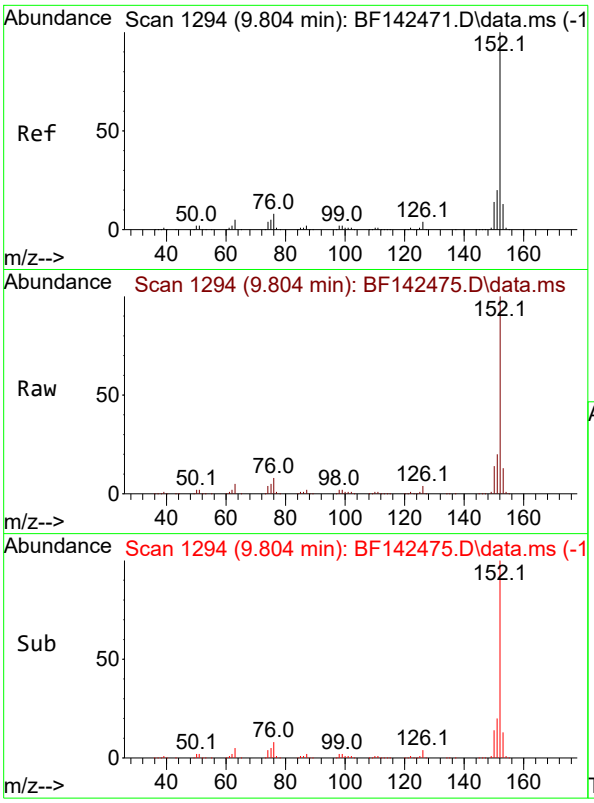


#48
2-Nitroaniline
Concen: 38.867 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion: 65 Resp: 137268

Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.4	81.6
138	115.5	91.4	137.2



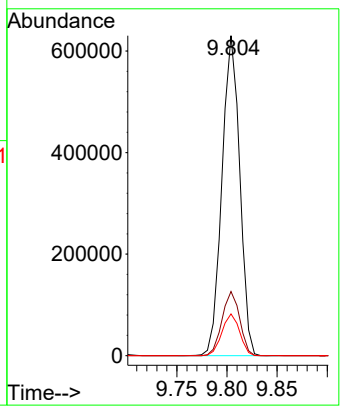


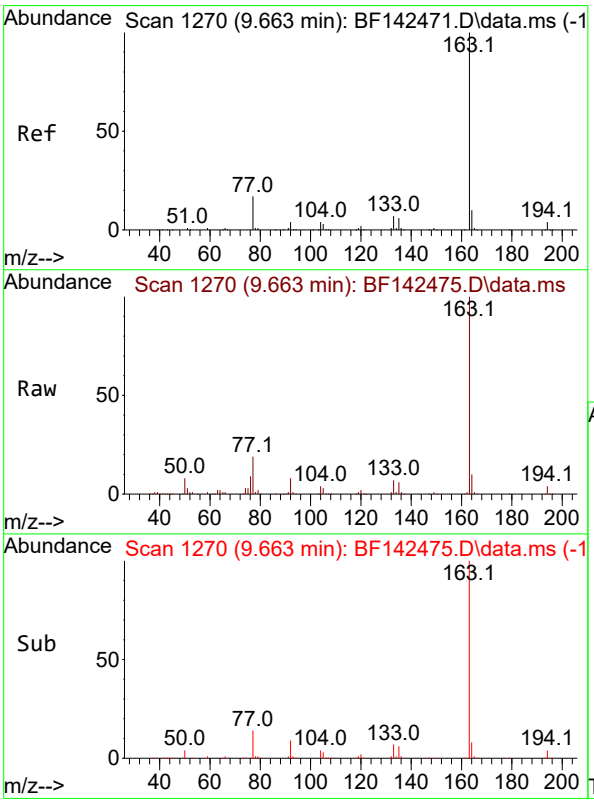
#49
Acenaphthylene
Concen: 37.630 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:152 Resp: 776377

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.6	15.8

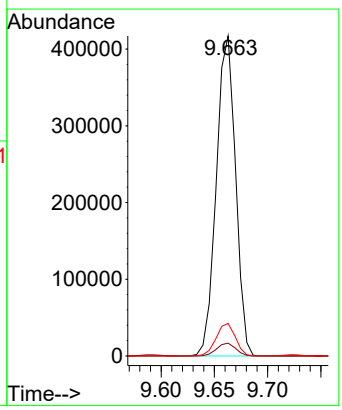


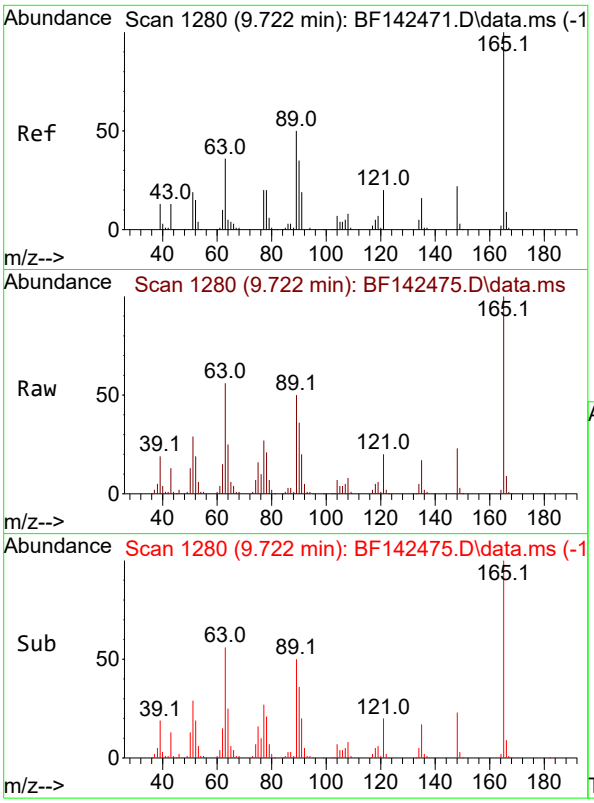


#50
Dimethylphthalate
Concen: 37.184 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:163 Resp: 523004

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.4



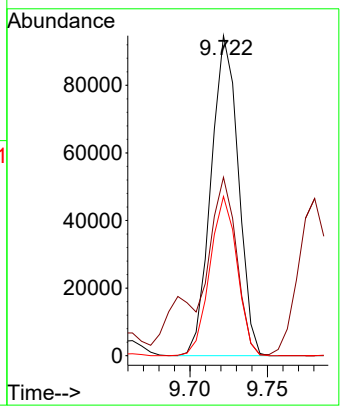


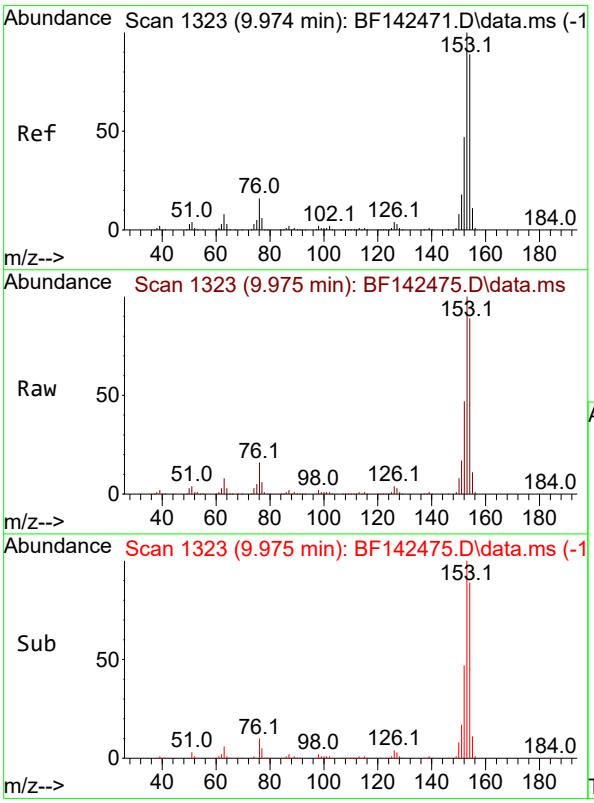
#51
2,6-Dinitrotoluene
Concen: 38.191 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:165 Resp: 115938

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.9	64.3
89	49.8	40.2	60.4

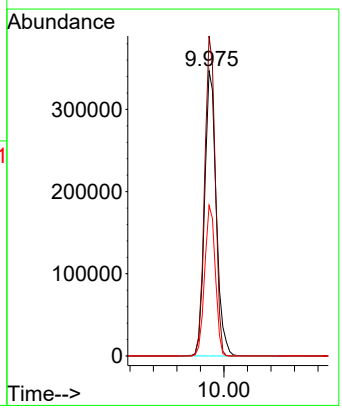


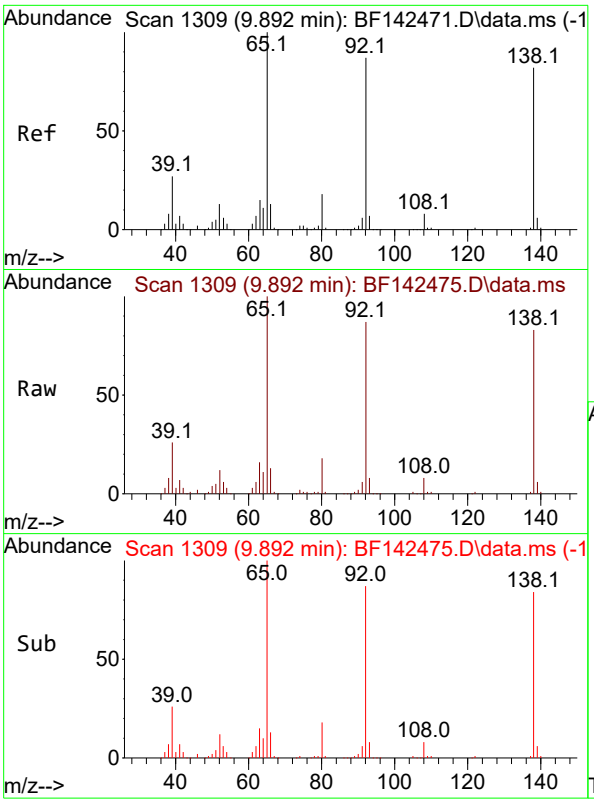


#52
Acenaphthene
Concen: 37.877 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:154 Resp: 477197

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.0	135.0
152	52.8	42.6	64.0



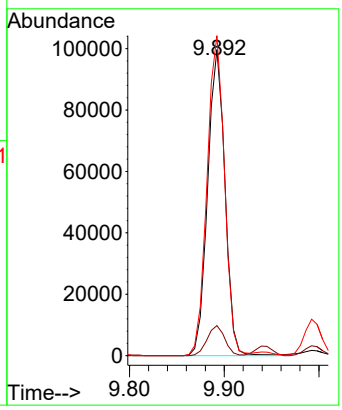


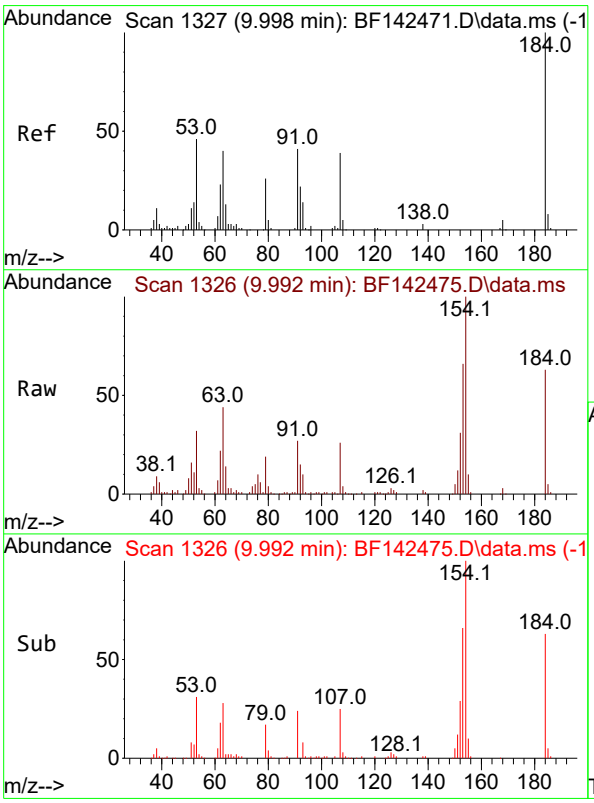
#53
3-Nitroaniline
Concen: 38.246 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:138 Resp: 126814

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.1	12.1
92	104.6	85.2	127.8

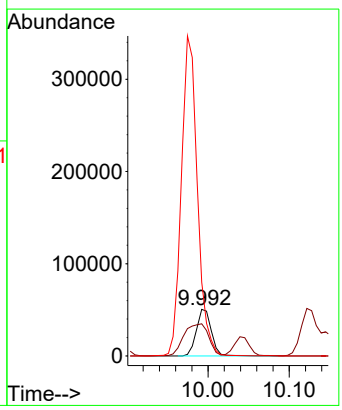


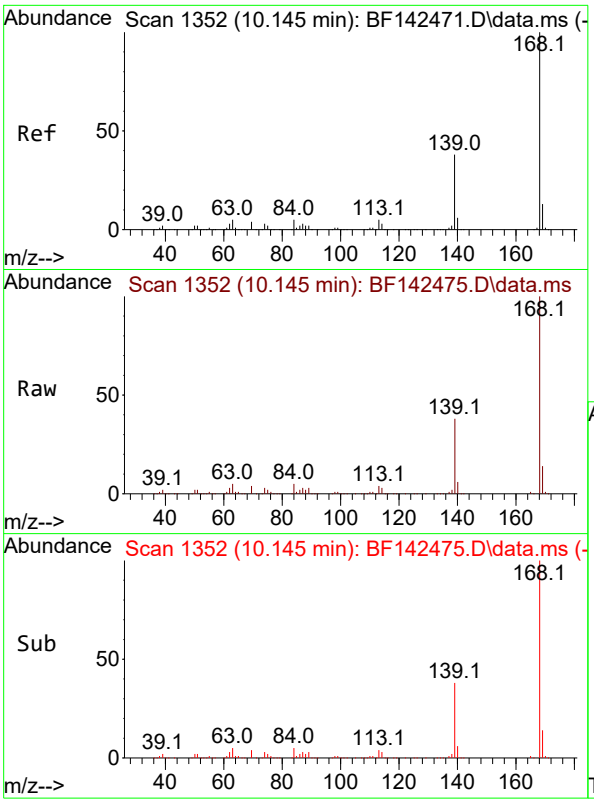


#54
2,4-Dinitrophenol
Concen: 41.481 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:184 Resp: 65057

Ion	Ratio	Lower	Upper
184	100		
63	69.3	46.3	69.5
154	158.8	56.8	85.2#



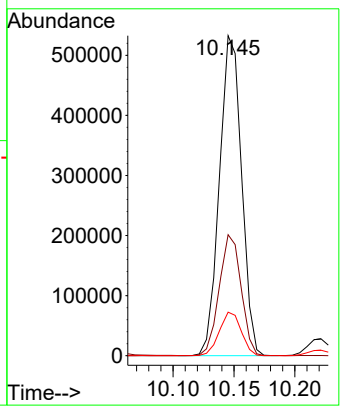


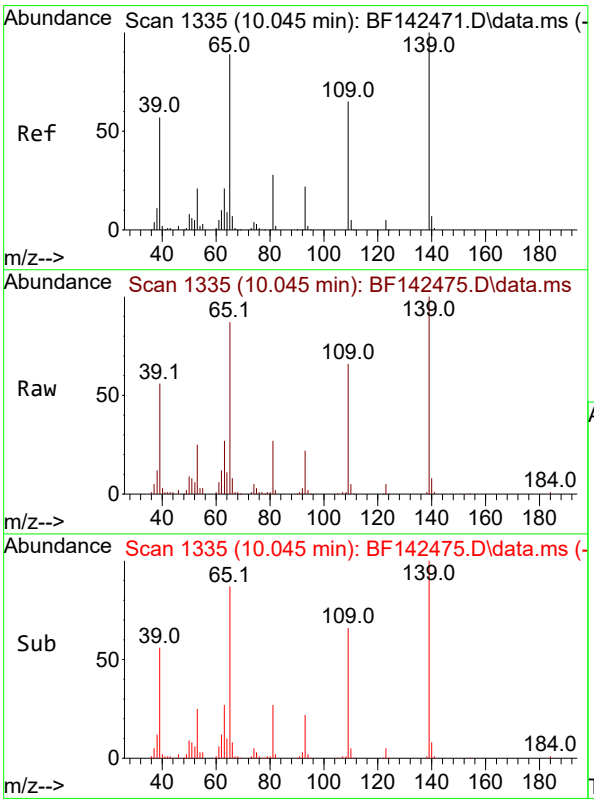
#55
Dibenzofuran
Concen: 37.170 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:168 Resp: 673871

Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.2	45.2
169	13.6	10.7	16.1

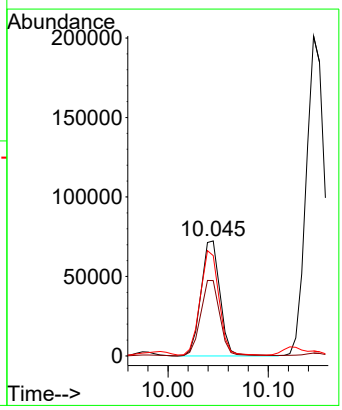


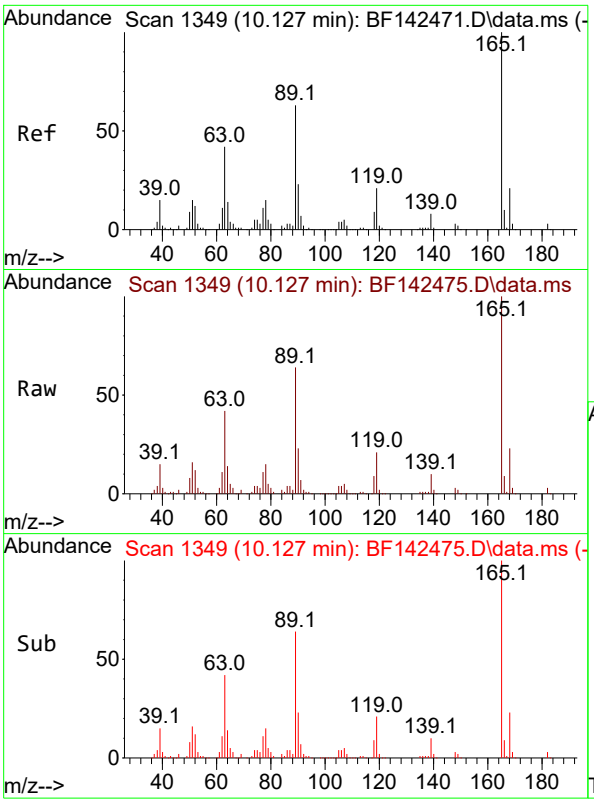


#56
4-Nitrophenol
Concen: 39.320 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:139 Resp: 96197

Ion	Ratio	Lower	Upper
139	100		
109	65.6	45.1	85.1
65	87.3	69.7	109.7



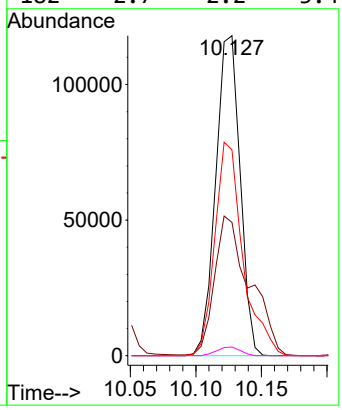


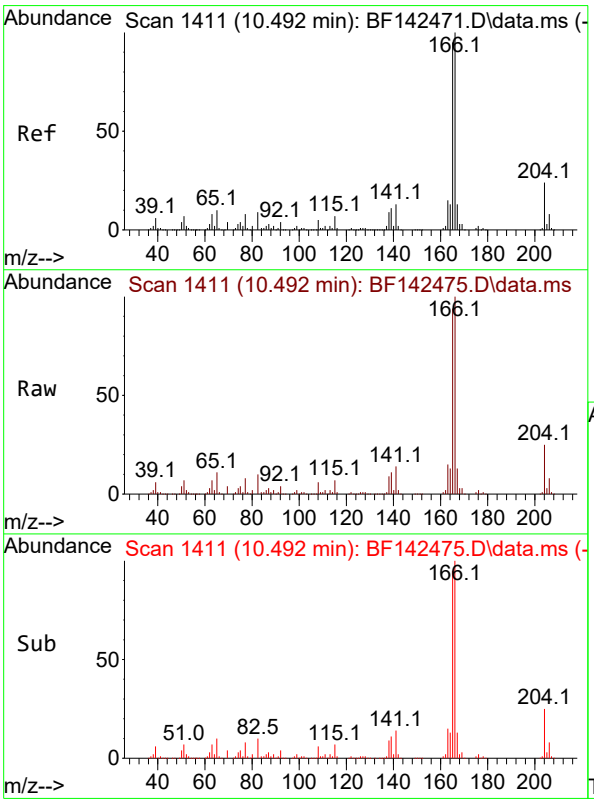
#57
2,4-Dinitrotoluene
Concen: 38.463 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:165 Resp: 152488

Ion	Ratio	Lower	Upper
165	100		
63	41.6	33.6	50.4
89	64.4	50.2	75.4
182	2.7	2.2	3.4

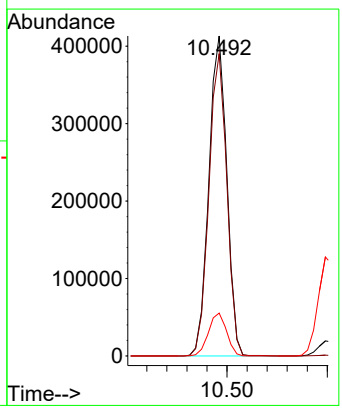


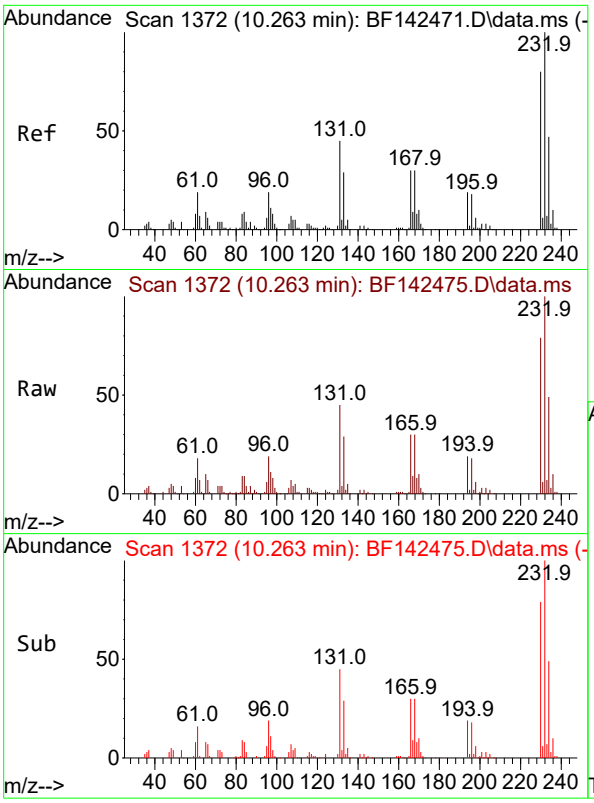


#58
Fluorene
Concen: 36.662 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:166 Resp: 513487

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.8	113.8
167	13.4	10.6	16.0



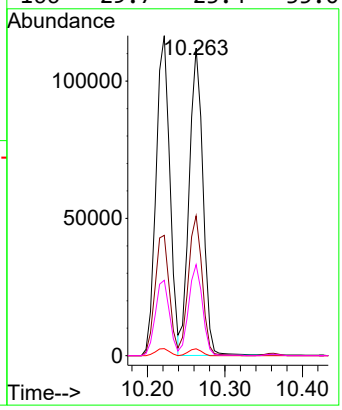


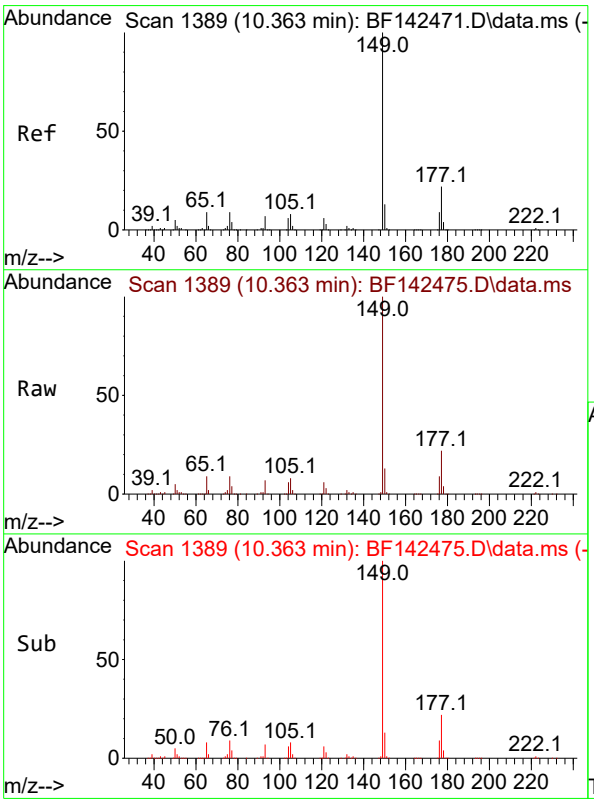
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.000 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:232 Resp: 138047

Ion	Ratio	Lower	Upper
232	100		
131	45.7	35.2	52.8
130	2.1	1.7	2.5
166	29.7	23.4	35.0

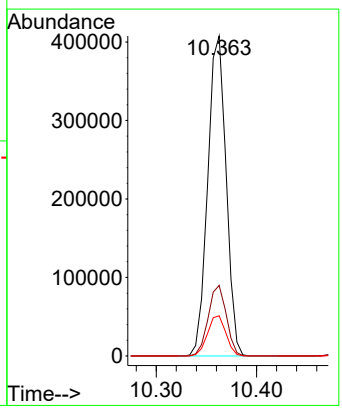


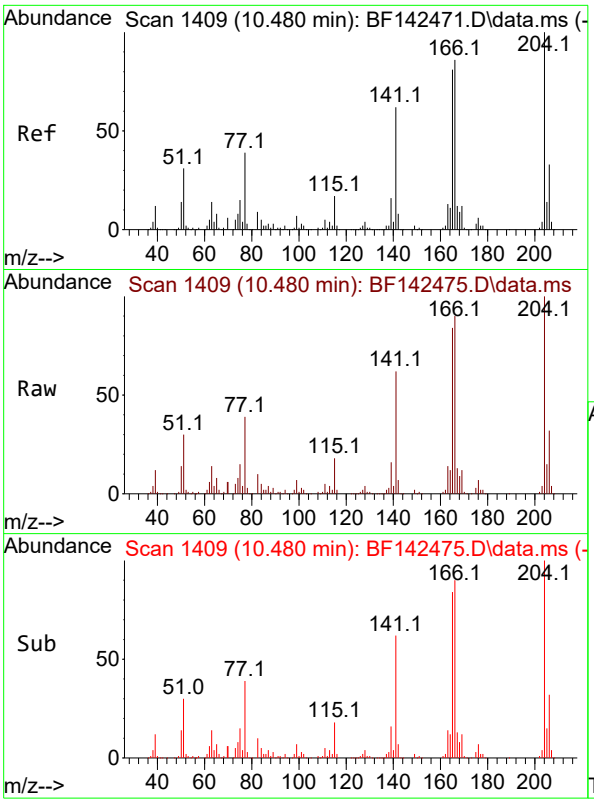


#60
Diethylphthalate
Concen: 37.844 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 519861

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.5	10.1	15.1



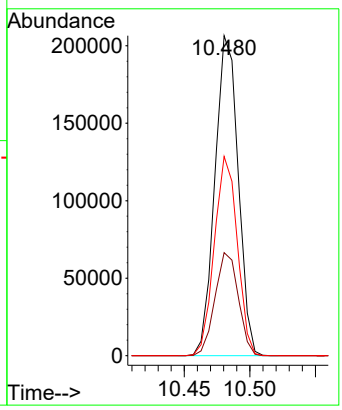


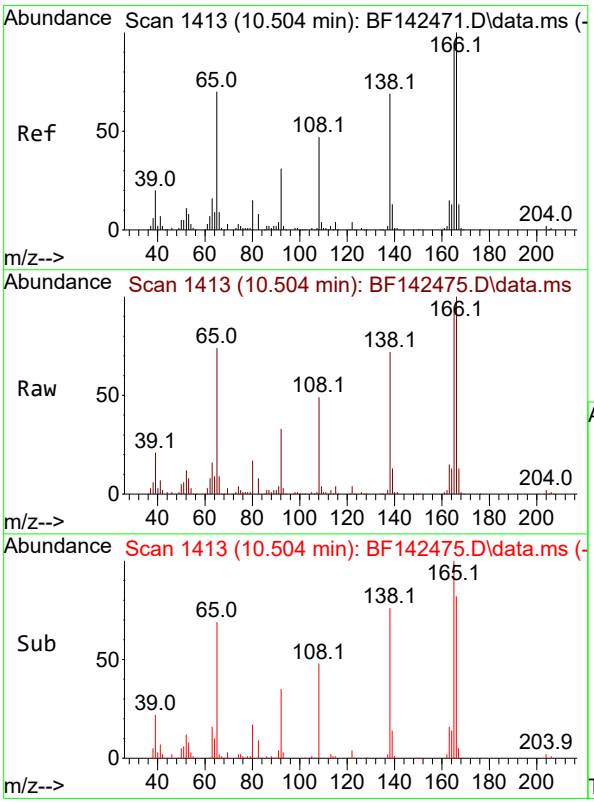
#61
4-Chlorophenyl-phenylether
Concen: 36.985 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:204 Resp: 254467

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	62.3	49.5	74.3

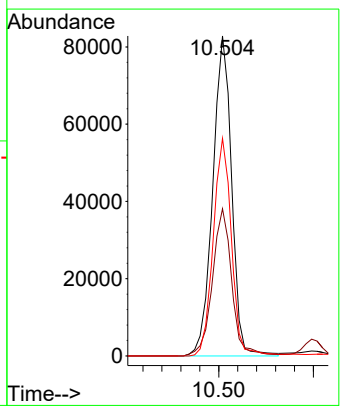


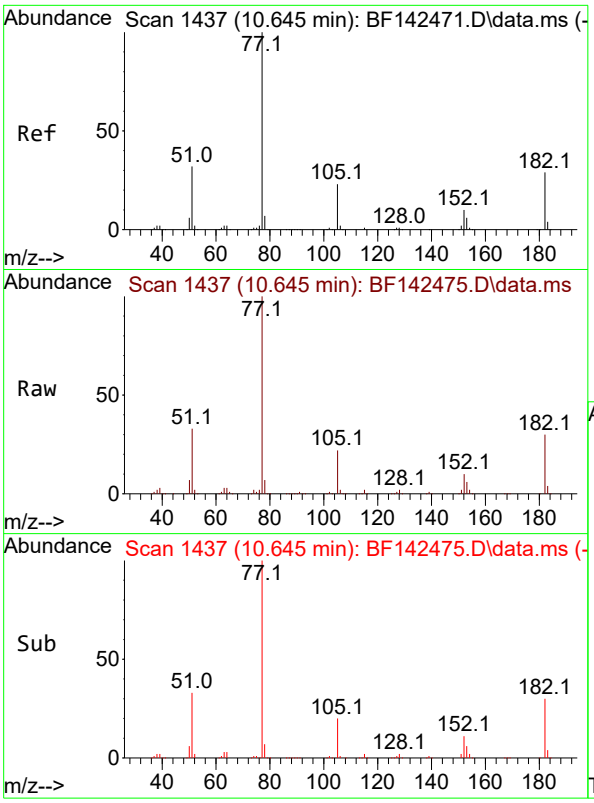


#62
4-Nitroaniline
Concen: 38.132 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:138 Resp: 114671

Ion	Ratio	Lower	Upper
138	100		
92	46.0	26.0	66.0
108	68.0	48.4	88.4



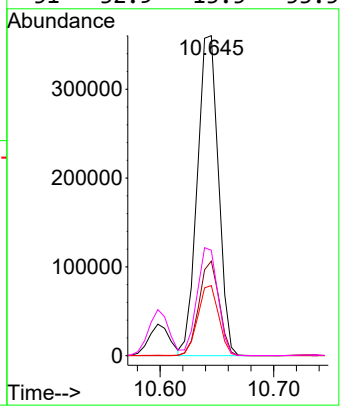


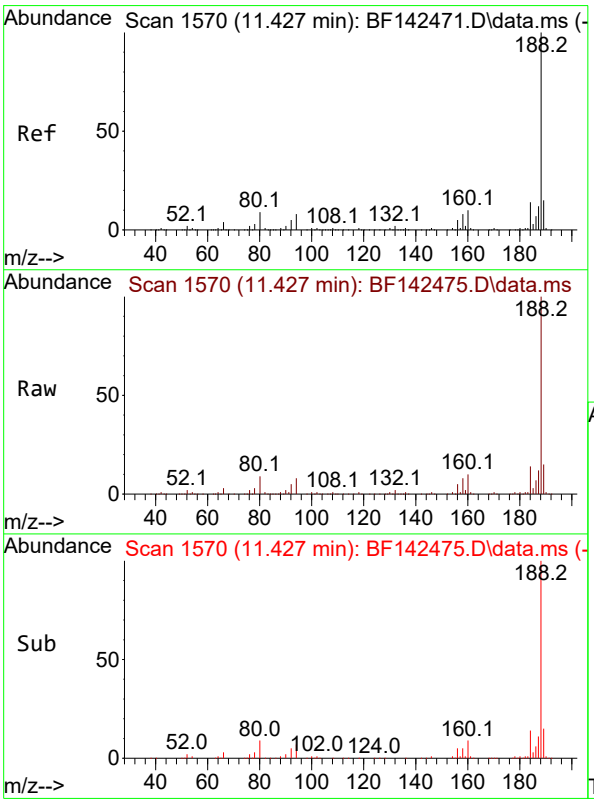
#63
Azobenzene
Concen: 37.780 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion: 77 Resp: 466131

Ion	Ratio	Lower	Upper
77	100		
182	29.6	9.0	49.0
105	21.9	2.4	42.4
51	32.9	13.5	53.5

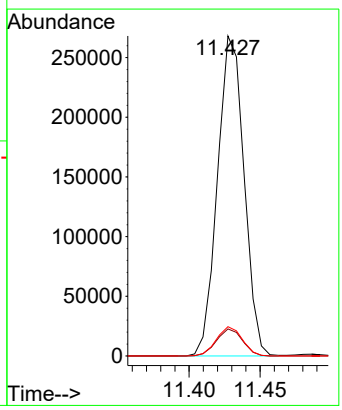


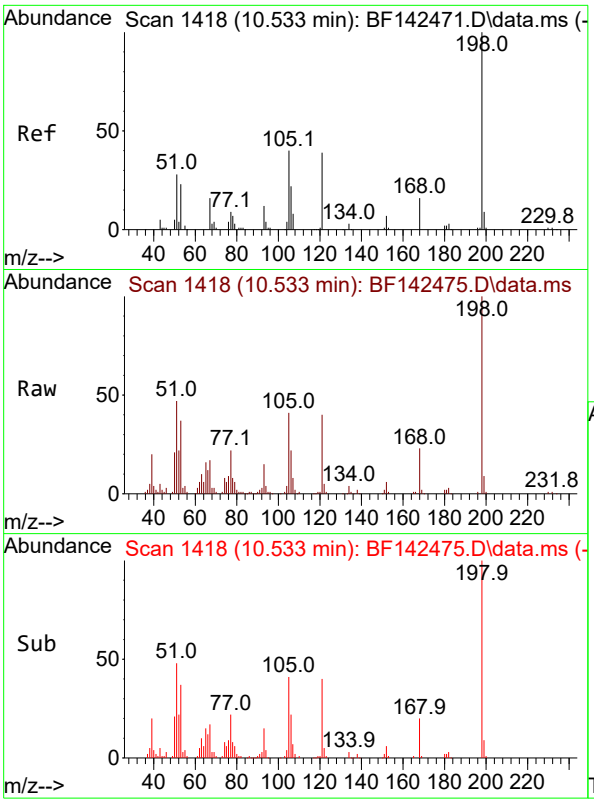


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:188 Resp: 348749

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.2	7.4	11.0



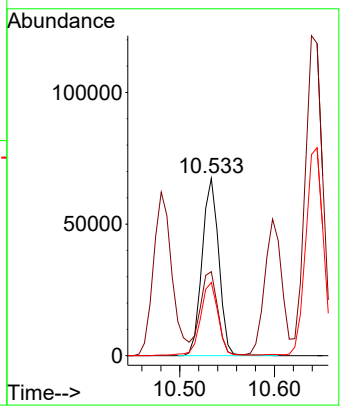


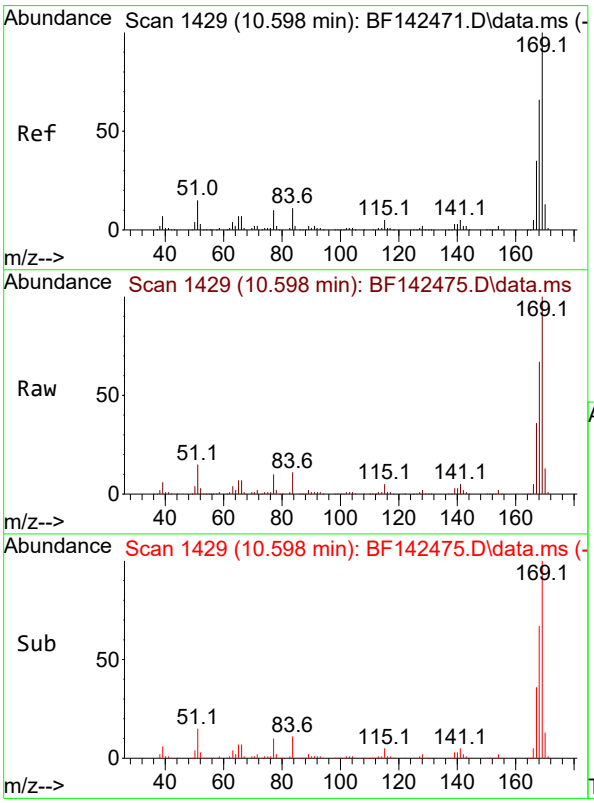
#65
4,6-Dinitro-2-methylphenol
Concen: 42.334 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:198 Resp: 82393

Ion	Ratio	Lower	Upper
198	100		
51	47.3	28.3	68.3
105	41.2	21.3	61.3

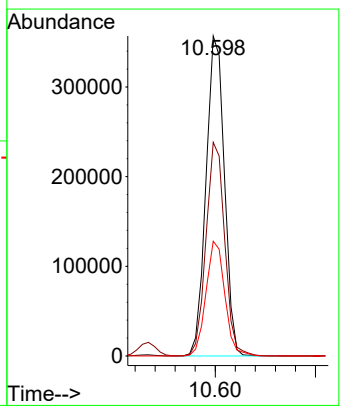


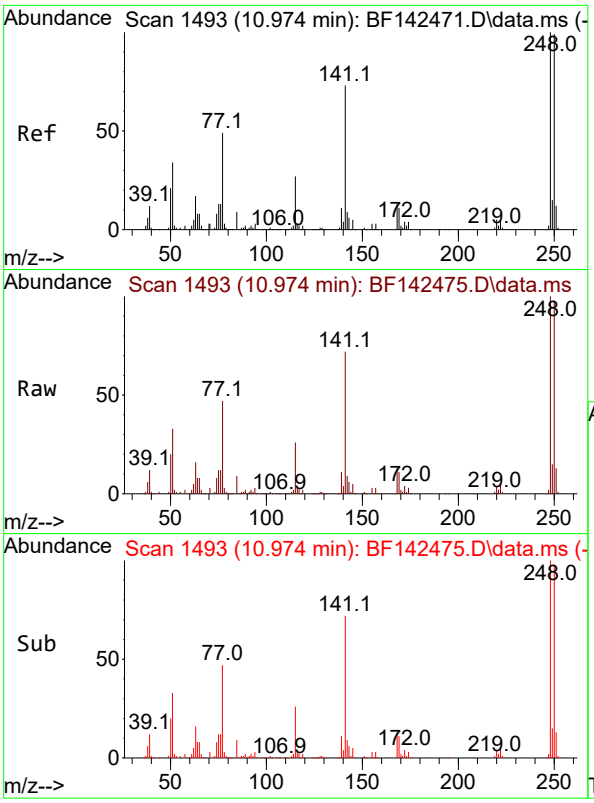


#66
n-Nitrosodiphenylamine
Concen: 38.132 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:169 Resp: 454975

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.7	79.1
167	35.8	28.3	42.5



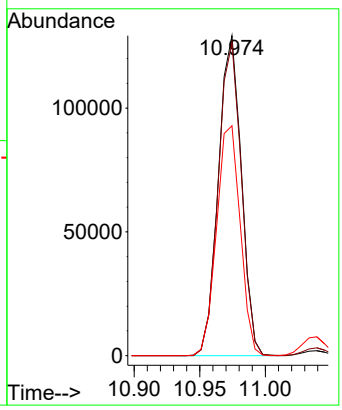


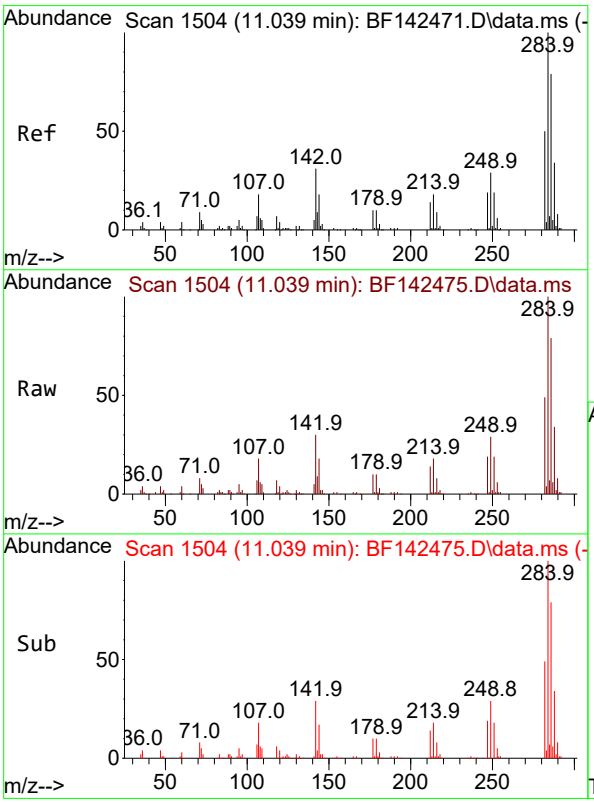
#67
4-Bromophenyl-phenylether
Concen: 38.189 ng
RT: 10.974 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:248 Resp: 157480

Ion	Ratio	Lower	Upper
248	100		
250	97.8	79.0	118.4
141	71.8	58.4	87.6

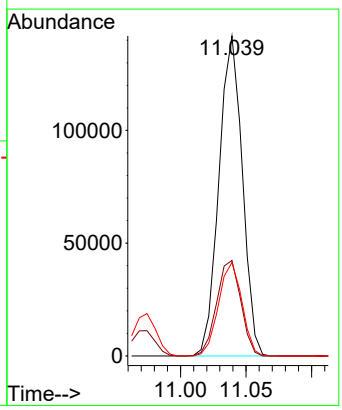


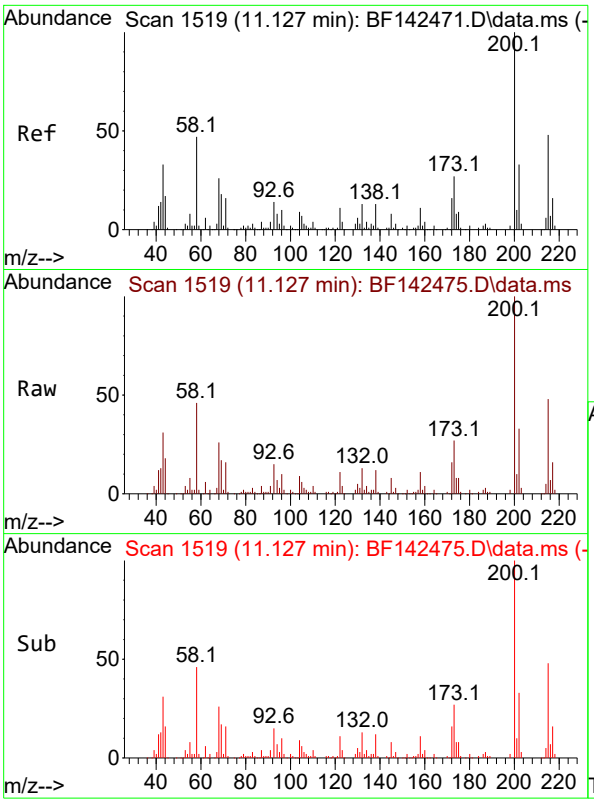


#68
Hexachlorobenzene
Concen: 38.554 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:284 Resp: 175840

Ion	Ratio	Lower	Upper
284	100		
142	29.9	24.8	37.2
249	29.2	23.6	35.4



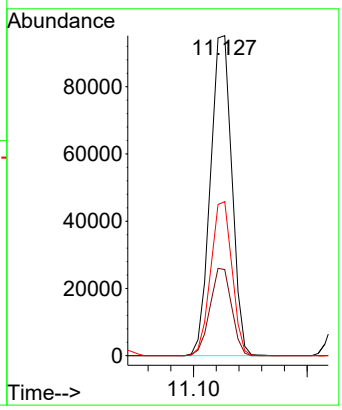


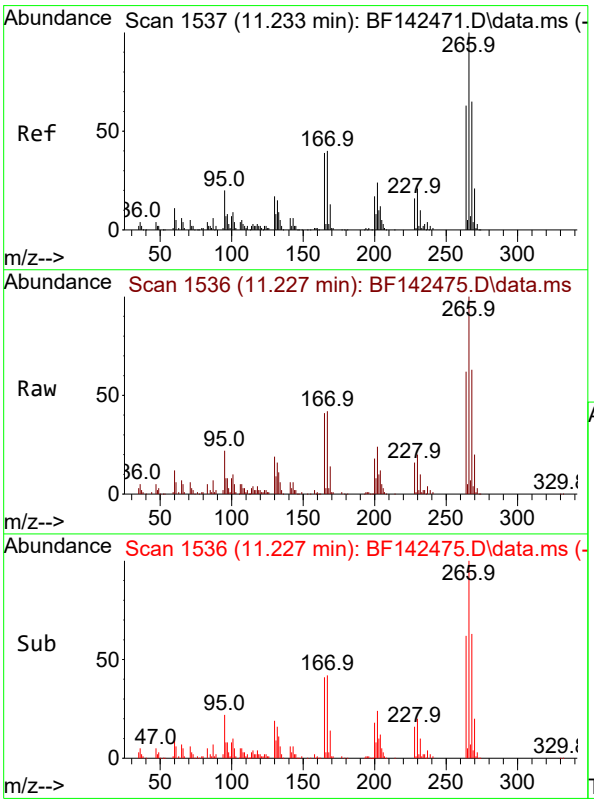
#69
Atrazine
Concen: 39.541 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:200 Resp: 125293

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.4	47.4
215	48.1	28.5	68.5

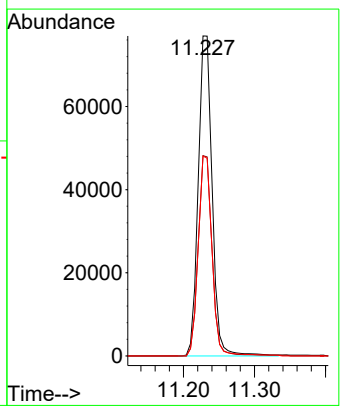


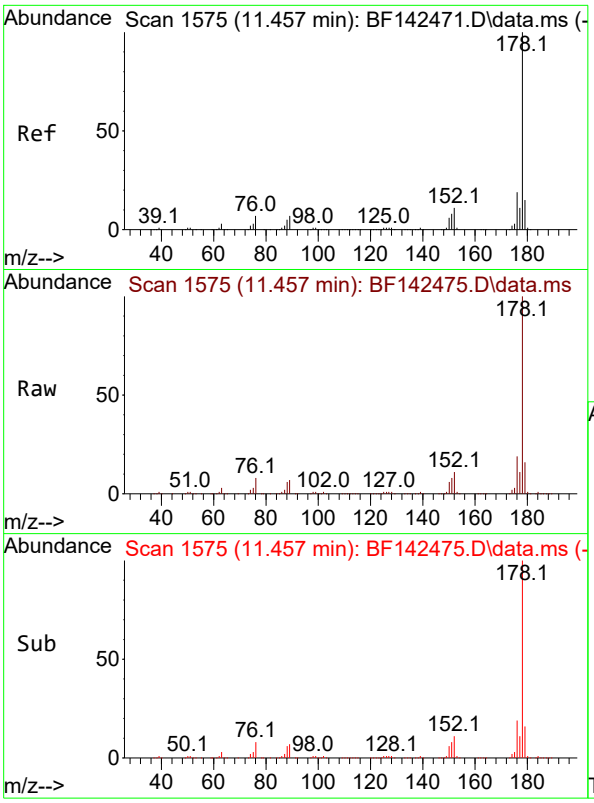


#70
Pentachlorophenol
Concen: 40.866 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:266 Resp: 105232

Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.7	77.5
264	62.5	50.4	75.6



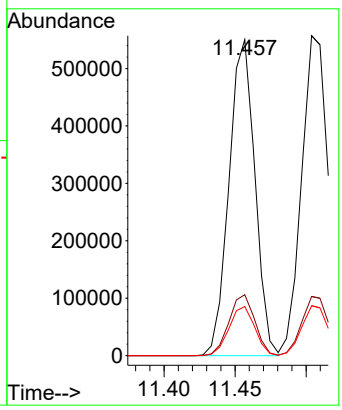


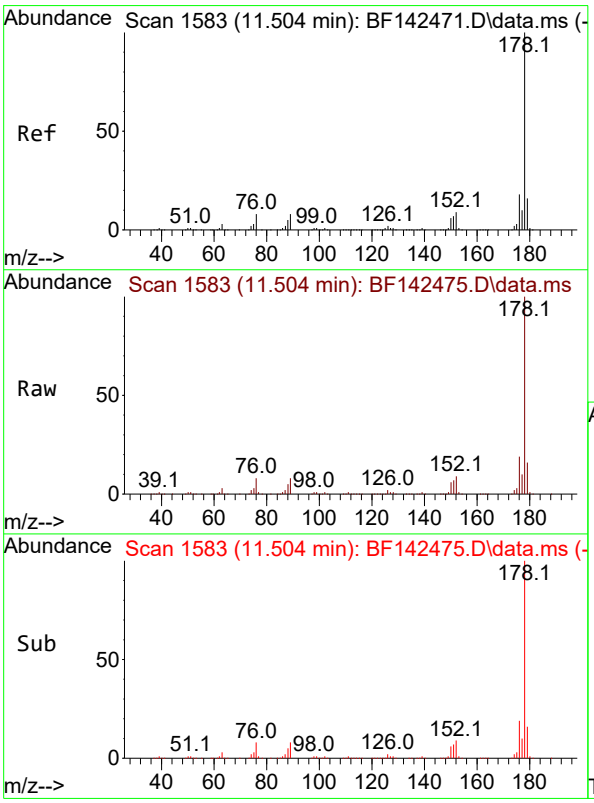
#71
Phenanthrene
Concen: 37.478 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:178 Resp: 698503

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.3	18.5

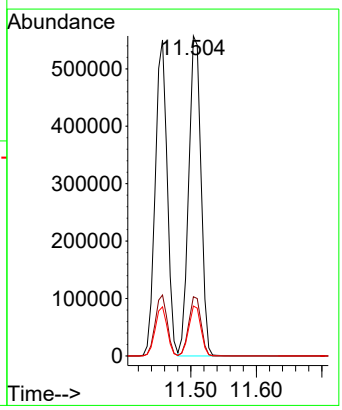


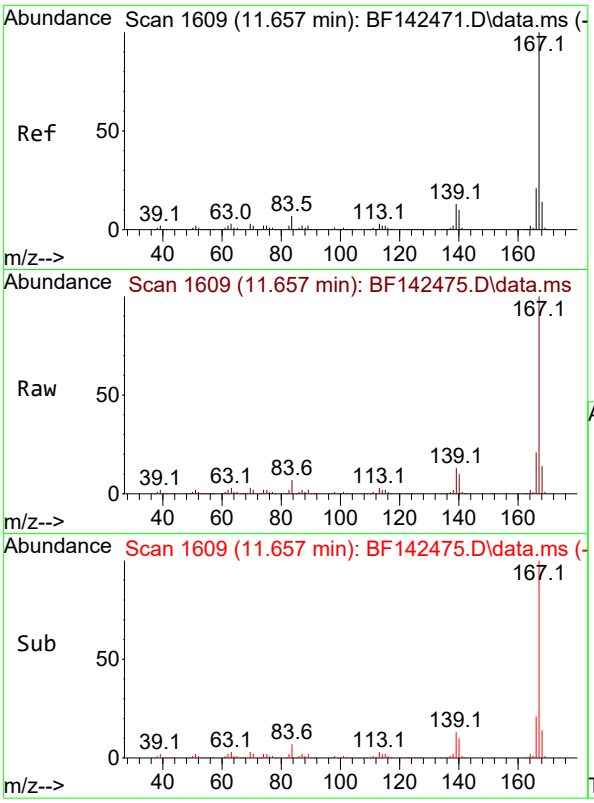


#72
Anthracene
Concen: 38.032 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:178 Resp: 723416

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.6	12.4	18.6



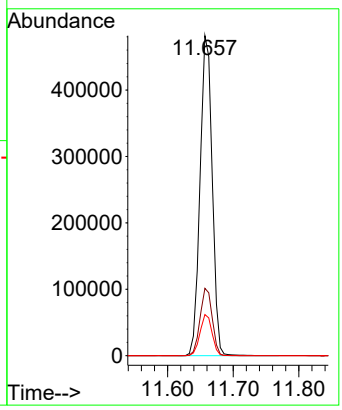


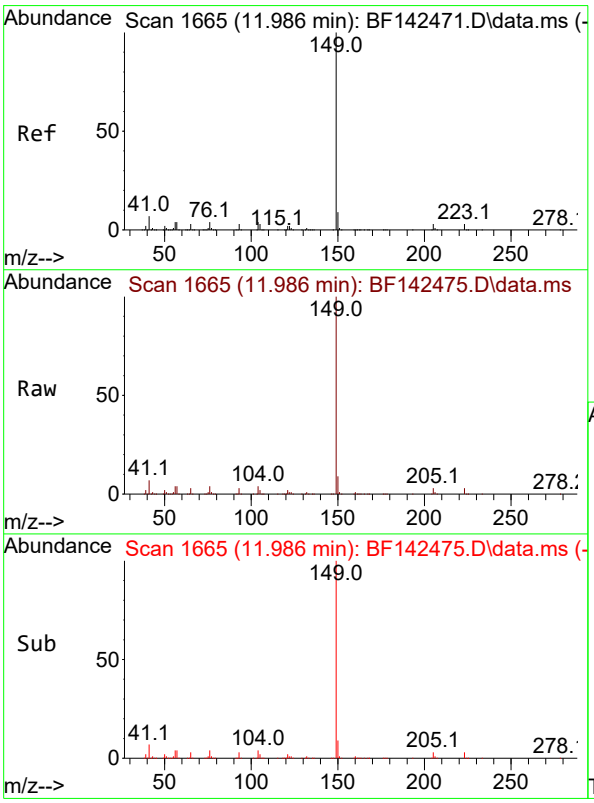
#73
Carbazole
Concen: 38.300 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:167 Resp: 622812

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	12.8	10.2	15.4

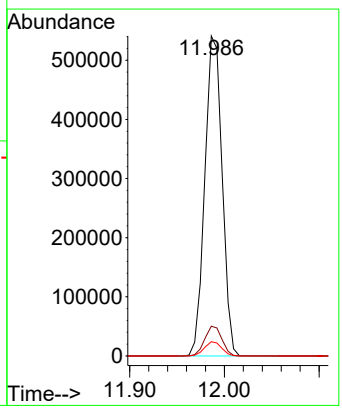


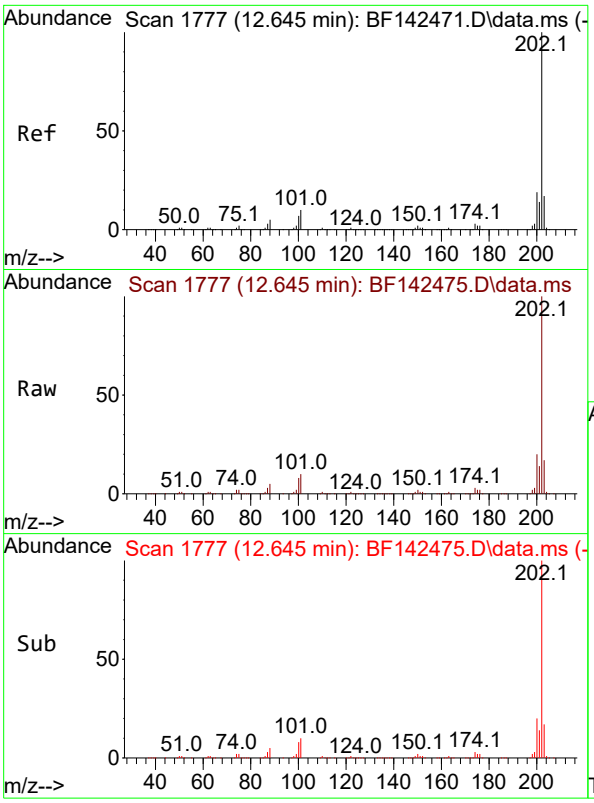


#74
Di-n-butylphthalate
Concen: 38.596 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 686988

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.4	3.6	5.4



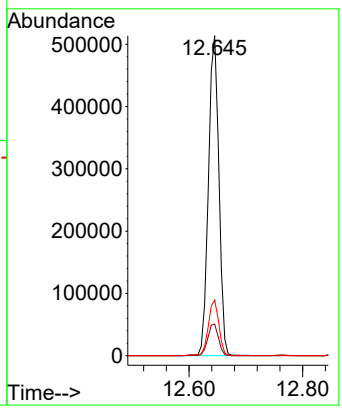


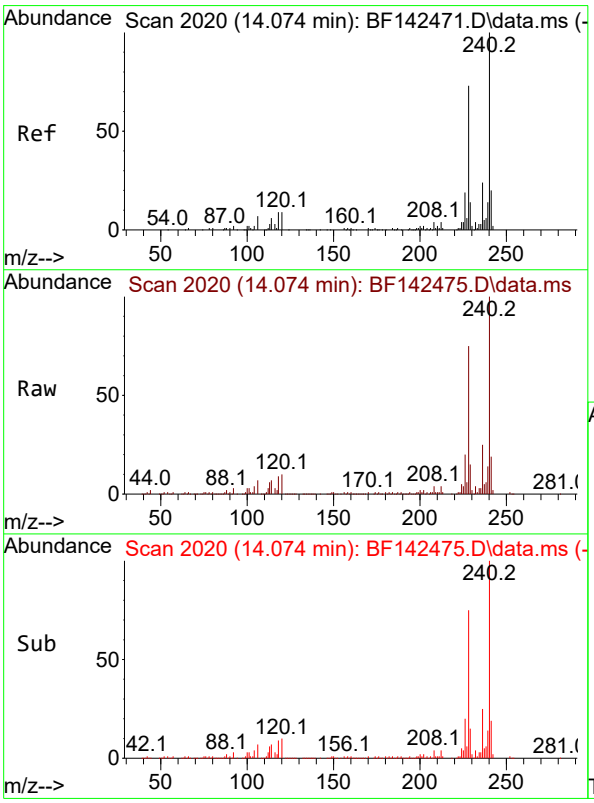
#75
Fluoranthene
Concen: 37.479 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:202 Resp: 652697

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.3	0.0	37.2

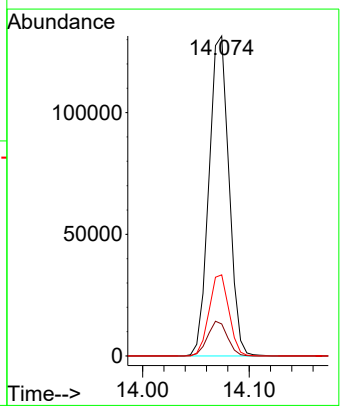


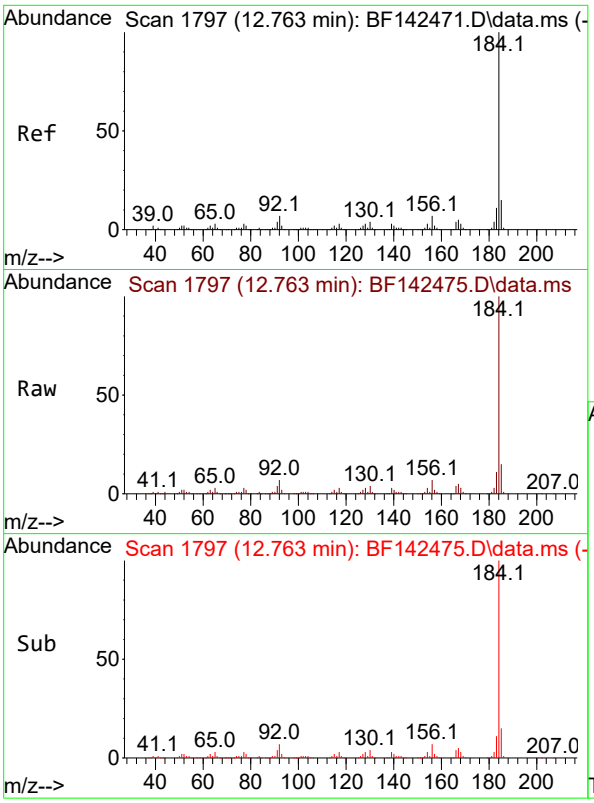


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:240 Resp: 171632

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.5	11.3
236	25.3	19.6	29.4



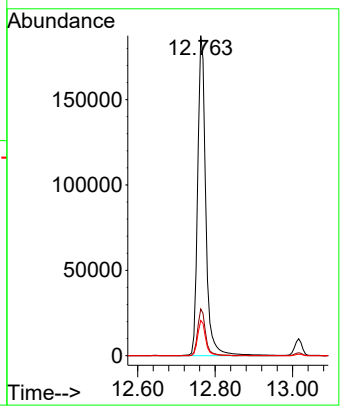


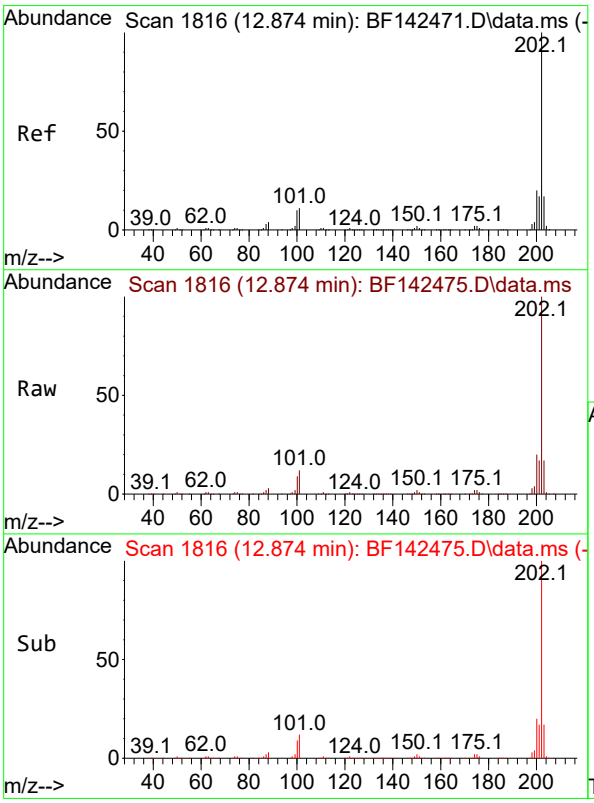
#77
Benzidine
Concen: 42.525 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:184 Resp: 271606

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.0	9.0	13.4

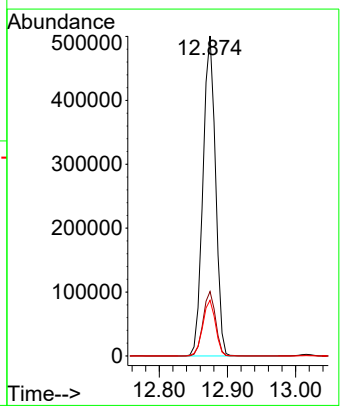


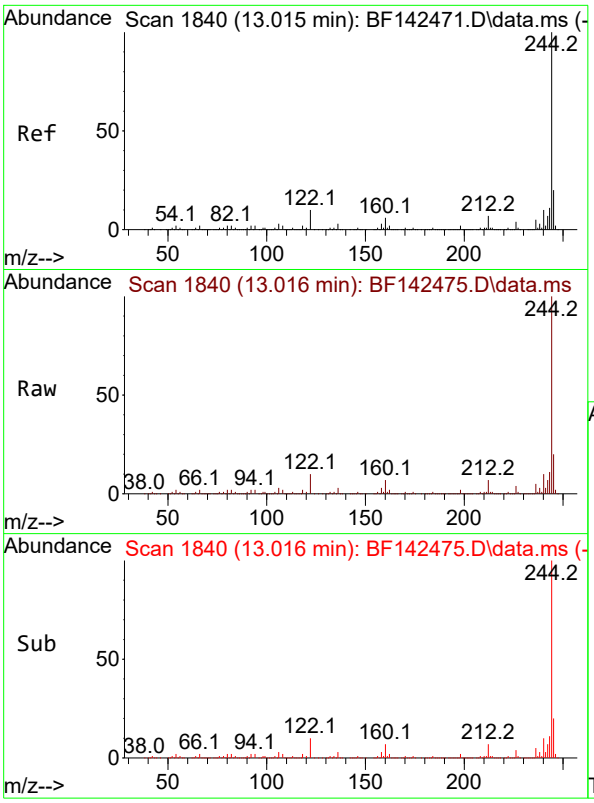


#78
Pyrene
Concen: 40.108 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:202 Resp: 642163

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.4	13.9	20.9



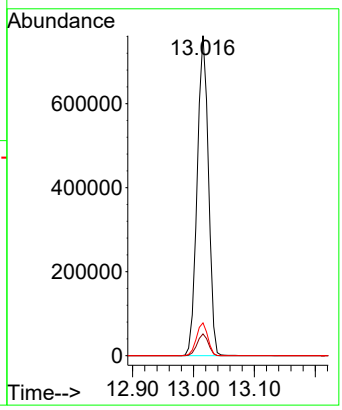


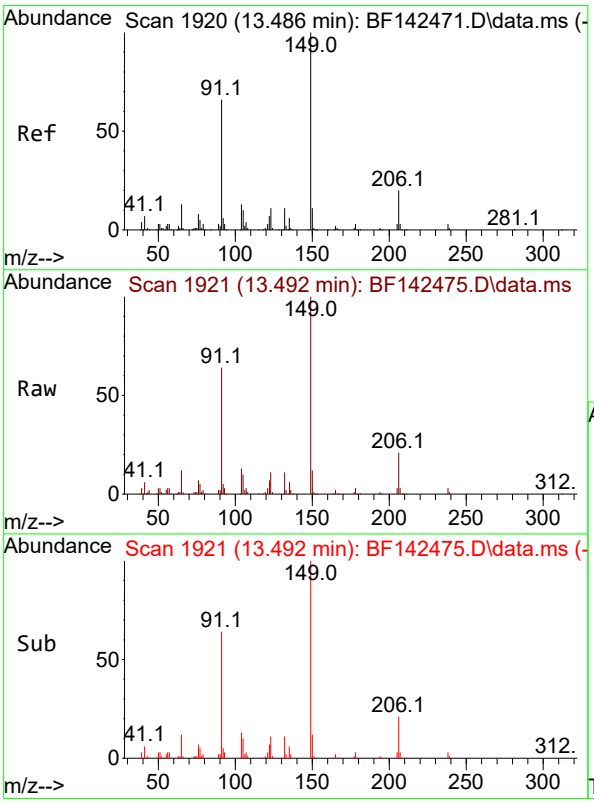
#79
Terphenyl-d14
Concen: 77.714 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:244 Resp: 976059

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.2	8.2	12.2

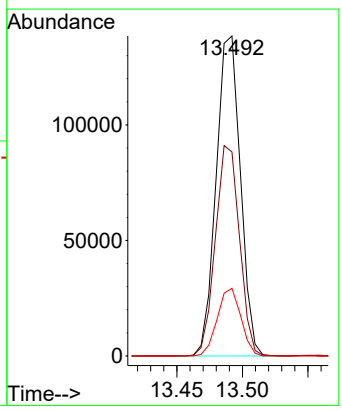


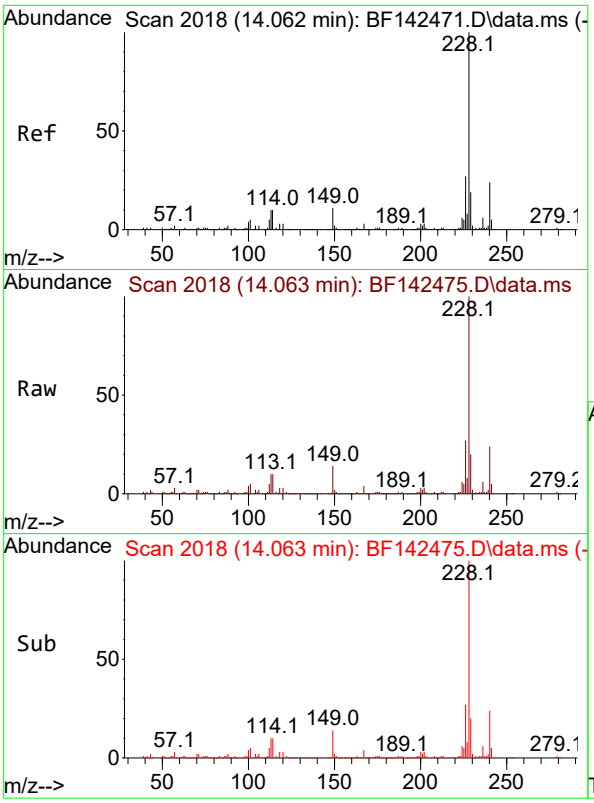


#80
Butylbenzylphthalate
Concen: 40.275 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 178179

Ion	Ratio	Lower	Upper
149	100		
91	63.8	52.9	79.3
206	21.1	16.2	24.2



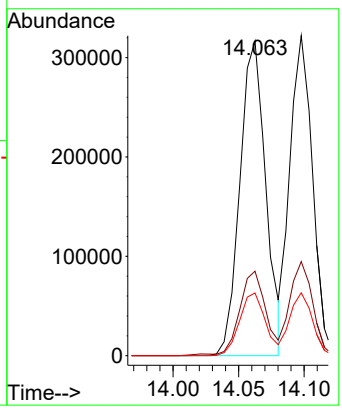


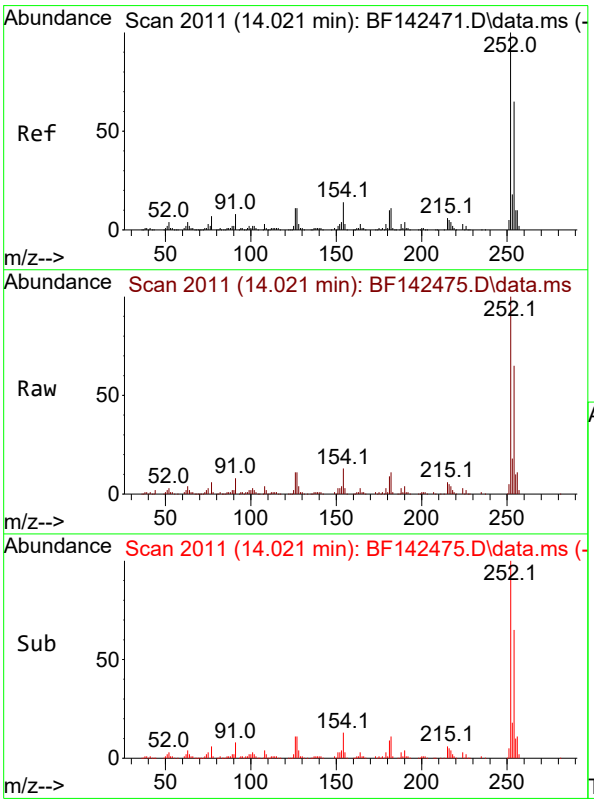
#81
Benzo(a)anthracene
Concen: 37.981 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:228 Resp: 435297

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.2	31.8
229	20.0	15.5	23.3

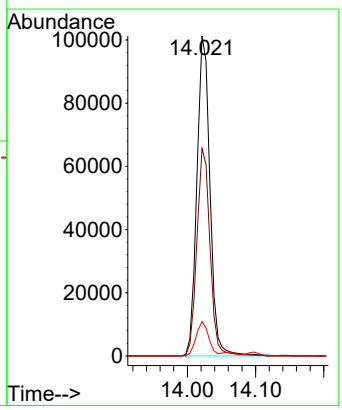


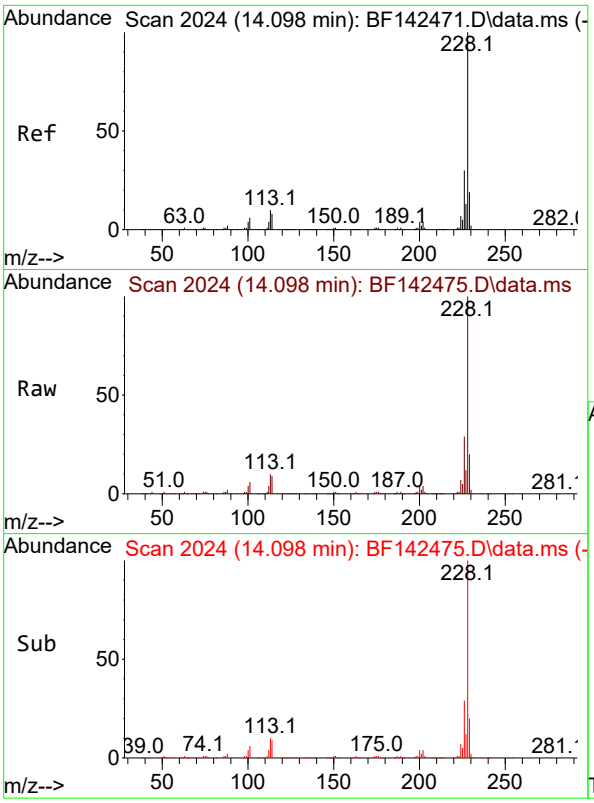


#82
3,3'-Dichlorobenzidine
Concen: 38.874 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 135132

Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.0	78.0
126	10.7	8.9	13.3



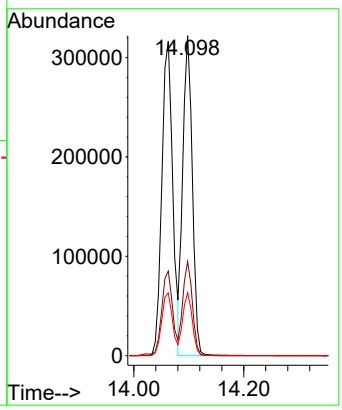


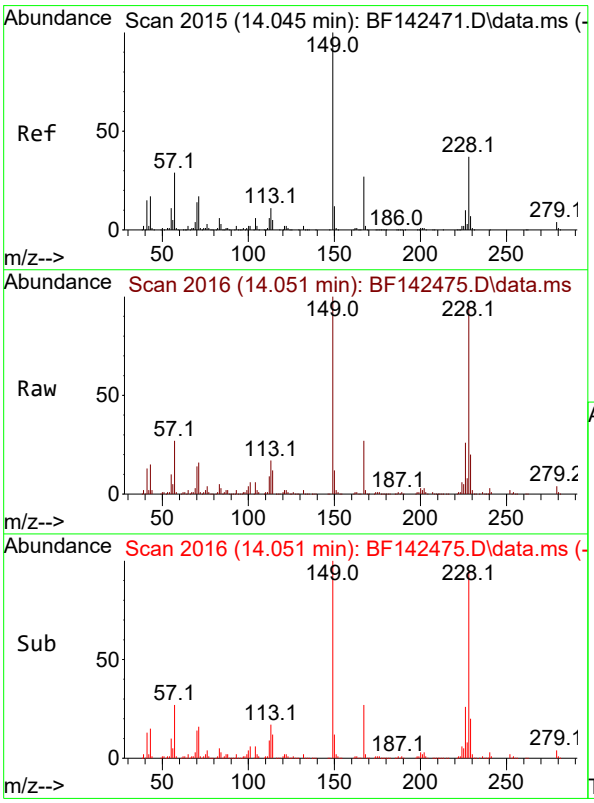
#83
Chrysene
Concen: 37.768 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:228 Resp: 388943

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.6
229	19.6	15.4	23.2

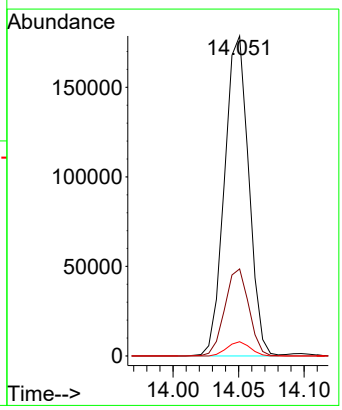


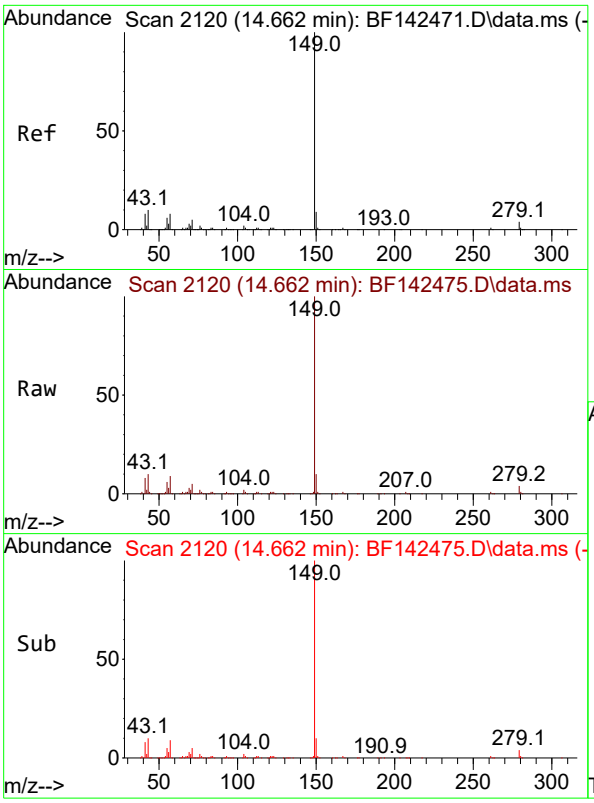


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.596 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:149 Resp: 229915

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.5	32.3
279	4.4	3.2	4.8



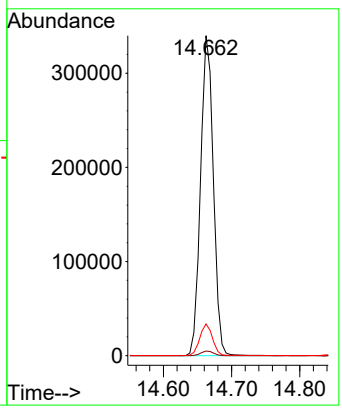


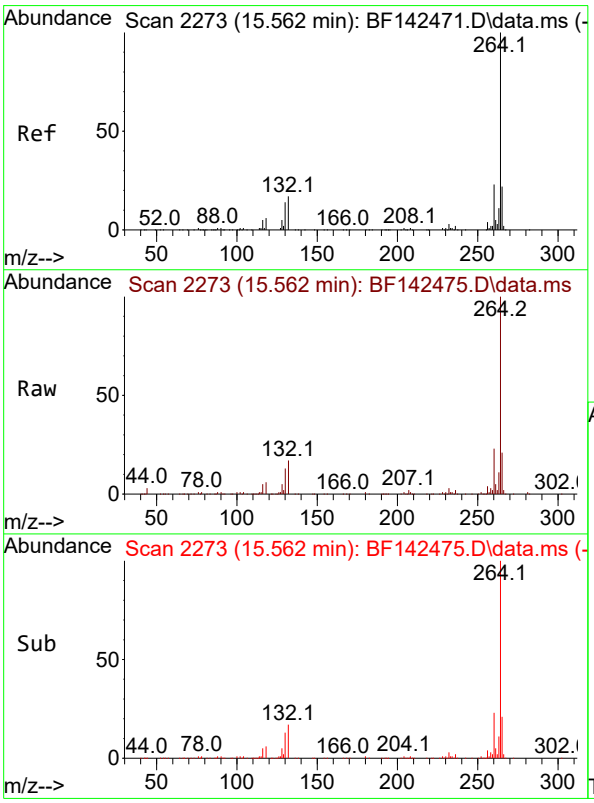
#85
Di-n-octyl phthalate
Concen: 40.048 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:149 Resp: 443488

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	7.9	11.9

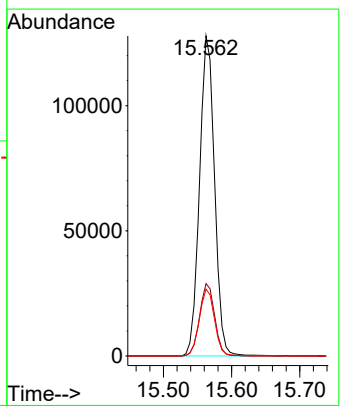


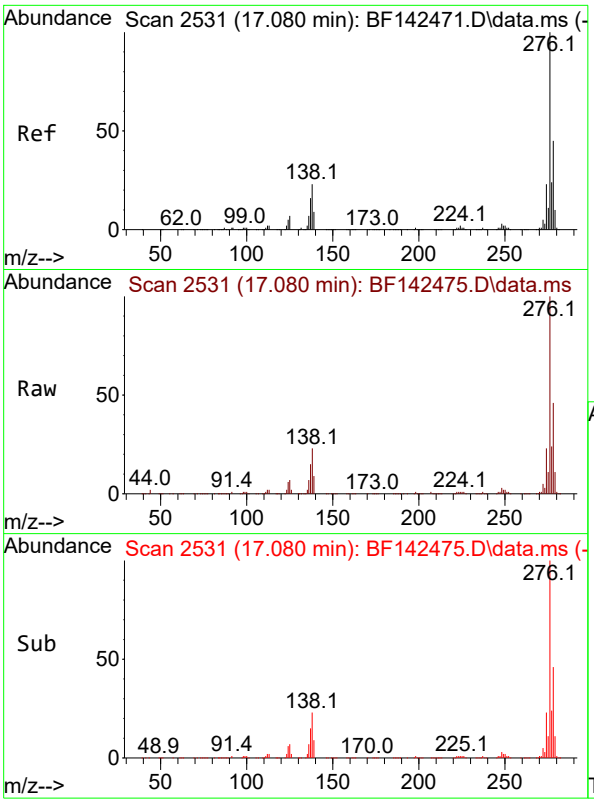


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:264 Resp: 195956

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	20.9	17.7	26.5



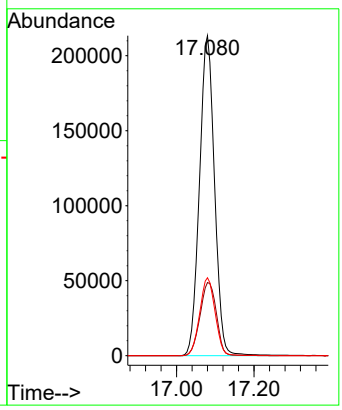


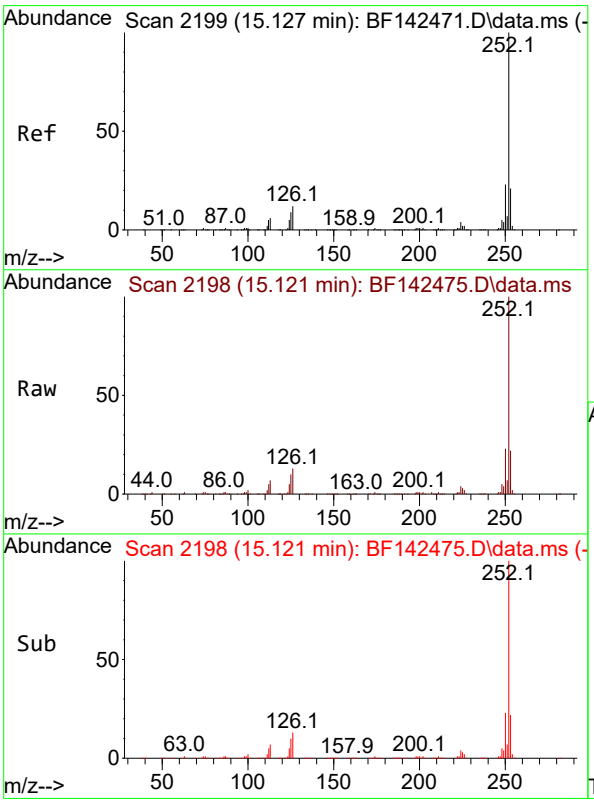
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.070 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:276 Resp: 574771

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.9	29.9
277	25.0	20.2	30.2

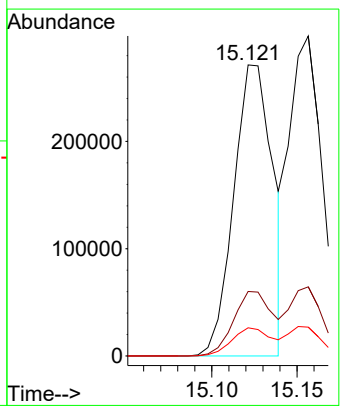


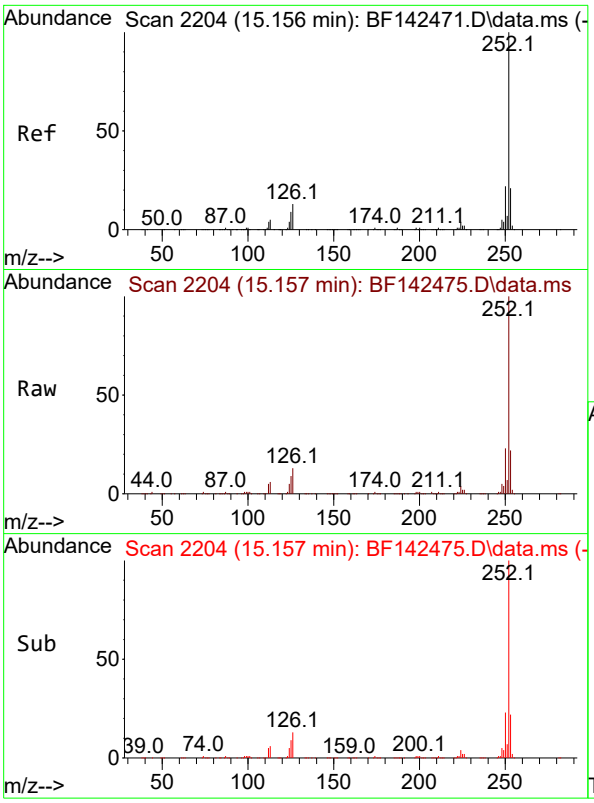


#88
Benzo(b)fluoranthene
Concen: 37.396 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 433704

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	9.7	7.4	11.0



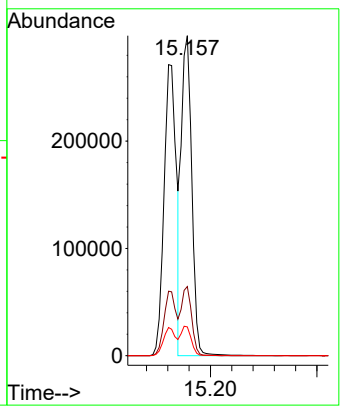


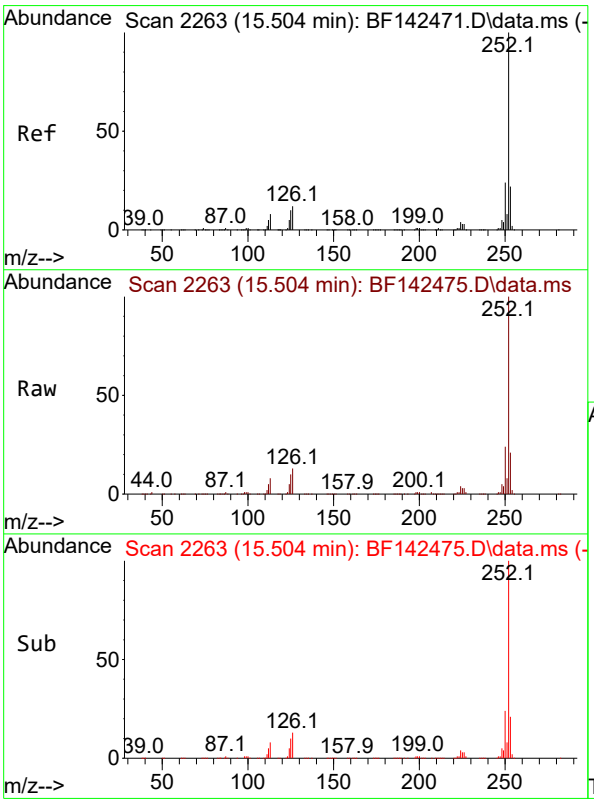
#89
Benzo(k)fluoranthene
Concen: 37.255 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:252 Resp: 404679

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	9.0	7.3	10.9

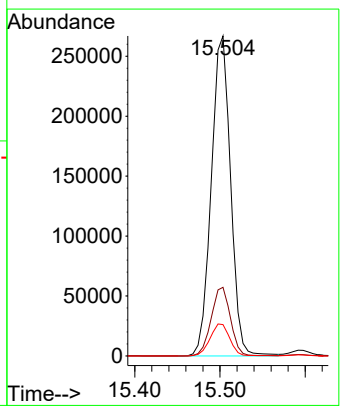


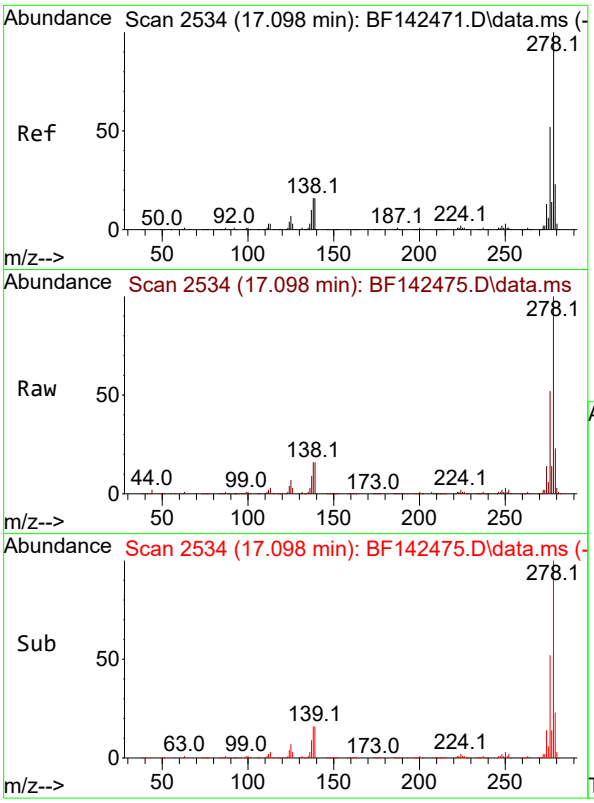


#90
Benzo(a)pyrene
Concen: 38.578 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:252 Resp: 421730

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.8	7.9	11.9



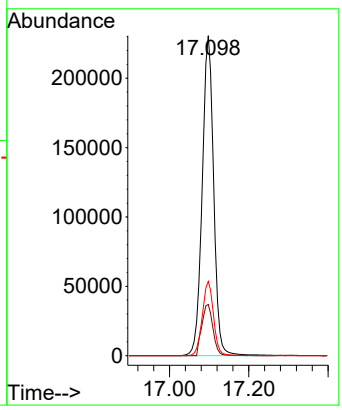


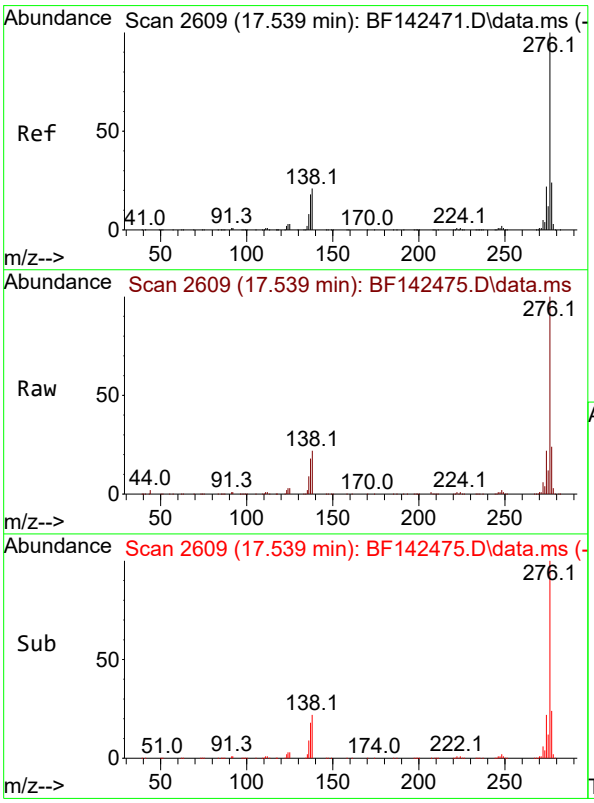
#91
Dibenzo(a,h)anthracene
Concen: 38.868 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Tgt Ion:278 Resp: 463752

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.2	18.6	28.0

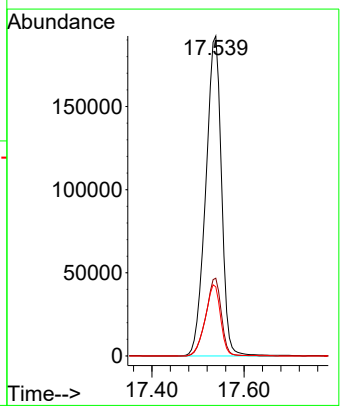




#92
Benzo(g,h,i)perylene
Concen: 38.345 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.018 min
Lab File: BF142475.D
Acq: 20 May 2025 16:31

Tgt Ion:276 Resp: 457604

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	21.6	16.8	25.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.475	0.453	4.6	101	0.00
3		Pyridine	1.210	1.168	3.5	102	0.00
4		n-Nitrosodimethylamine	0.628	0.612	2.5	101	-0.02
5	S	2-Fluorophenol	1.187	1.115	6.1	101	0.00
6		Aniline	1.921	1.845	4.0	102	0.00
7	S	Phenol-d6	1.429	1.358	5.0	101	-0.01
8		2-Chlorophenol	1.293	1.225	5.3	100	0.00
9		Benzaldehyde	0.859	0.832	3.1	104	0.00
10	C	Phenol	1.608	1.542	4.1	103	-0.01
11		bis(2-Chloroethyl)ether	1.157	1.108	4.2	102	0.00
12		1,3-Dichlorobenzene	1.443	1.356	6.0	99	0.00
13	C	1,4-Dichlorobenzene	1.453	1.384	4.7	100	0.00
14		1,2-Dichlorobenzene	1.391	1.311	5.8	101	0.00
15		Benzyl Alcohol	1.056	1.021	3.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.944	1.843	5.2	101	0.00
17		2-Methylphenol	1.010	0.972	3.8	101	0.00
18		Hexachloroethane	0.507	0.484	4.5	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.886	0.838	5.4	101	-0.02
20		3+4-Methylphenols	1.293	1.229	4.9	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.443	0.422	4.7	100	0.00
23	S	Nitrobenzene-d5	0.367	0.354	3.5	102	-0.01
24		Nitrobenzene	0.331	0.320	3.3	101	0.00
25		Isophorone	0.613	0.581	5.2	100	-0.01
26	C	2-Nitrophenol	0.177	0.177	0.0	103	0.00
27		2,4-Dimethylphenol	0.312	0.304	2.6	102	0.00
28		bis(2-Chloroethoxy)methane	0.383	0.368	3.9	103	0.00
29	C	2,4-Dichlorophenol	0.283	0.271	4.2	100	0.00
30		1,2,4-Trichlorobenzene	0.308	0.294	4.5	102	0.00
31		Naphthalene	0.985	0.938	4.8	102	0.00
32		Benzoic acid	0.190	0.192	-1.1	104	-0.04
33		4-Chloroaniline	0.399	0.389	2.5	102	0.00
34	C	Hexachlorobutadiene	0.192	0.185	3.6	101	0.00
35		Caprolactam	0.080	0.078	2.5	101	-0.02
36	C	4-Chloro-3-methylphenol	0.291	0.281	3.4	102	-0.01
37		2-Methylnaphthalene	0.620	0.590	4.8	102	0.00
38		1-Methylnaphthalene	0.641	0.612	4.5	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.538	6.3	101	0.00
41	P	Hexachlorocyclopentadiene	0.387	0.387	0.0	102	0.00
42	S	2,4,6-Tribromophenol	0.222	0.210	5.4	103	0.00
43	C	2,4,6-Trichlorophenol	0.387	0.367	5.2	102	0.00
44		2,4,5-Trichlorophenol	0.408	0.385	5.6	101	0.00
45	S	2-Fluorobiphenyl	1.490	1.352	9.3	101	0.00
46		1,1'-Biphenyl	1.552	1.454	6.3	102	0.00
47		2-Chloronaphthalene	1.146	1.082	5.6	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.331	0.322	2.7	103	0.00
49		Acenaphthylene	1.936	1.821	5.9	102	0.00
50		Dimethylphthalate	1.320	1.227	7.0	101	0.00
51		2,6-Dinitrotoluene	0.285	0.272	4.6	100	0.00
52	C	Acenaphthene	1.182	1.119	5.3	103	0.00
53		3-Nitroaniline	0.311	0.297	4.5	103	0.00
54	P	2,4-Dinitrophenol	0.147	0.153	-4.1	106	-0.01
55		Dibenzofuran	1.701	1.581	7.1	102	0.00
56	P	4-Nitrophenol	0.230	0.226	1.7	103	0.00
57		2,4-Dinitrotoluene	0.372	0.358	3.8	102	0.00
58		Fluorene	1.314	1.204	8.4	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.324	5.0	101	0.00
60		Diethylphthalate	1.289	1.219	5.4	102	0.00
61		4-Chlorophenyl-phenylether	0.646	0.597	7.6	101	0.00
62		4-Nitroaniline	0.282	0.269	4.6	100	-0.01
63		Azobenzene	1.158	1.093	5.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.112	0.118	-5.4	104	0.00
66	c	n-Nitrosodiphenylamine	0.684	0.652	4.7	102	0.00
67		4-Bromophenyl-phenylether	0.236	0.226	4.2	103	0.00
68		Hexachlorobenzene	0.262	0.252	3.8	102	0.00
69		Atrazine	0.182	0.180	1.1	103	0.00
70	C	Pentachlorophenol	0.148	0.151	-2.0	104	0.00
71		Phenanthrene	1.069	1.001	6.4	101	0.00
72		Anthracene	1.091	1.037	4.9	102	0.00
73		Carbazole	0.933	0.893	4.3	102	0.00
74		Di-n-butylphthalate	1.021	0.985	3.5	103	0.00
75	C	Fluoranthene	0.999	0.936	6.3	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.744	0.791	-6.3	101	0.00
78		Pyrene	1.866	1.871	-0.3	102	0.00
79	S	Terphenyl-d14	1.464	1.422	2.9	101	0.00
80		Butylbenzylphthalate	0.516	0.519	-0.6	100	0.00
81		Benzo(a)anthracene	1.336	1.268	5.1	101	0.00
82		3,3'-Dichlorobenzidine	0.405	0.394	2.7	98	0.00
83		Chrysene	1.200	1.133	5.6	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.660	0.670	-1.5	101	0.00
85	c	Di-n-octyl phthalate	1.290	1.292	-0.2	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.501	1.467	2.3	105	-0.01
88		Benzo(b)fluoranthene	1.184	1.107	6.5	102	0.00
89		Benzo(k)fluoranthene	1.109	1.033	6.9	103	0.00
90	C	Benzo(a)pyrene	1.116	1.076	3.6	103	0.00
91		Dibenzo(a,h)anthracene	1.218	1.183	2.9	103	-0.02
92		Benzo(g,h,i)perylene	1.218	1.168	4.1	102	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	38.184	4.5	101	0.00
3		Pyridine	40.000	38.607	3.5	102	0.00
4		n-Nitrosodimethylamine	40.000	38.995	2.5	101	-0.02
5	S	2-Fluorophenol	80.000	75.157	6.1	101	0.00
6		Aniline	40.000	38.415	4.0	102	0.00
7	S	Phenol-d6	80.000	76.025	5.0	101	-0.01
8		2-Chlorophenol	40.000	37.902	5.2	100	0.00
9		Benzaldehyde	40.000	38.726	3.2	104	0.00
10	C	Phenol	40.000	38.362	4.1	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.280	4.3	102	0.00
12		1,3-Dichlorobenzene	40.000	37.579	6.1	99	0.00
13	C	1,4-Dichlorobenzene	40.000	38.078	4.8	100	0.00
14		1,2-Dichlorobenzene	40.000	37.716	5.7	101	0.00
15		Benzyl Alcohol	40.000	38.663	3.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.927	5.2	101	0.00
17		2-Methylphenol	40.000	38.500	3.8	101	0.00
18		Hexachloroethane	40.000	38.137	4.7	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.833	5.4	101	-0.02
20		3+4-Methylphenols	40.000	38.020	4.9	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	38.118	4.7	100	0.00
23	S	Nitrobenzene-d5	80.000	77.283	3.4	102	-0.01
24		Nitrobenzene	40.000	38.737	3.2	101	0.00
25		Isophorone	40.000	37.906	5.2	100	-0.01
26	C	2-Nitrophenol	40.000	39.958	0.1	103	0.00
27		2,4-Dimethylphenol	40.000	38.953	2.6	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.407	4.0	103	0.00
29	C	2,4-Dichlorophenol	40.000	38.285	4.3	100	0.00
30		1,2,4-Trichlorobenzene	40.000	38.187	4.5	102	0.00
31		Naphthalene	40.000	38.112	4.7	102	0.00
32		Benzoic acid	40.000	40.490	-1.2	104	-0.04
33		4-Chloroaniline	40.000	38.962	2.6	102	0.00
34	C	Hexachlorobutadiene	40.000	38.512	3.7	101	0.00
35		Caprolactam	40.000	39.162	2.1	101	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.654	3.4	102	-0.01
37		2-Methylnaphthalene	40.000	38.062	4.8	102	0.00
38		1-Methylnaphthalene	40.000	38.229	4.4	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.508	6.2	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.991	0.0	102	0.00
42	S	2,4,6-Tribromophenol	80.000	75.790	5.3	103	0.00
43	C	2,4,6-Trichlorophenol	40.000	37.954	5.1	102	0.00
44		2,4,5-Trichlorophenol	40.000	37.766	5.6	101	0.00
45	S	2-Fluorobiphenyl	80.000	72.557	9.3	101	0.00
46		1,1'-Biphenyl	40.000	37.487	6.3	102	0.00
47		2-Chloronaphthalene	40.000	37.763	5.6	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.867	2.8	103	0.00
49		Acenaphthylene	40.000	37.630	5.9	102	0.00
50		Dimethylphthalate	40.000	37.184	7.0	101	0.00
51		2,6-Dinitrotoluene	40.000	38.191	4.5	100	0.00
52	C	Acenaphthene	40.000	37.877	5.3	103	0.00
53		3-Nitroaniline	40.000	38.246	4.4	103	0.00
54	P	2,4-Dinitrophenol	40.000	41.481	-3.7	106	-0.01
55		Dibenzofuran	40.000	37.170	7.1	102	0.00
56	P	4-Nitrophenol	40.000	39.320	1.7	103	0.00
57		2,4-Dinitrotoluene	40.000	38.463	3.8	102	0.00
58		Fluorene	40.000	36.662	8.3	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.000	5.0	101	0.00
60		Diethylphthalate	40.000	37.844	5.4	102	0.00
61		4-Chlorophenyl-phenylether	40.000	36.985	7.5	101	0.00
62		4-Nitroaniline	40.000	38.132	4.7	100	-0.01
63		Azobenzene	40.000	37.780	5.5	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.334	-5.8	104	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.132	4.7	102	0.00
67		4-Bromophenyl-phenylether	40.000	38.189	4.5	103	0.00
68		Hexachlorobenzene	40.000	38.554	3.6	102	0.00
69		Atrazine	40.000	39.541	1.1	103	0.00
70	C	Pentachlorophenol	40.000	40.866	-2.2	104	0.00
71		Phenanthrene	40.000	37.478	6.3	101	0.00
72		Anthracene	40.000	38.032	4.9	102	0.00
73		Carbazole	40.000	38.300	4.3	102	0.00
74		Di-n-butylphthalate	40.000	38.596	3.5	103	0.00
75	C	Fluoranthene	40.000	37.479	6.3	101	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	42.525	-6.3	101	0.00
78		Pyrene	40.000	40.108	-0.3	102	0.00
79	S	Terphenyl-d14	80.000	77.714	2.9	101	0.00
80		Butylbenzylphthalate	40.000	40.275	-0.7	100	0.00
81		Benzo(a)anthracene	40.000	37.981	5.0	101	0.00
82		3,3'-Dichlorobenzidine	40.000	38.874	2.8	98	0.00
83		Chrysene	40.000	37.768	5.6	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.596	-1.5	101	0.00
85	c	Di-n-octyl phthalate	40.000	40.048	-0.1	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.070	2.3	105	-0.01
88		Benzo(b)fluoranthene	40.000	37.396	6.5	102	0.00
89		Benzo(k)fluoranthene	40.000	37.255	6.9	103	0.00
90	C	Benzo(a)pyrene	40.000	38.578	3.6	103	0.00
91		Dibenzo(a,h)anthracene	40.000	38.868	2.8	103	-0.02
92		Benzo(g,h,i)perylene	40.000	38.345	4.1	102	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142475.D
Acq On : 20 May 2025 16:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF052025

Quant Time: May 20 17:07:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date(s): 06/05/2025 06/05/2025

Calibration Time(s): 09:20 13:56

LAB FILE ID: RRF2.5 = BM050194.D RRF005 = BM050195.D RRF010 = BM050196.D
RRF020 = BM050197.D RRF040 = BM050198.D RRF050 = BM050199.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.251	1.193	1.192	1.145	1.238	1.199	3.5
Benzaldehyde		1.158	1.080	1.076	0.878	0.975	0.995	13.6
Phenol-d6		1.569	1.521	1.617	1.565	1.699	1.578	4.0
Phenol		1.673	1.644	1.710	1.644	1.782	1.670	3.6
bis(2-Chloroethyl)ether		1.396	1.319	1.380	1.315	1.428	1.343	4.4
2-Chlorophenol		1.289	1.259	1.344	1.295	1.418	1.319	4.0
2-Methylphenol		1.078	1.042	1.133	1.108	1.207	1.102	5.0
2,2-oxybis(1-Chloropropane)		1.012	0.949	0.974	0.909	0.978	0.933	6.7
Acetophenone		0.515	0.506	0.517	0.476	0.519	0.500	4.0
3+4-Methylphenols		1.367	1.375	1.533	1.509	1.661	1.474	7.0
n-Nitroso-di-n-propylamine		0.944	0.947	1.072	1.001	1.096	0.983	7.7
Nitrobenzene-d5		0.359	0.362	0.392	0.377	0.414	0.385	5.4
Hexachloroethane	0.553	0.564	0.544	0.552	0.533	0.593	0.555	3.3
Nitrobenzene		0.333	0.337	0.359	0.339	0.370	0.350	4.1
Isophorone		0.647	0.624	0.685	0.659	0.733	0.664	5.3
2-Nitrophenol		0.116	0.124	0.146	0.155	0.178	0.151	15.7
2,4-Dimethylphenol		0.311	0.298	0.315	0.303	0.332	0.310	3.8
bis(2-Chloroethoxy)methane		0.426	0.413	0.447	0.427	0.470	0.434	4.4
2,4-Dichlorophenol		0.265	0.262	0.289	0.286	0.319	0.287	6.8
Naphthalene		1.111	1.041	1.056	0.977	1.061	1.034	4.8
4-Chloroaniline		0.438	0.423	0.454	0.433	0.477	0.441	4.4
Hexachlorobutadiene		0.188	0.184	0.189	0.182	0.202	0.190	3.7
Caprolactam		0.077	0.077	0.093	0.097	0.112	0.091	13.5
4-Chloro-3-methylphenol		0.293	0.276	0.313	0.313	0.347	0.306	7.2
2-Methylnaphthalene		0.625	0.592	0.643	0.615	0.679	0.624	4.8
Hexachlorocyclopentadiene		0.295	0.305	0.339	0.341	0.382	0.351	12.0
2,4,6-Trichlorophenol		0.346	0.347	0.379	0.375	0.414	0.380	6.9
2-Fluorobiphenyl		1.589	1.536	1.532	1.377	1.463	1.477	5.7
2,4,5-Trichlorophenol		0.371	0.382	0.424	0.414	0.457	0.417	7.5
1,1-Biphenyl		1.582	1.513	1.514	1.404	1.526	1.498	4.0
2-Chloronaphthalene		1.221	1.194	1.180	1.084	1.171	1.164	3.9
2-Nitroaniline		0.200	0.206	0.252	0.268	0.302	0.256	15.6
Dimethylphthalate		1.339	1.285	1.398	1.343	1.474	1.353	4.9
Acenaphthylene		1.863	1.834	1.940	1.819	1.978	1.883	3.4

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date(s): 06/05/2025 06/05/2025

Calibration Time(s): 09:20 13:56

LAB FILE ID: RRF2.5 = BM050194.D RRF005 = BM050195.D RRF010 = BM050196.D
RRF020 = BM050197.D RRF040 = BM050198.D RRF050 = BM050199.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.204	0.231	0.284	0.289	0.320	0.273	14.8
3-Nitroaniline		0.231	0.252	0.312	0.323	0.360	0.304	15.2
Acenaphthene		1.217	1.176	1.185	1.132	1.228	1.178	3.2
2,4-Dinitrophenol			0.093	0.131	0.152	0.179	0.146	20.7
4-Nitrophenol		0.199	0.216	0.265	0.274	0.307	0.259	14.9
Dibenzofuran		1.782	1.710	1.775	1.662	1.797	1.723	3.9
2,4-Dinitrotoluene		0.250	0.283	0.365	0.396	0.447	0.360	19.3
Diethylphthalate		1.314	1.272	1.416	1.346	1.490	1.342	6.4
4-Chlorophenyl-phenylether		0.675	0.656	0.667	0.611	0.660	0.638	5.8
Fluorene		1.413	1.358	1.394	1.267	1.348	1.320	6.4
4-Nitroaniline		0.213	0.236	0.291	0.308	0.342	0.285	16.0
4,6-Dinitro-2-methylphenol			0.075	0.101	0.111	0.128	0.109	17.7
n-Nitrosodiphenylamine		0.630	0.626	0.639	0.594	0.646	0.628	2.7
2,4,6-Tribromophenol		0.210	0.213	0.238	0.231	0.254	0.227	7.0
4-Bromophenyl-phenylether		0.207	0.204	0.215	0.204	0.228	0.213	4.1
Hexachlorobenzene		0.249	0.240	0.253	0.238	0.261	0.249	3.3
Atrazine		0.166	0.177	0.206	0.206	0.231	0.200	10.9
Pentachlorophenol		0.133	0.138	0.165	0.164	0.187	0.162	12.2
Phenanthrene		1.239	1.156	1.160	1.071	1.161	1.143	5.1
Anthracene		1.167	1.135	1.175	1.086	1.181	1.143	3.5
Carbazole		1.041	1.003	1.063	1.009	1.103	1.041	4.3
Di-n-butylphthalate		0.998	1.007	1.187	1.159	1.300	1.133	9.5
Fluoranthene		1.180	1.139	1.231	1.178	1.301	1.205	5.8
Pyrene		1.331	1.307	1.444	1.324	1.423	1.348	4.6
Terphenyl-d14		1.148	1.088	1.165	1.010	1.064	1.055	8.1
Butylbenzylphthalate		0.322	0.347	0.460	0.490	0.563	0.450	19.0
3,3-Dichlorobenzidine		0.265	0.301	0.379	0.415	0.476	0.386	20.0
Benzo(a)anthracene		1.271	1.231	1.298	1.218	1.338	1.266	3.5
Chrysene		1.235	1.184	1.225	1.151	1.256	1.204	3.3
Bis(2-ethylhexyl)phthalate		0.525	0.574	0.702	0.740	0.851	0.693	15.8
Di-n-octyl phthalate		0.641	0.729	0.936	1.114	1.359	1.028	26.1
Benzo(b)fluoranthene		1.104	1.082	1.205	1.170	1.269	1.163	5.5
Benzo(k)fluoranthene		1.141	1.149	1.222	1.167	1.295	1.187	4.7
Benzo(a)pyrene		0.994	1.007	1.111	1.081	1.197	1.093	6.7
Indeno(1,2,3-cd)pyrene		1.189	1.183	1.254	1.191	1.318	1.288	9.0

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date(s): 06/05/2025 06/05/2025

Calibration Time(s): 09:20 13:56

LAB FILE ID: RRF2.5 = BM050194.D RRF005 = BM050195.D RRF010 = BM050196.D
RRF020 = BM050197.D RRF040 = BM050198.D RRF050 = BM050199.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.954	0.966	1.021	0.972	1.075	1.045	8.8
Benzo(g,h,i)perylene		1.002	0.978	1.013	0.954	1.037	1.046	8.6
1,2,4,5-Tetrachlorobenzene		0.586	0.561	0.585	0.541	0.589	0.578	3.7
1,4-Dioxane		0.597	0.552	0.516	0.479	0.511	0.526	7.7
2,3,4,6-Tetrachlorophenol		0.338	0.330	0.370	0.365	0.401	0.361	6.6

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050194.D 5 =BM050195.D 10 =BM050196.D 20 =BM050197.D 40 =BM050198.D 50 =BM050199.D 60 =BM050200.D 80 =BM0502
01.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.597	0.552	0.516	0.479	0.511	0.536	0.488	0.526	7.69
3)		Pyridine		1.353	1.352	1.370	1.311	1.425	1.389	1.326	1.361	2.80
4)		n-Nitrosodimet...		0.283	0.265	0.279	0.272	0.297	0.293	0.282	0.281	3.95
5)	S	2-Fluorophenol		1.251	1.193	1.192	1.145	1.238	1.224	1.150	1.199	3.45
6)		Aniline		2.033	2.016	2.147	2.065	2.250	2.064	2.031	2.086	4.02
7)	S	Phenol-d6		1.569	1.521	1.617	1.565	1.699	1.560	1.516	1.578	4.00
8)		2-Chlorophenol		1.289	1.259	1.344	1.295	1.418	1.338	1.288	1.319	4.02
9)		Benzaldehyde		1.188	1.080	1.096	0.878	0.975	0.804		1.003	14.43
10)	C	Phenol		1.673	1.644	1.710	1.644	1.782	1.637	1.600	1.670	3.58
11)		bis(2-Chloroet...		1.396	1.319	1.380	1.315	1.428	1.295	1.269	1.343	4.36
12)		1,3-Dichlorobe...		1.516	1.462	1.491	1.412	1.545	1.485	1.409	1.474	3.46
13)	C	1,4-Dichlorobe...		1.619	1.544	1.564	1.450	1.591	1.525	1.444	1.534	4.34
14)		1,2-Dichlorobe...		1.503	1.456	1.492	1.402	1.540	1.450	1.392	1.462	3.68
15)		Benzyl Alcohol		1.072	1.045	1.152	1.141	1.267	1.102	1.101	1.126	6.43
16)		2,2'-oxybis(1-...		1.012	0.949	0.974	0.909	0.978	0.863	0.845	0.933	6.68
17)		2-Methylphenol		1.078	1.042	1.133	1.108	1.207	1.077	1.068	1.102	4.96
18)		Hexachloroethane		0.564	0.544	0.552	0.533	0.593	0.559	0.543	0.556	3.51
19)	P	n-Nitroso-di-n...	0.847	0.944	0.947	1.072	1.001	1.096	0.906	0.913	0.966	8.82
20)		3+4-Methylphenols		1.367	1.375	1.533	1.509	1.661	1.437	1.438	1.474	6.98
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.506	0.517	0.476	0.519	0.495	0.470	0.500	4.03
23)	S	Nitrobenzene-d5		0.359	0.362	0.392	0.377	0.414	0.406	0.382	0.385	5.42
24)		Nitrobenzene		0.333	0.337	0.359	0.339	0.370	0.363	0.347	0.350	4.10
25)		Isophorone		0.647	0.624	0.685	0.659	0.733	0.652	0.646	0.664	5.33
26)	C	2-Nitrophenol		0.116	0.124	0.146	0.155	0.178	0.169	0.169	0.151	15.65
27)		2,4-Dimethylph...		0.311	0.298	0.315	0.303	0.332	0.313	0.299	0.310	3.80
28)		bis(2-Chloroet...		0.426	0.413	0.447	0.427	0.470	0.432	0.420	0.434	4.42
29)	C	2,4-Dichloroph...		0.265	0.262	0.289	0.286	0.319	0.300	0.289	0.287	6.83
30)		1,2,4-Trichlor...		0.324	0.307	0.321	0.305	0.337	0.330	0.312	0.319	3.72
31)		Naphthalene		1.111	1.041	1.056	0.977	1.061	1.025	0.969	1.034	4.79
32)		Benzoic acid			0.127	0.176	0.204	0.233	0.211	0.219	0.195	19.69
33)		4-Chloroaniline		0.438	0.423	0.454	0.433	0.477	0.440	0.422	0.441	4.37
34)	C	Hexachlorobuta...		0.188	0.184	0.189	0.182	0.202	0.197	0.188	0.190	3.74
35)		Caprolactam		0.077	0.077	0.093	0.097	0.112	0.092	0.090	0.091	13.48
36)	C	4-Chloro-3-met...		0.293	0.276	0.313	0.313	0.347	0.302	0.299	0.306	7.19
37)		2-Methylnaphth...		0.625	0.592	0.643	0.615	0.679	0.619	0.594	0.624	4.78
38)		1-Methylnaphth...		0.676	0.637	0.689	0.649	0.714	0.648	0.622	0.662	4.86

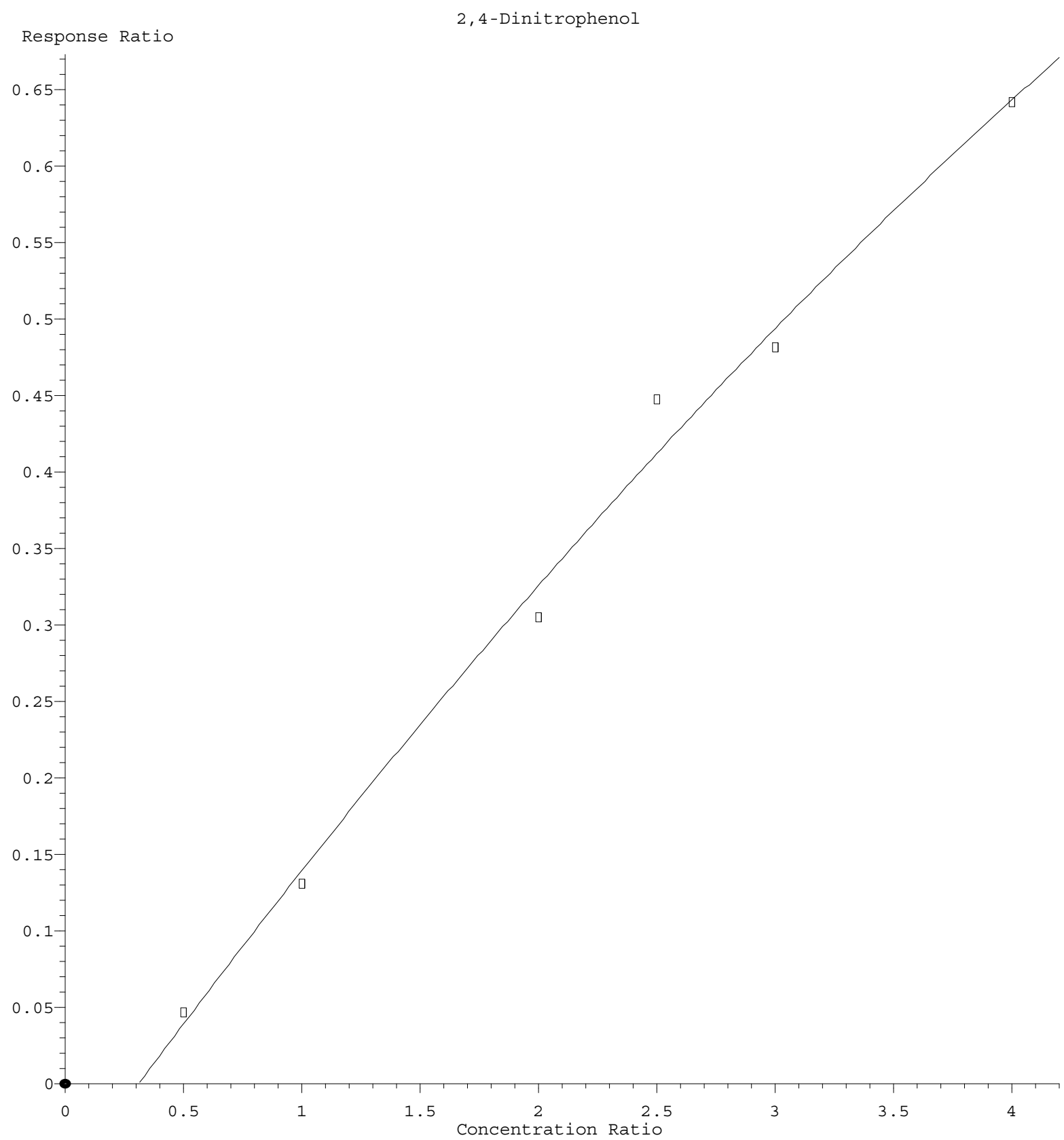
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.586	0.561	0.585	0.541	0.589	0.607	0.574	0.578	3.71
41)	P	Hexachlorocycl...	0.295	0.305	0.339	0.341	0.382	0.401	0.392	0.351	12.02
42)	S	2,4,6-Tribromo...	0.210	0.213	0.238	0.231	0.254	0.233	0.214	0.227	6.99
43)	C	2,4,6-Trichlor...	0.346	0.347	0.379	0.375	0.414	0.402	0.396	0.380	6.93
44)		2,4,5-Trichlor...	0.371	0.382	0.424	0.414	0.457	0.442	0.429	0.417	7.46
45)	S	2-Fluorobiphenyl	1.589	1.536	1.532	1.377	1.463	1.480	1.364	1.477	5.67
46)		1,1'-Biphenyl	1.582	1.513	1.514	1.404	1.526	1.508	1.437	1.498	3.96
47)		2-Chloronaphth...	1.221	1.194	1.180	1.084	1.171	1.177	1.123	1.164	3.94
48)		2-Nitroaniline	0.200	0.206	0.252	0.268	0.302	0.290	0.277	0.256	15.56
49)		Acenaphthylene	1.863	1.834	1.940	1.819	1.978	1.924	1.824	1.883	3.39
50)		Dimethylphthalate	1.339	1.285	1.398	1.343	1.474	1.344	1.284	1.353	4.92
51)		2,6-Dinitrotol...	0.204	0.231	0.284	0.289	0.320	0.297	0.284	0.273	14.82
52)	C	Acenaphthene	1.217	1.176	1.185	1.132	1.228	1.181	1.127	1.178	3.24
53)		3-Nitroaniline	0.231	0.252	0.312	0.323	0.360	0.336	0.314	0.304	15.16
54)	P	2,4-Dinitrophenol		0.093	0.131	0.152	0.179	0.160	0.160	0.146	20.67
55)		Dibenzofuran	1.782	1.710	1.775	1.662	1.797	1.719	1.617	1.723	3.87
56)	P	4-Nitrophenol	0.199	0.216	0.265	0.274	0.307	0.288	0.262	0.259	14.93
57)		2,4-Dinitrotol...	0.250	0.283	0.365	0.396	0.447	0.398	0.380	0.360	19.28
58)		Fluorene	1.413	1.358	1.394	1.267	1.348	1.289	1.169	1.320	6.40
59)		2,3,4,6-Tetrac...	0.338	0.330	0.370	0.365	0.401	0.371	0.350	0.361	6.60
60)		Diethylphthalate	1.314	1.272	1.416	1.346	1.490	1.317	1.238	1.342	6.43
61)		4-Chlorophenyl...	0.675	0.656	0.667	0.611	0.660	0.623	0.573	0.638	5.81
62)		4-Nitroaniline	0.213	0.236	0.291	0.308	0.342	0.319	0.285	0.285	16.00
63)		Azobenzene	1.342	1.330	1.415	1.313	1.443	1.316	1.230	1.341	5.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.101	0.111	0.128	0.120	0.121	0.109	17.72
66)	c	n-Nitrosodiphe...	0.630	0.626	0.639	0.594	0.646	0.639	0.625	0.628	2.73
67)		4-Bromophenyl-...	0.207	0.204	0.215	0.204	0.228	0.217	0.218	0.213	4.13
68)		Hexachlorobenzene	0.249	0.240	0.253	0.238	0.261	0.255	0.249	0.249	3.29
69)		Atrazine	0.166	0.177	0.206	0.206	0.231	0.212	0.204	0.200	10.86
70)	C	Pentachlorophenol	0.133	0.138	0.165	0.164	0.187	0.177	0.171	0.162	12.21
71)		Phenanthrene	1.239	1.156	1.160	1.071	1.161	1.144	1.068	1.143	5.14
72)		Anthracene	1.167	1.135	1.175	1.086	1.181	1.165	1.092	1.143	3.46
73)		Carbazole	1.041	1.003	1.063	1.009	1.103	1.085	0.985	1.041	4.30
74)		Di-n-butylphth...	0.998	1.007	1.187	1.159	1.300	1.187	1.093	1.133	9.53
75)	C	Fluoranthene	1.180	1.139	1.231	1.178	1.301	1.284	1.121	1.205	5.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.381	0.568	0.617	0.689	0.600	0.520	0.562	18.64
78)		Pyrene	1.331	1.307	1.444	1.324	1.423	1.274	1.334	1.348	4.61
79)	S	Terphenyl-d14	1.148	1.088	1.165	1.010	1.064	0.955	0.957	1.055	8.06
80)		Butylbenzylpht...	0.322	0.347	0.460	0.490	0.563	0.480	0.485	0.450	18.95
81)		Benzo(a)anthra...	1.271	1.231	1.298	1.218	1.338	1.280	1.225	1.266	3.47
82)		3,3'-Dichlorob...	0.265	0.301	0.379	0.415	0.476	0.450	0.416	0.386	19.97
83)		Chrysene	1.235	1.184	1.225	1.151	1.256	1.217	1.161	1.204	3.27
84)		Bis(2-ethylhex...	0.525	0.574	0.702	0.740	0.851	0.741	0.714	0.693	15.84
85)	c	Di-n-octyl pht...	0.641	0.729	0.936	1.114	1.359	1.245	1.169	1.028	26.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.189	1.183	1.254	1.191	1.318	1.472	1.407	1.288	8.99
88)		Benzo(b)fluora...	1.104	1.082	1.205	1.170	1.269	1.178	1.132	1.163	5.46
89)		Benzo(k)fluora...	1.141	1.149	1.222	1.167	1.295	1.190	1.144	1.187	4.71
90)	C	Benzo(a)pyrene	0.994	1.007	1.111	1.081	1.197	1.153	1.111	1.093	6.73
91)		Dibenzo(a,h)an...	0.954	0.966	1.021	0.972	1.075	1.188	1.141	1.045	8.83
92)		Benzo(g,h,i)pe...	1.002	0.978	1.013	0.954	1.037	1.194	1.146	1.046	8.57

(#) = Out of Range



R = -9.297e-003 A*A + 2.144e-001 A - 6.582e-002
Coef of Det (r^2) = 0.992237 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM060525.M
Calibration Table Last Updated: Thu Jun 05 16:20:25 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	244555	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	945759	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	534696	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	982061	20.000	ng	0.00
76) Chrysene-d12	21.386	240	992954	20.000	ng	0.00
86) Perylene-d12	24.374	264	1067519	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
18) Hexachloroethane	8.869	117	16914	2.490	ng	97

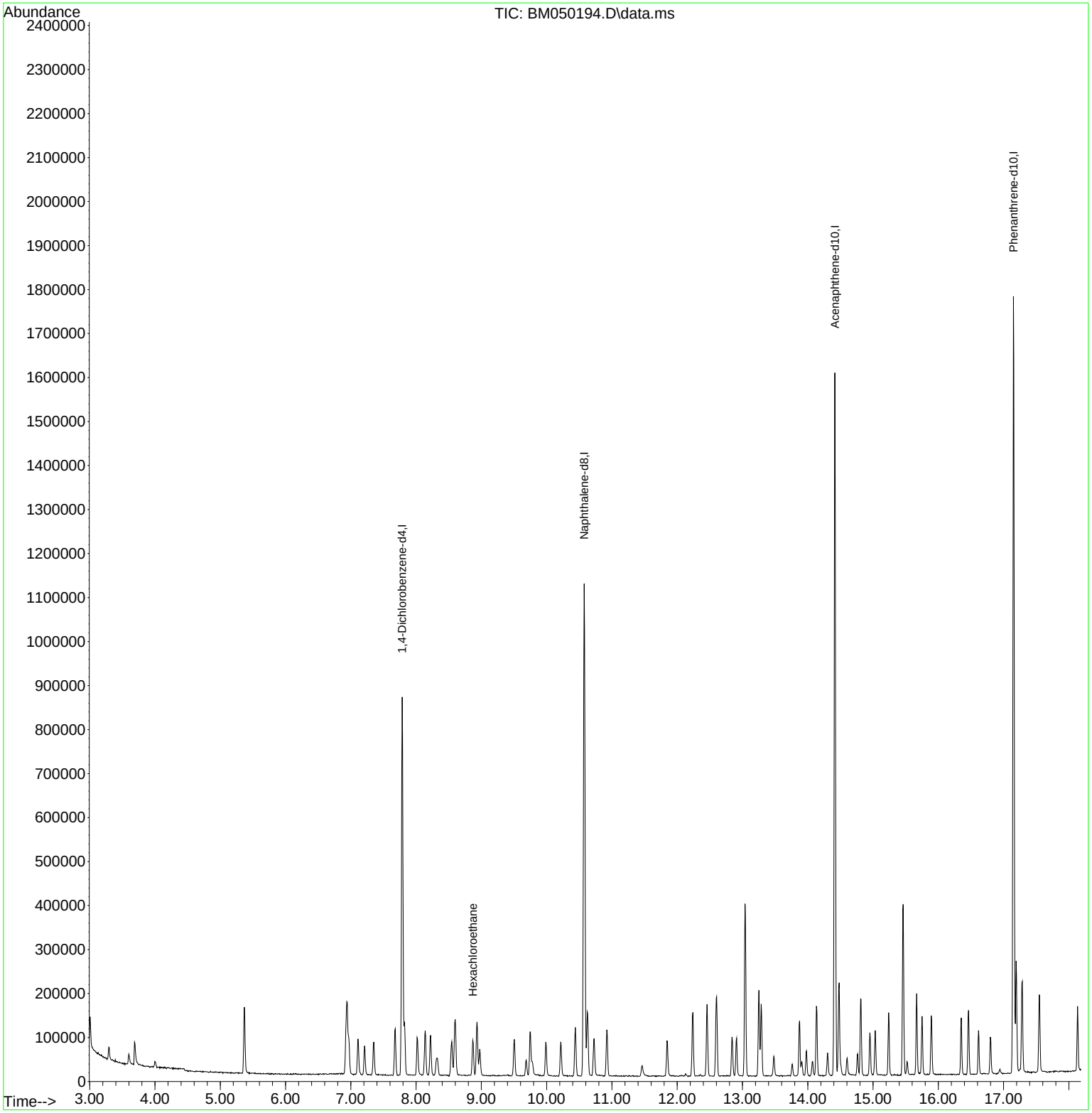
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

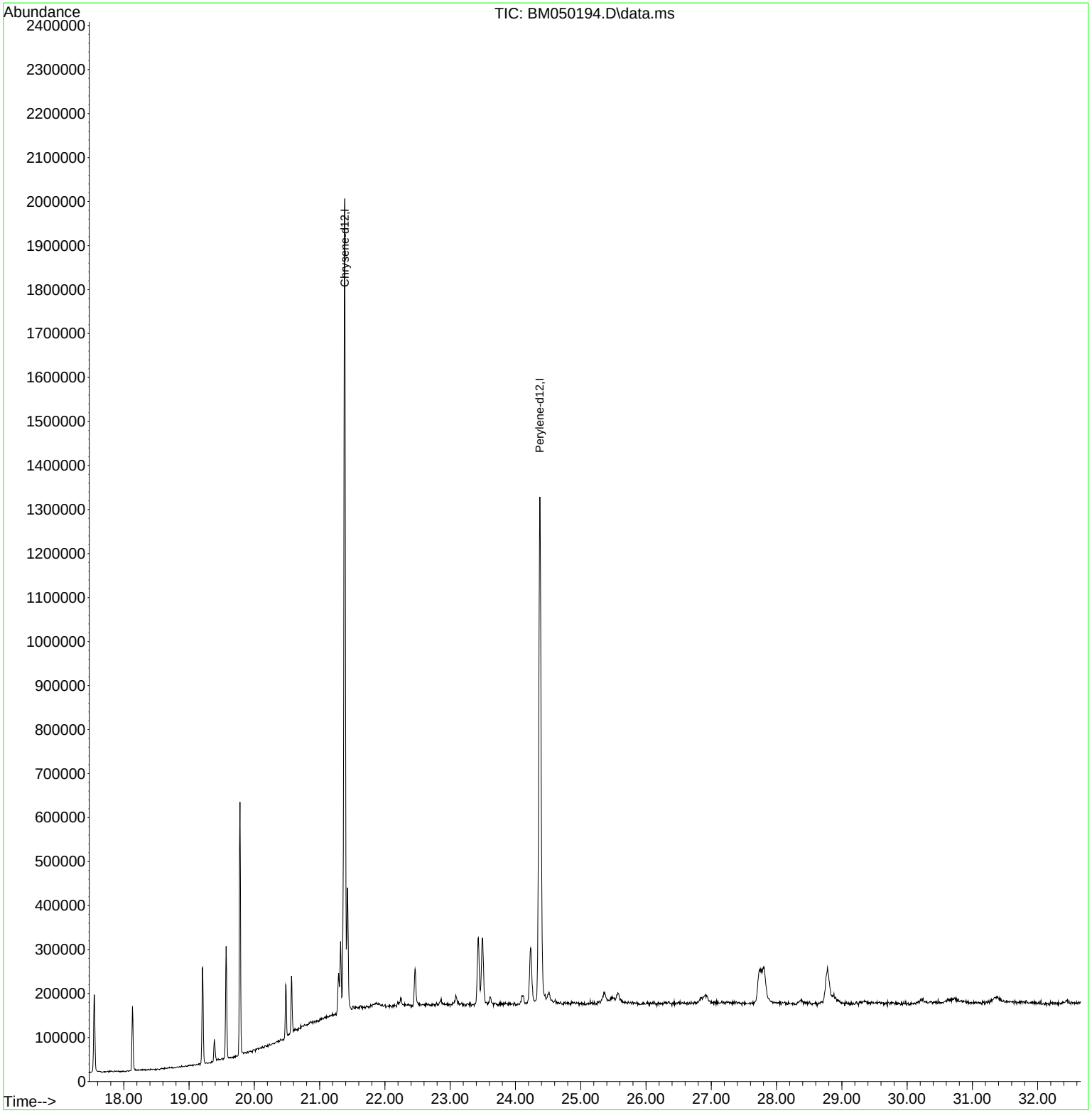
Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

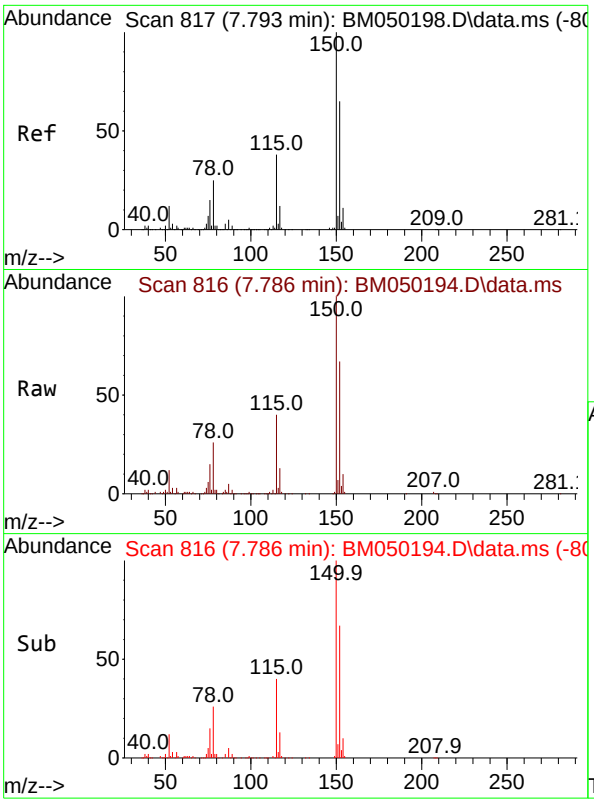


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



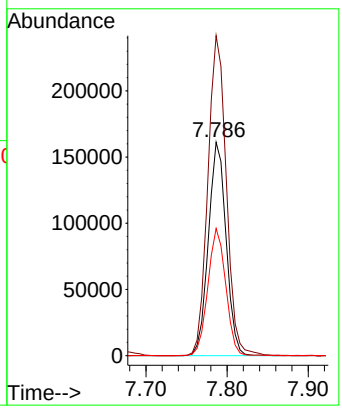


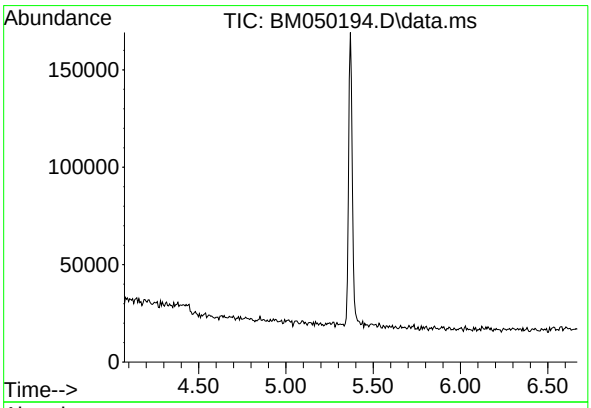
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 8
Delta R.T. -0.007 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 244555

Ion	Ratio	Lower	Upper
152	100		
150	150.0	122.2	183.4
115	59.6	46.3	69.5



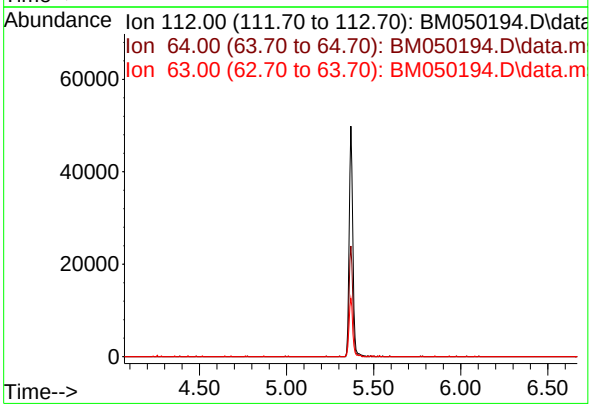


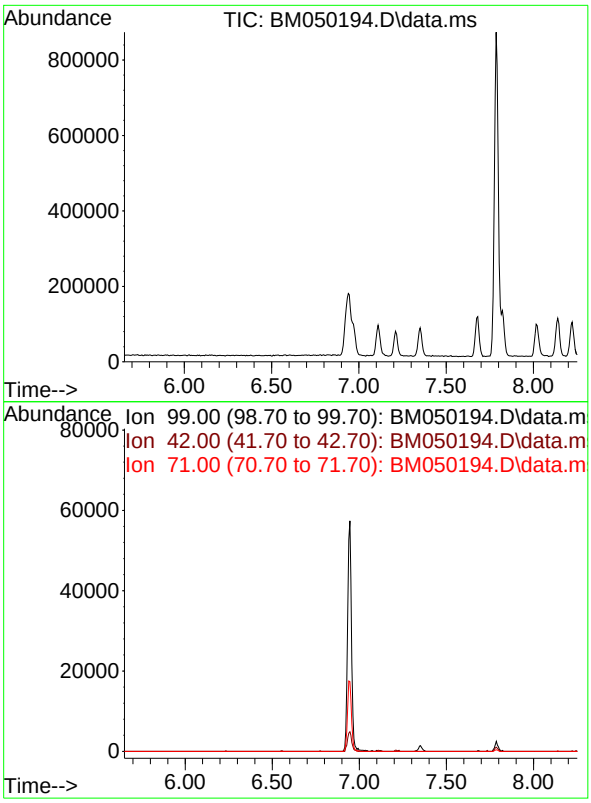
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.37 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	49.7
63	24.8





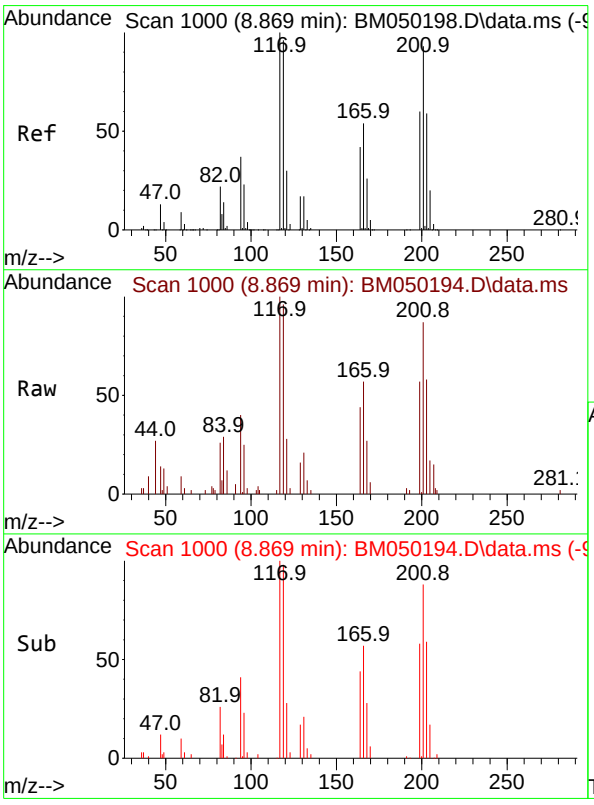
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

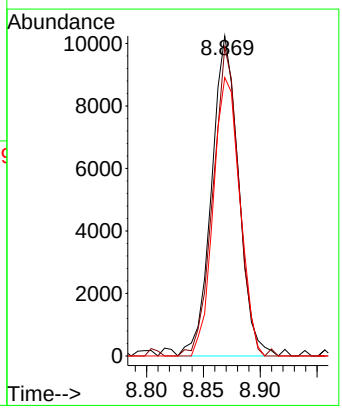
Sig	Exp Ratio
99	100
42	8.6
71	31.6

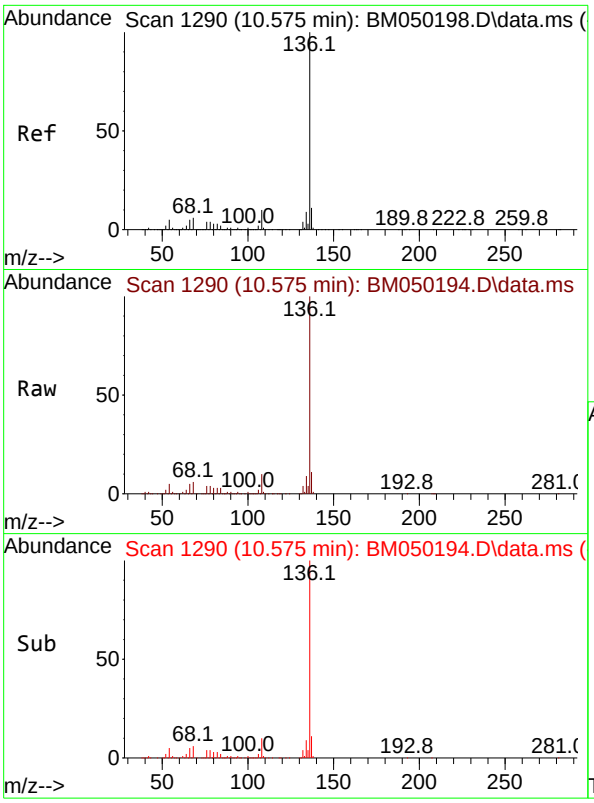


#18
Hexachloroethane
Concen: 2.490 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion:117 Resp: 16914

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.6
201	87.0	74.6	111.8



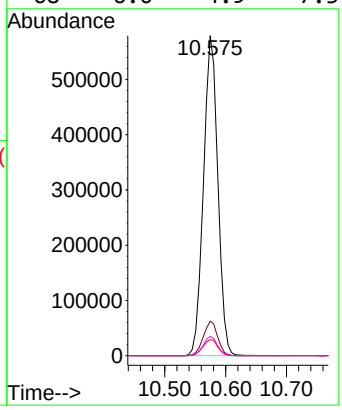


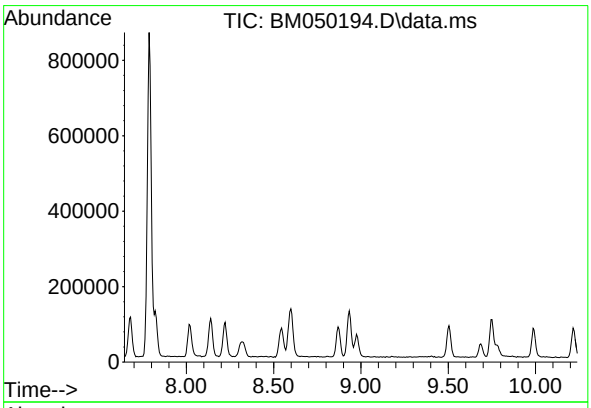
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 945759

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	5.0	3.8	5.8
68	6.0	4.9	7.3



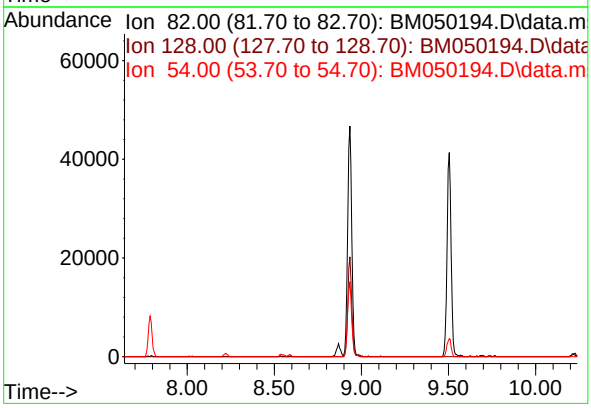


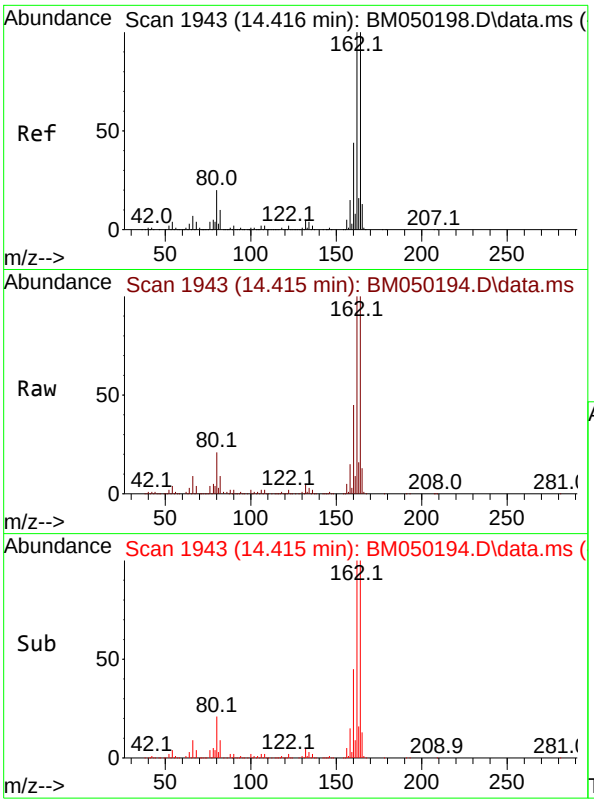
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.94 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.0
54	30.6



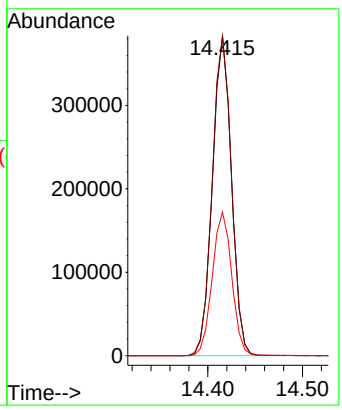


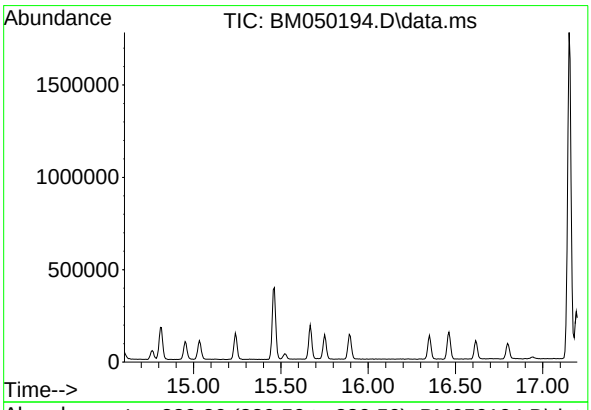
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 534696

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.2	120.4
160	45.0	35.7	53.5



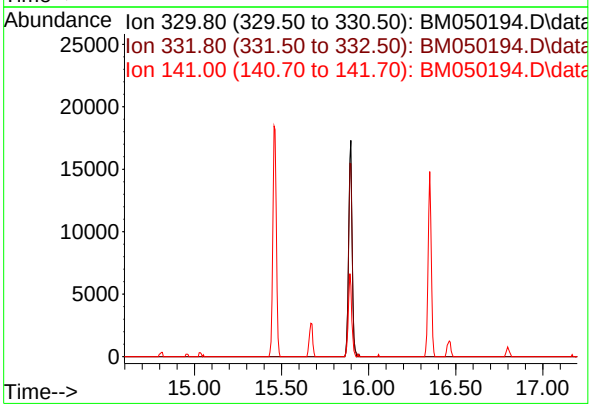


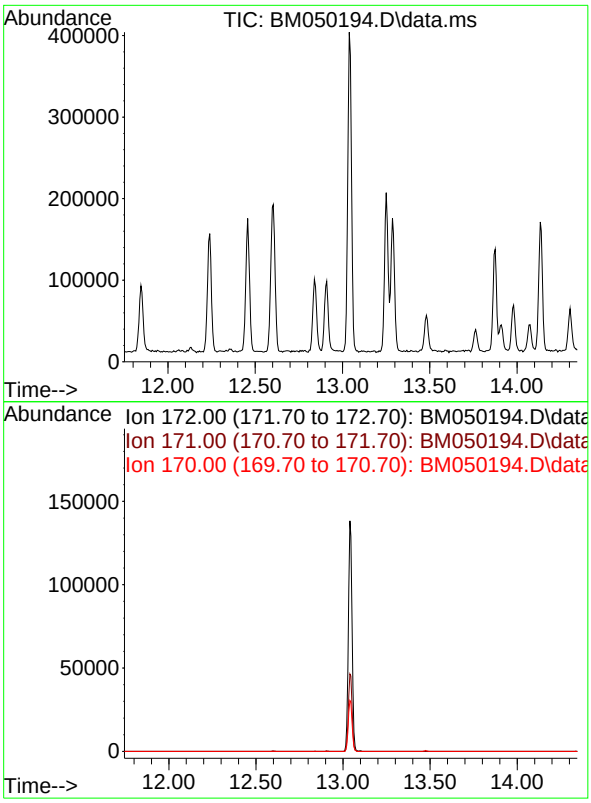
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.90 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.9
141	36.0





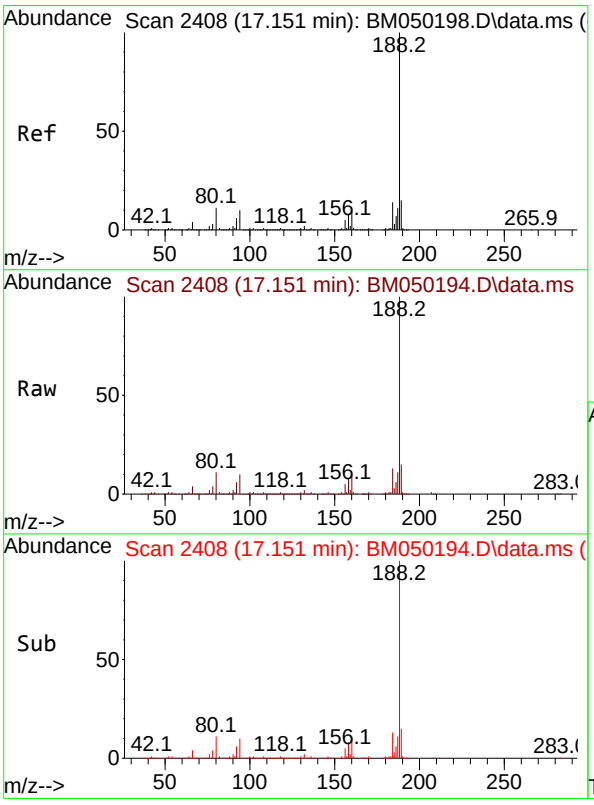
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.05 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

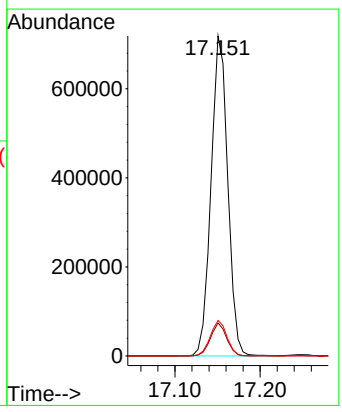
Sig	Exp Ratio
172	100
171	34.7
170	23.2

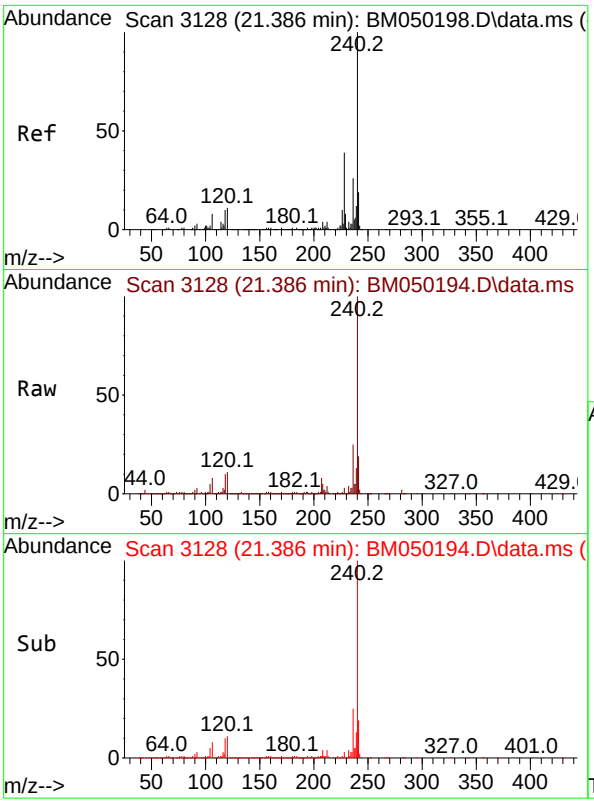


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion:188 Resp: 982061

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.1	8.6	13.0



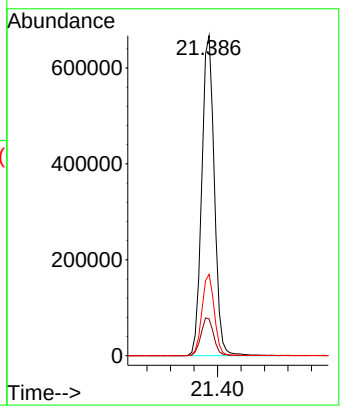


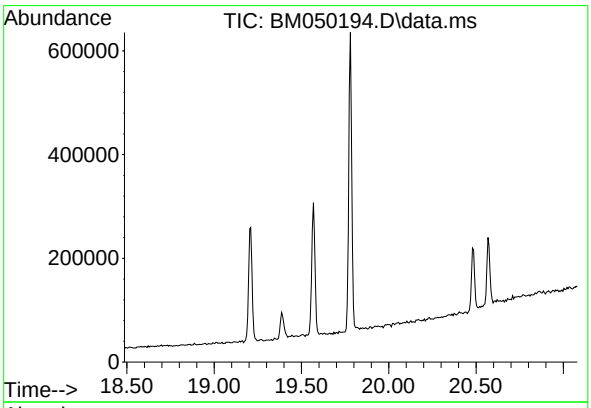
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 992954

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.0	13.4
236	25.4	20.7	31.1



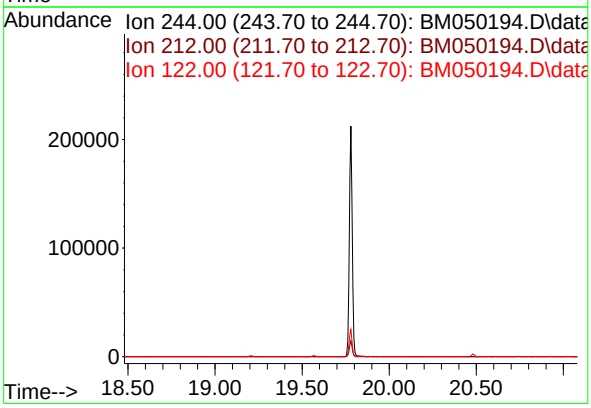


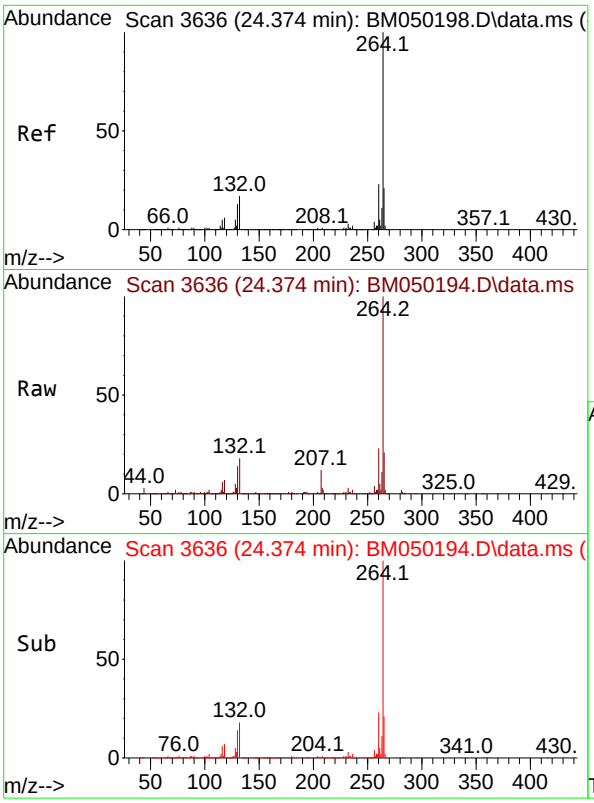
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.78 min

Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	10.7



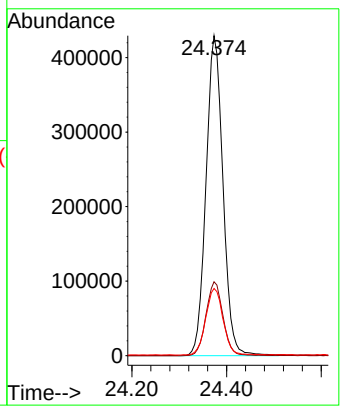


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3
Delta R.T. -0.001 min
Lab File: BM050194.D
Acq: 05 Jun 2025 09:20

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1067519

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.0	16.8	25.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	231885	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	935638	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	551980	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1022508	20.000	ng		0.00
76) Chrysene-d12	21.386	240	964608	20.000	ng		0.00
86) Perylene-d12	24.374	264	941239	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	145075	10.436	ng		0.00
7) Phenol-d6	6.946	99	181940	9.943	ng		0.00
23) Nitrobenzene-d5	8.934	82	167883	9.332	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	57984	9.236	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	438411	10.753	ng		0.00
79) Terphenyl-d14	19.780	244	553477	10.873	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	34616	5.681	ng		98
3) Pyridine	3.687	79	78460	4.972	ng		95
4) n-Nitrosodimethylamine	3.599	42	16377	5.019	ng	#	94
6) Aniline	7.110	93	117867	4.872	ng		99
8) 2-Chlorophenol	7.351	128	74751	4.889	ng		98
9) Benzaldehyde	6.922	77	67142m	5.771	ng		
10) Phenol	6.969	94	97004	5.010	ng		98
11) bis(2-Chloroethyl)ether	7.210	93	80951	5.198	ng		98
12) 1,3-Dichlorobenzene	7.681	146	87889	5.142	ng		98
13) 1,4-Dichlorobenzene	7.822	146	93841	5.276	ng		99
14) 1,2-Dichlorobenzene	8.140	146	87131	5.139	ng		99
15) Benzyl Alcohol	8.016	79	62171	4.764	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	58670	5.423	ng		97
17) 2-Methylphenol	8.222	107	62467	4.890	ng		99
18) Hexachloroethane	8.869	117	32689	5.075	ng		96
19) n-Nitroso-di-n-propyla...	8.587	70	54735	4.888	ng		98
20) 3+4-Methylphenols	8.545	107	79245	4.636	ng		98
22) Acetophenone	8.604	105	120380	5.150	ng	#	97
24) Nitrobenzene	8.975	77	77828	4.757	ng		98
25) Isophorone	9.504	82	151295	4.872	ng		99
26) 2-Nitrophenol	9.687	139	27114	3.839	ng		94
27) 2,4-Dimethylphenol	9.751	122	72768	5.010	ng		99
28) bis(2-Chloroethoxy)met...	9.992	93	99703	4.915	ng		100
29) 2,4-Dichlorophenol	10.216	162	61926	4.611	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	75854	5.076	ng		97
31) Naphthalene	10.628	128	259768	5.370	ng		99
33) 4-Chloroaniline	10.728	127	102387	4.964	ng		98
34) Hexachlorobutadiene	10.922	225	43914	4.940	ng		95
35) Caprolactam	11.463	113	17903	4.205	ng		87
36) 4-Chloro-3-methylphenol	11.845	107	68614	4.788	ng		94
37) 2-Methylnaphthalene	12.239	142	146149	5.008	ng		98
38) 1-Methylnaphthalene	12.457	142	158007	5.101	ng		97
40) 1,2,4,5-Tetrachloroben...	12.604	216	80884	5.075	ng		99
41) Hexachlorocyclopentadiene	12.598	237	40674	4.202	ng		97
43) 2,4,6-Trichlorophenol	12.839	196	47806	4.561	ng		100
44) 2,4,5-Trichlorophenol	12.910	196	51196	4.449	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.251	154	218302	5.282	ng		99
47) 2-Chloronaphthalene	13.286	162	168466	5.243	ng		96
48) 2-Nitroaniline	13.480	65	27545	3.895	ng		83
49) Acenaphthylene	14.133	152	257055	4.946	ng		99
50) Dimethylphthalate	13.875	163	184777	4.950	ng		99
51) 2,6-Dinitrotoluene	13.980	165	28146	3.739	ng		88
52) Acenaphthene	14.480	154	167876	5.164	ng		97
53) 3-Nitroaniline	14.304	138	31831	3.794	ng	#	88
55) Dibenzofuran	14.810	168	245911	5.171	ng		99
56) 4-Nitrophenol	14.604	139	27420	3.840	ng		97
57) 2,4-Dinitrotoluene	14.763	165	34457	3.470	ng		87
58) Fluorene	15.463	166	195018	5.354	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.033	232	46644m	4.685	ng		
60) Diethylphthalate	15.239	149	181363	4.897	ng		98
61) 4-Chlorophenyl-phenyle...	15.463	204	93141	5.291	ng		98
62) 4-Nitroaniline	15.463	138	29436	3.743	ng		99
63) Azobenzene	15.751	77	185154	5.001	ng		96
66) n-Nitrosodiphenylamine	15.669	169	161093	5.014	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	52965	4.857	ng		99
68) Hexachlorobenzene	16.463	284	63698	5.000	ng		98
69) Atrazine	16.616	200	42483	4.150	ng		96
70) Pentachlorophenol	16.798	266	33971	4.101	ng		95
71) Phenanthrene	17.192	178	316683	5.421	ng		99
72) Anthracene	17.286	178	298346	5.106	ng		99
73) Carbazole	17.545	167	266214	5.001	ng		99
74) Di-n-butylphthalate	18.133	149	255200	4.406	ng		99
75) Fluoranthene	19.209	202	301599	4.896	ng		99
78) Pyrene	19.568	202	320928	4.936	ng		99
80) Butylbenzylphthalate	20.480	149	77663	3.581	ng		92
81) Benzo(a)anthracene	21.368	228	306613	5.022	ng		98
82) 3,3'-Dichlorobenzidine	21.286	252	64021	3.438	ng		94
83) Chrysene	21.427	228	297925	5.130	ng		99
84) Bis(2-ethylhexyl)phtha...	21.321	149	126652	3.791	ng	#	97
85) Di-n-octyl phthalate	22.462	149	154664	3.120	ng	#	97
87) Indeno(1,2,3-cd)pyrene	27.732	276	279736	4.616	ng	#	90
88) Benzo(b)fluoranthene	23.433	252	259803	4.748	ng		99
89) Benzo(k)fluoranthene	23.492	252	268597	4.808	ng		99
90) Benzo(a)pyrene	24.233	252	233858	4.545	ng		99
91) Dibenzo(a,h)anthracene	27.809	278	224374	4.561	ng		98
92) Benzo(g,h,i)perylene	28.779	276	235785	4.789	ng		99

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

ICAL Form

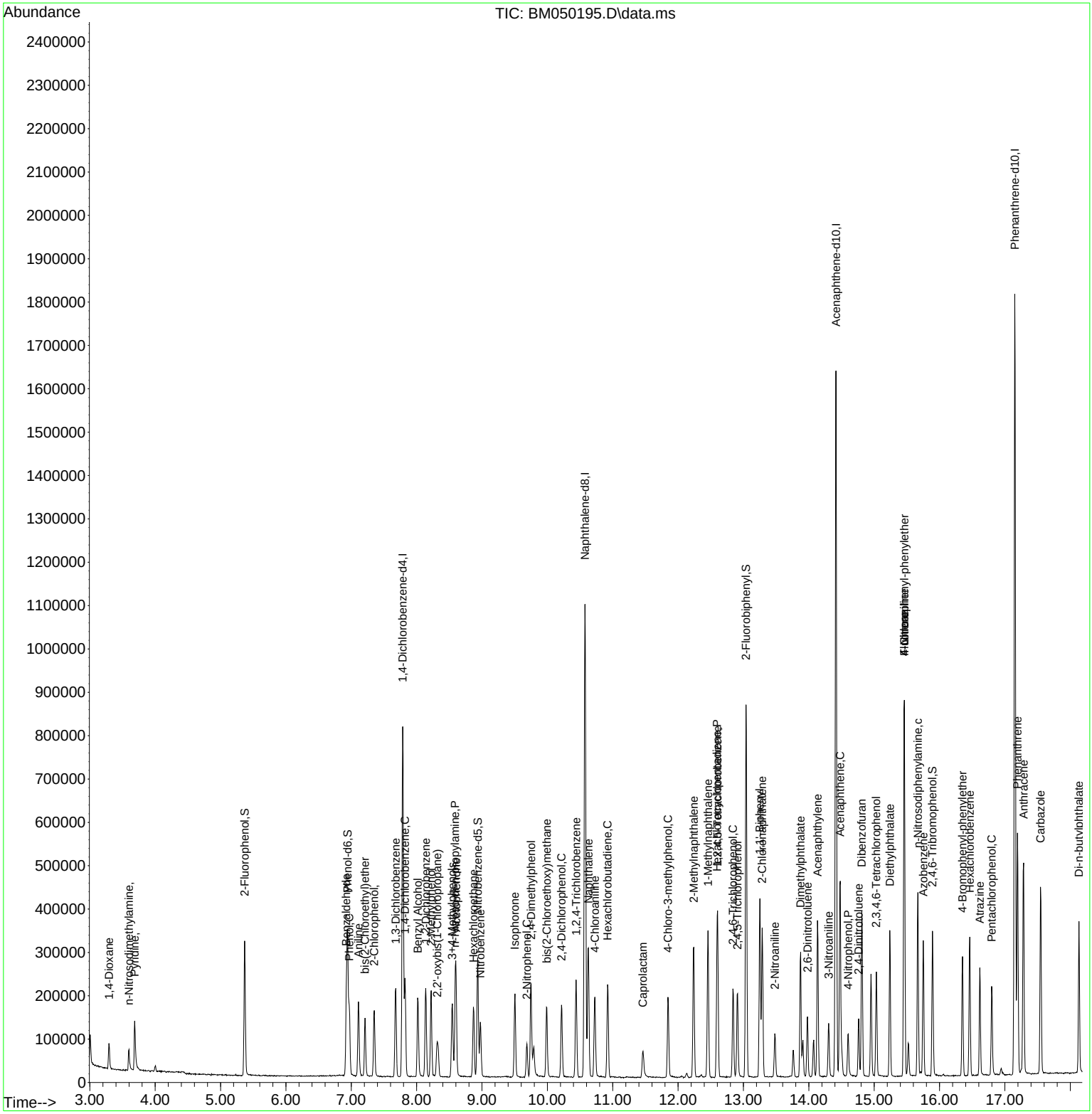
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



ICAL Form

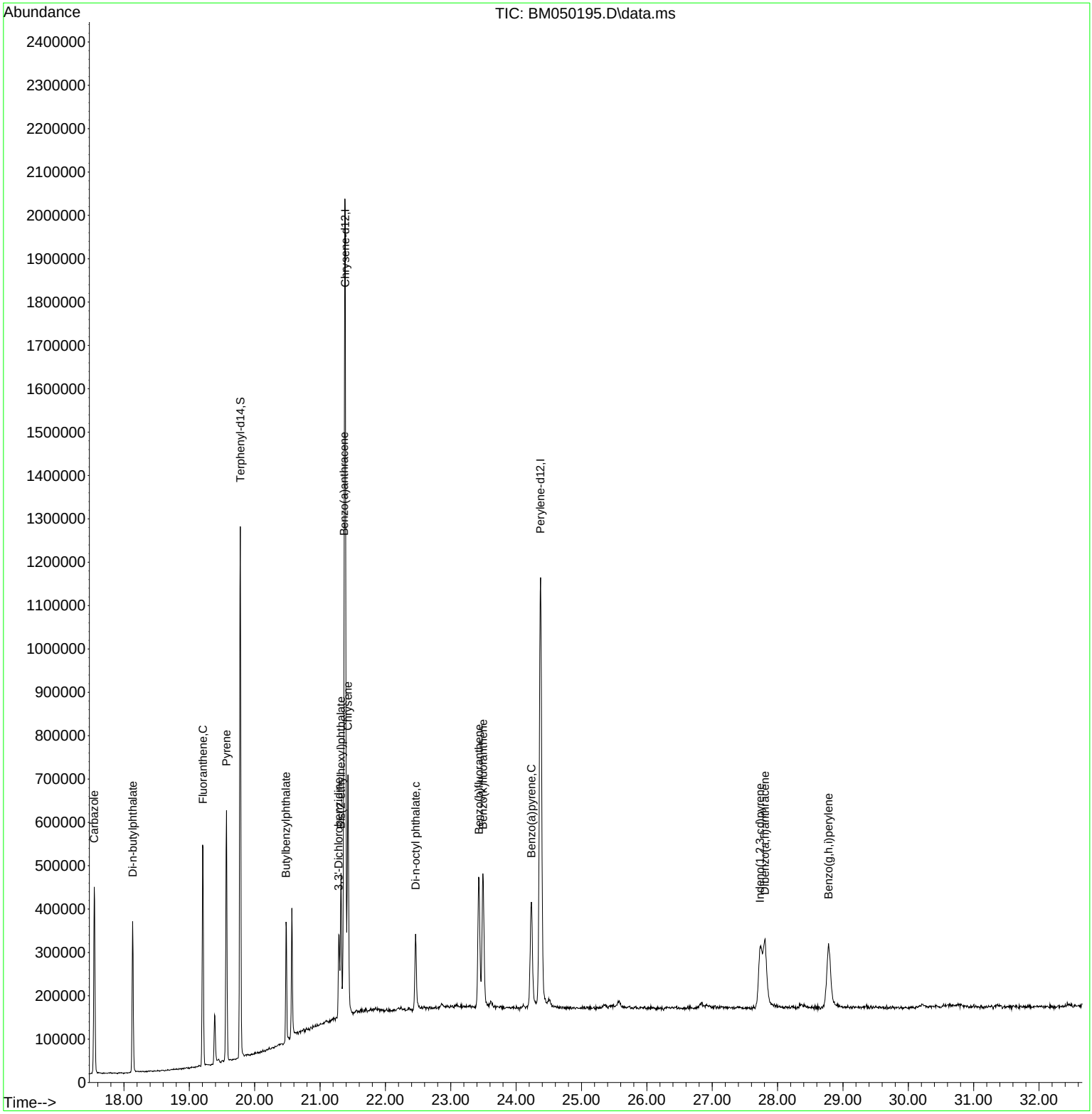
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

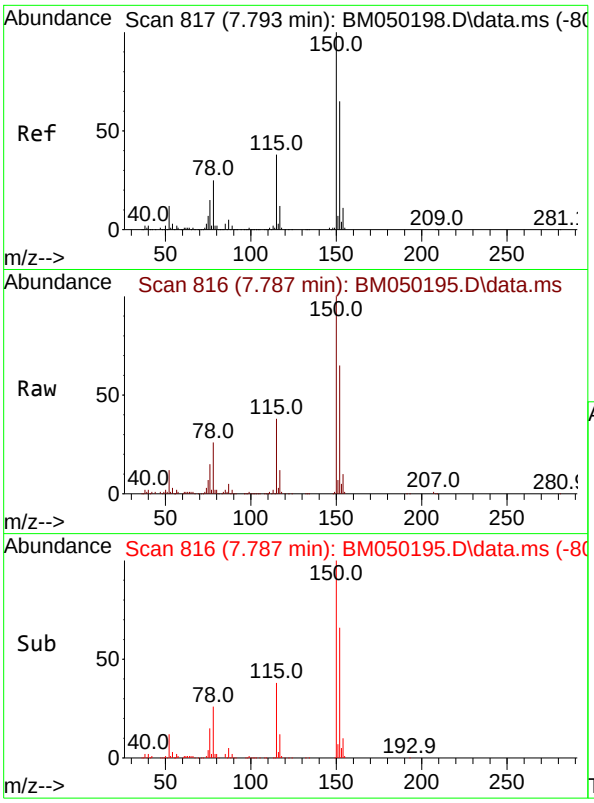
Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

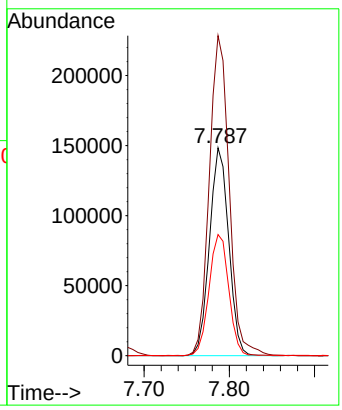




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:152 Resp: 23188

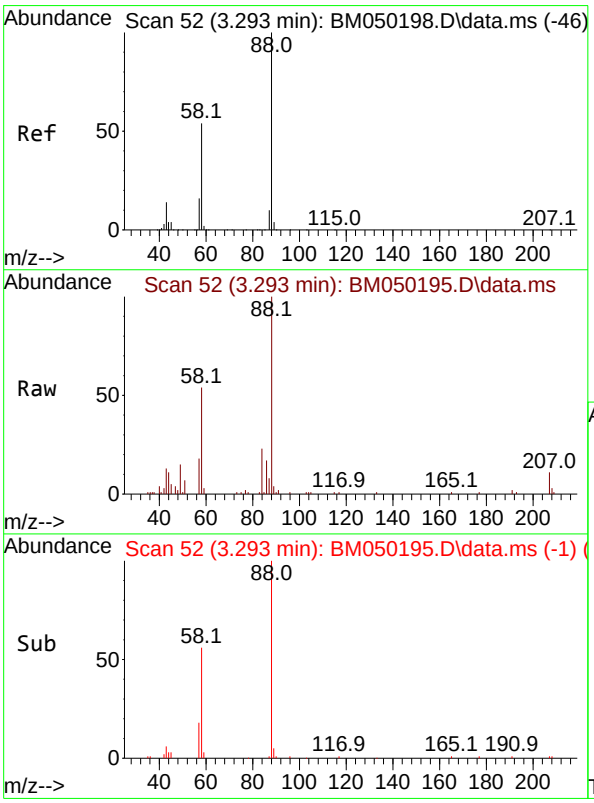
Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.2	183.4
115	58.3	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

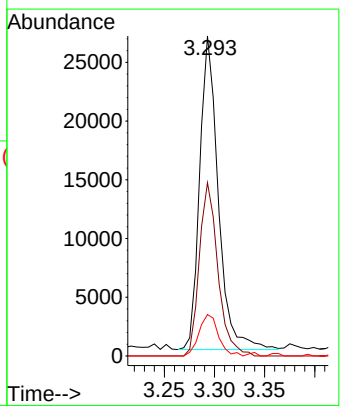
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

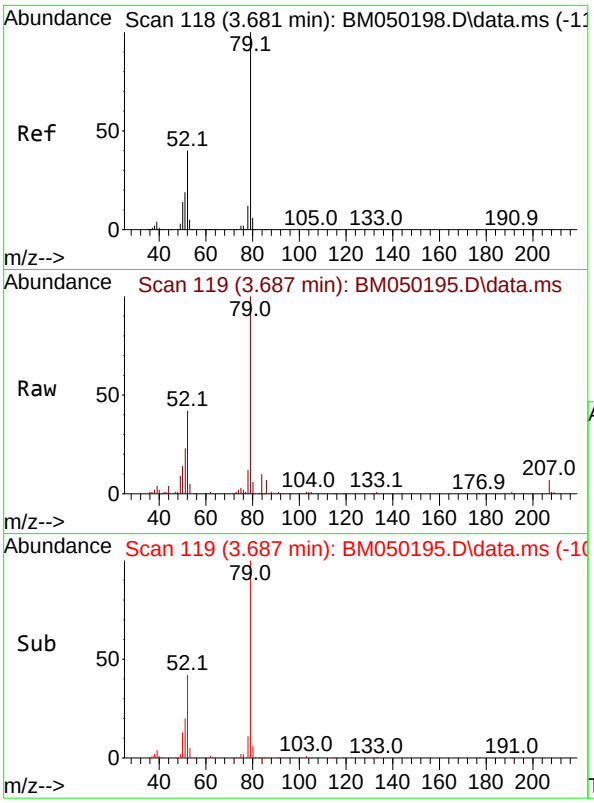


#2
1,4-Dioxane
Concen: 5.681 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 88 Resp: 34616

Ion	Ratio	Lower	Upper
88	100		
58	55.0	42.9	64.3
43	13.7	11.0	16.6

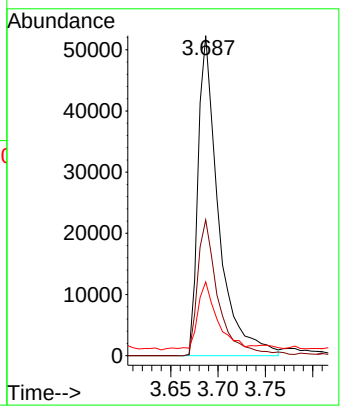




#3
Pyridine
Concen: 4.972 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 79 Resp: 7846

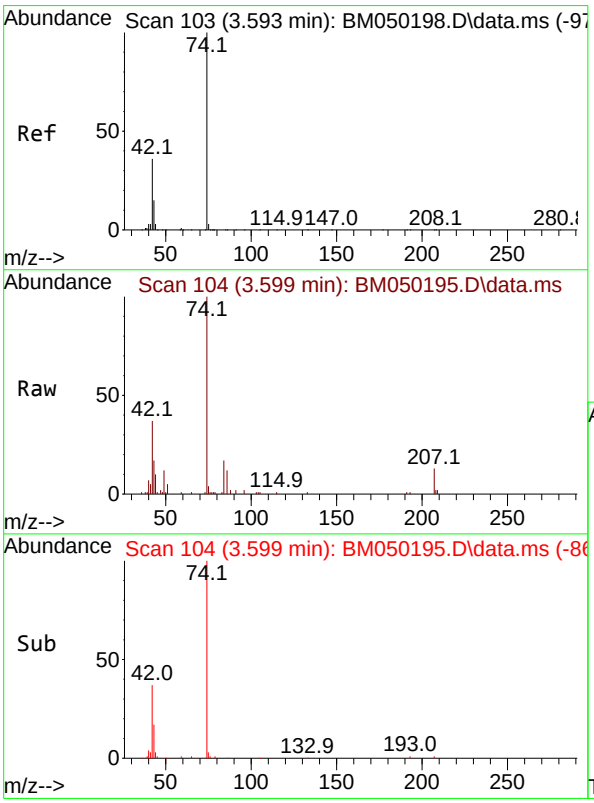
Ion	Ratio	Lower	Upper
79	100		
52	42.5	32.1	48.1
51	23.0	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

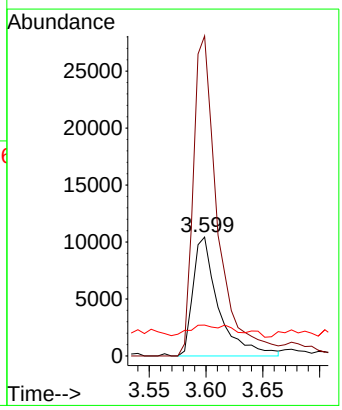
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

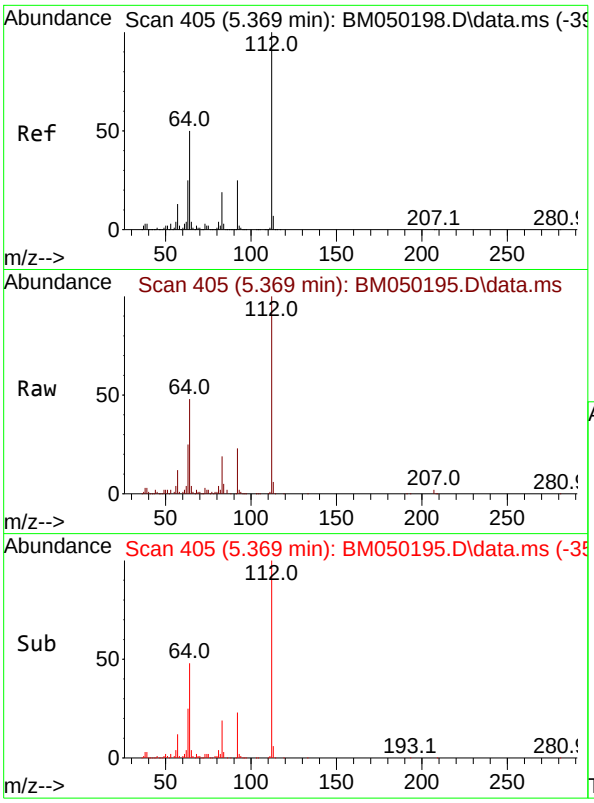


#4
n-Nitrosodimethylamine
Concen: 5.019 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 42 Resp: 16377

Ion	Ratio	Lower	Upper
42	100		
74	269.3	222.0	333.0
44	25.9	7.0	10.6#

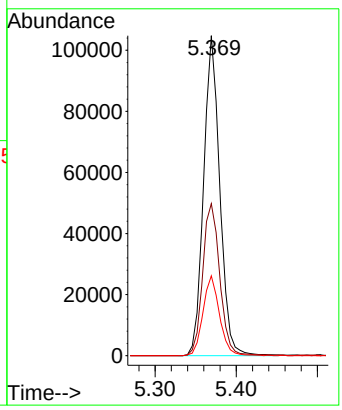




#5
2-Fluorophenol
Concen: 10.436 ng
RT: 5.369 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:112 Resp: 14507

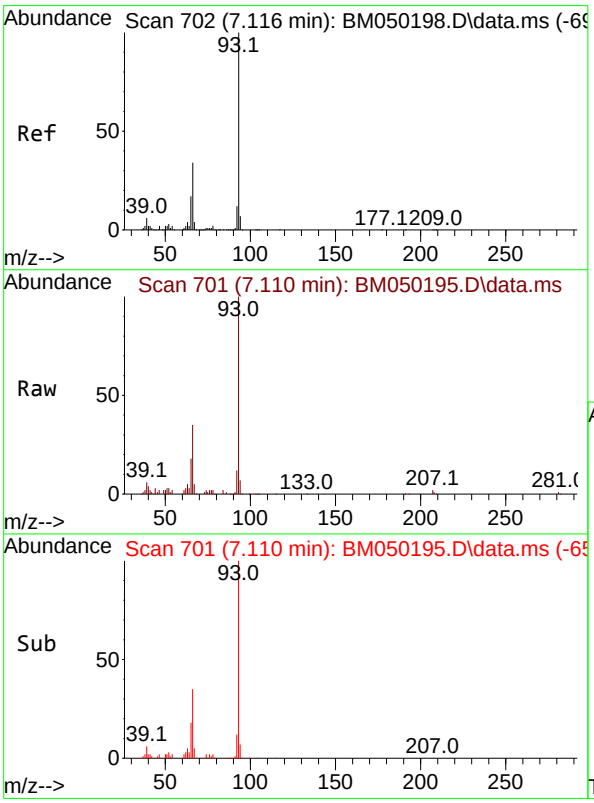
Ion	Ratio	Lower	Upper
112	100		
64	47.5	39.8	59.6
63	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

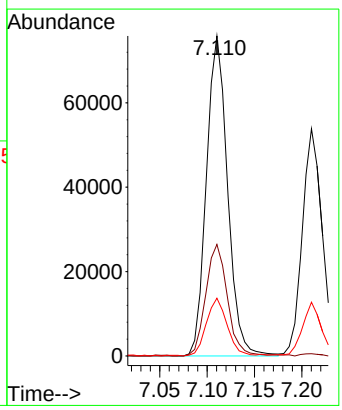
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

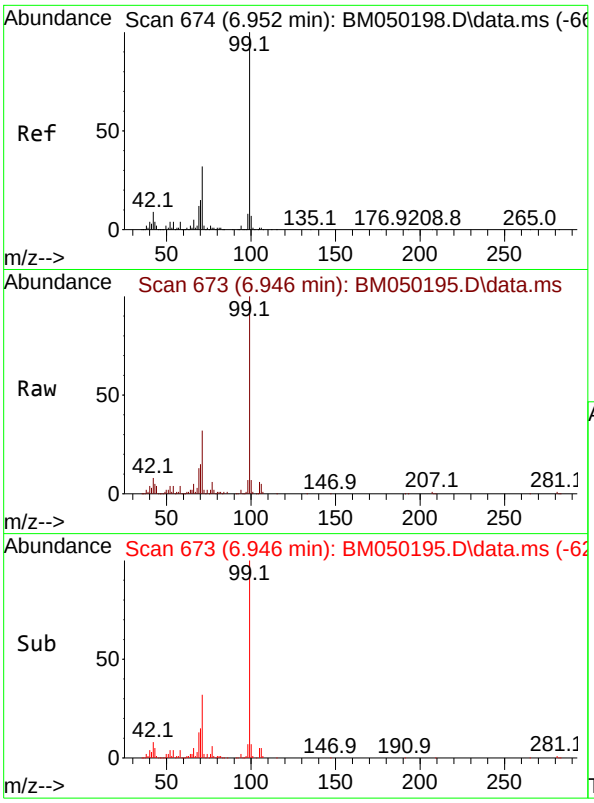


#6
Aniline
Concen: 4.872 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 93 Resp: 117867

Ion	Ratio	Lower	Upper
93	100		
66	34.8	27.4	41.2
65	18.1	13.6	20.4

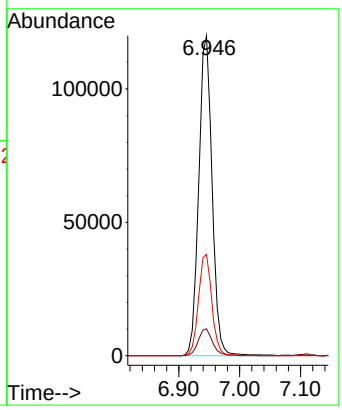




#7
Phenol-d6
Concen: 9.943 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 99 Resp: 18194

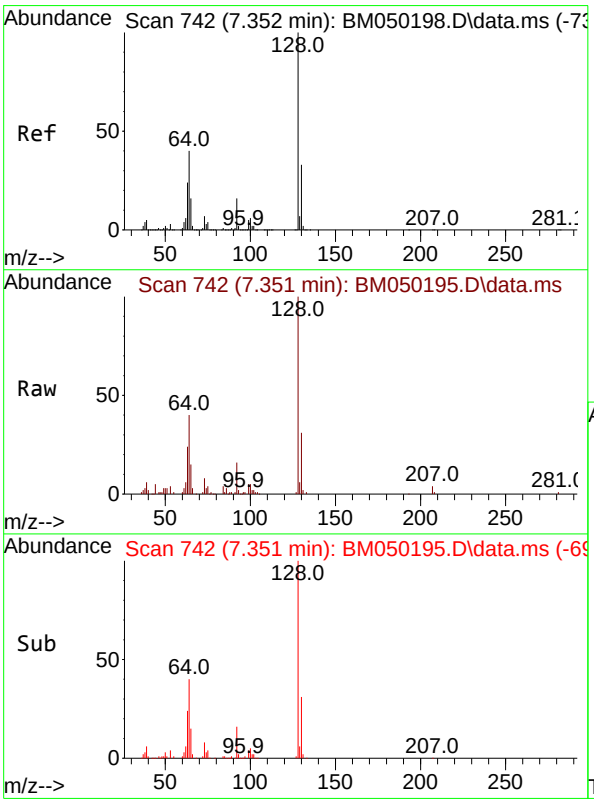
Ion	Ratio	Lower	Upper
99	100		
42	8.4	6.9	10.3
71	31.7	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

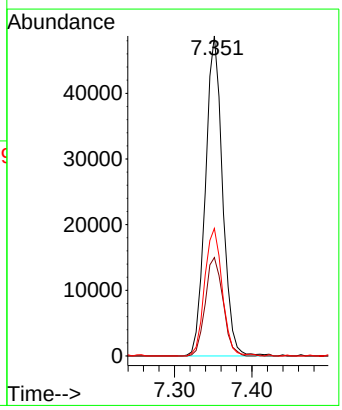
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

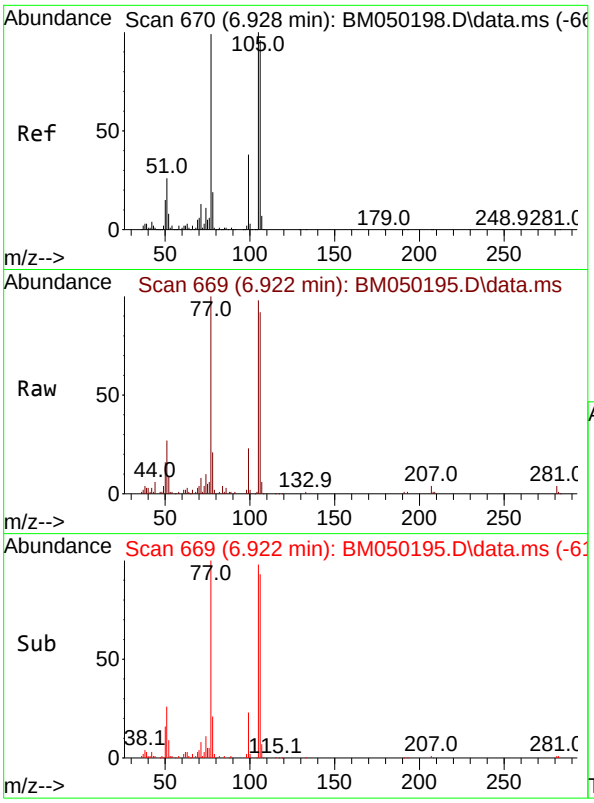


#8
2-Chlorophenol
Concen: 4.889 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:128 Resp: 74751

Ion	Ratio	Lower	Upper
128	100		
130	30.7	12.6	52.6
64	39.9	19.8	59.8

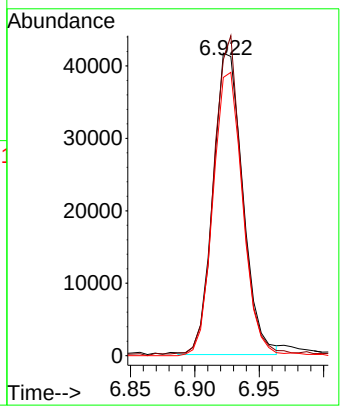




#9
Benzaldehyde
Concen: 5.771 ng m
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 77 Resp: 6714

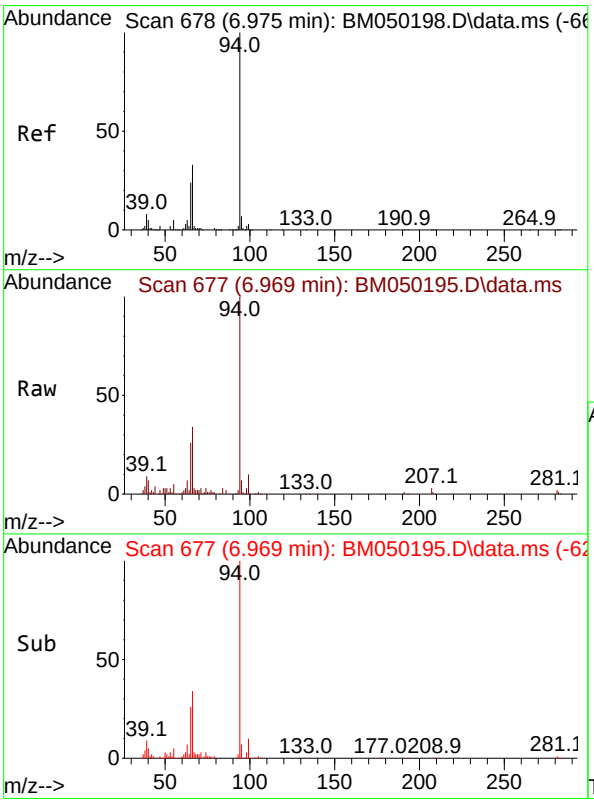
Ion	Ratio	Lower	Upper
77	100		
105	97.9	80.9	120.9
106	92.0	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

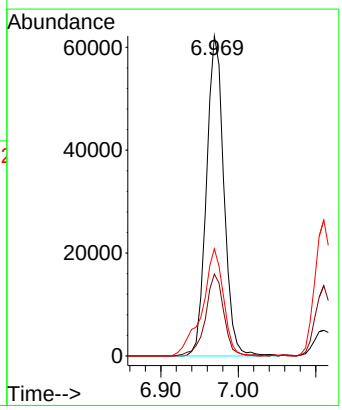
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

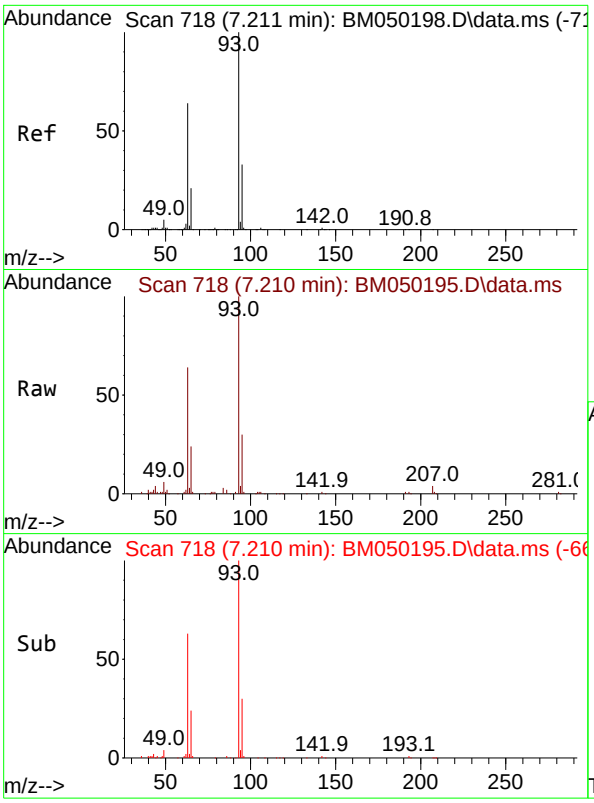


#10
Phenol
Concen: 5.010 ng
RT: 6.969 min Scan# 677
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 94 Resp: 97004

Ion	Ratio	Lower	Upper
94	100		
65	25.6	4.3	44.3
66	33.5	12.9	52.9

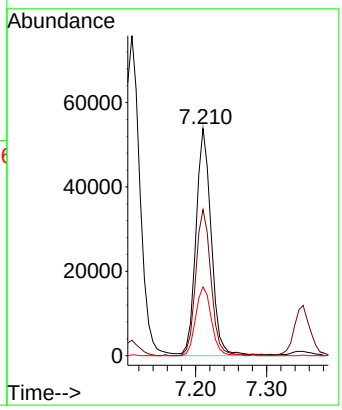




#11
bis(2-Chloroethyl)ether
Concen: 5.198 ng
RT: 7.210 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 93 Resp: 8095

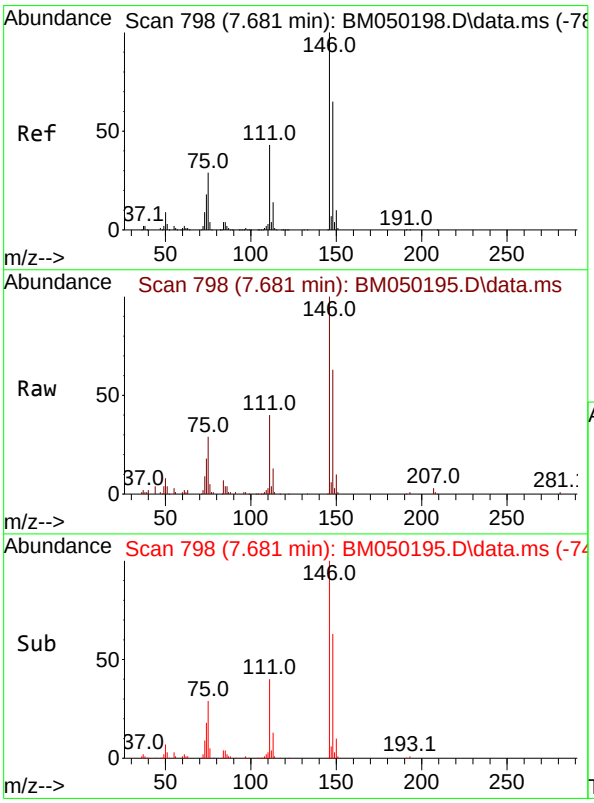
Ion	Ratio	Lower	Upper
93	100		
63	64.3	43.9	83.9
95	30.3	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

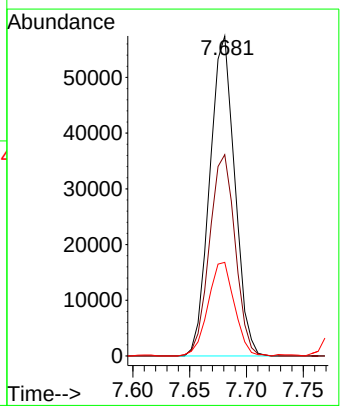
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

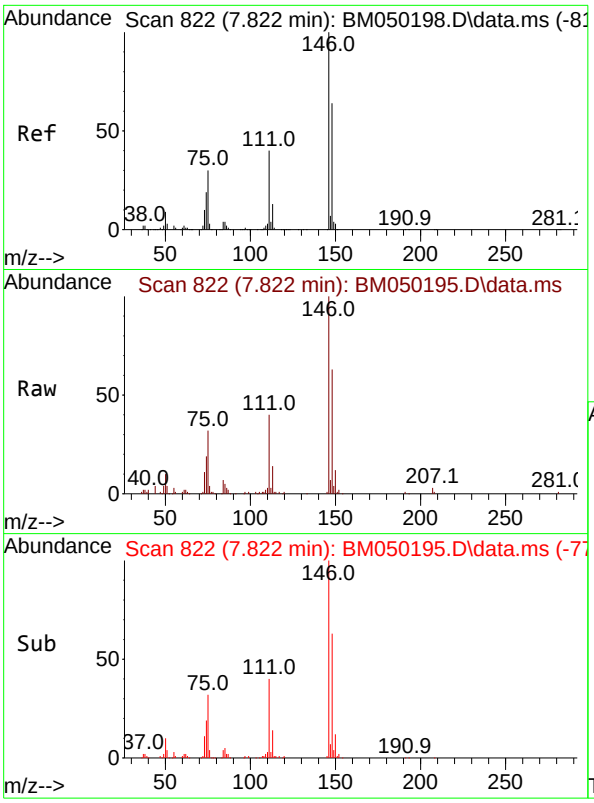


#12
1,3-Dichlorobenzene
Concen: 5.142 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:146 Resp: 87889

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
75	29.3	23.4	35.0

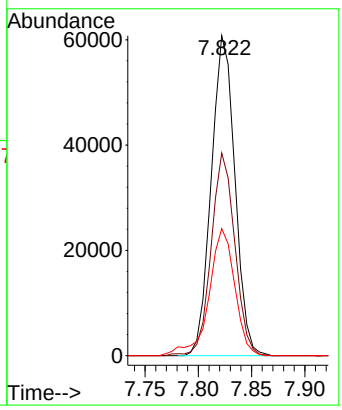




#13
1,4-Dichlorobenzene
Concen: 5.276 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:146 Resp: 9384

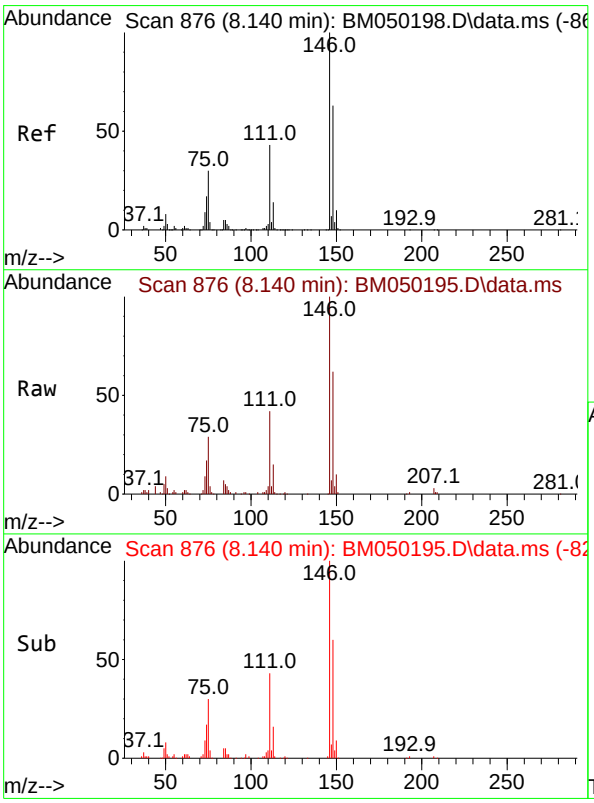
Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.0
111	39.7	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

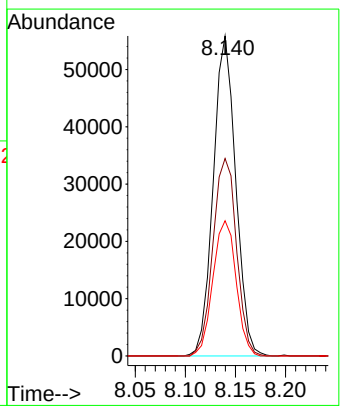
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

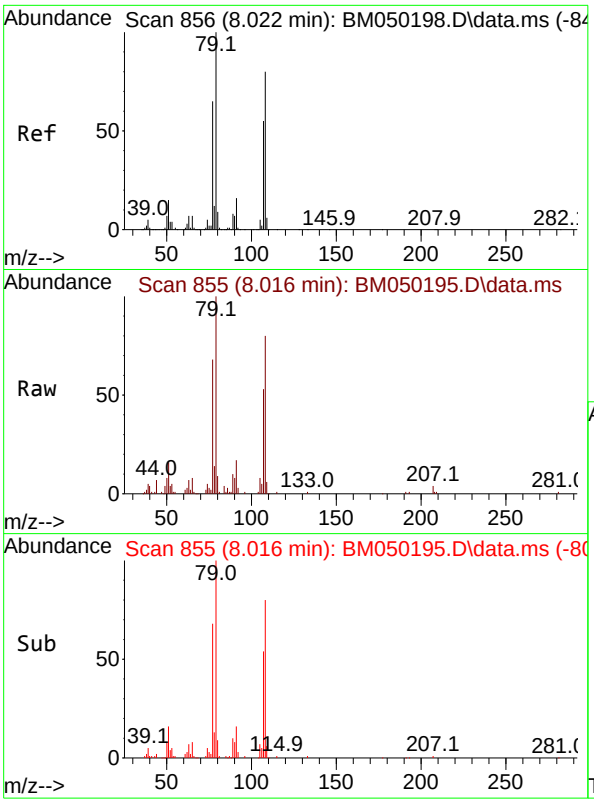


#14
1,2-Dichlorobenzene
Concen: 5.139 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:146 Resp: 87131

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.4	75.6
111	42.2	34.3	51.5

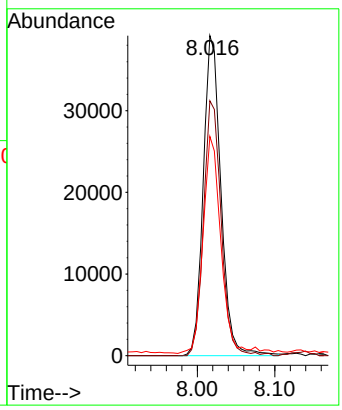




#15
Benzyl Alcohol
Concen: 4.764 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 79 Resp: 6217

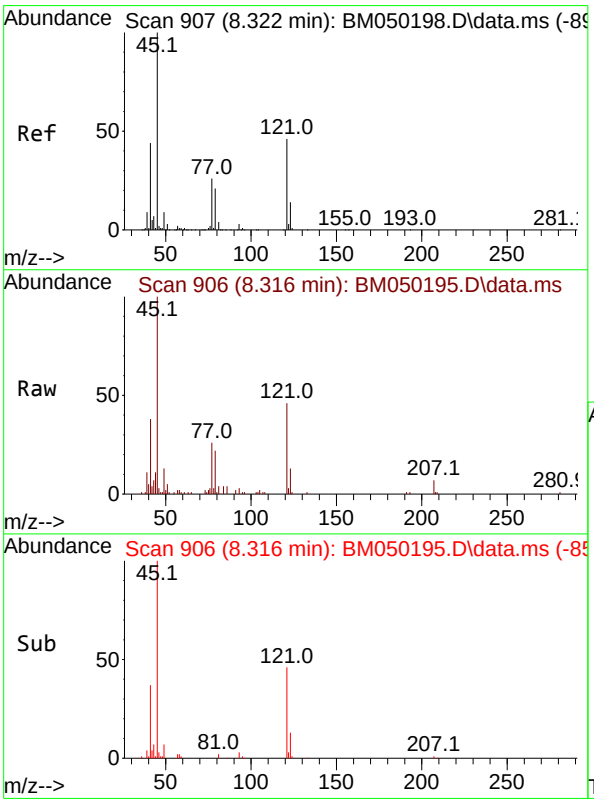
Ion	Ratio	Lower	Upper
79	100		
108	79.7	64.0	96.0
77	68.5	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

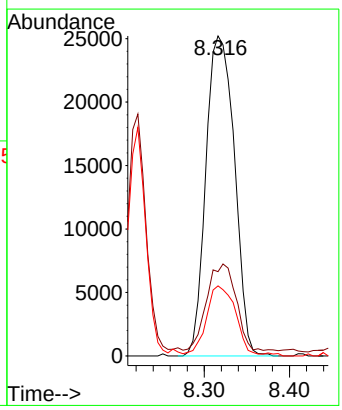
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

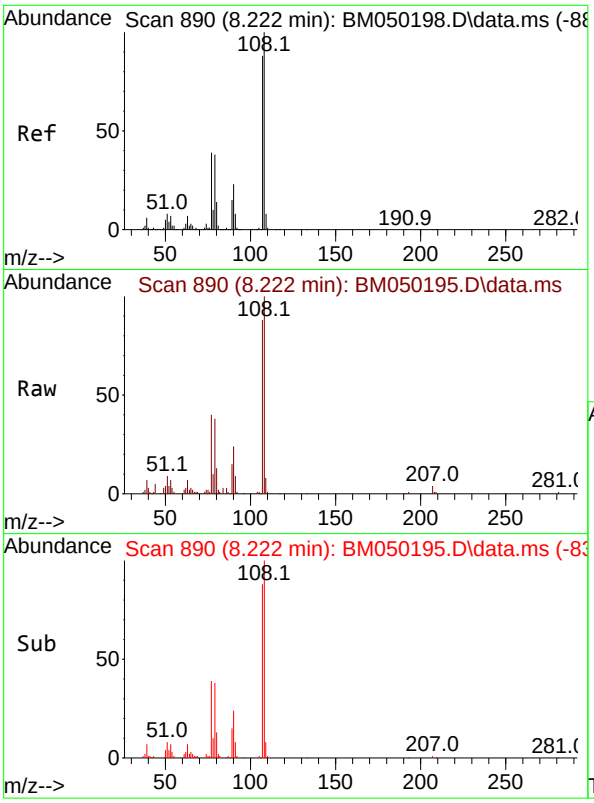


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 45 Resp: 58670

Ion	Ratio	Lower	Upper
45	100		
77	26.4	8.7	48.7
79	21.9	2.7	42.7

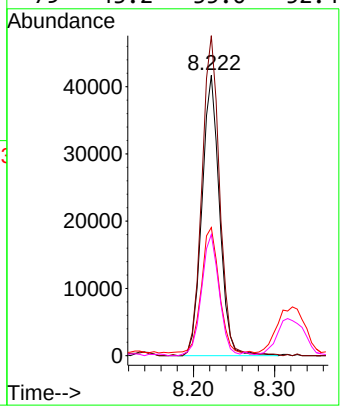




#17
2-Methylphenol
Concen: 4.890 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:107 Resp: 6246

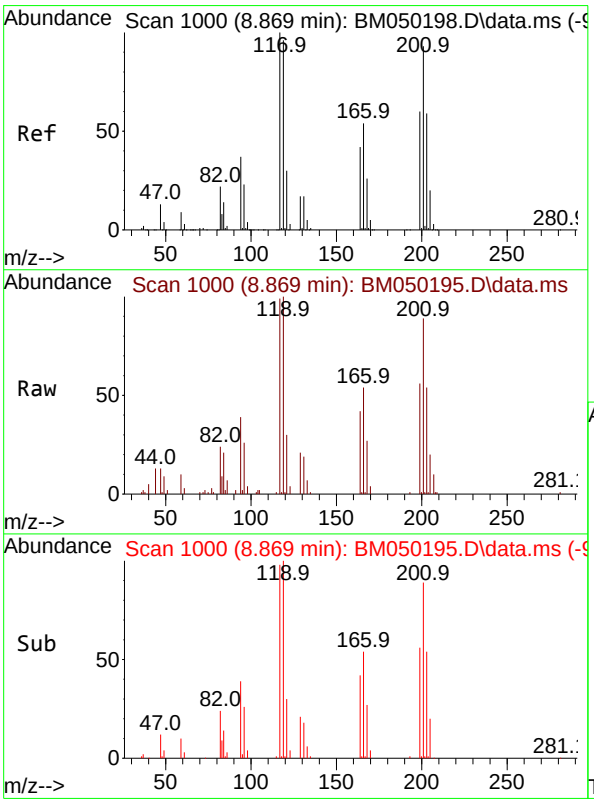
Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.8	136.2
77	45.7	35.7	53.5
79	43.2	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

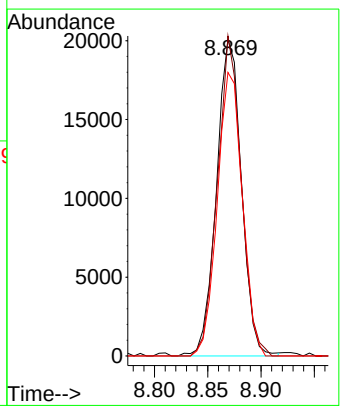
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

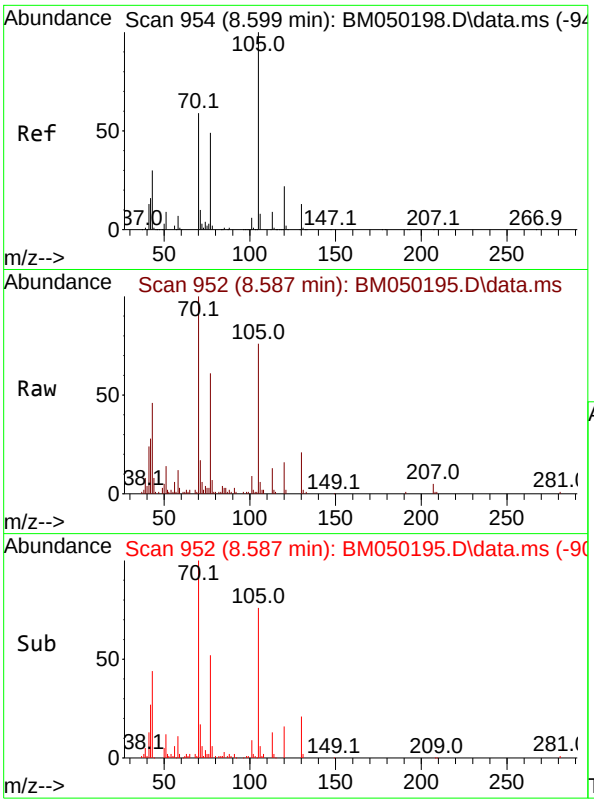


#18
Hexachloroethane
Concen: 5.075 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:117 Resp: 32689

Ion	Ratio	Lower	Upper
117	100		
119	101.1	77.0	115.6
201	89.6	74.6	111.8

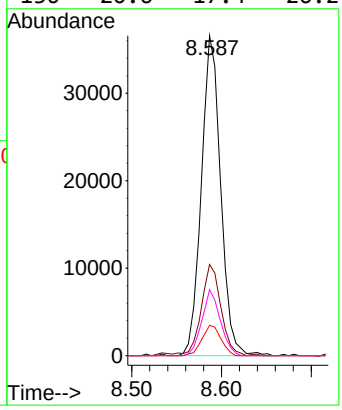




#19
n-Nitroso-di-n-propylamine
Concen: 4.888 ng
RT: 8.587 min Scan# 9
Delta R.T. -0.012 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 70 Resp: 5473

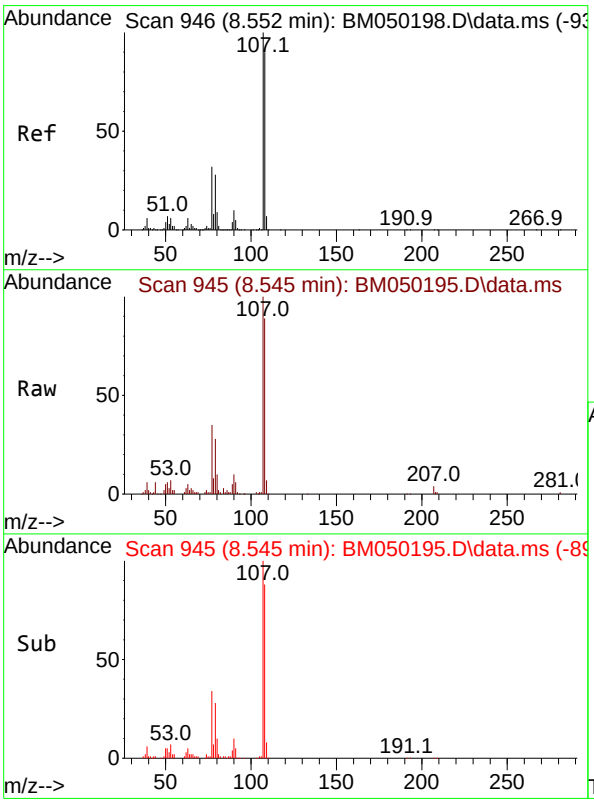
Ion	Ratio	Lower	Upper
70	100		
42	28.5	22.6	33.8
101	9.5	8.3	12.5
130	20.6	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

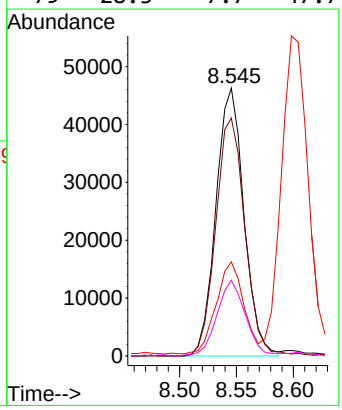
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

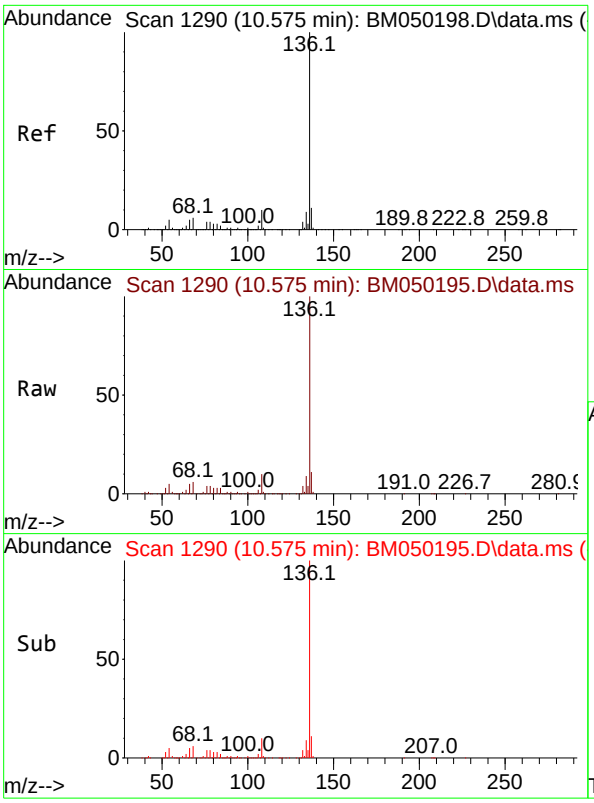


#20
3+4-Methylphenols
Concen: 4.636 ng
RT: 8.545 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:107 Resp: 79245

Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.4	110.4
77	35.1	12.2	52.2
79	28.3	7.7	47.7

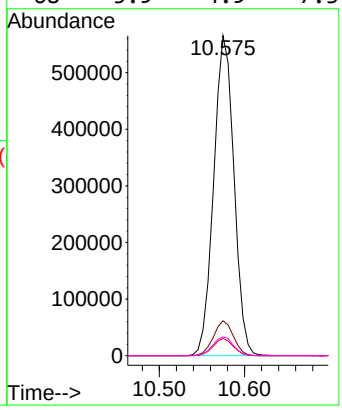




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:136 Resp: 93563

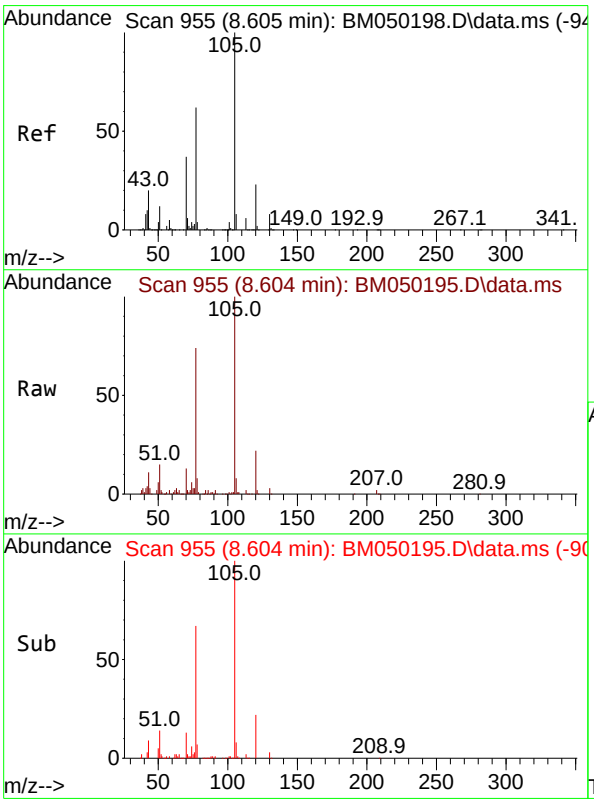
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.4	3.8	5.8
68	5.9	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

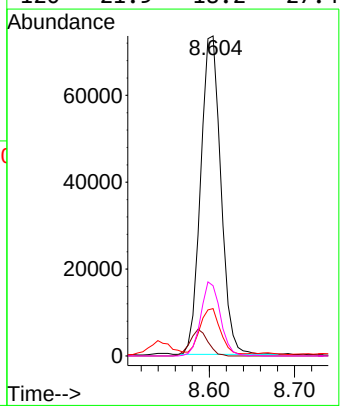
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

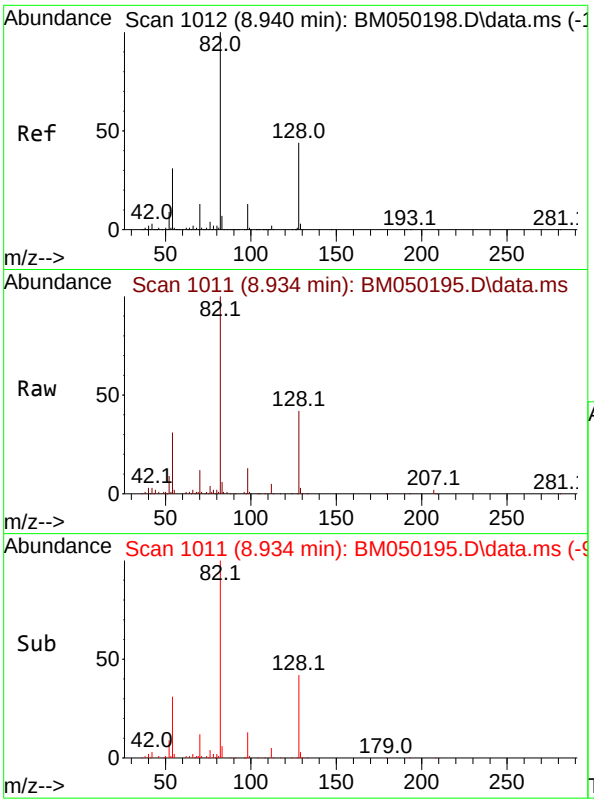


#22
Acetophenone
Concen: 5.150 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:105 Resp: 120380

Ion	Ratio	Lower	Upper
105	100		
71	2.2	5.0	7.4#
51	14.8	11.4	17.2
120	21.9	18.2	27.4

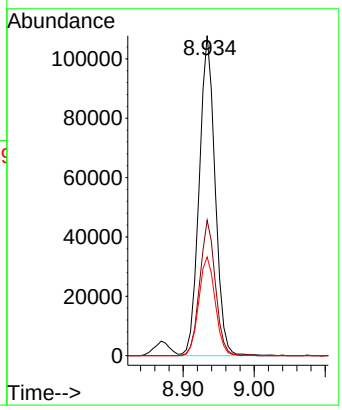




#23
Nitrobenzene-d5
Concen: 9.332 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 82 Resp: 16788

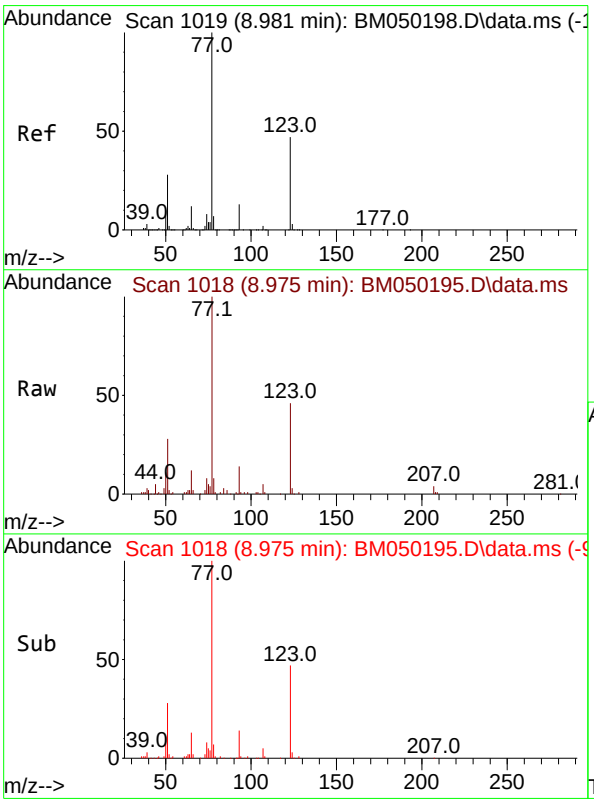
Ion	Ratio	Lower	Upper
82	100		
128	42.4	35.2	52.8
54	30.8	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

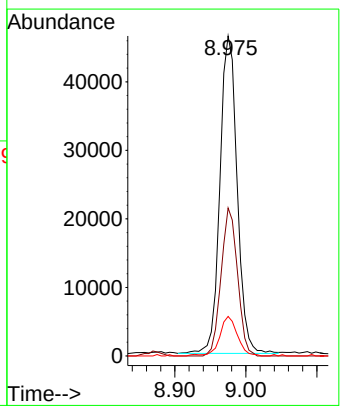
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

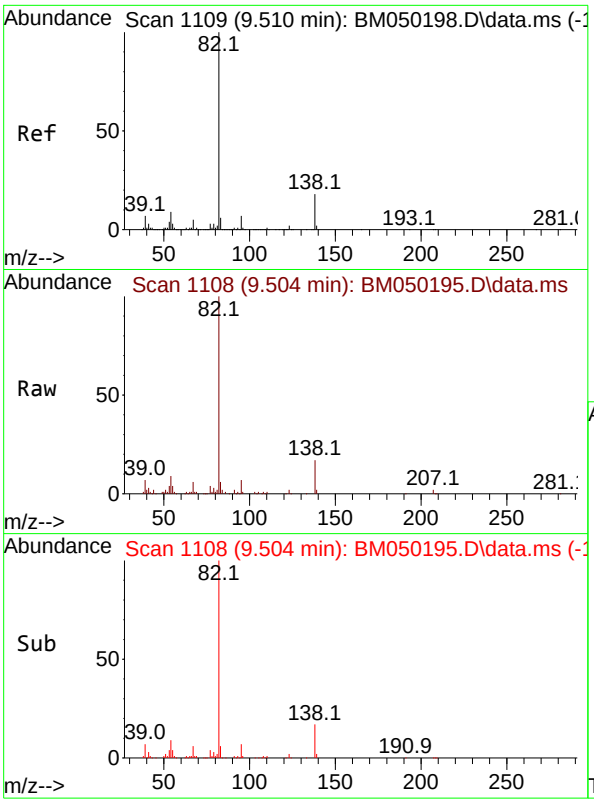


#24
Nitrobenzene
Concen: 4.757 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 77 Resp: 77828

Ion	Ratio	Lower	Upper
77	100		
123	46.3	38.2	57.2
65	12.3	9.5	14.3

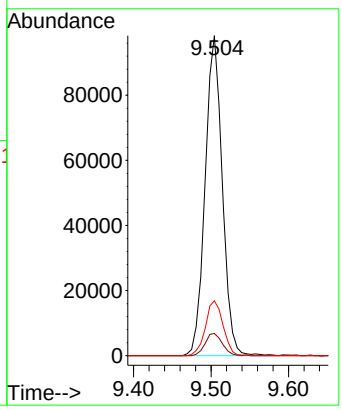




#25
Isophorone
Concen: 4.872 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 82 Resp: 15129

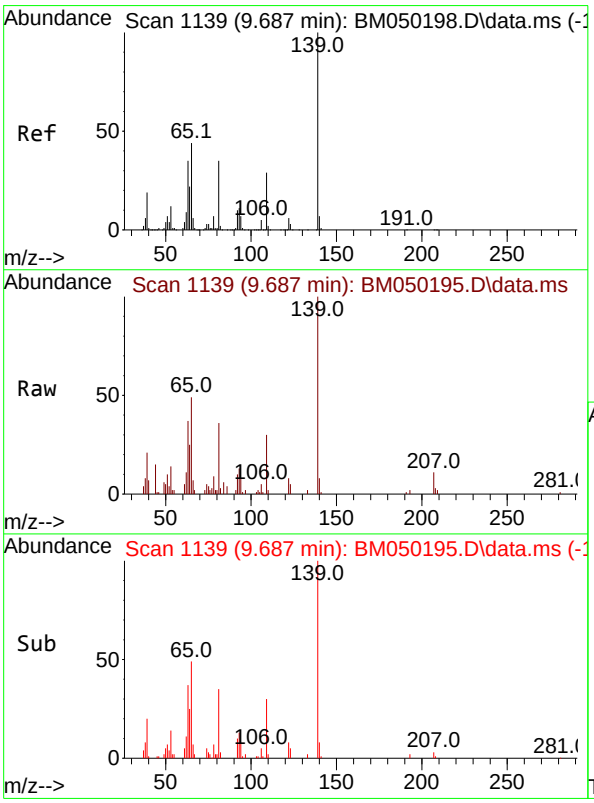
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	17.2	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

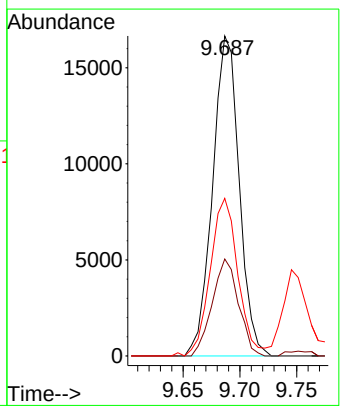
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

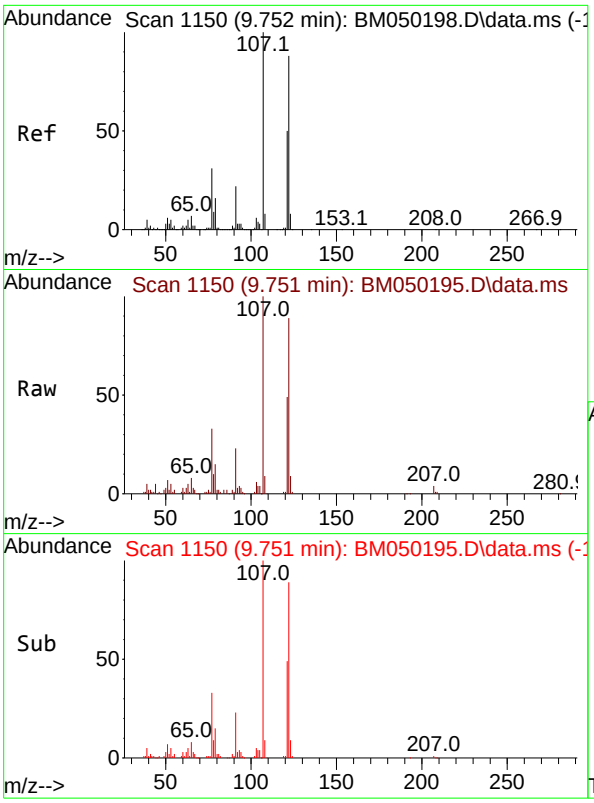


#26
2-Nitrophenol
Concen: 3.839 ng
RT: 9.687 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:139 Resp: 27114

Ion	Ratio	Lower	Upper
139	100		
109	30.3	23.3	34.9
65	49.2	35.2	52.8

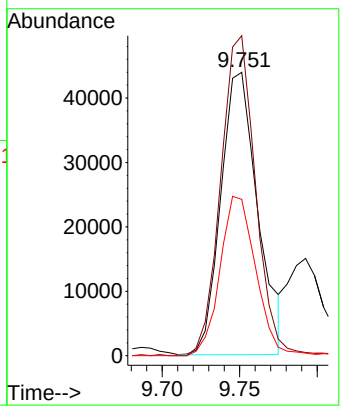




#27
2,4-Dimethylphenol
Concen: 5.010 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:122 Resp: 7276

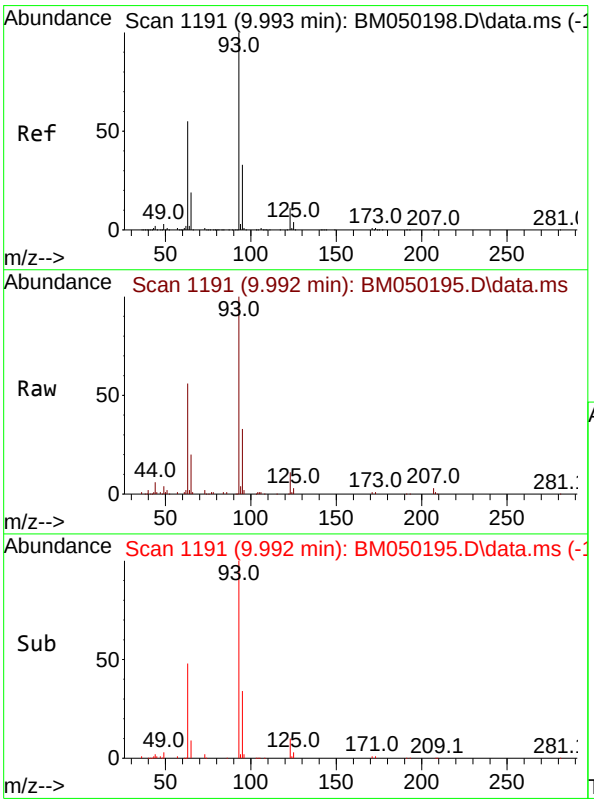
Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.0	136.6
121	55.1	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

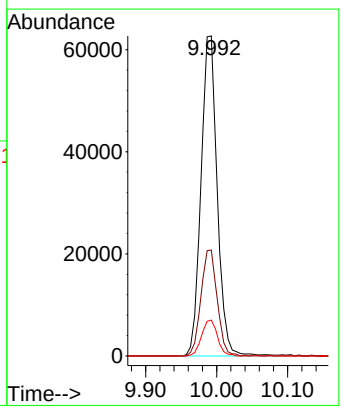
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

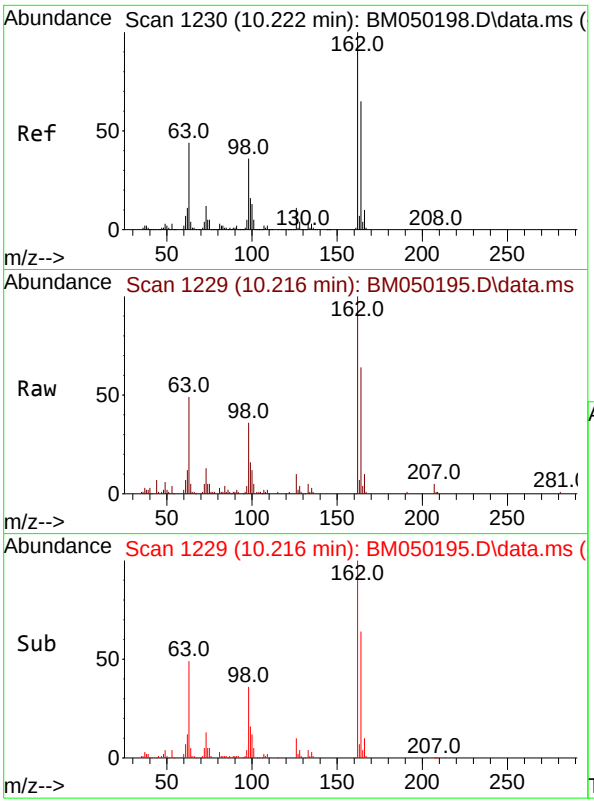


#28
bis(2-Chloroethoxy)methane
Concen: 4.915 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 93 Resp: 99703

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	11.2	8.9	13.3

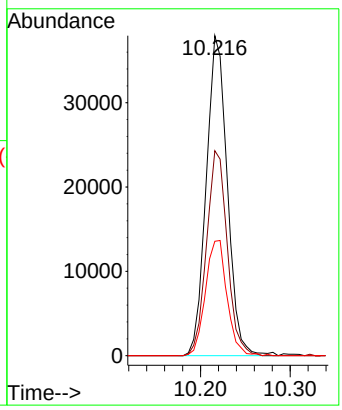




#29
2,4-Dichlorophenol
Concen: 4.611 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:162 Resp: 6192

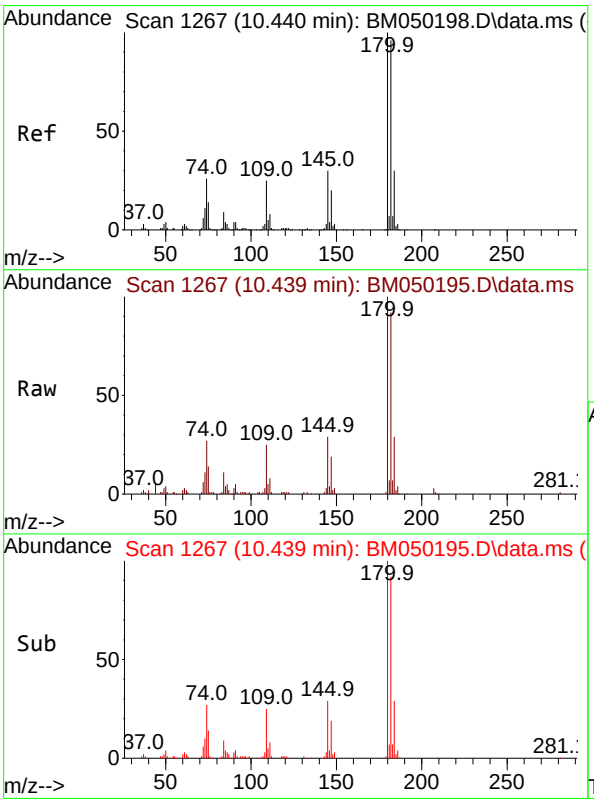
Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.0	85.0
98	35.7	16.3	56.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

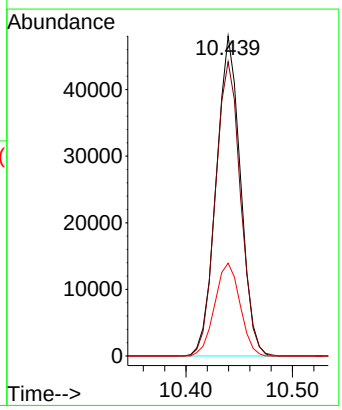
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

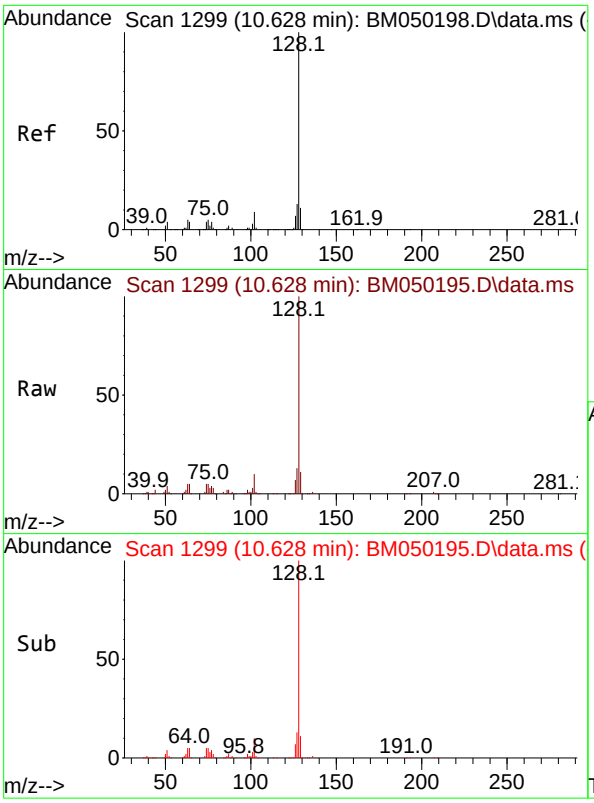


#30
1,2,4-Trichlorobenzene
Concen: 5.076 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:180 Resp: 75854

Ion	Ratio	Lower	Upper
180	100		
182	91.9	76.6	114.8
145	29.0	24.2	36.4

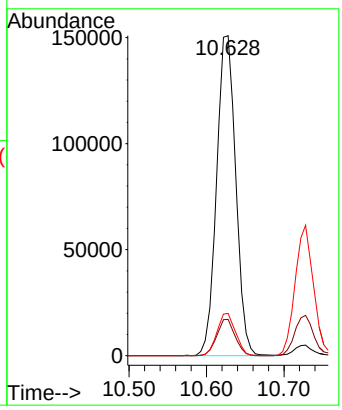




#31
Naphthalene
Concen: 5.370 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:128 Resp: 25976

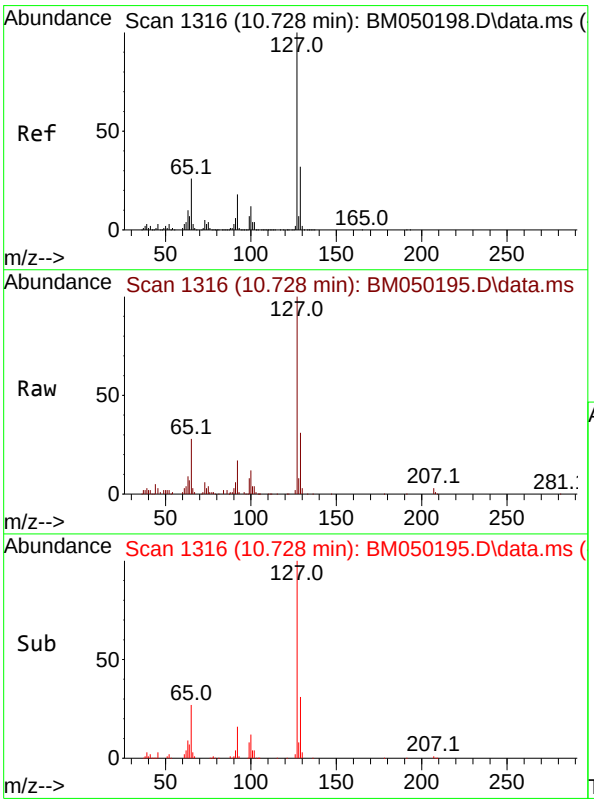
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

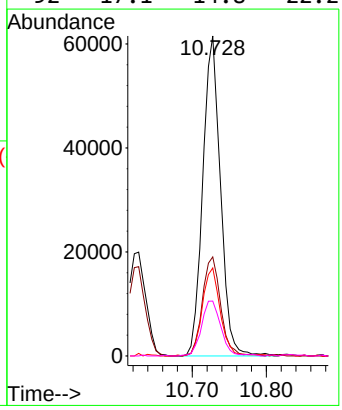
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

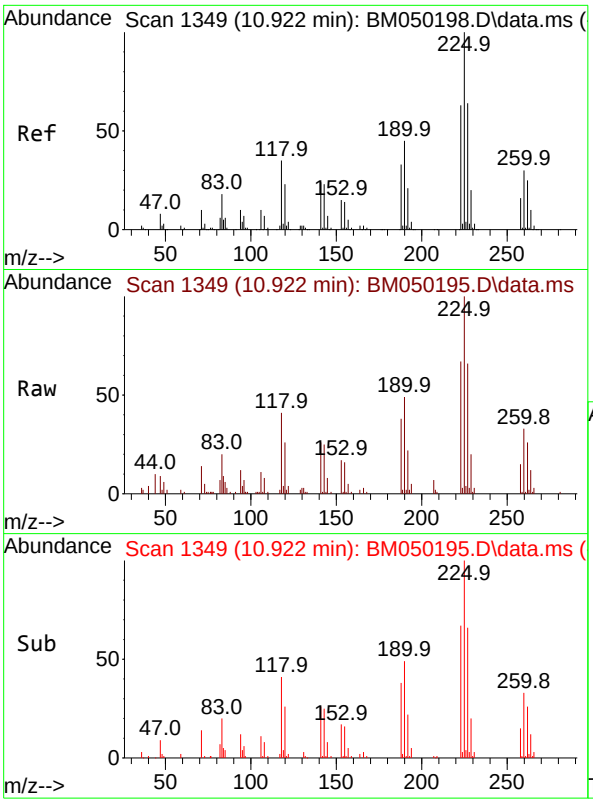


#33
4-Chloroaniline
Concen: 4.964 ng
RT: 10.728 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:127 Resp: 102387

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.4	38.0
65	27.5	21.0	31.4
92	17.1	14.8	22.2

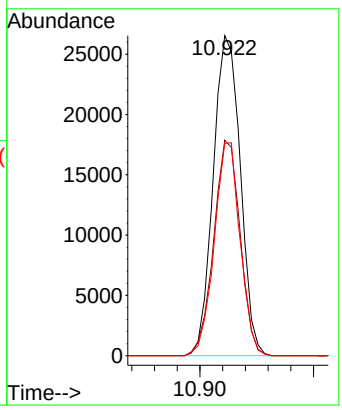




#34
Hexachlorobutadiene
Concen: 4.940 ng
RT: 10.922 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:225 Resp: 4391

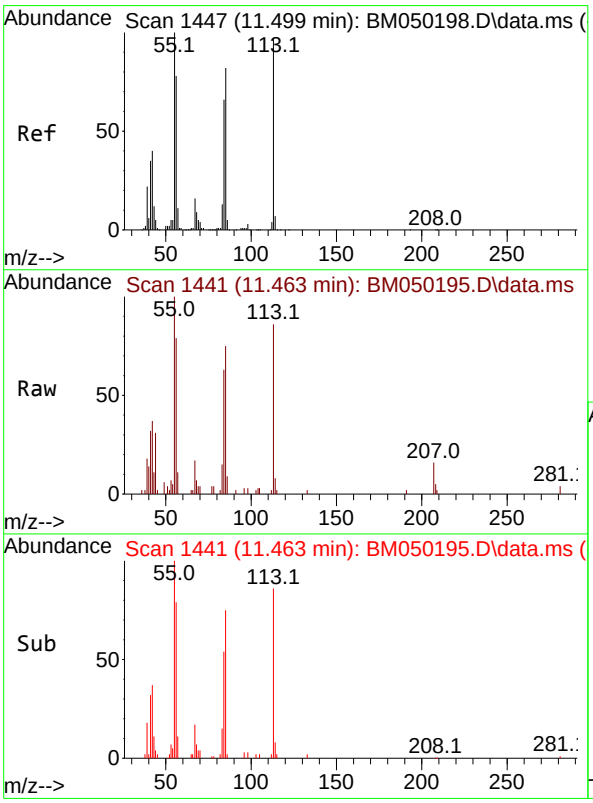
Ion	Ratio	Lower	Upper
225	100		
223	67.4	50.2	75.2
227	66.4	51.0	76.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

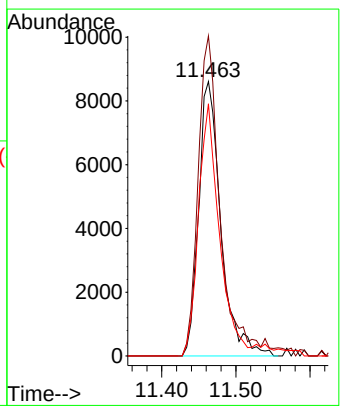
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

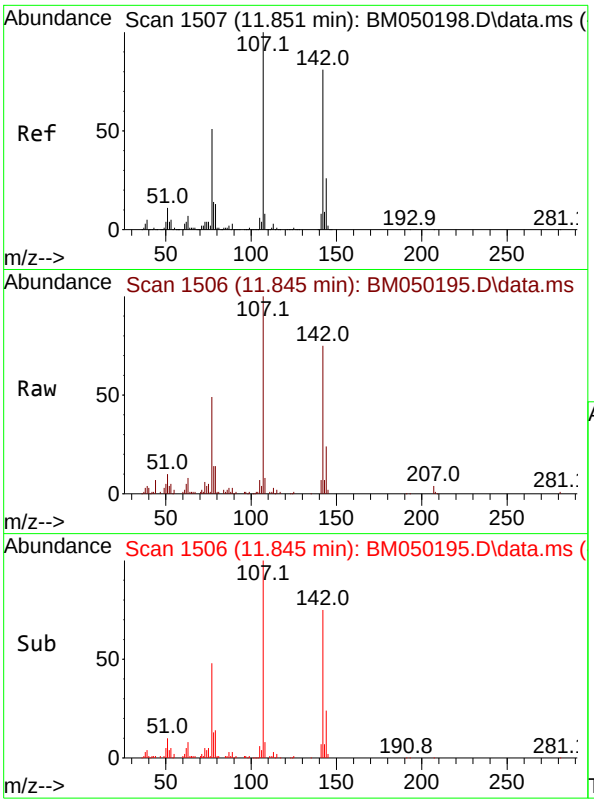


#35
Caprolactam
Concen: 4.205 ng
RT: 11.463 min Scan# 1441
Delta R.T. -0.036 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:113 Resp: 17903

Ion	Ratio	Lower	Upper
113	100		
55	116.6	83.5	123.5
56	91.9	60.6	100.6

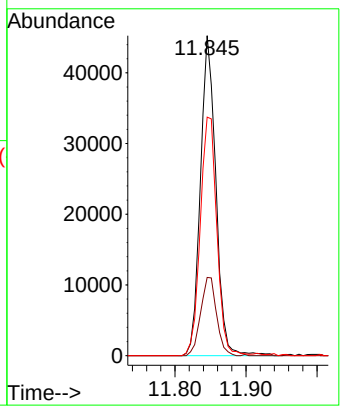




#36
4-Chloro-3-methylphenol
Concen: 4.788 ng
RT: 11.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:107 Resp: 6861

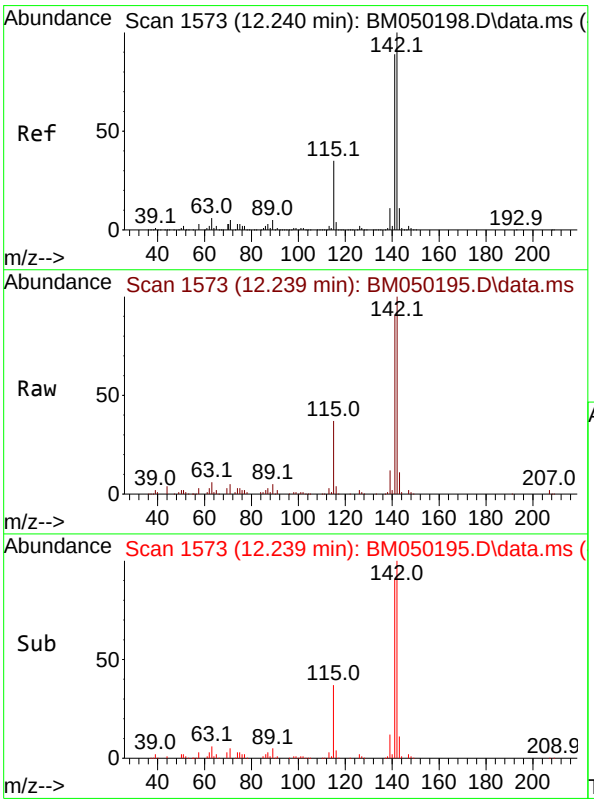
Ion	Ratio	Lower	Upper
107	100		
144	24.4	21.0	31.6
142	74.6	64.8	97.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

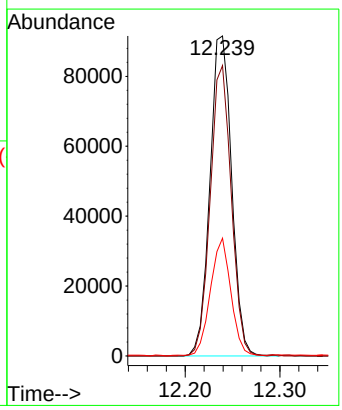
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

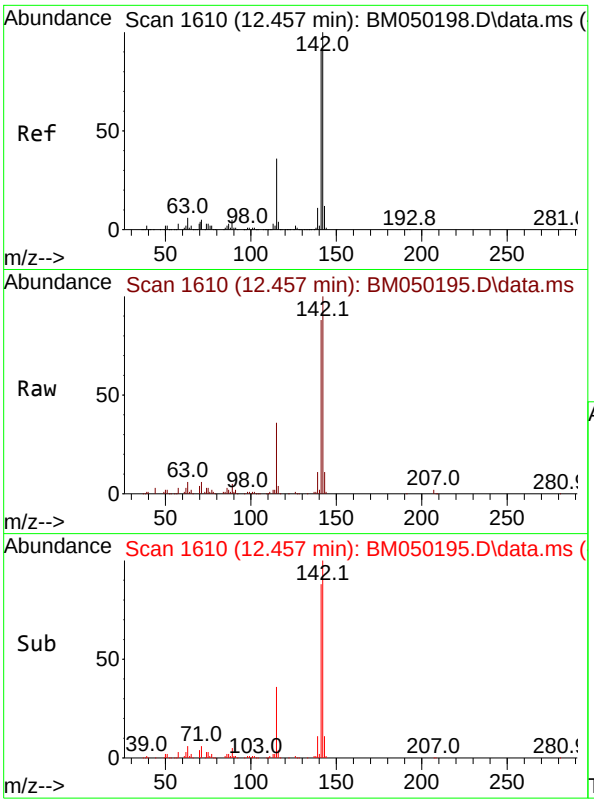


#37
2-Methylnaphthalene
Concen: 5.008 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:142 Resp: 146149

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.5	107.3
115	36.8	27.8	41.8

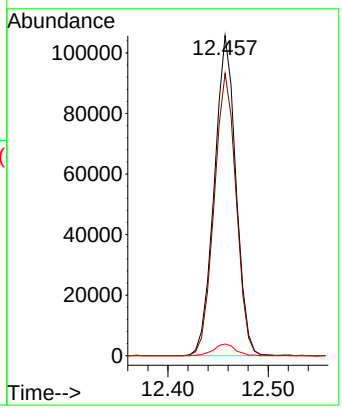




#38
1-Methylnaphthalene
Concen: 5.101 ng
RT: 12.457 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:142 Resp: 15800

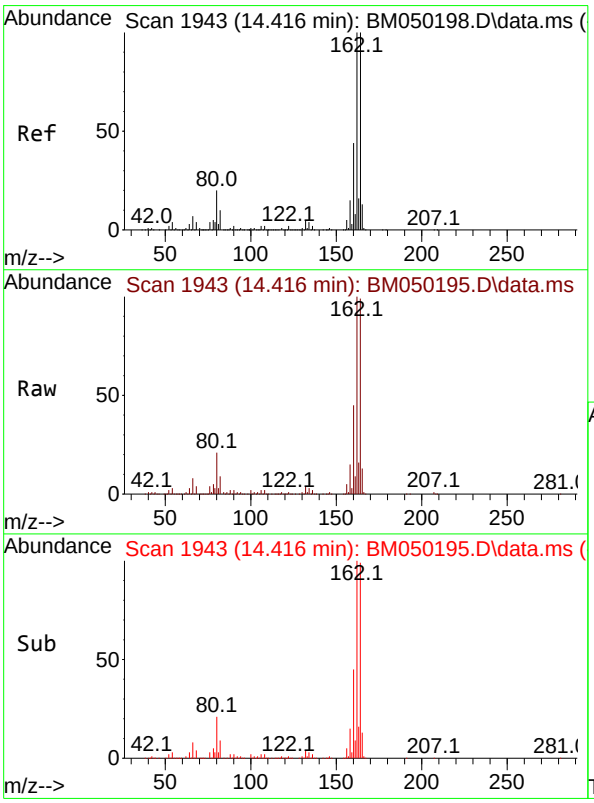
Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.9	109.3
116	3.6	3.0	4.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

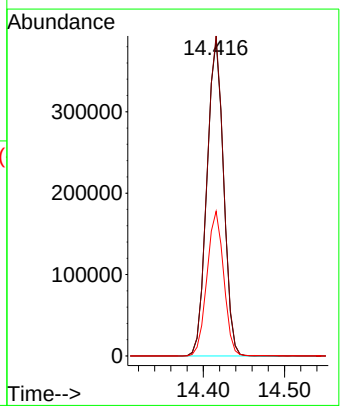
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

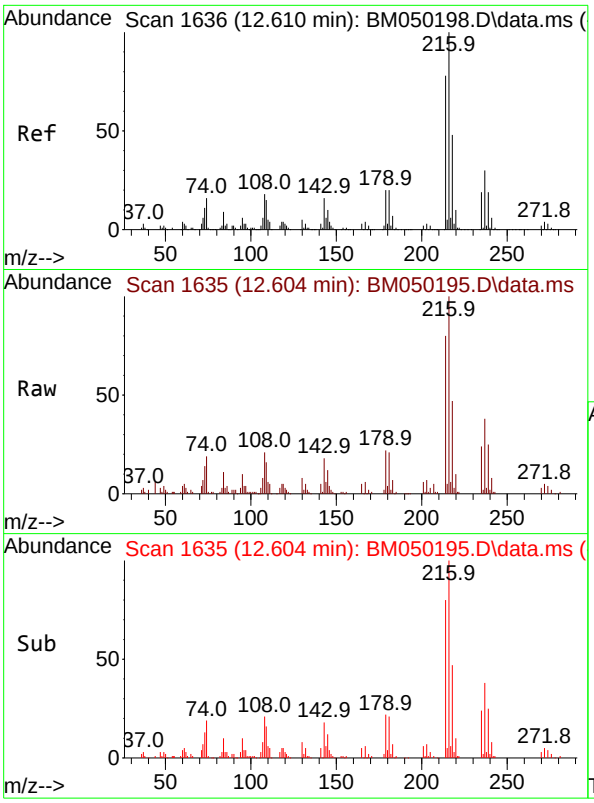


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:164 Resp: 551980

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.4
160	45.9	35.7	53.5

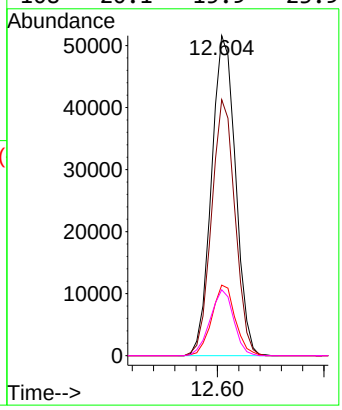




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.075 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:216 Resp: 8088

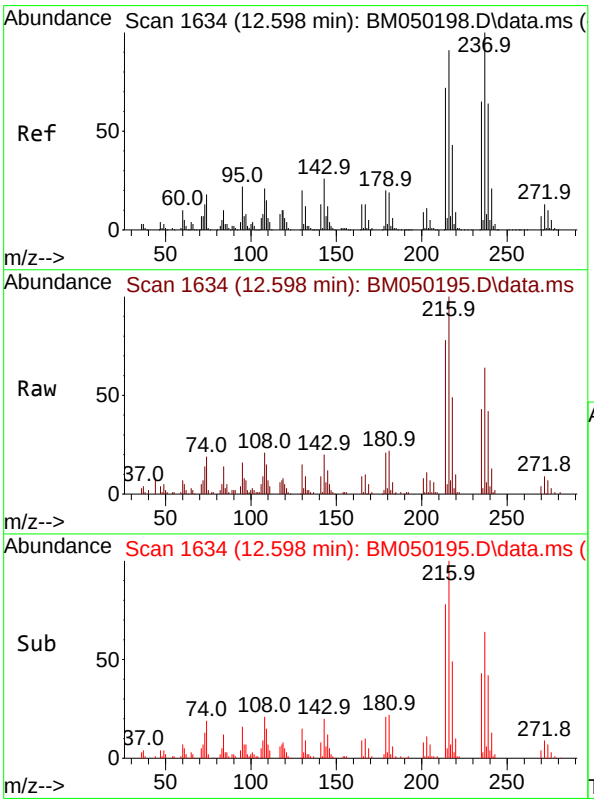
Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.0	94.4
179	21.5	16.6	25.0
108	20.1	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

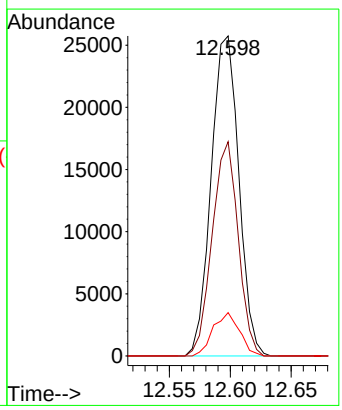
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

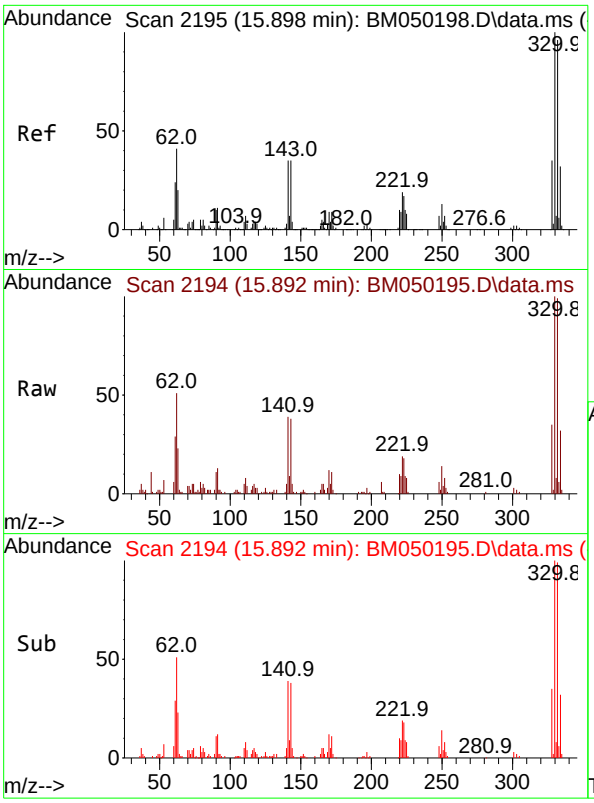


#41
Hexachlorocyclopentadiene
Concen: 4.202 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:237 Resp: 40674

Ion	Ratio	Lower	Upper
237	100		
235	67.0	44.6	84.6
272	13.6	0.0	33.1

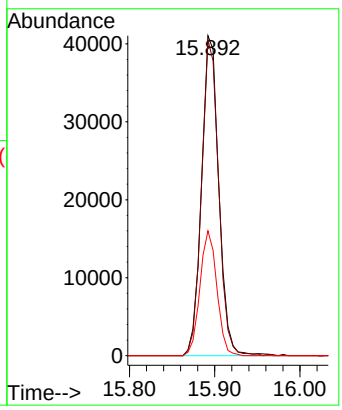




#42
2,4,6-Tribromophenol
Concen: 9.236 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:330 Resp: 5798

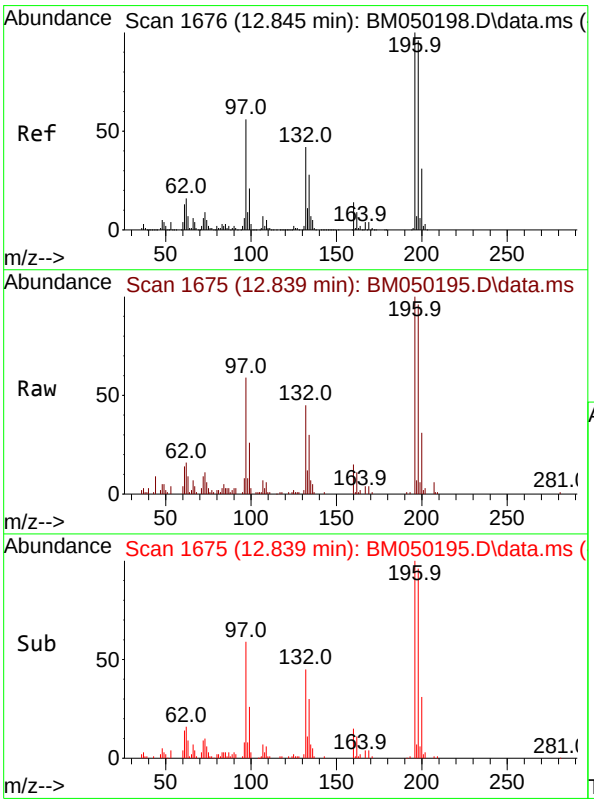
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.5	116.3
141	38.0	28.8	43.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

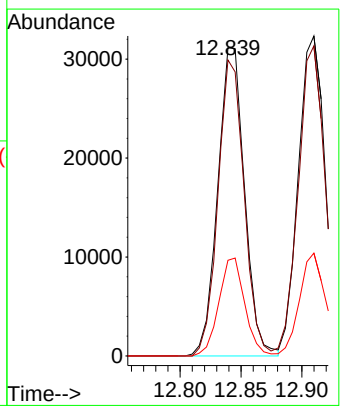
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

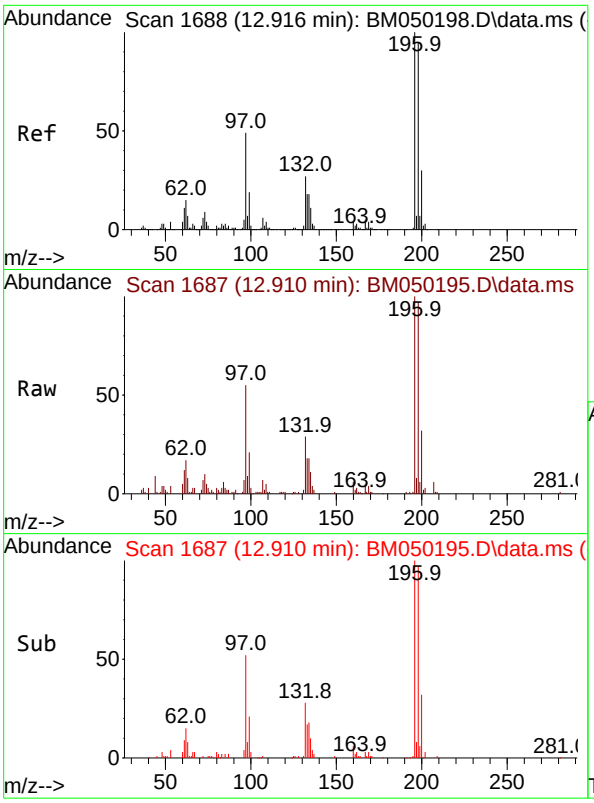


#43
2,4,6-Trichlorophenol
Concen: 4.561 ng
RT: 12.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:196 Resp: 47806

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.6	115.0
200	31.1	24.5	36.7

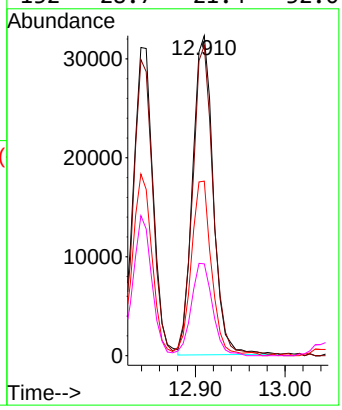




#44
2,4,5-Trichlorophenol
Concen: 4.449 ng
RT: 12.910 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:196 Resp: 5119(

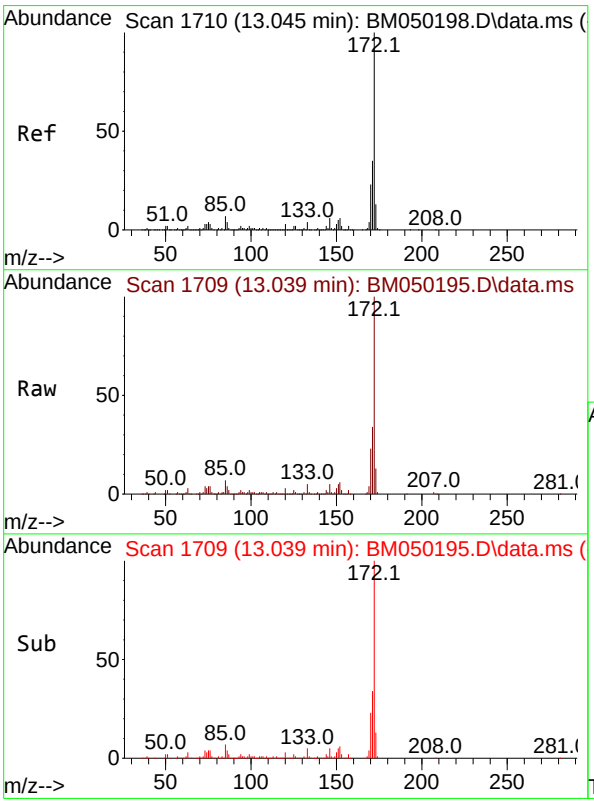
Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.1	114.1
97	54.5	39.3	58.9
132	28.7	21.4	32.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

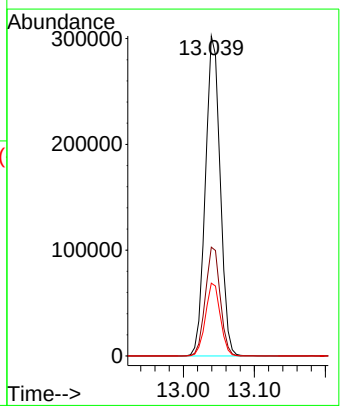
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

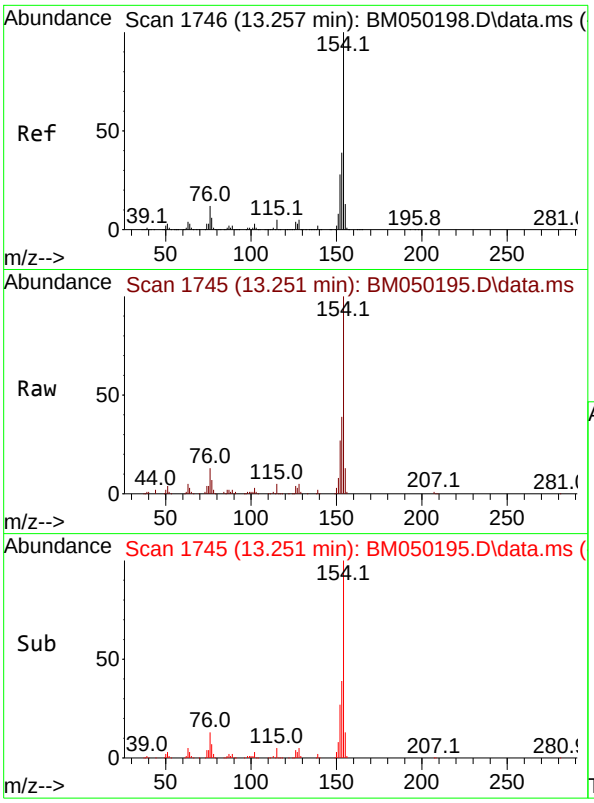


#45
2-Fluorobiphenyl
Concen: 10.753 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:172 Resp: 438411

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	22.8	18.6	27.8

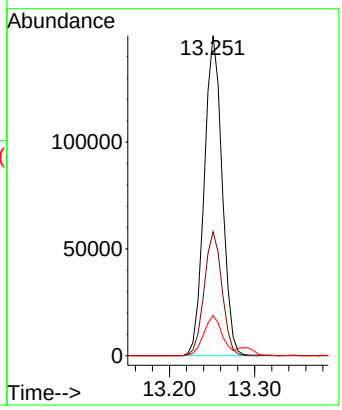




#46
1,1'-Biphenyl
Concen: 5.282 ng
RT: 13.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:154 Resp: 21830

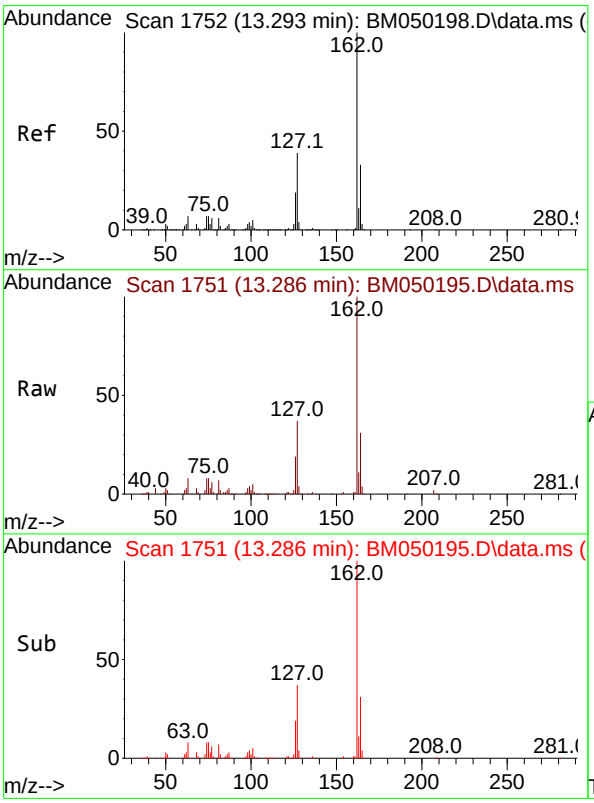
Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.2	59.2
76	12.6	0.0	32.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

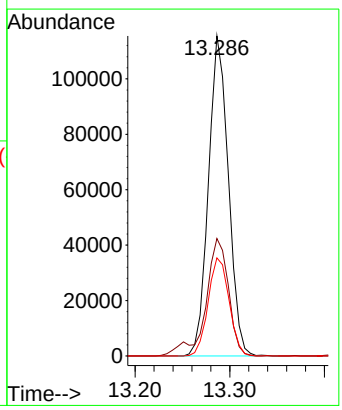
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

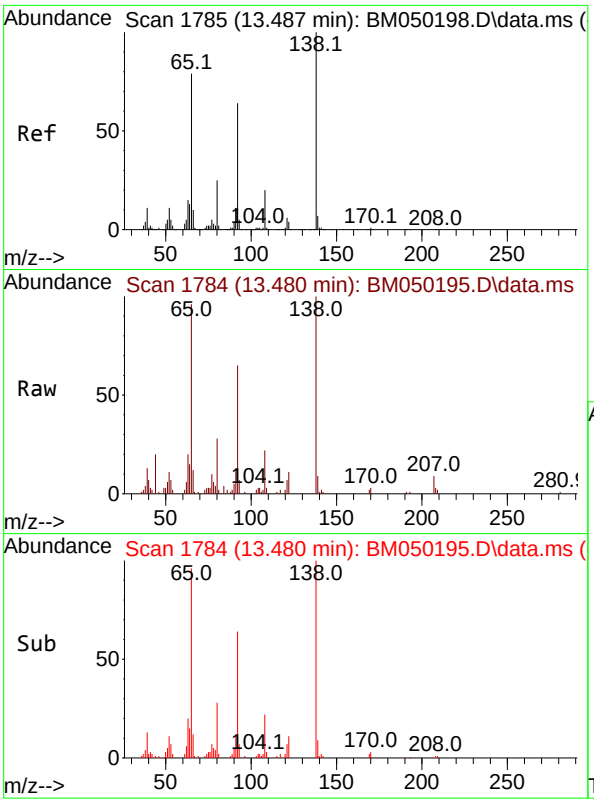


#47
2-Chloronaphthalene
Concen: 5.243 ng
RT: 13.286 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:162 Resp: 168466

Ion	Ratio	Lower	Upper
162	100		
127	36.7	31.1	46.7
164	30.7	26.5	39.7

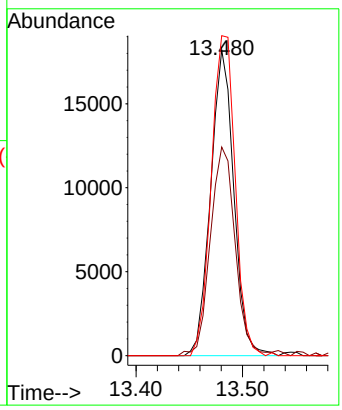




#48
2-Nitroaniline
Concen: 3.895 ng
RT: 13.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 65 Resp: 2754

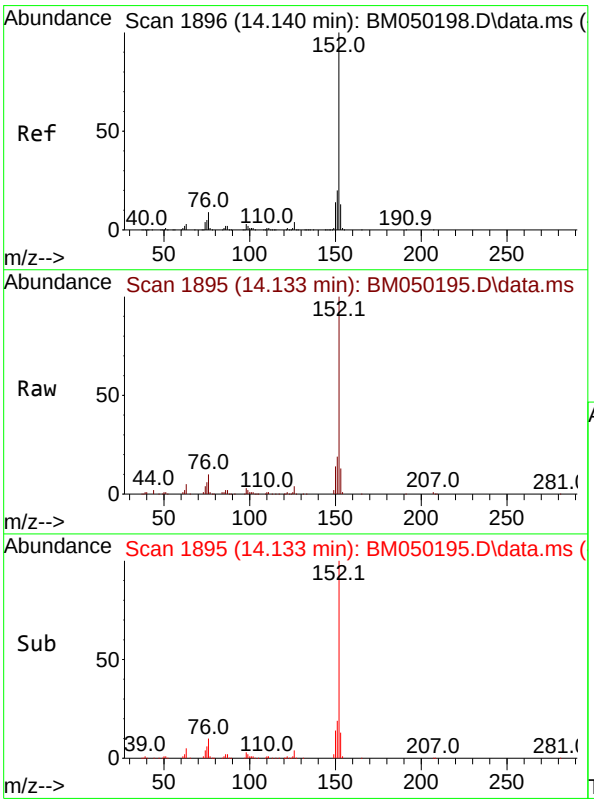
Ion	Ratio	Lower	Upper
65	100		
92	68.2	64.2	96.4
138	104.7	101.0	151.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

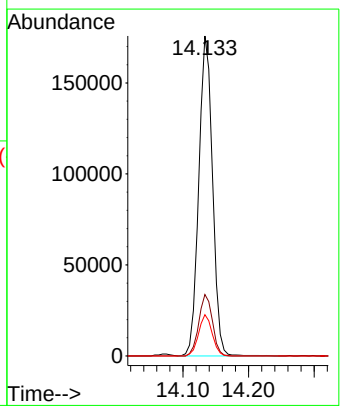
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

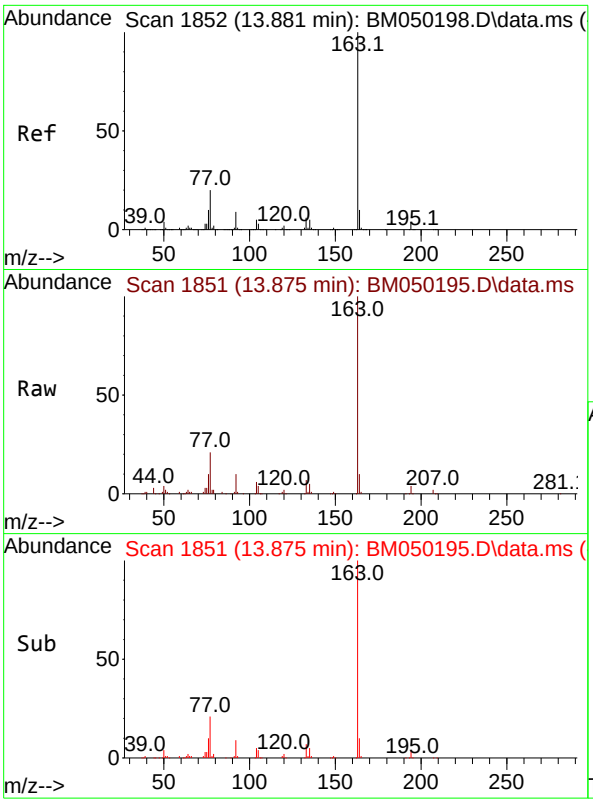


#49
Acenaphthylene
Concen: 4.946 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:152 Resp: 257055

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	12.9	10.4	15.6

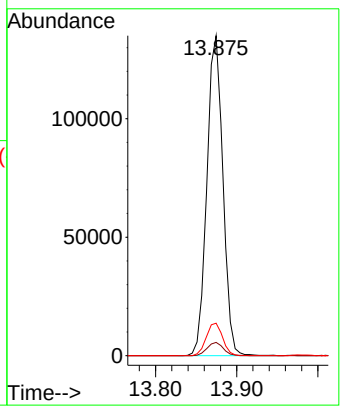




#50
Dimethylphthalate
Concen: 4.950 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:163 Resp: 18477

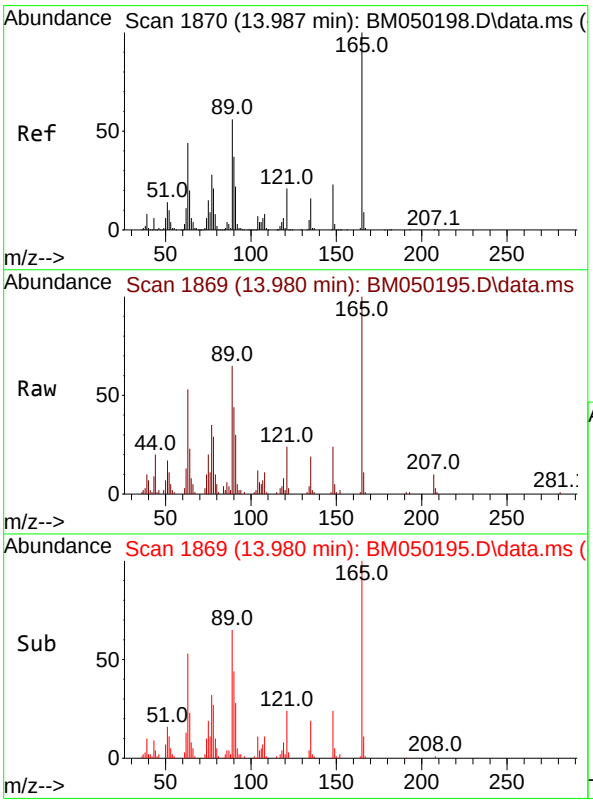
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

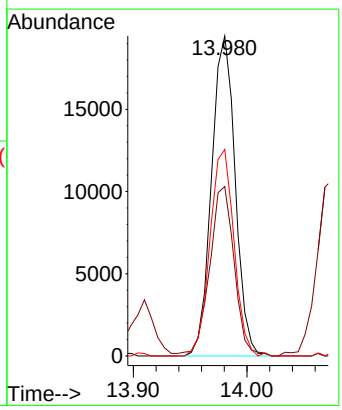
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

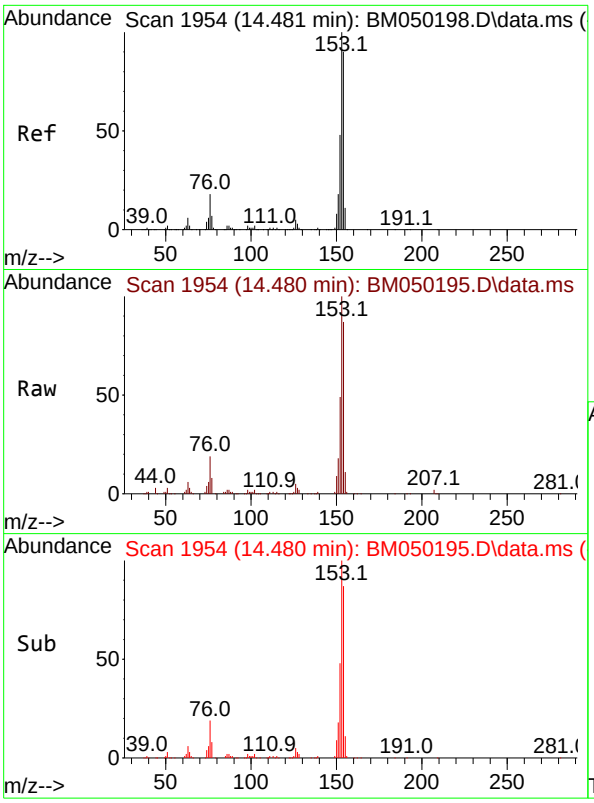


#51
2,6-Dinitrotoluene
Concen: 3.739 ng
RT: 13.980 min Scan# 1869
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:165 Resp: 28146

Ion	Ratio	Lower	Upper
165	100		
63	52.9	35.8	53.6
89	64.5	44.8	67.2

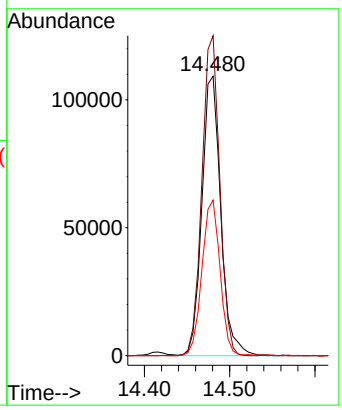




#52
Acenaphthene
Concen: 5.164 ng
RT: 14.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:154 Resp: 16787

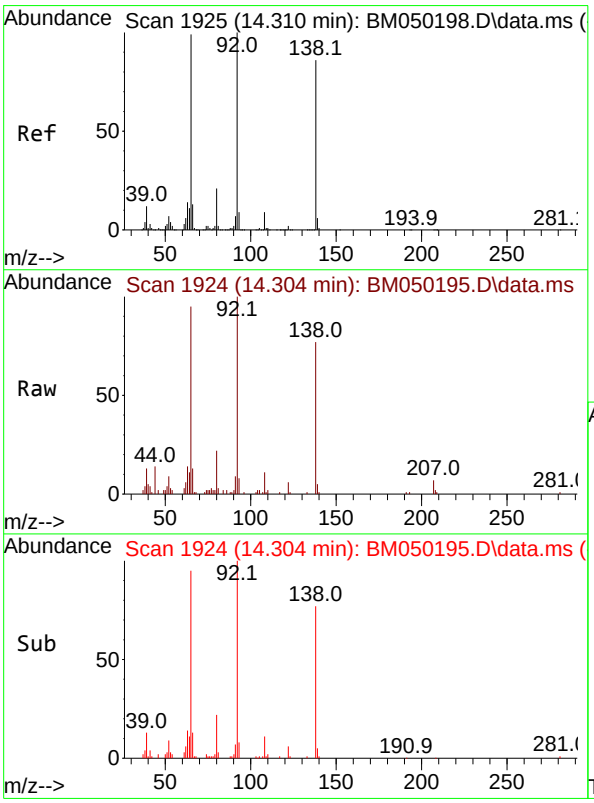
Ion	Ratio	Lower	Upper
154	100		
153	114.5	88.7	133.1
152	55.6	42.6	63.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

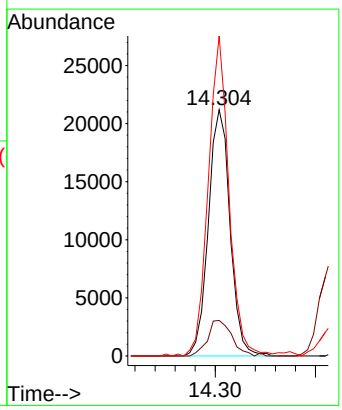
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

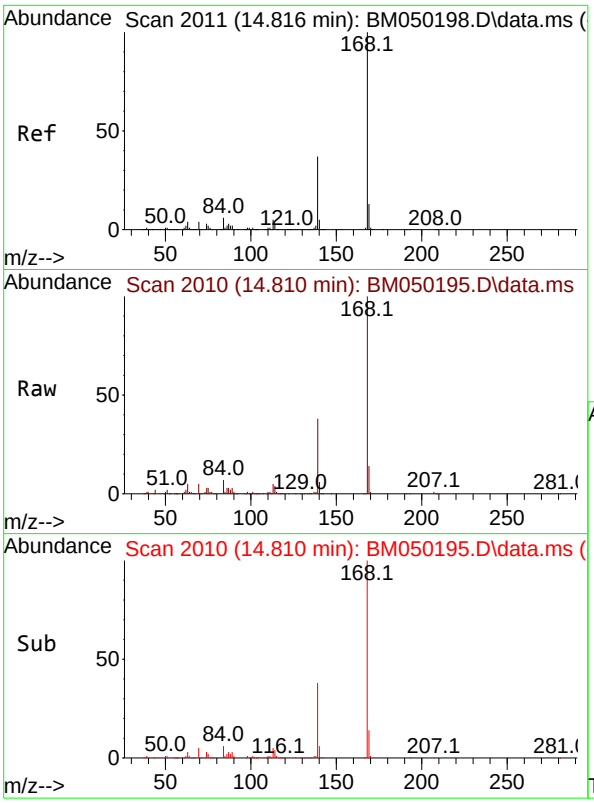


#53
3-Nitroaniline
Concen: 3.794 ng
RT: 14.304 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:138 Resp: 31831

Ion	Ratio	Lower	Upper
138	100		
108	14.4	8.8	13.2#
92	129.9	92.9	139.3

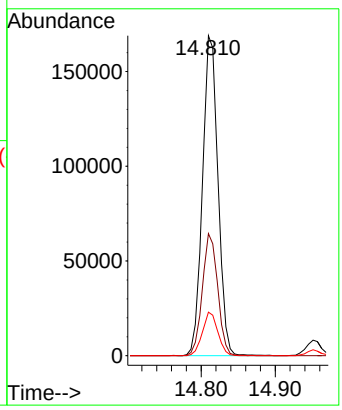




#55
Dibenzofuran
Concen: 5.171 ng
RT: 14.810 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:168 Resp: 24591

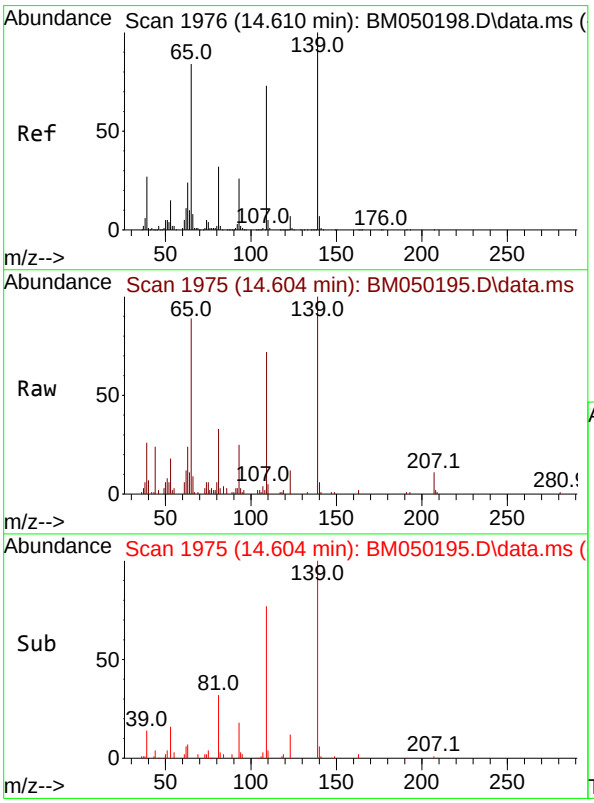
Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.9	44.9
169	13.6	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

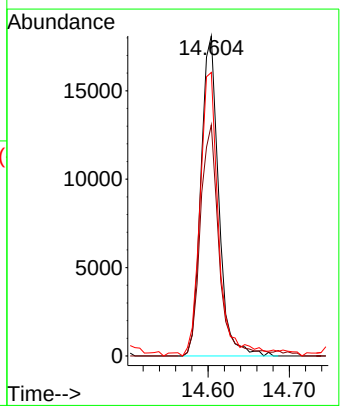
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

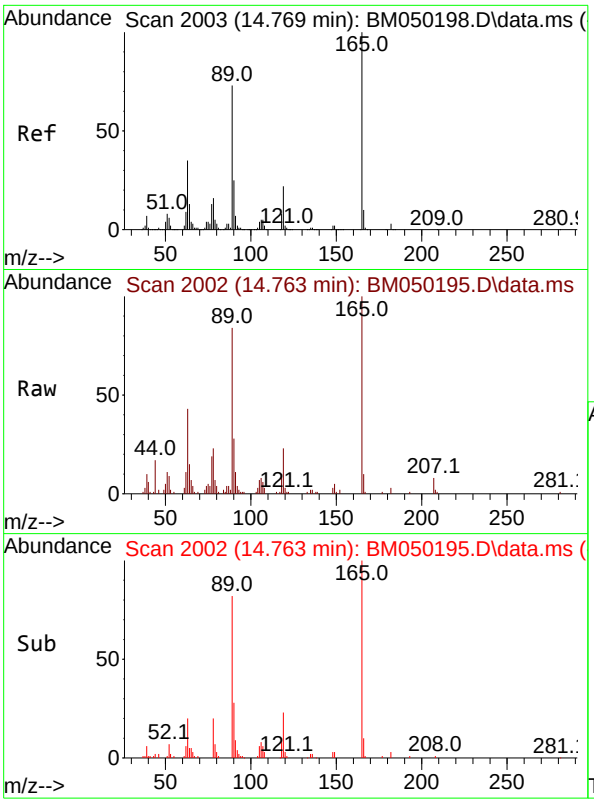


#56
4-Nitrophenol
Concen: 3.840 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:139 Resp: 27420

Ion	Ratio	Lower	Upper
139	100		
109	72.2	52.6	92.6
65	88.6	64.3	104.3

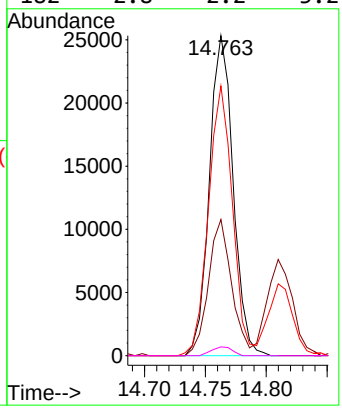




#57
2,4-Dinitrotoluene
Concen: 3.470 ng
RT: 14.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:165 Resp: 3445

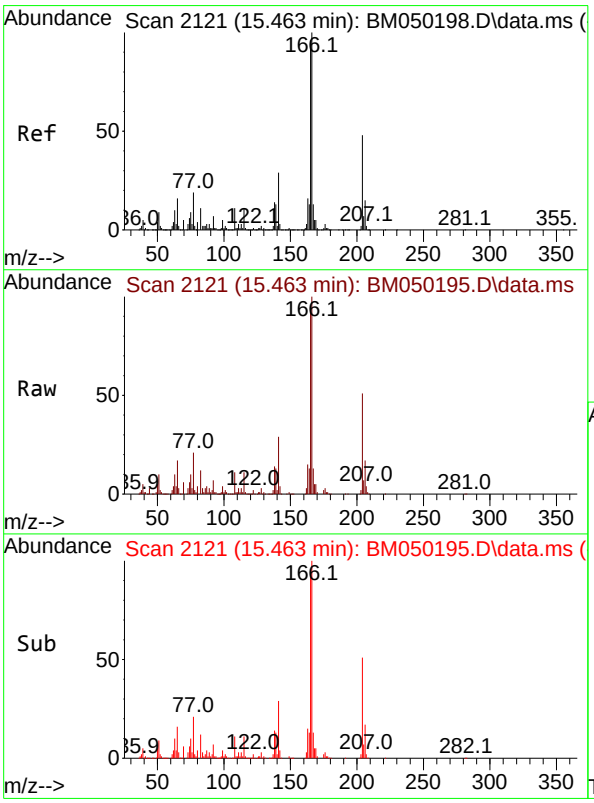
Ion	Ratio	Lower	Upper
165	100		
63	42.5	28.4	42.6
89	84.3	58.0	87.0
182	2.8	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

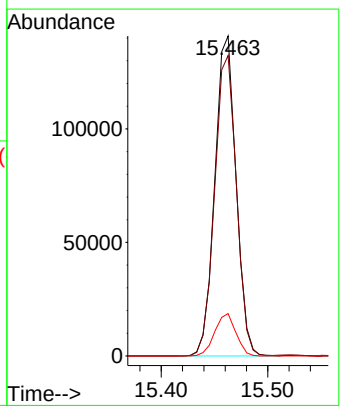
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

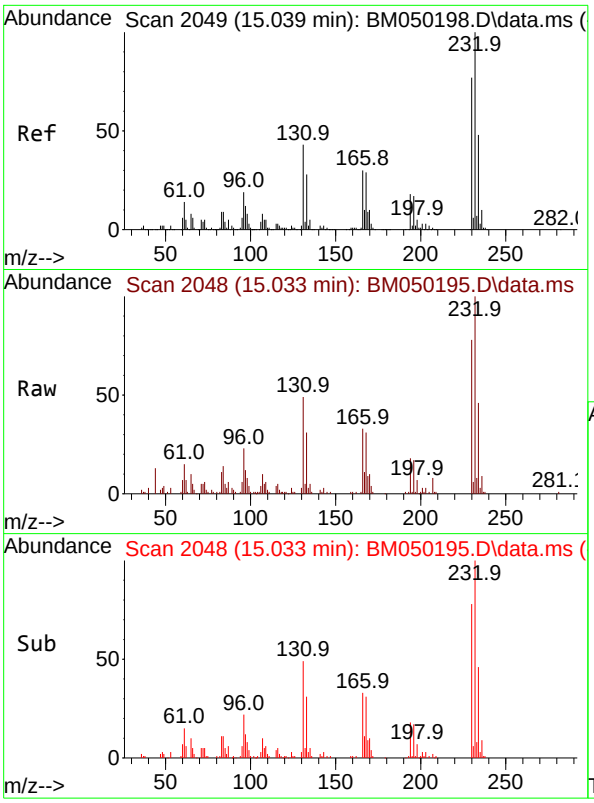


#58
Fluorene
Concen: 5.354 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:166 Resp: 195018

Ion	Ratio	Lower	Upper
166	100		
165	93.9	77.0	115.4
167	13.3	10.7	16.1

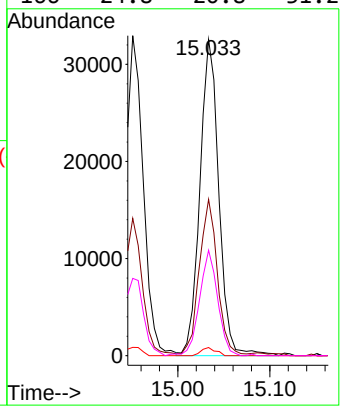




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.685 ng m
RT: 15.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:232 Resp: 4664

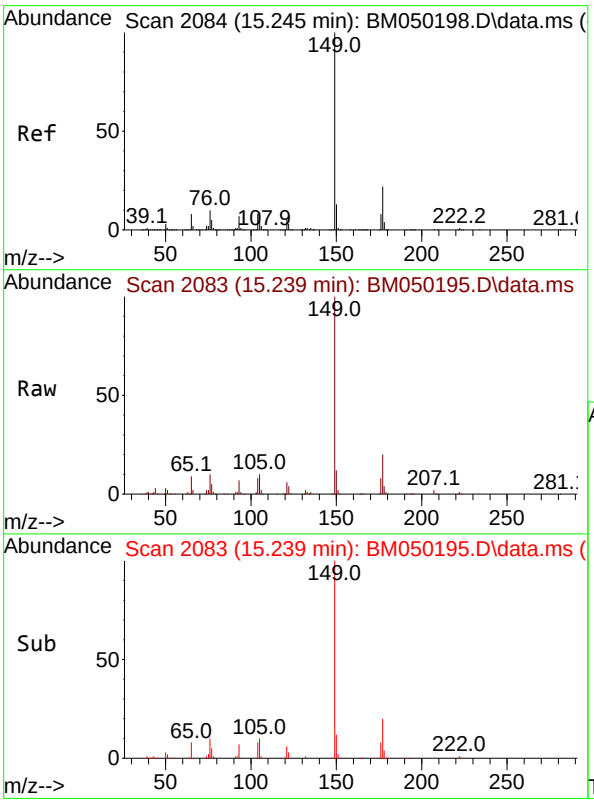
Ion	Ratio	Lower	Upper
232	100		
131	42.0	32.9	49.3
130	2.5	1.8	2.8
166	24.8	20.8	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

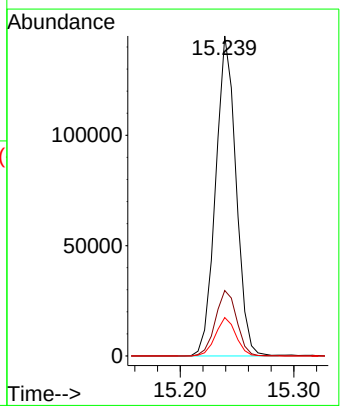
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

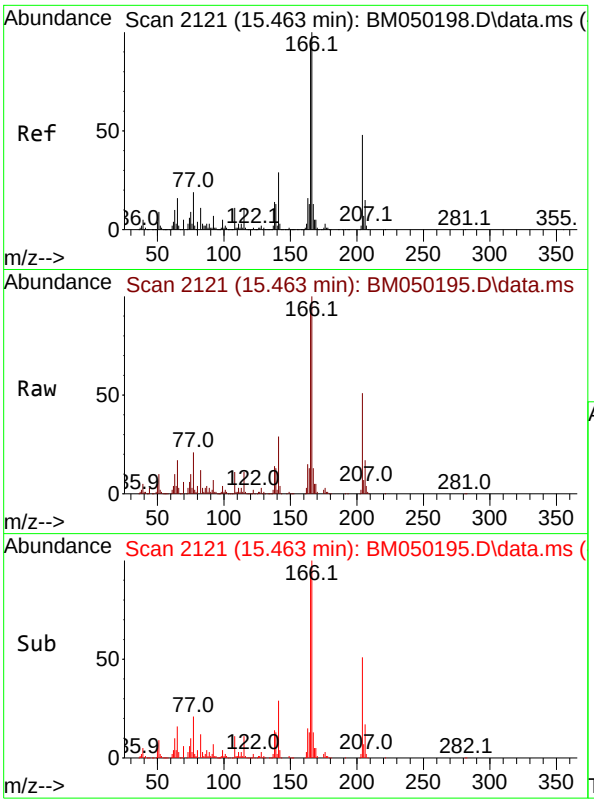


#60
Diethylphthalate
Concen: 4.897 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:149 Resp: 181363

Ion	Ratio	Lower	Upper
149	100		
177	20.5	17.2	25.8
150	12.0	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 5.291 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

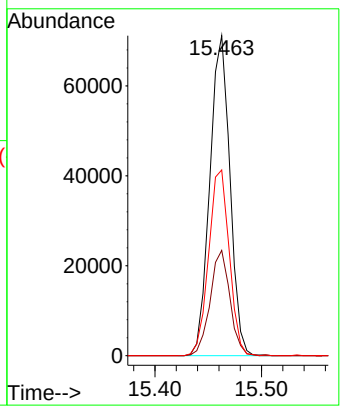
Tgt Ion:204 Resp: 9314

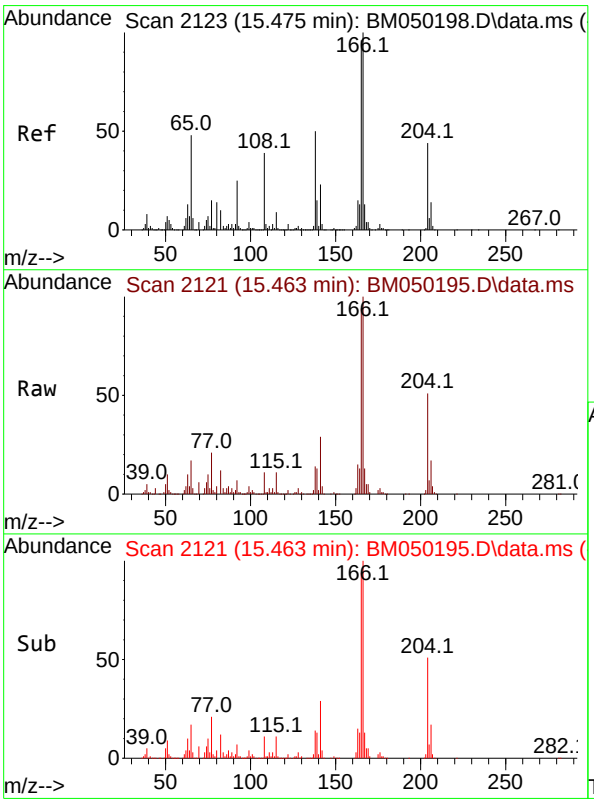
Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.4	38.0
141	58.1	47.9	71.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

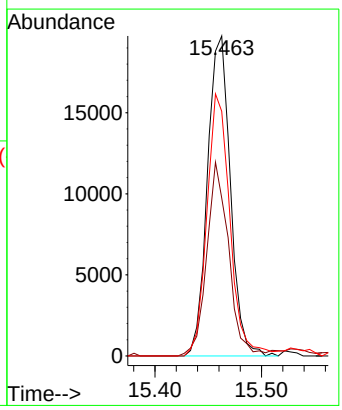


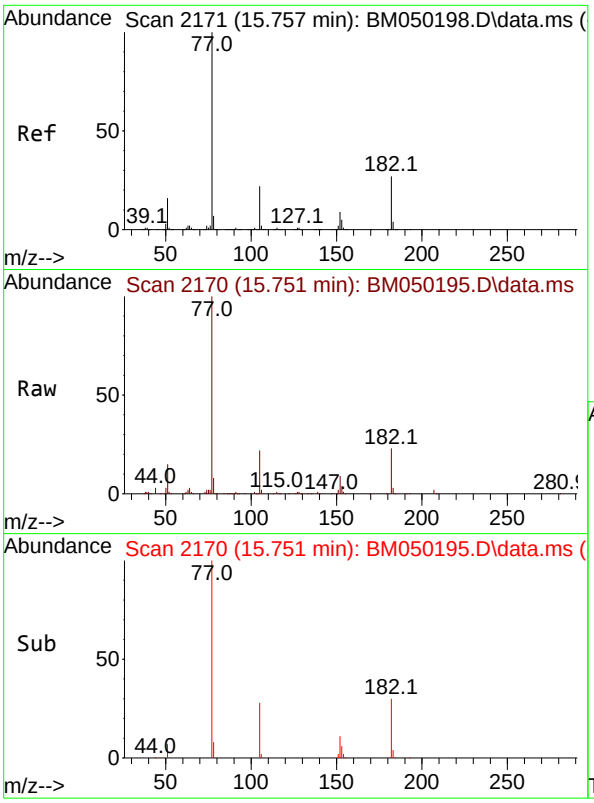


#62
4-Nitroaniline
Concen: 3.743 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:138 Resp: 29436

Ion	Ratio	Lower	Upper
138	100		
92	49.4	28.8	68.8
108	76.5	58.1	98.1

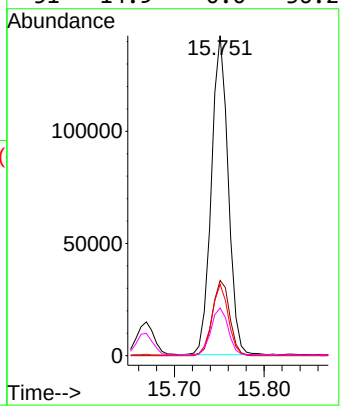




#63
Azobenzene
Concen: 5.001 ng
RT: 15.751 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion: 77 Resp: 18515

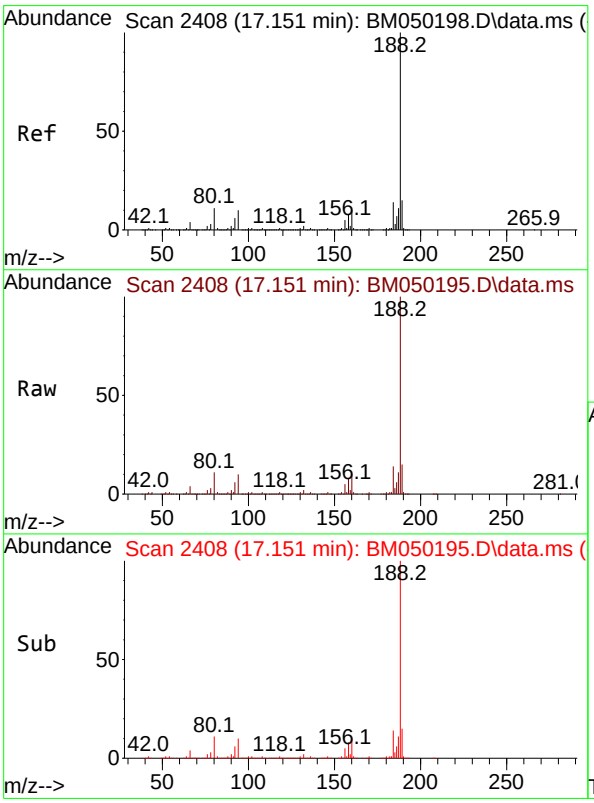
Ion	Ratio	Lower	Upper
77	100		
182	23.5	6.8	46.8
105	22.3	1.7	41.7
51	14.9	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

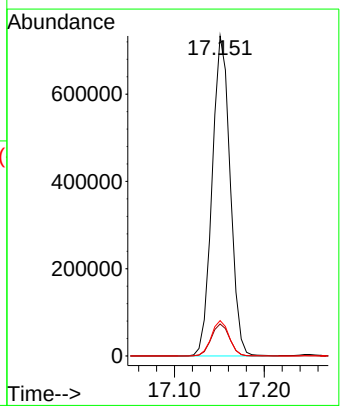
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

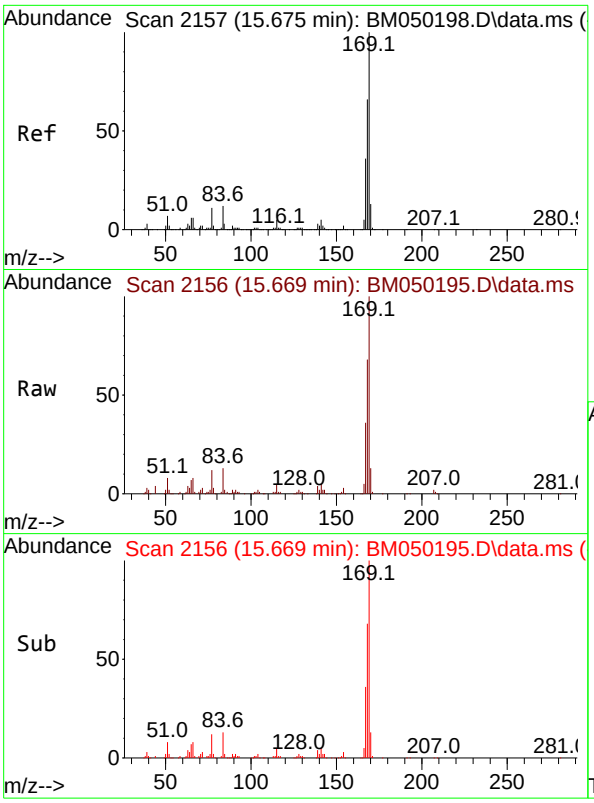


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:188 Resp: 1022508

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	11.1	8.6	13.0

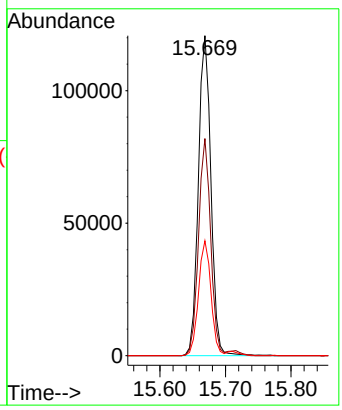




#66
n-Nitrosodiphenylamine
Concen: 5.014 ng
RT: 15.669 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:169 Resp: 16109

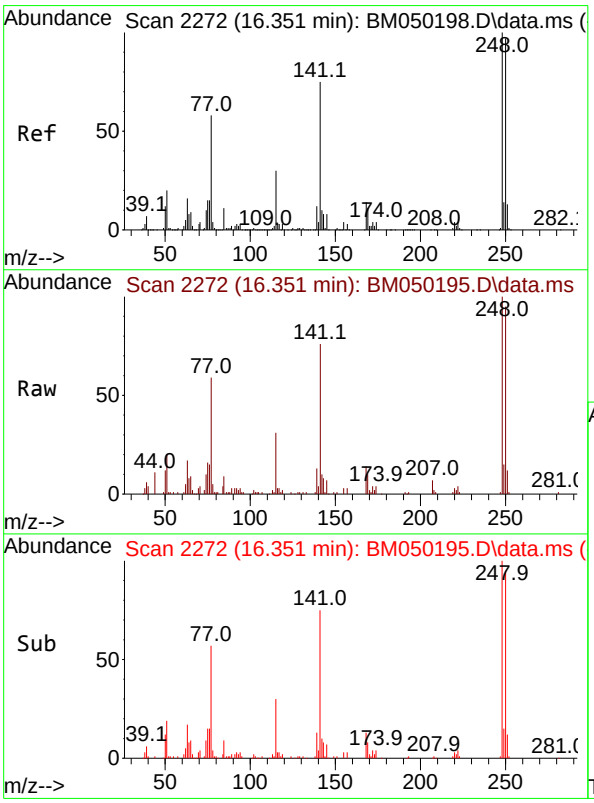
Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.1	79.7
167	35.9	29.0	43.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

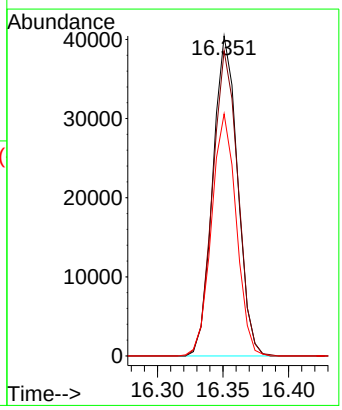
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

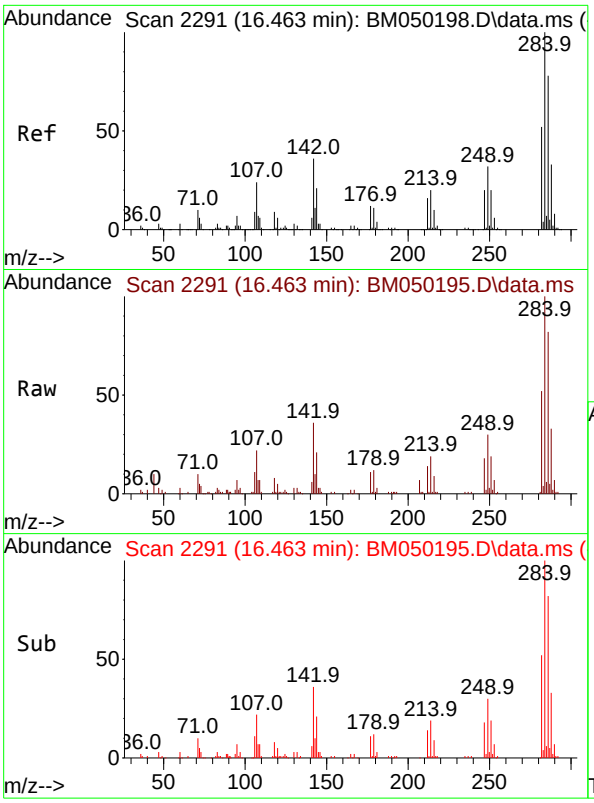


#67
4-Bromophenyl-phenylether
Concen: 4.857 ng
RT: 16.351 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:248 Resp: 52965

Ion	Ratio	Lower	Upper
248	100		
250	95.4	78.0	117.0
141	75.7	60.1	90.1

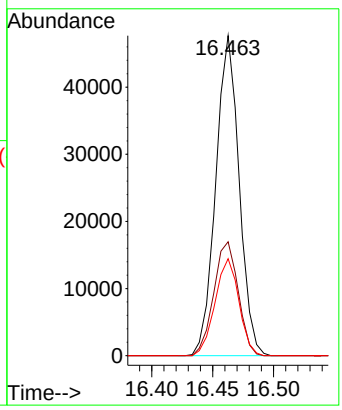




#68
Hexachlorobenzene
Concen: 5.000 ng
RT: 16.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:284 Resp: 6369

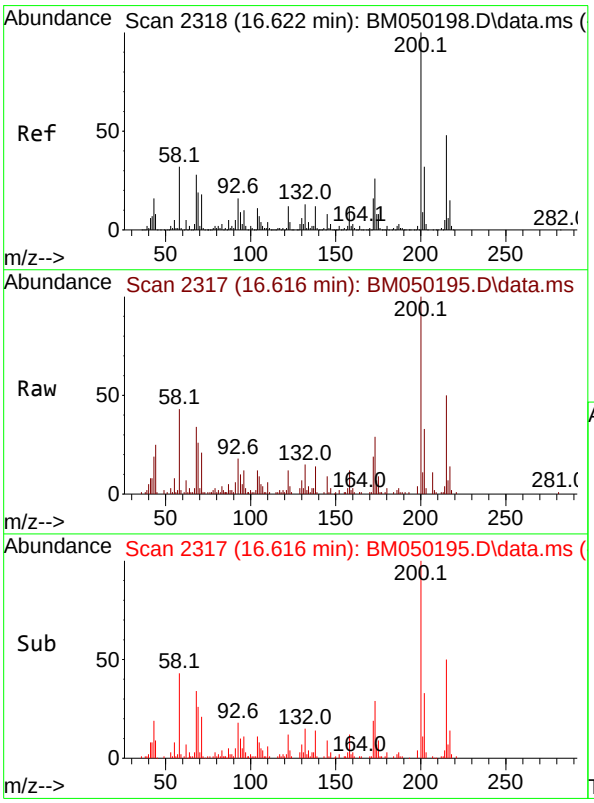
Ion	Ratio	Lower	Upper
284	100		
142	35.6	28.8	43.2
249	30.3	25.8	38.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

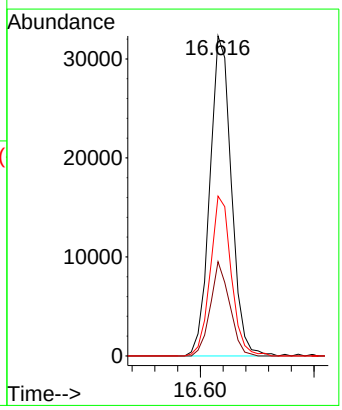
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

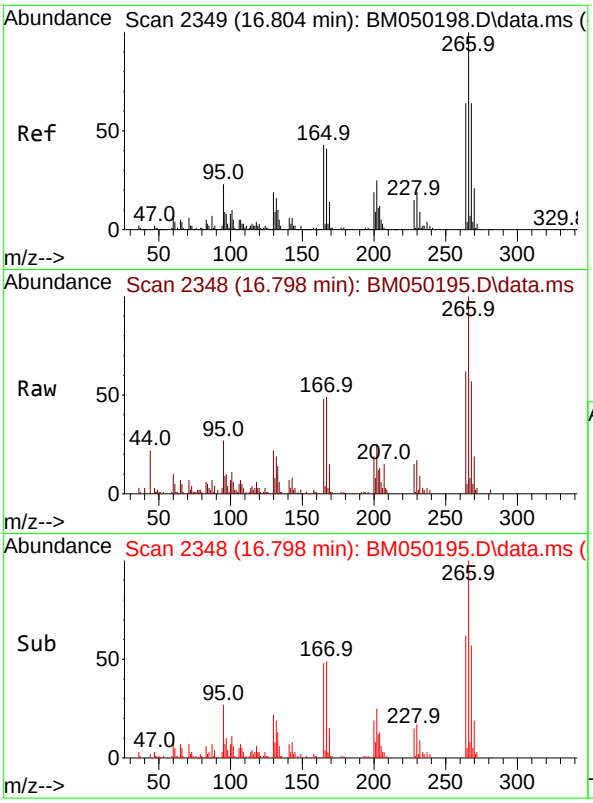


#69
Atrazine
Concen: 4.150 ng
RT: 16.616 min Scan# 2317
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:200 Resp: 42483

Ion	Ratio	Lower	Upper
200	100		
173	29.5	6.0	46.0
215	50.0	28.1	68.1

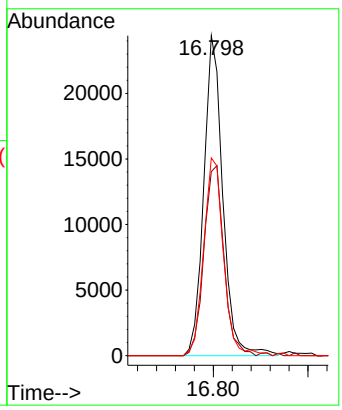




#70
Pentachlorophenol
Concen: 4.101 ng
RT: 16.798 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:266 Resp: 3397

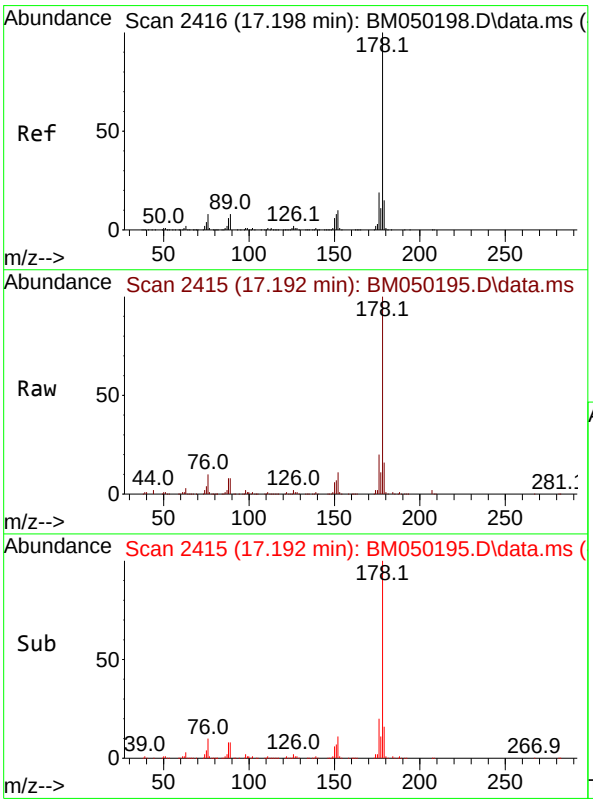
Ion	Ratio	Lower	Upper
266	100		
268	57.5	51.0	76.6
264	61.8	50.8	76.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

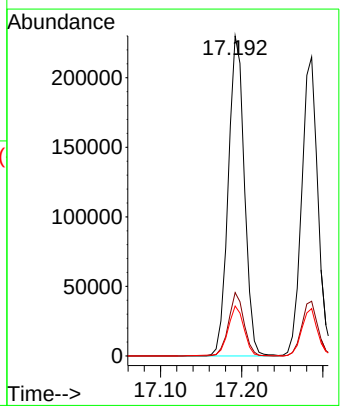
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

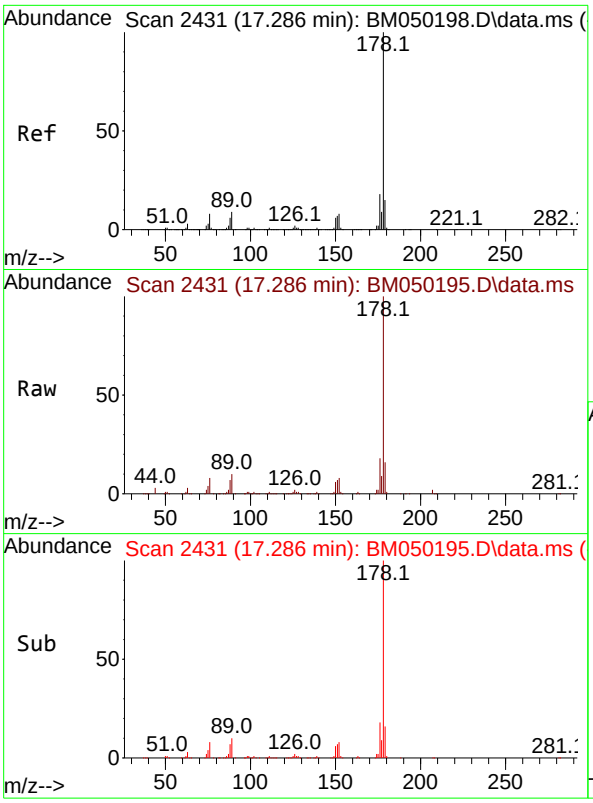


#71
Phenanthrene
Concen: 5.421 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:178 Resp: 316683

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.6	12.3	18.5

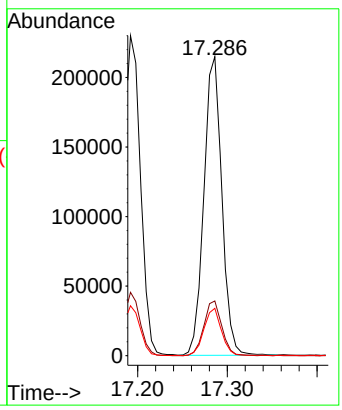




#72
Anthracene
Concen: 5.106 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:178 Resp: 29834

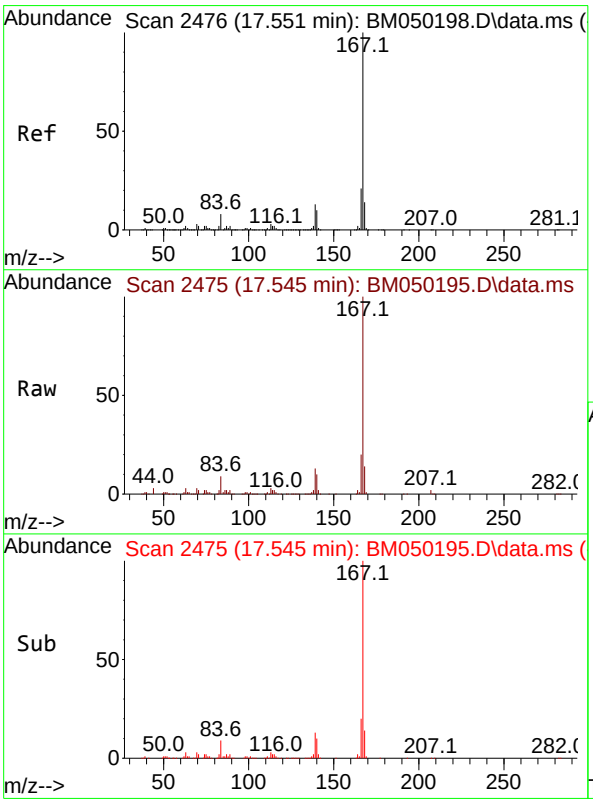
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.8	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

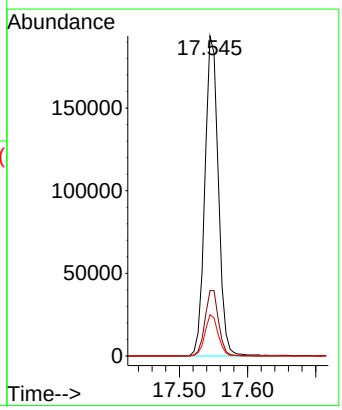
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

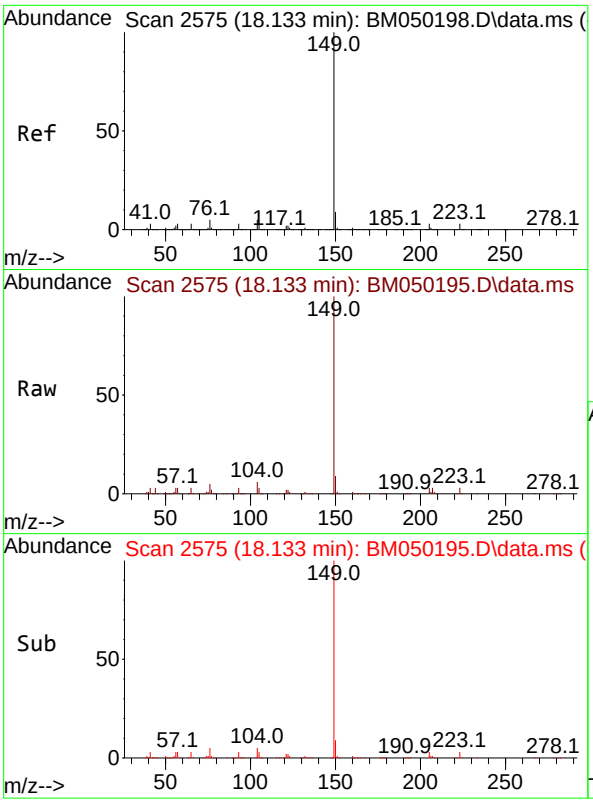


#73
Carbazole
Concen: 5.001 ng
RT: 17.545 min Scan# 2475
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:167 Resp: 266214

Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.0	25.6
139	12.9	10.2	15.4

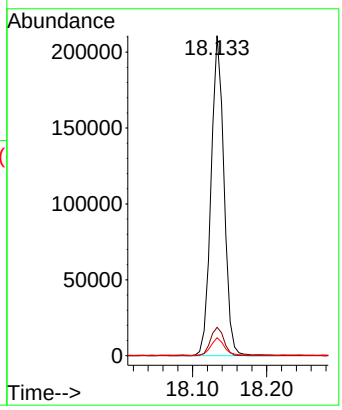




#74
Di-n-butylphthalate
Concen: 4.406 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:149 Resp: 25520

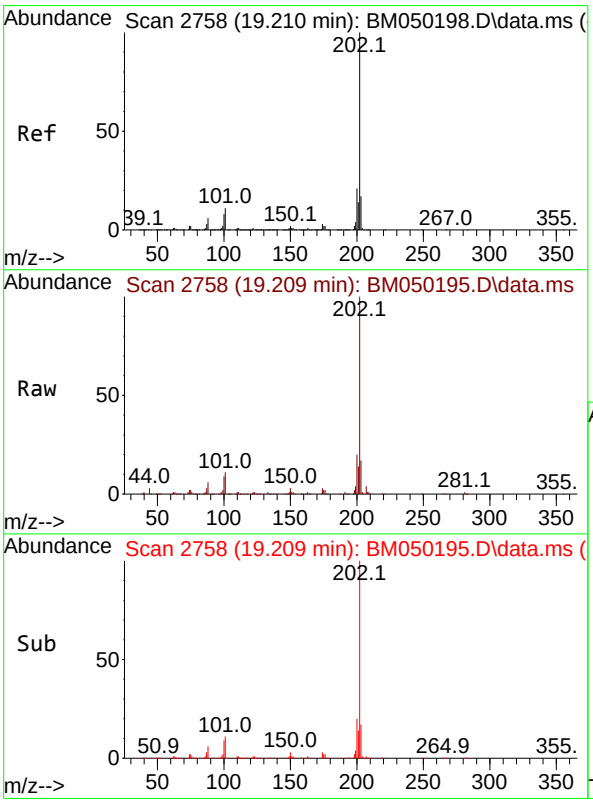
Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.6	4.0	6.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

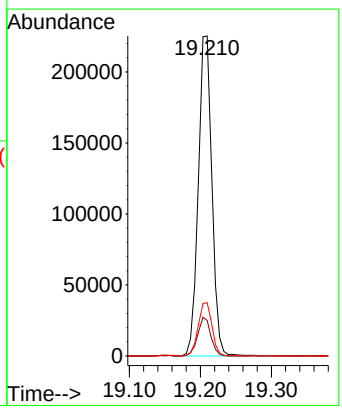
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

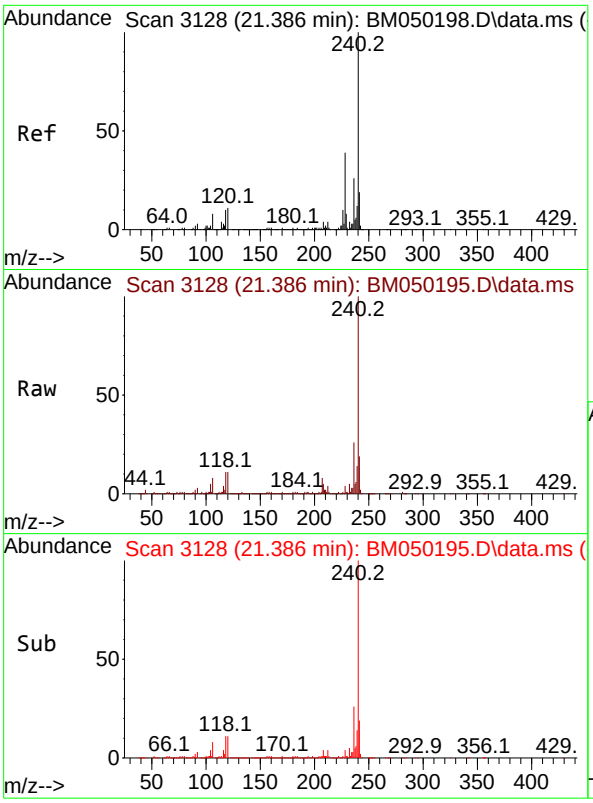


#75
Fluoranthene
Concen: 4.896 ng
RT: 19.209 min Scan# 2758
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:202 Resp: 301599

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	16.7	0.0	37.0

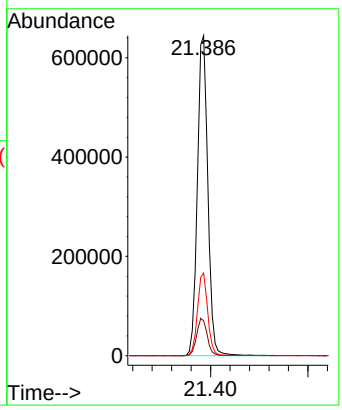




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:240 Resp: 96460

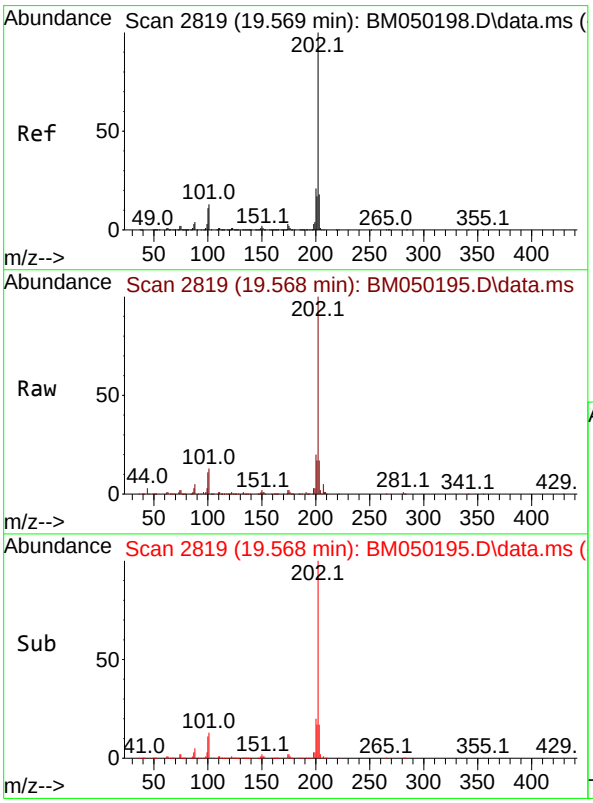
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.8	20.7	31.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

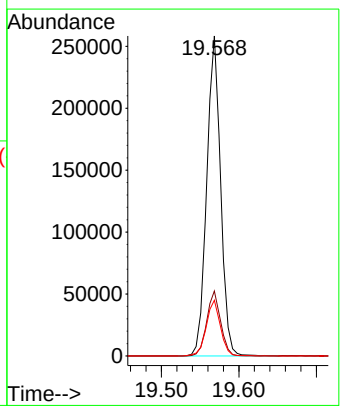
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

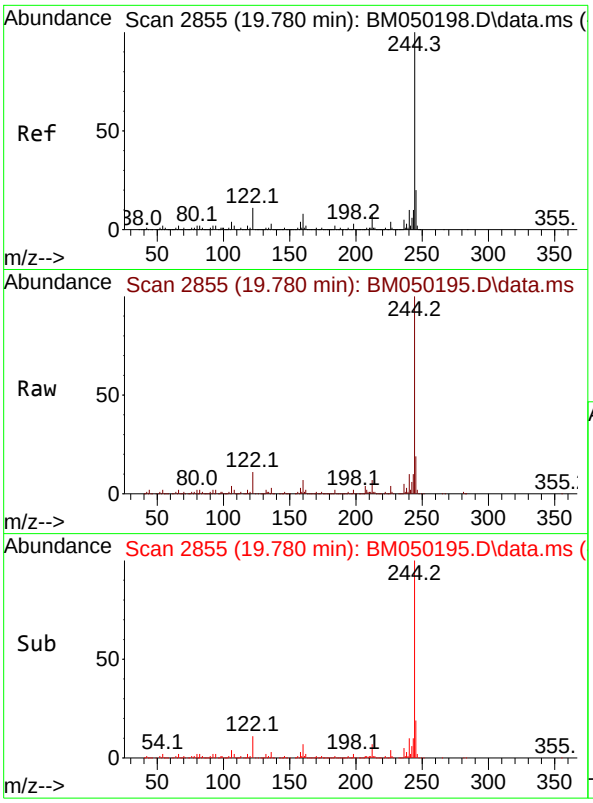


#78
Pyrene
Concen: 4.936 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:202 Resp: 320928

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	17.4	14.1	21.1

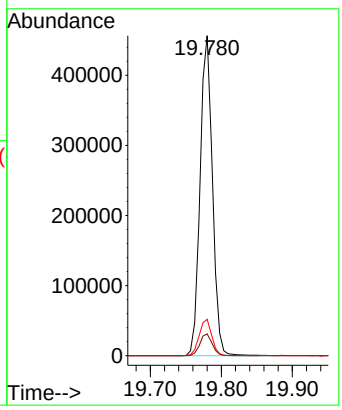




#79
Terphenyl-d14
Concen: 10.873 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:244 Resp: 55347

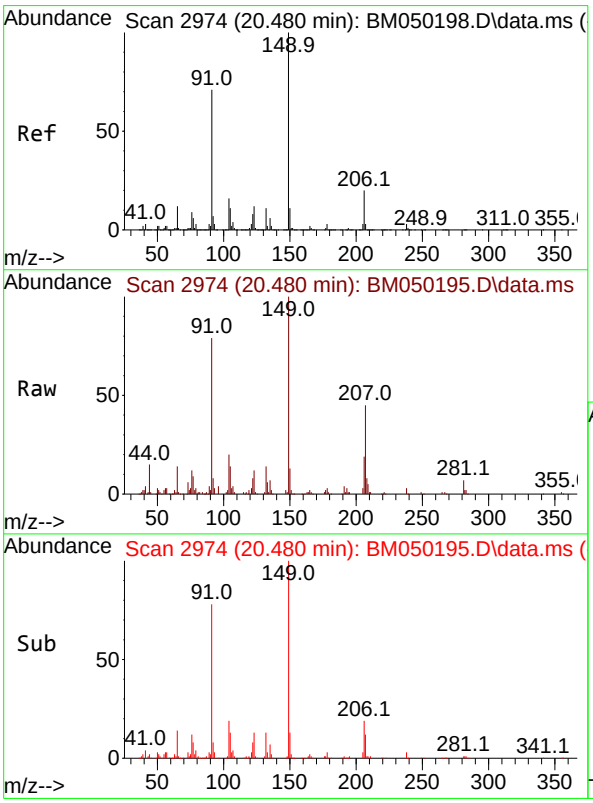
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	11.4	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

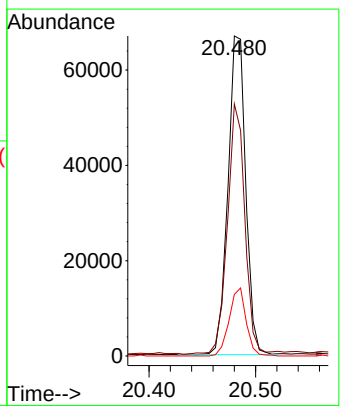
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

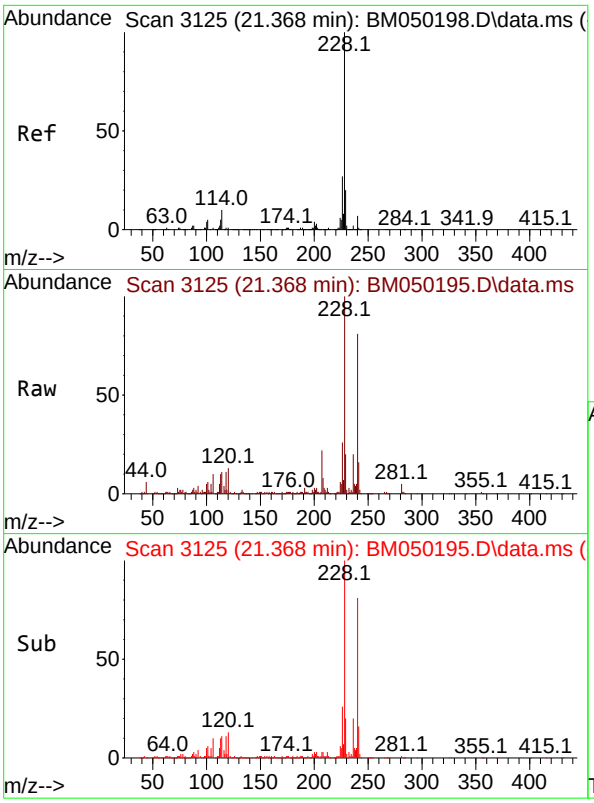


#80
Butylbenzylphthalate
Concen: 3.581 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:149 Resp: 77663

Ion	Ratio	Lower	Upper
149	100		
91	78.8	56.9	85.3
206	19.3	16.1	24.1

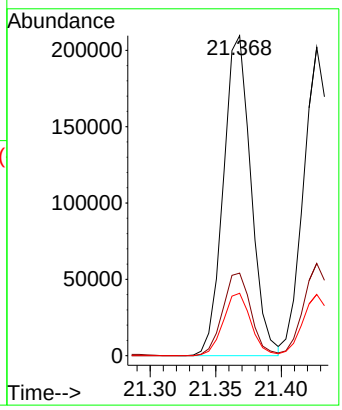




#81
Benzo(a)anthracene
Concen: 5.022 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:228 Resp: 30661

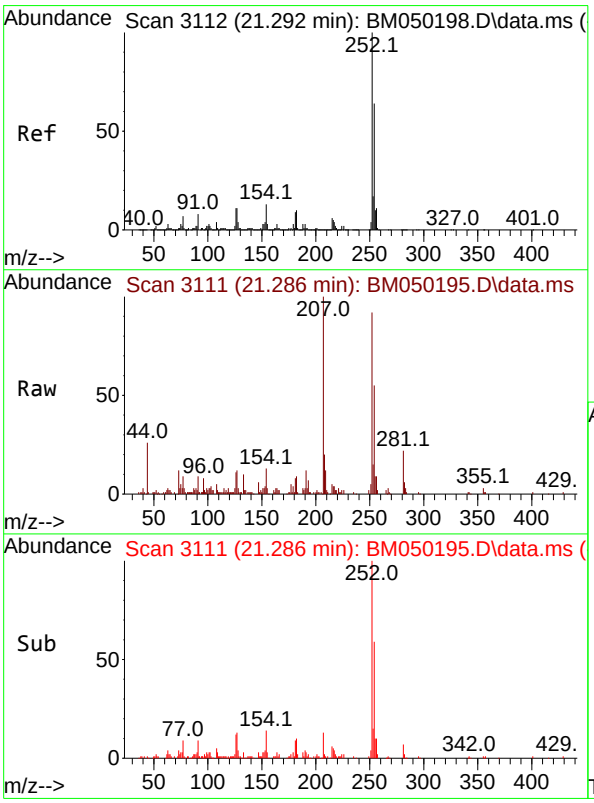
Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.7	32.5
229	19.5	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

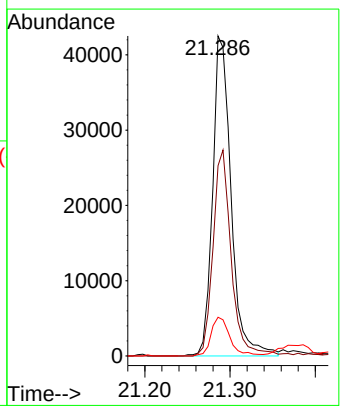
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

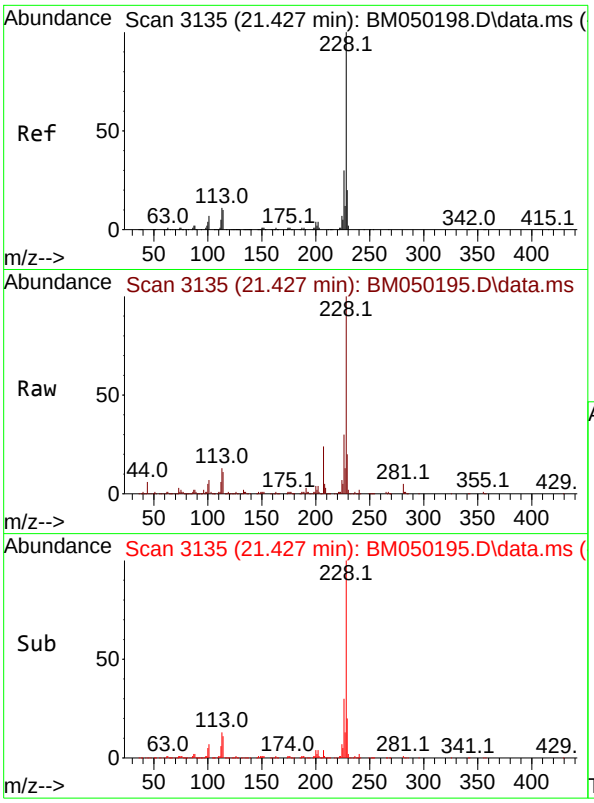


#82
3,3'-Dichlorobenzidine
Concen: 3.438 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:252 Resp: 64021

Ion	Ratio	Lower	Upper
252	100		
254	59.5	51.4	77.0
126	12.1	8.6	12.8

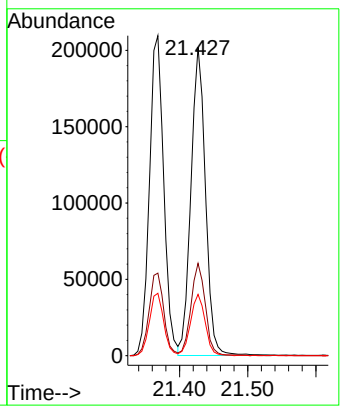




#83
Chrysene
Concen: 5.130 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:228 Resp: 29792

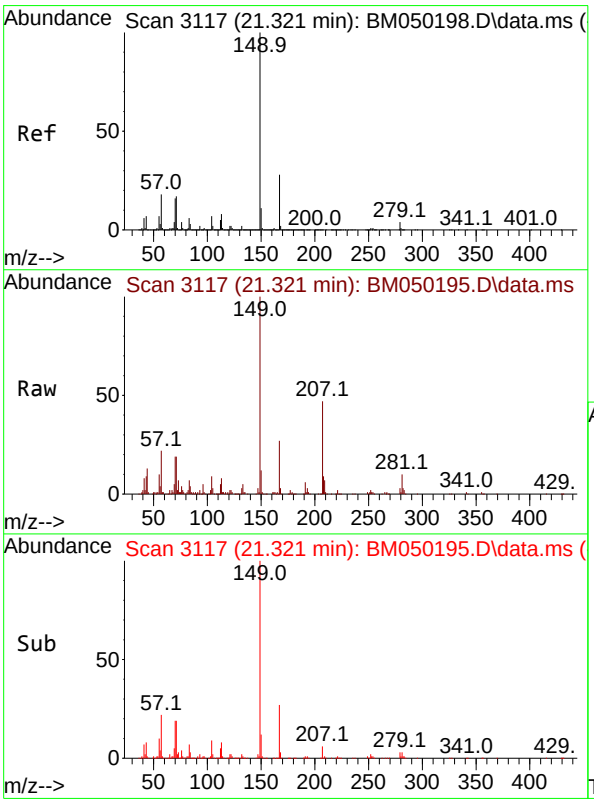
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.9	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

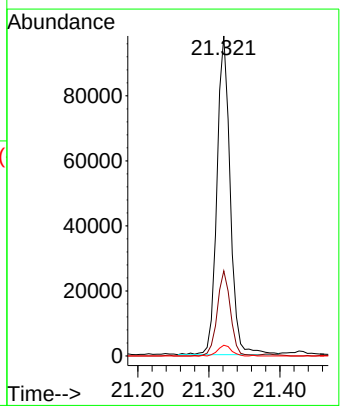
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

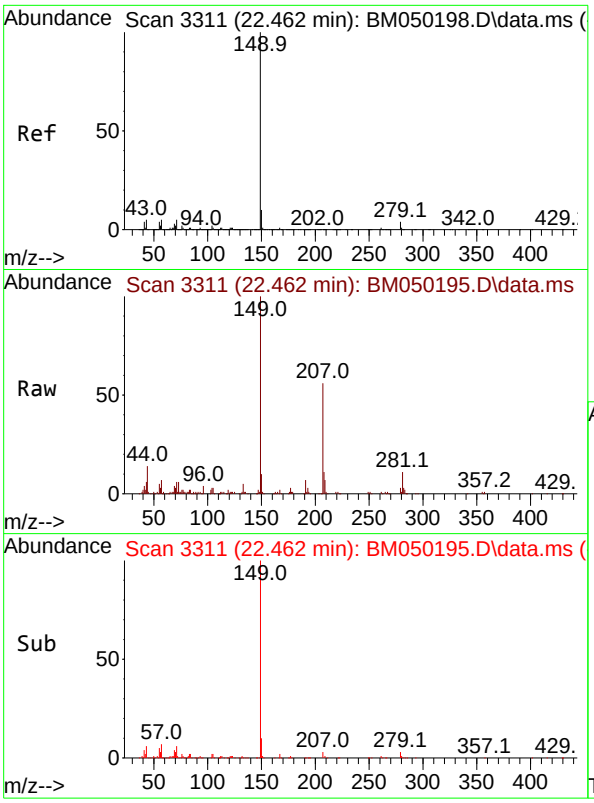


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.791 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:149 Resp: 126652

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.3	33.5
279	3.3	3.5	5.3#

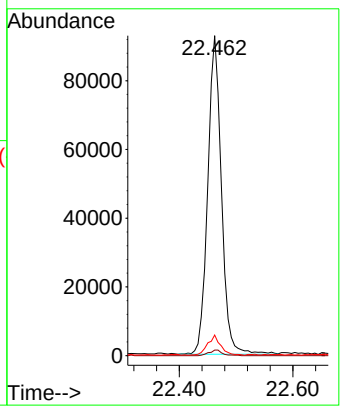




#85
Di-n-octyl phthalate
Concen: 3.120 ng
RT: 22.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:149 Resp: 15466

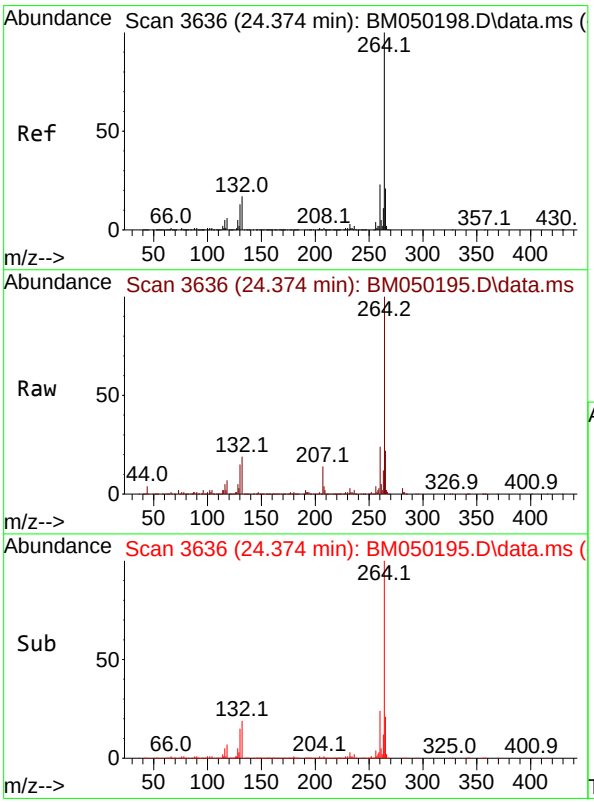
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	5.9	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

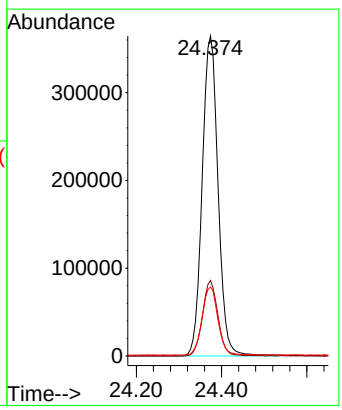
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

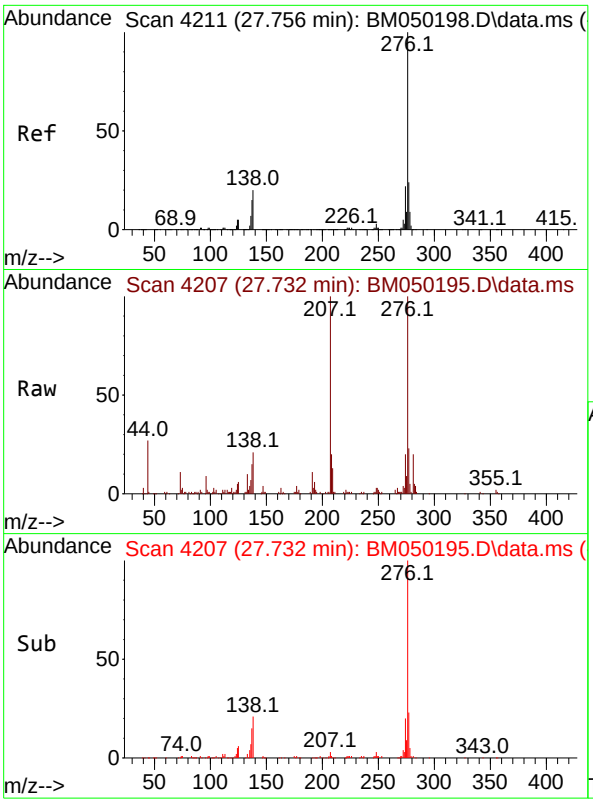


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:264 Resp: 941239

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.6	16.8	25.2

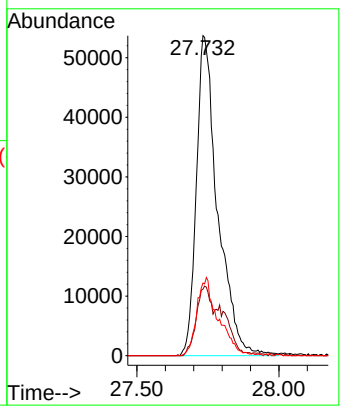




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.616 ng
RT: 27.732 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:276 Resp: 27973

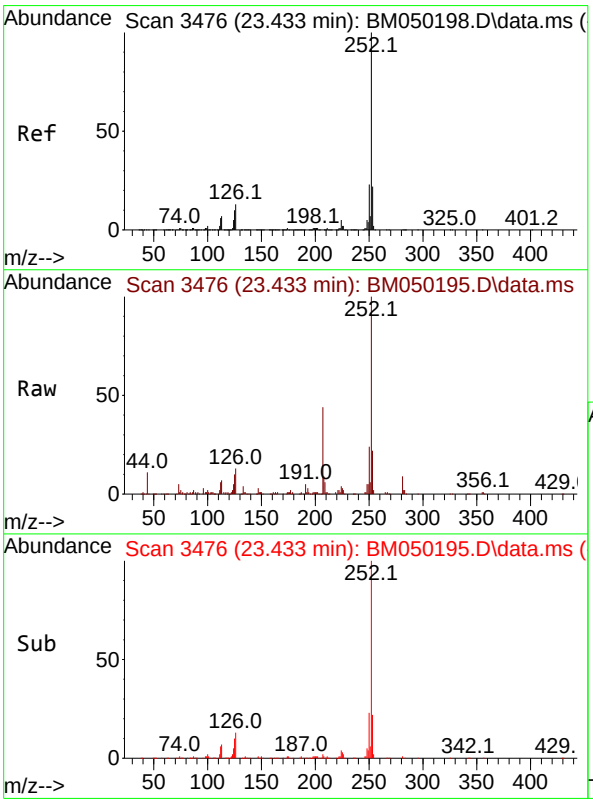
Ion	Ratio	Lower	Upper
276	100		
138	16.0	20.6	30.8#
277	24.6	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

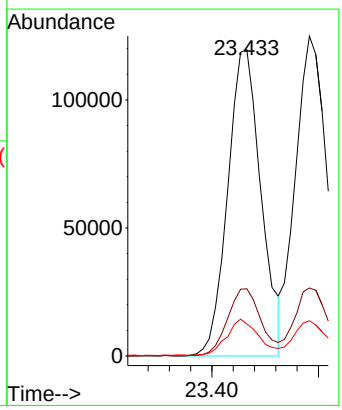
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

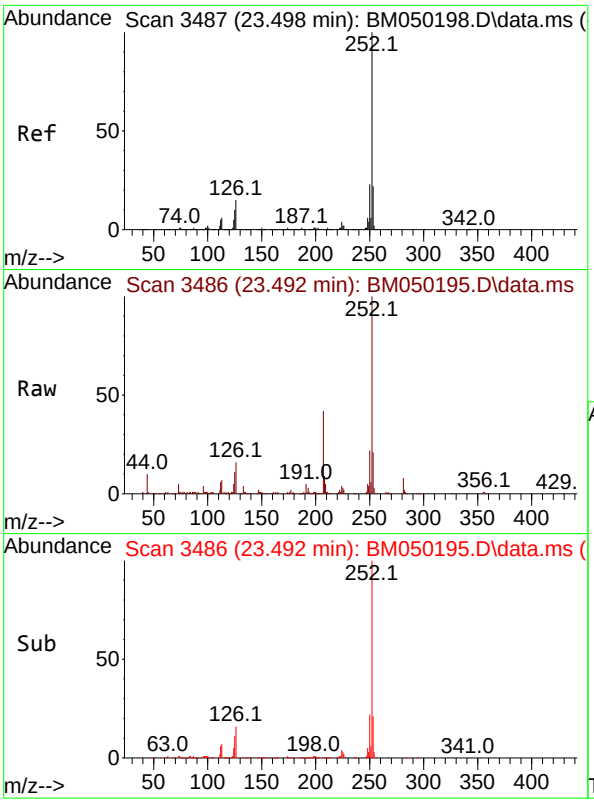


#88
Benzo(b)fluoranthene
Concen: 4.748 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.000 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:252 Resp: 259803

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	10.5	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 4.808 ng
RT: 23.492 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

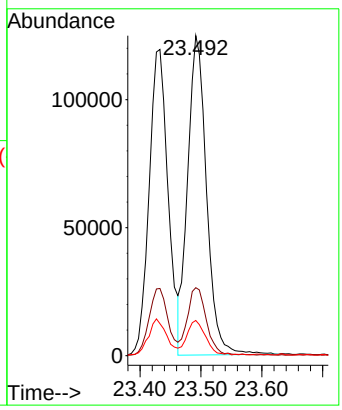
Tgt Ion:252 Resp: 26859

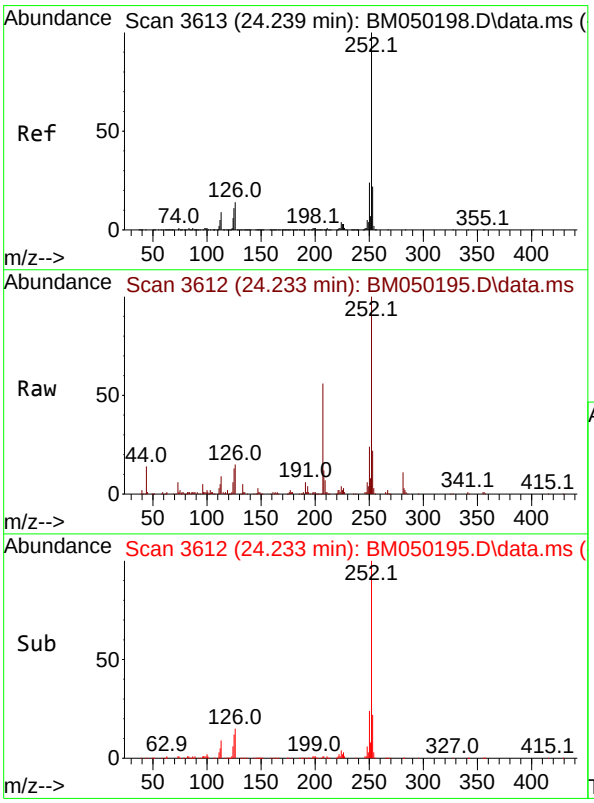
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	11.0	8.2	12.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

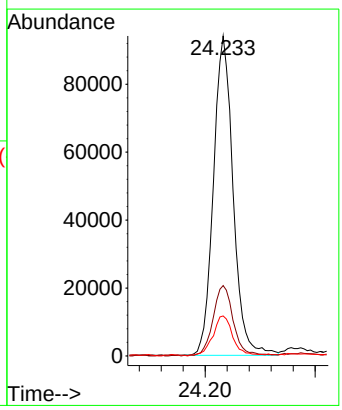


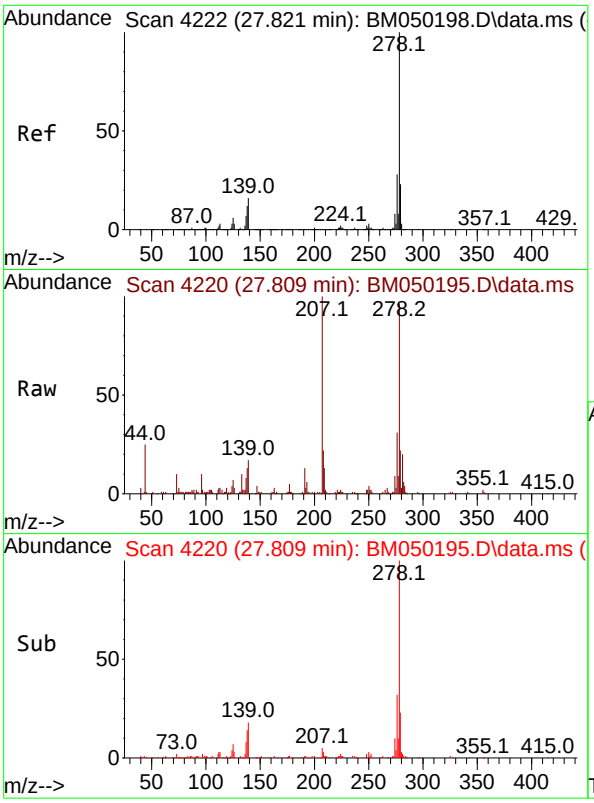


#90
Benzo(a)pyrene
Concen: 4.545 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.006 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:252 Resp: 233858

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.5	9.0	13.4

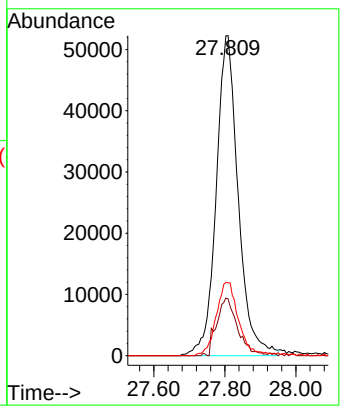




#91
Dibenzo(a,h)anthracene
Concen: 4.561 ng
RT: 27.809 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:278 Resp: 22437

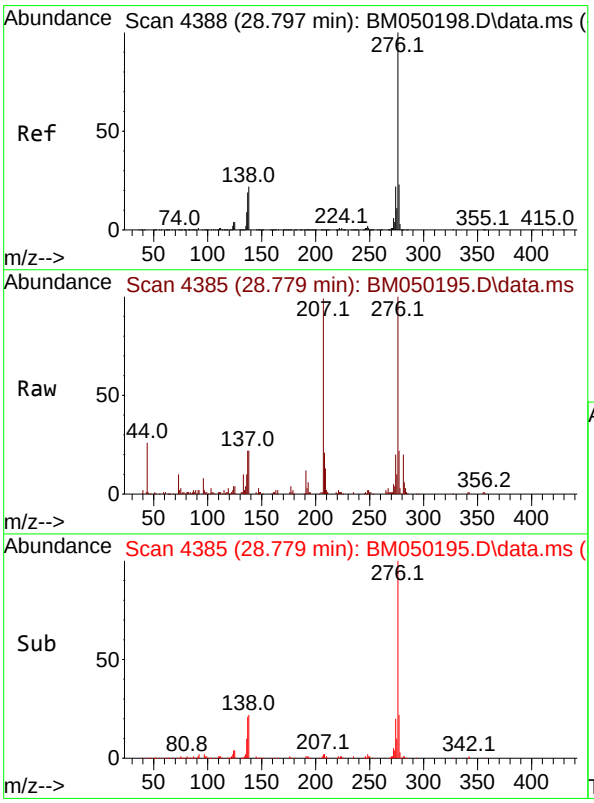
Ion	Ratio	Lower	Upper
278	100		
139	17.8	12.8	19.2
279	22.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

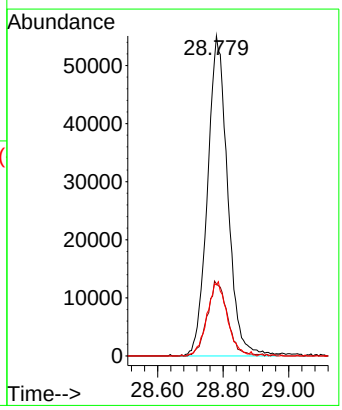
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#92
Benzo(g,h,i)perylene
Concen: 4.789 ng
RT: 28.779 min Scan# 4385
Delta R.T. -0.018 min
Lab File: BM050195.D
Acq: 05 Jun 2025 09:59

Tgt Ion:276 Resp: 235785

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	27.8
138	22.2	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	257321	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1031213	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	597701	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1092132	20.000	ng		0.00
76) Chrysene-d12	21.386	240	1044209	20.000	ng		0.00
86) Perylene-d12	24.374	264	1027174	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	306899	19.895	ng		0.00
7) Phenol-d6	6.946	99	391479	19.279	ng		0.00
23) Nitrobenzene-d5	8.934	82	373577	18.841	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	127081	18.693	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	918043	20.795	ng		0.00
79) Terphenyl-d14	19.780	244	1136477	20.625	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	71029	10.505	ng		97
3) Pyridine	3.687	79	173970	9.935	ng		98
4) n-Nitrosodimethylamine	3.599	42	34098	9.417	ng	#	99
6) Aniline	7.110	93	259330	9.660	ng		99
8) 2-Chlorophenol	7.351	128	161982	9.547	ng		99
9) Benzaldehyde	6.928	77	139011	10.767	ng		99
10) Phenol	6.969	94	211509	9.844	ng		99
11) bis(2-Chloroethyl)ether	7.210	93	169669	9.818	ng		99
12) 1,3-Dichlorobenzene	7.681	146	188081	9.915	ng		98
13) 1,4-Dichlorobenzene	7.822	146	198637	10.065	ng		99
14) 1,2-Dichlorobenzene	8.140	146	187370	9.959	ng		99
15) Benzyl Alcohol	8.022	79	134400	9.280	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	122149	10.175	ng		97
17) 2-Methylphenol	8.222	107	134124	9.461	ng		100
18) Hexachloroethane	8.869	117	70045	9.800	ng		98
19) n-Nitroso-di-n-propyla...	8.592	70	121867	9.807	ng		97
20) 3+4-Methylphenols	8.545	107	176847	9.324	ng		99
22) Acetophenone	8.604	105	260808	10.123	ng	#	98
24) Nitrobenzene	8.975	77	173945	9.646	ng		99
25) Isophorone	9.504	82	321944	9.407	ng		99
26) 2-Nitrophenol	9.687	139	64131	8.239	ng		96
27) 2,4-Dimethylphenol	9.751	122	153659	9.598	ng		99
28) bis(2-Chloroethoxy)met...	9.992	93	213076	9.531	ng		99
29) 2,4-Dichlorophenol	10.216	162	135013	9.122	ng		95
30) 1,2,4-Trichlorobenzene	10.439	180	158337	9.614	ng		99
31) Naphthalene	10.628	128	536516	10.063	ng		99
32) Benzoic acid	9.810	122	65412	6.508	ng		99
33) 4-Chloroaniline	10.728	127	218016	9.591	ng		99
34) Hexachlorobutadiene	10.922	225	94772	9.674	ng		98
35) Caprolactam	11.469	113	39590	8.437	ng		95
36) 4-Chloro-3-methylphenol	11.845	107	142482	9.022	ng		98
37) 2-Methylnaphthalene	12.239	142	305385	9.495	ng		97
38) 1-Methylnaphthalene	12.457	142	328309	9.617	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	167598	9.711	ng		98
41) Hexachlorocyclopentadiene	12.598	237	91203	8.701	ng		95
43) 2,4,6-Trichlorophenol	12.845	196	103556	9.124	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.910	196	114017	9.149	ng		98
46) 1,1'-Biphenyl	13.251	154	452133	10.102	ng		100
47) 2-Chloronaphthalene	13.286	162	356687	10.251	ng		99
48) 2-Nitroaniline	13.480	65	61491	8.031	ng		89
49) Acenaphthylene	14.133	152	548052	9.738	ng		99
50) Dimethylphthalate	13.874	163	384143	9.503	ng		99
51) 2,6-Dinitrotoluene	13.980	165	69112	8.478	ng		95
52) Acenaphthene	14.480	154	351485	9.985	ng		99
53) 3-Nitroaniline	14.304	138	75418	8.301	ng		97
54) 2,4-Dinitrophenol	14.510	184	27888	10.741	ng		98
55) Dibenzofuran	14.816	168	511101	9.925	ng		98
56) 4-Nitrophenol	14.604	139	64450	8.335	ng		99
57) 2,4-Dinitrotoluene	14.763	165	84481	7.856	ng		91
58) Fluorene	15.463	166	405716	10.286	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	98715m	9.156	ng		
60) Diethylphthalate	15.239	149	380099	9.477	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	196034	10.283	ng		100
62) 4-Nitroaniline	15.463	138	70517	8.281	ng		97
63) Azobenzene	15.751	77	397398	9.913	ng		97
65) 4,6-Dinitro-2-methylph...	15.527	198	40699	6.823	ng		94
66) n-Nitrosodiphenylamine	15.668	169	341695	9.957	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	111429	9.568	ng		96
68) Hexachlorobenzene	16.463	284	130925	9.622	ng		99
69) Atrazine	16.621	200	96720	8.846	ng		98
70) Pentachlorophenol	16.798	266	75315	8.513	ng		100
71) Phenanthrene	17.192	178	630983	10.114	ng		99
72) Anthracene	17.286	178	619530	9.926	ng		99
73) Carbazole	17.551	167	547511	9.629	ng		100
74) Di-n-butylphthalate	18.133	149	549702	8.885	ng		99
75) Fluoranthene	19.204	202	622189	9.457	ng		98
77) Benzidine	19.392	184	199082	6.780	ng		99
78) Pyrene	19.568	202	682132	9.692	ng		99
80) Butylbenzylphthalate	20.480	149	181298	7.723	ng		96
81) Benzo(a)anthracene	21.368	228	642785	9.725	ng		98
82) 3,3'-Dichlorobenzidine	21.292	252	157266	7.803	ng		99
83) Chrysene	21.427	228	618398	9.836	ng		99
84) Bis(2-ethylhexyl)phtha...	21.321	149	299821	8.291	ng		96
85) Di-n-octyl phthalate	22.462	149	380681	7.094	ng		99
87) Indeno(1,2,3-cd)pyrene	27.738	276	607722	9.189	ng	#	92
88) Benzo(b)fluoranthene	23.433	252	555747	9.306	ng		98
89) Benzo(k)fluoranthene	23.497	252	589937	9.677	ng		99
90) Benzo(a)pyrene	24.233	252	517175	9.211	ng		99
91) Dibenzo(a,h)anthracene	27.809	278	496324	9.245	ng		98
92) Benzo(g,h,i)perylene	28.785	276	502232	9.347	ng		98

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

ICAL Form

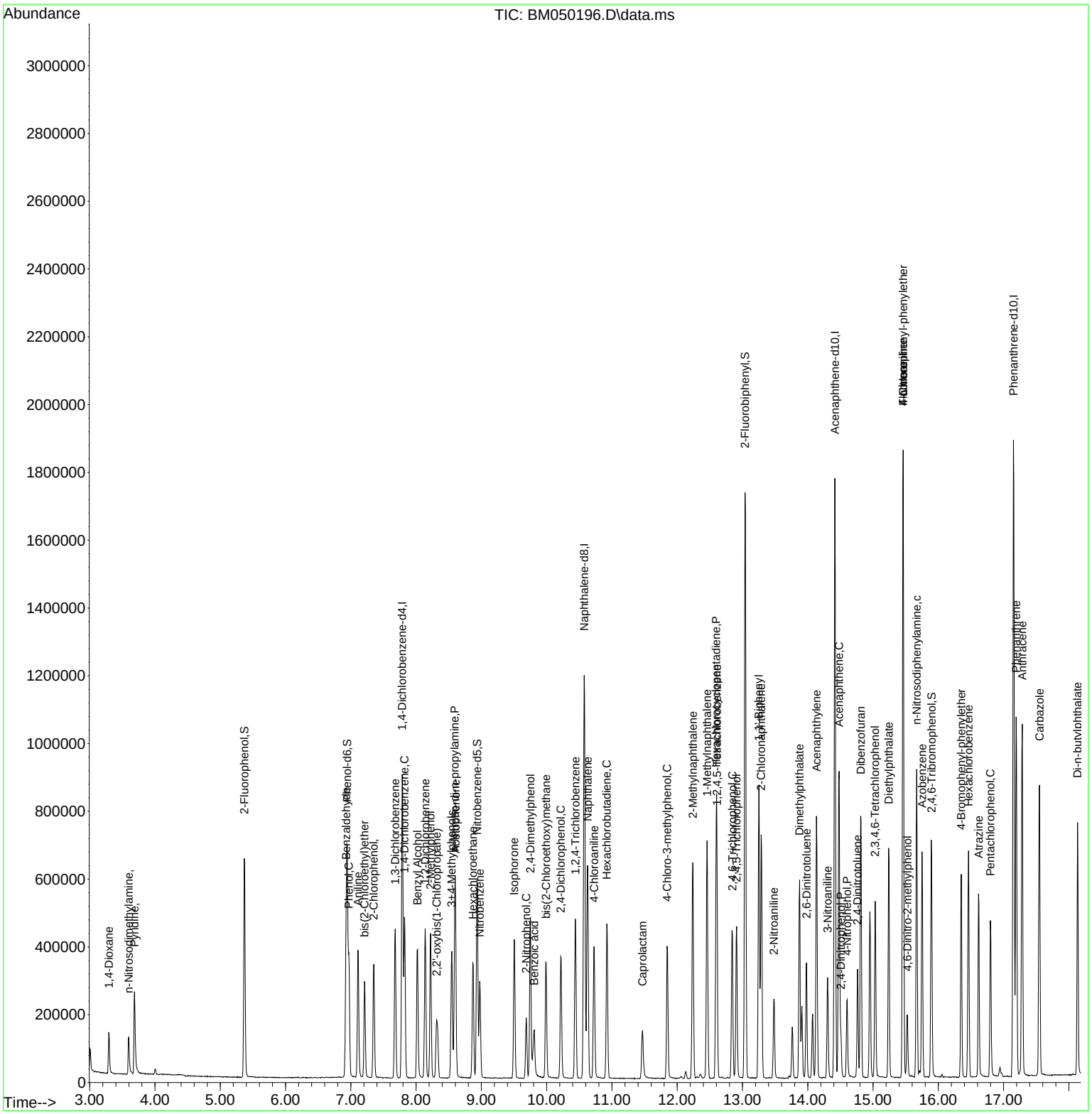
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



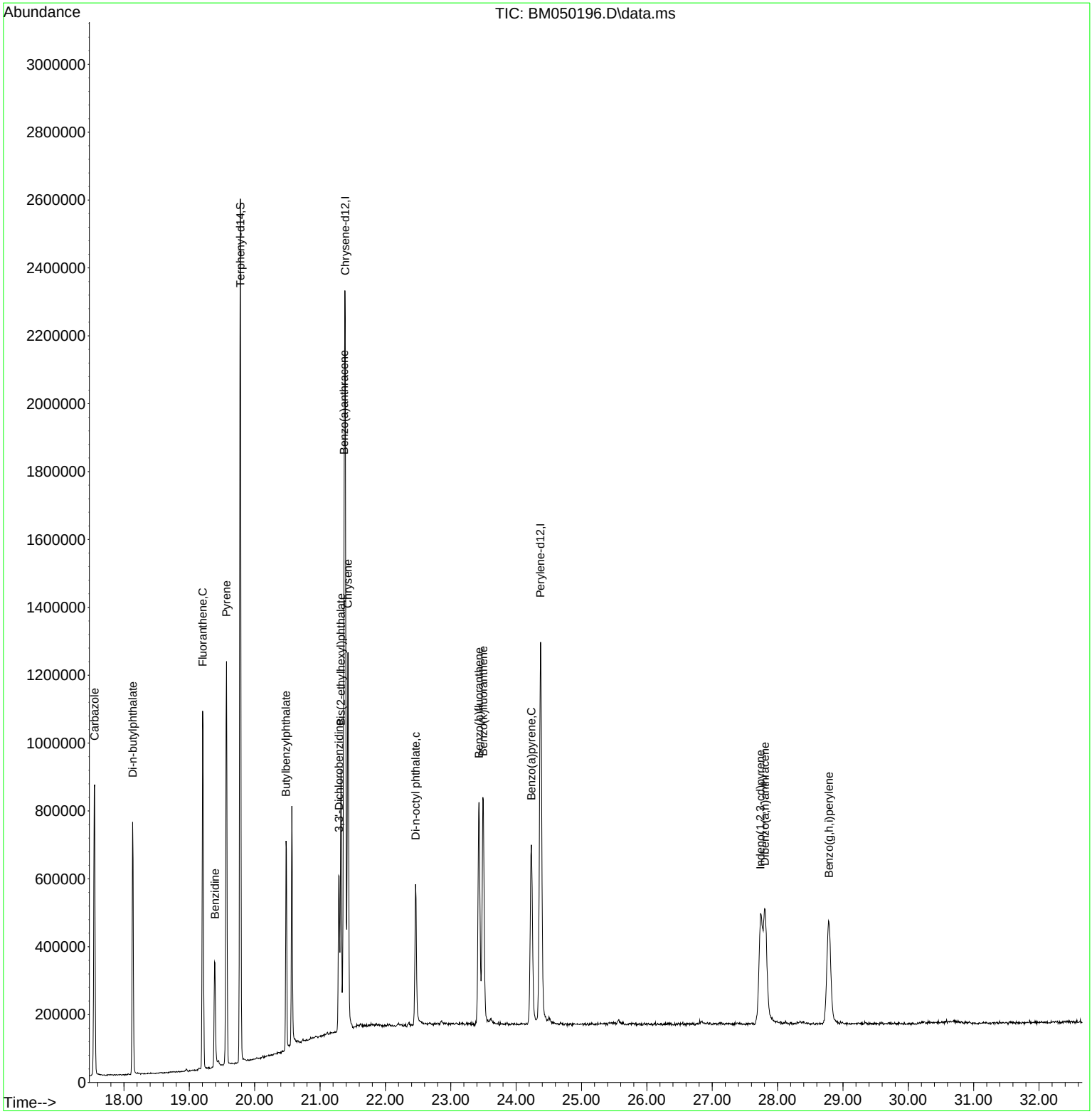
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

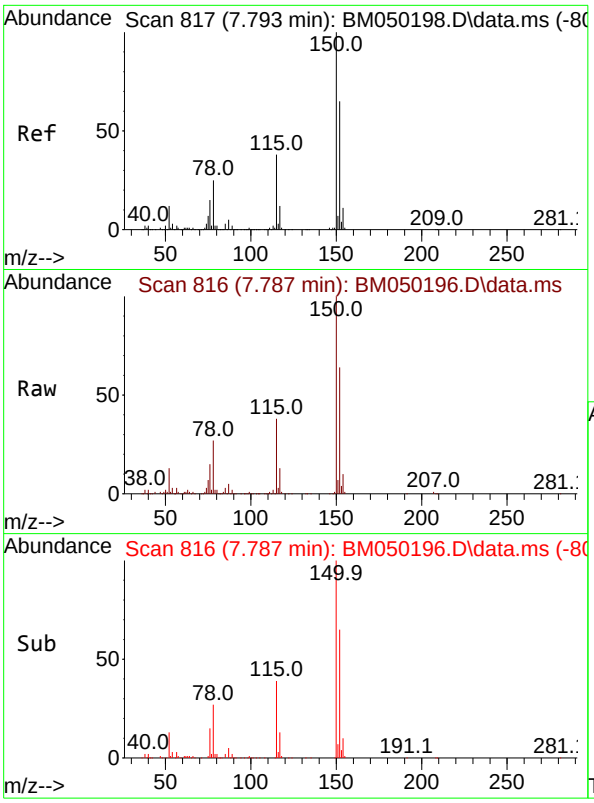
Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

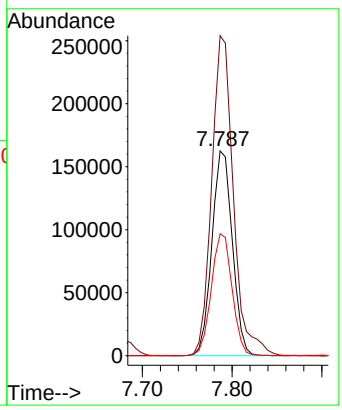




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:152 Resp: 25732

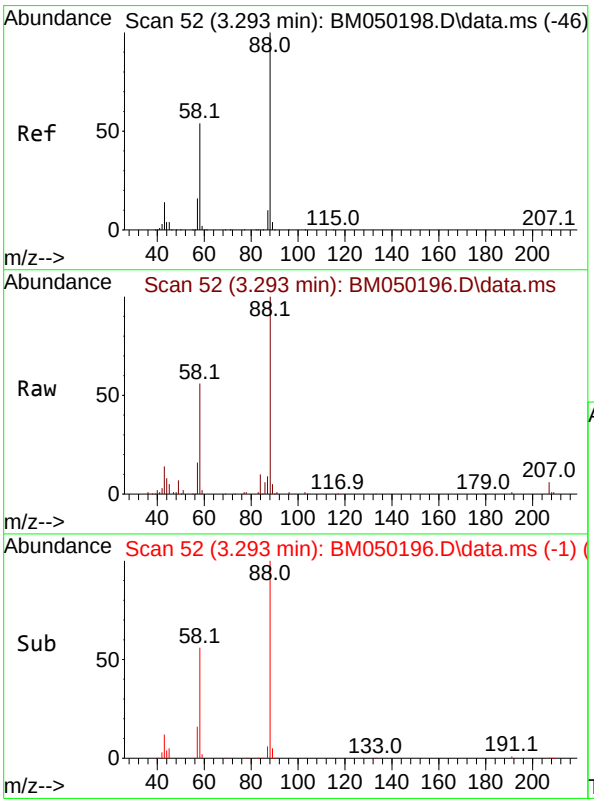
Ion	Ratio	Lower	Upper
152	100		
150	156.3	122.2	183.4
115	59.6	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

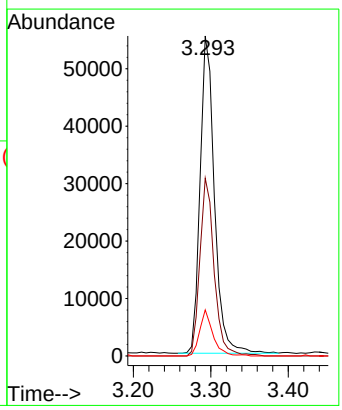
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

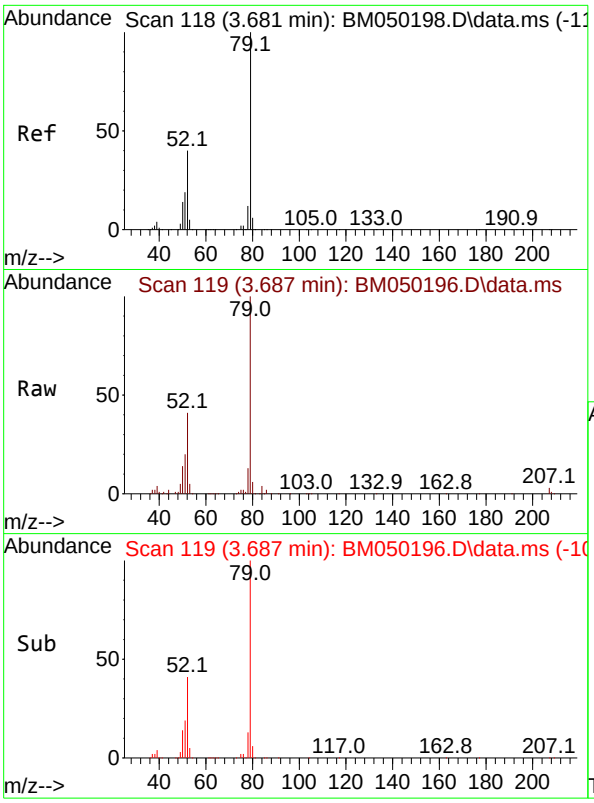


#2
1,4-Dioxane
Concen: 10.505 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 88 Resp: 71029

Ion	Ratio	Lower	Upper
88	100		
58	55.7	42.9	64.3
43	13.5	11.0	16.6

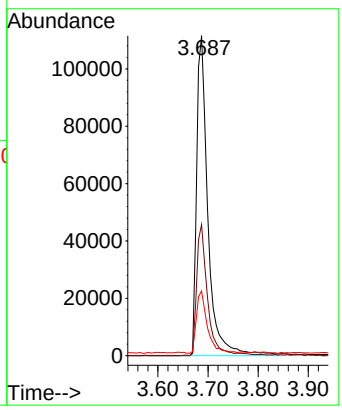




#3
Pyridine
Concen: 9.935 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 79 Resp: 17397

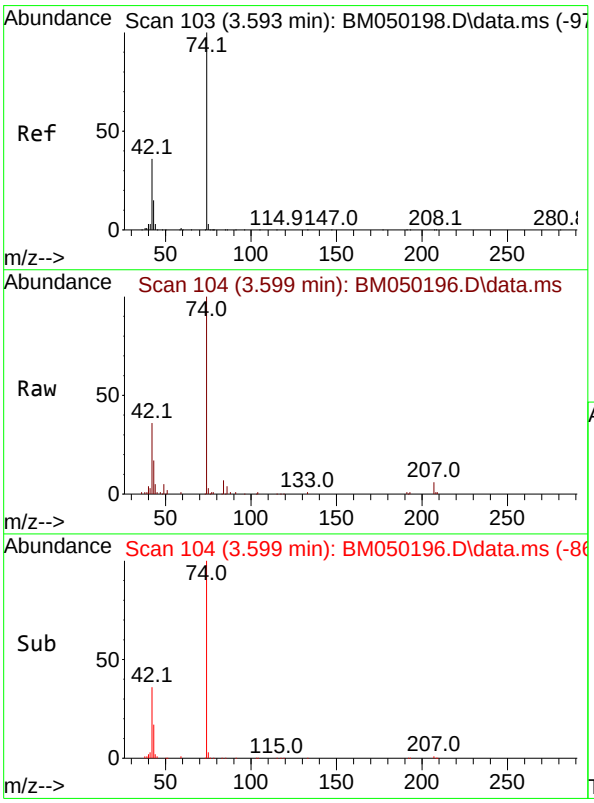
Ion	Ratio	Lower	Upper
79	100		
52	41.0	32.1	48.1
51	20.2	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

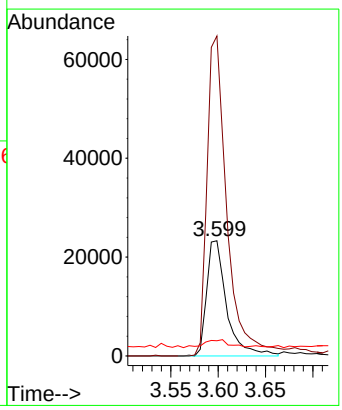
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

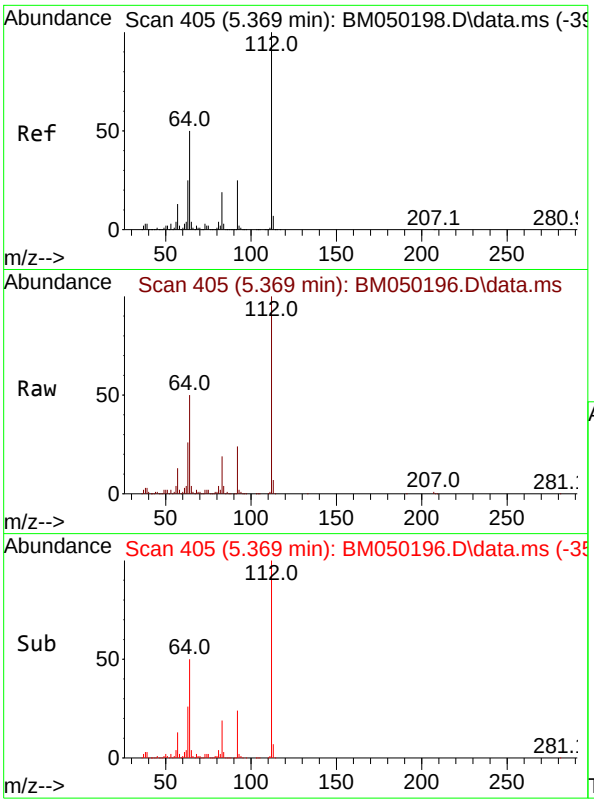


#4
n-Nitrosodimethylamine
Concen: 9.417 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 42 Resp: 34098

Ion	Ratio	Lower	Upper
42	100		
74	277.9	222.0	333.0
44	13.2	7.0	10.6#

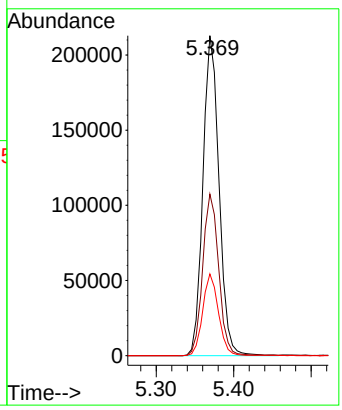




#5
2-Fluorophenol
Concen: 19.895 ng
RT: 5.369 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:112 Resp: 30689

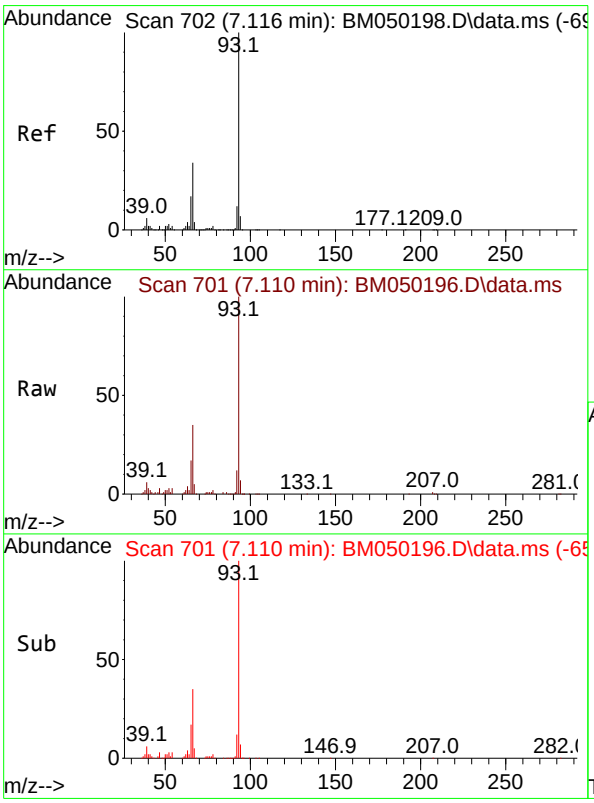
Ion	Ratio	Lower	Upper
112	100		
64	50.5	39.8	59.6
63	25.5	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

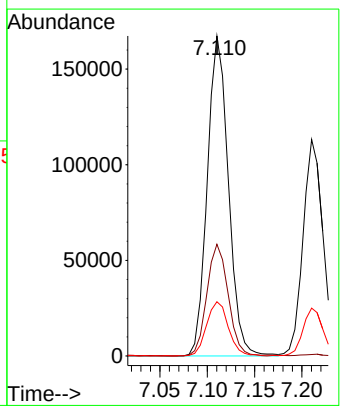
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

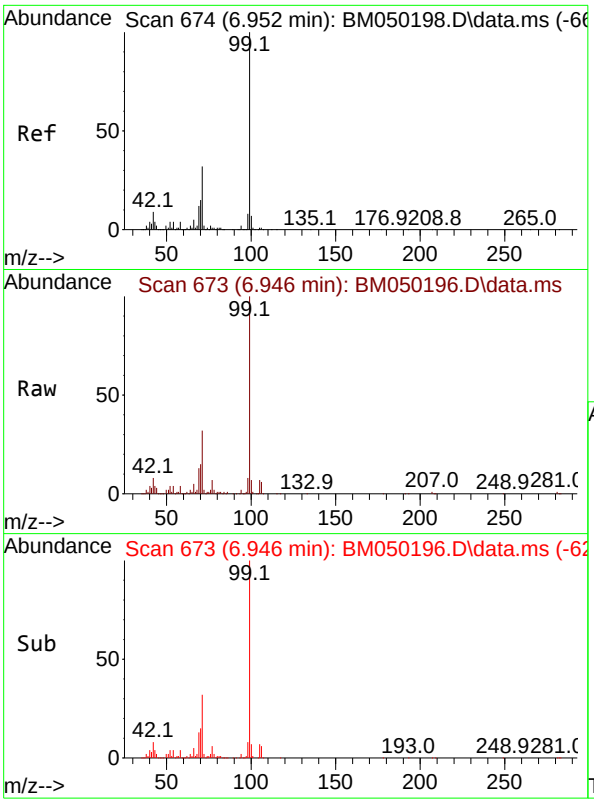


#6
Aniline
Concen: 9.660 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 93 Resp: 259330

Ion	Ratio	Lower	Upper
93	100		
66	34.9	27.4	41.2
65	17.0	13.6	20.4

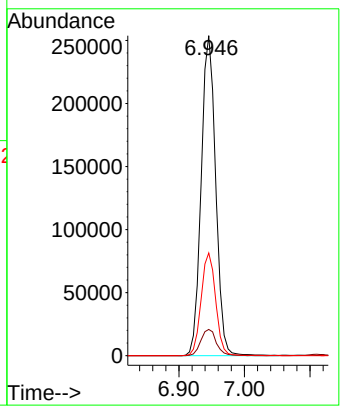




#7
Phenol-d6
Concen: 19.279 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 99 Resp: 39147

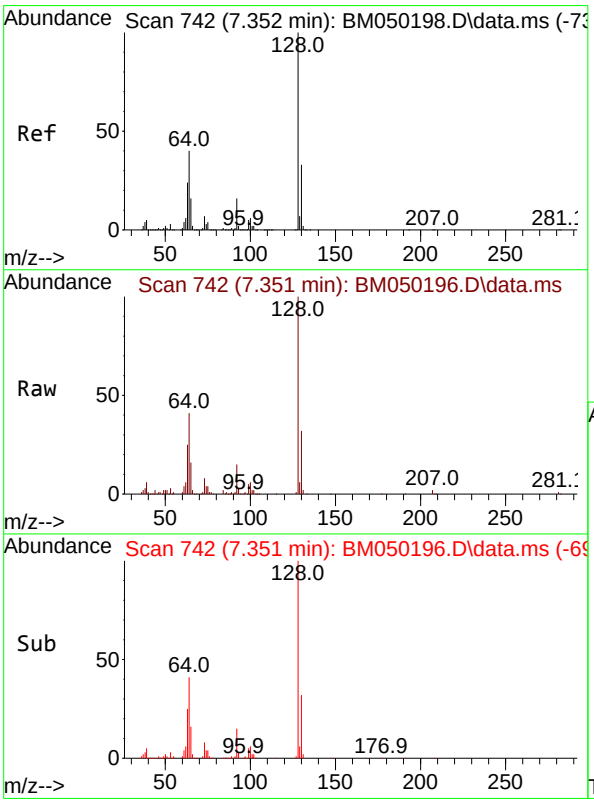
Ion	Ratio	Lower	Upper
99	100		
42	8.2	6.9	10.3
71	32.1	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

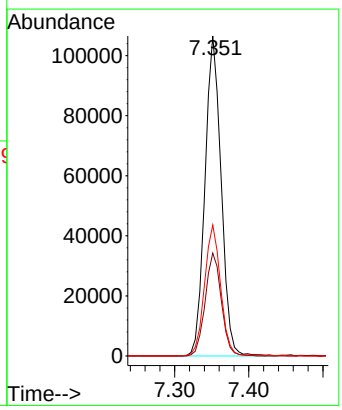
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

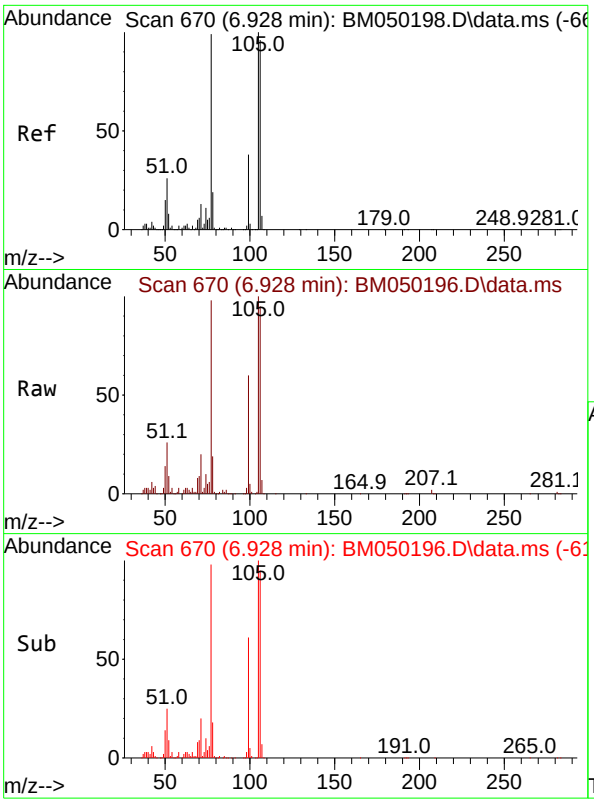


#8
2-Chlorophenol
Concen: 9.547 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:128 Resp: 161982

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	40.9	19.8	59.8

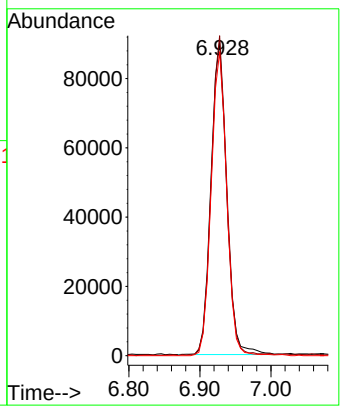




#9
Benzaldehyde
Concen: 10.767 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 77 Resp: 13901

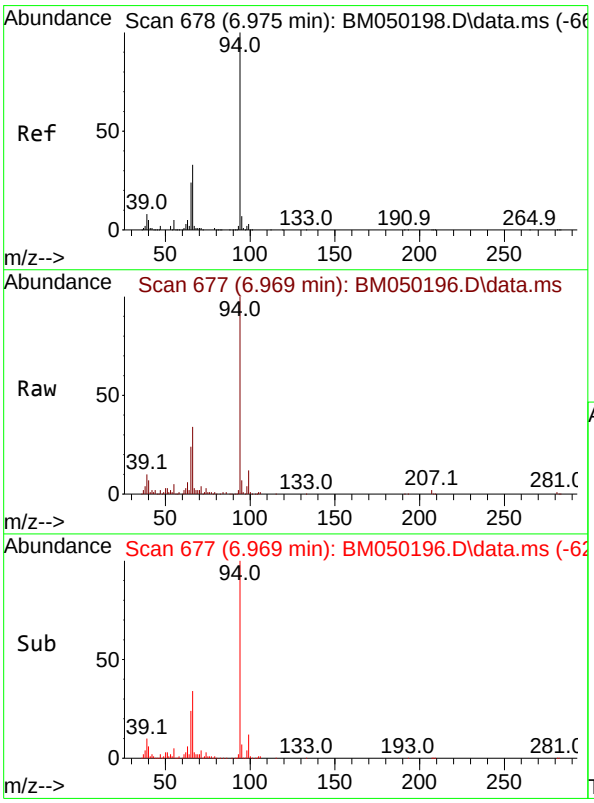
Ion	Ratio	Lower	Upper
77	100		
105	102.1	80.9	120.9
106	97.0	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

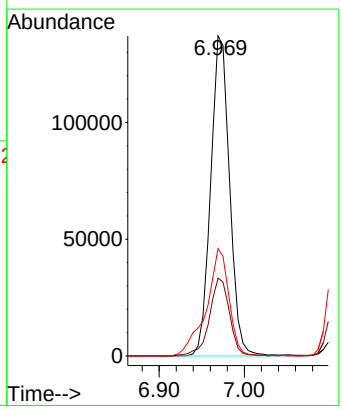
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

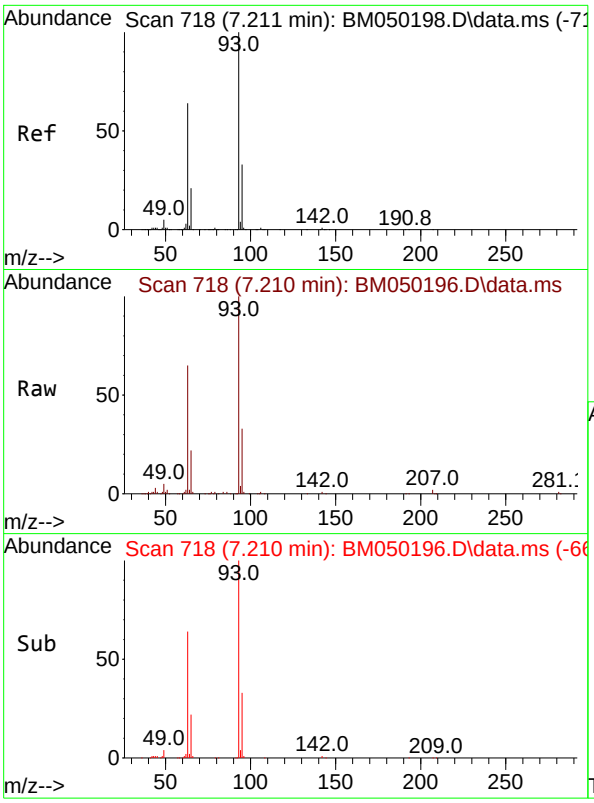


#10
Phenol
Concen: 9.844 ng
RT: 6.969 min Scan# 677
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 94 Resp: 211509

Ion	Ratio	Lower	Upper
94	100		
65	24.3	4.3	44.3
66	33.5	12.9	52.9

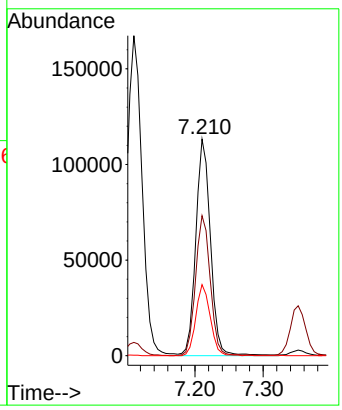




#11
bis(2-Chloroethyl)ether
Concen: 9.818 ng
RT: 7.210 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 93 Resp: 16966

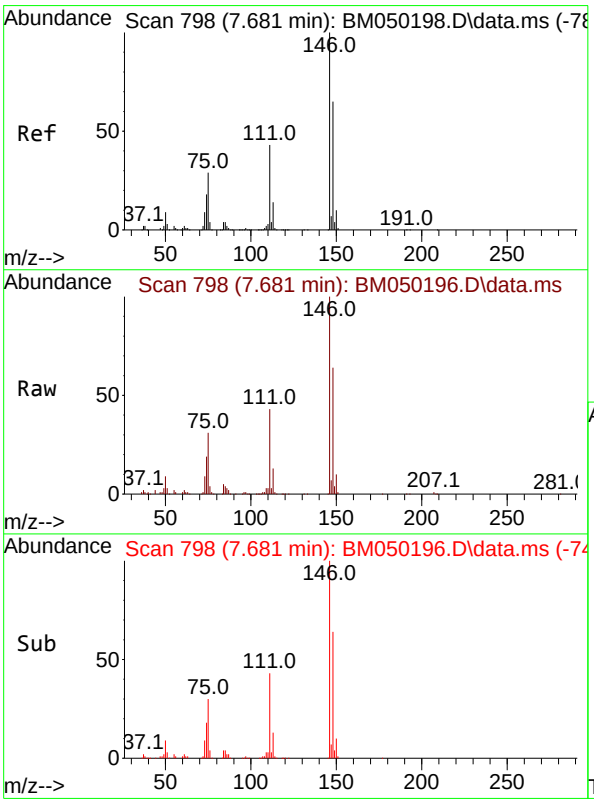
Ion	Ratio	Lower	Upper
93	100		
63	64.7	43.9	83.9
95	32.8	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

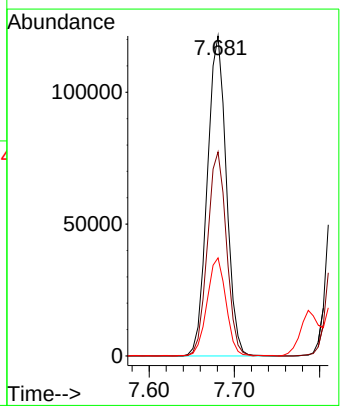
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

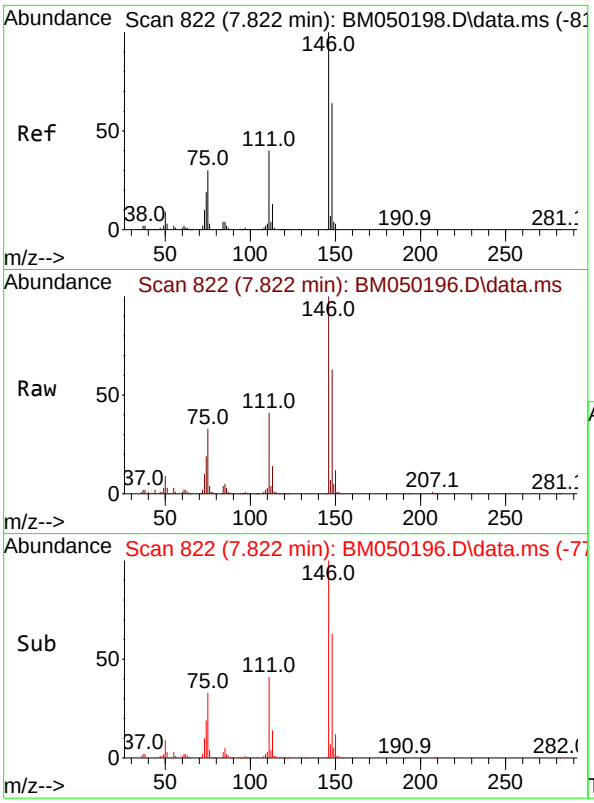


#12
1,3-Dichlorobenzene
Concen: 9.915 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:146 Resp: 188081

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
75	30.6	23.4	35.0

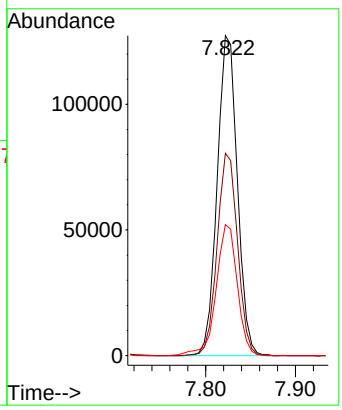




#13
1,4-Dichlorobenzene
Concen: 10.065 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:146 Resp: 19863

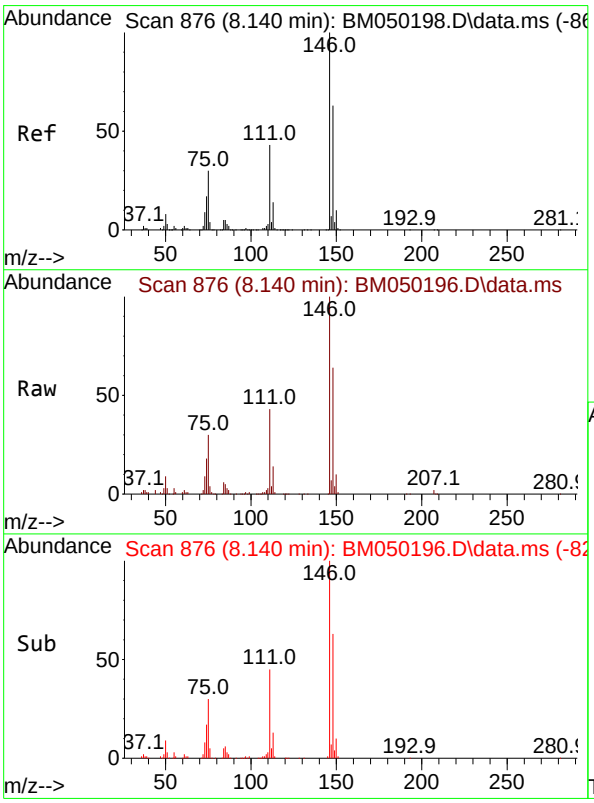
Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.0
111	41.0	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

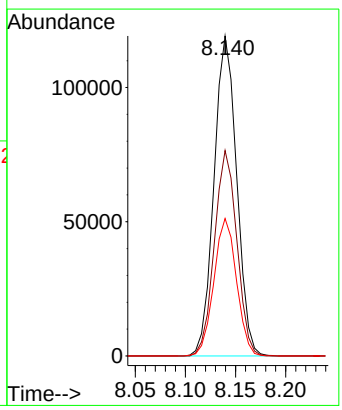
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

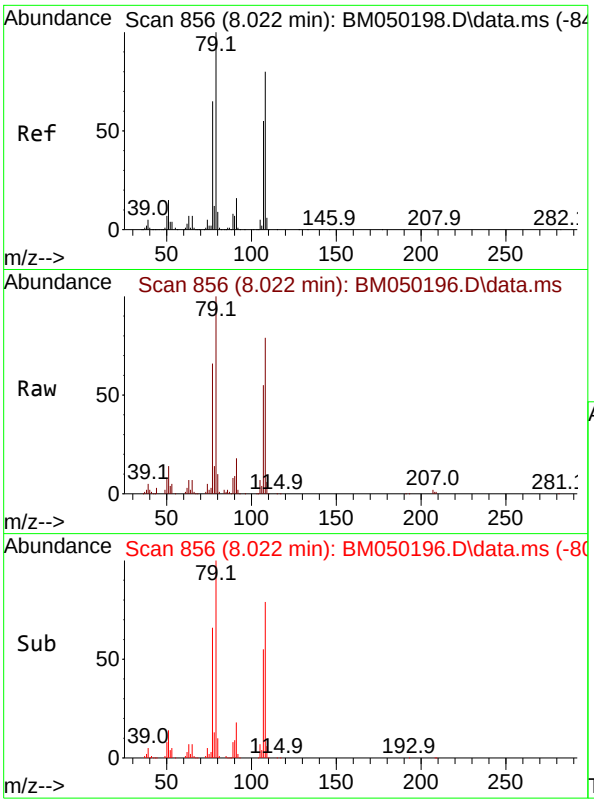


#14
1,2-Dichlorobenzene
Concen: 9.959 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:146 Resp: 187370

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
111	43.0	34.3	51.5

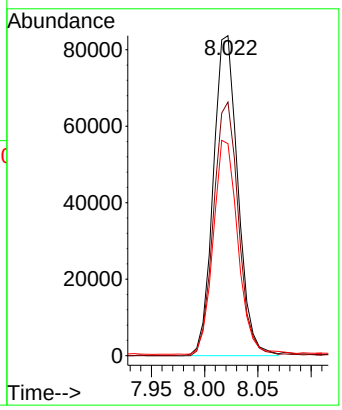




#15
Benzyl Alcohol
Concen: 9.280 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 79 Resp: 13440

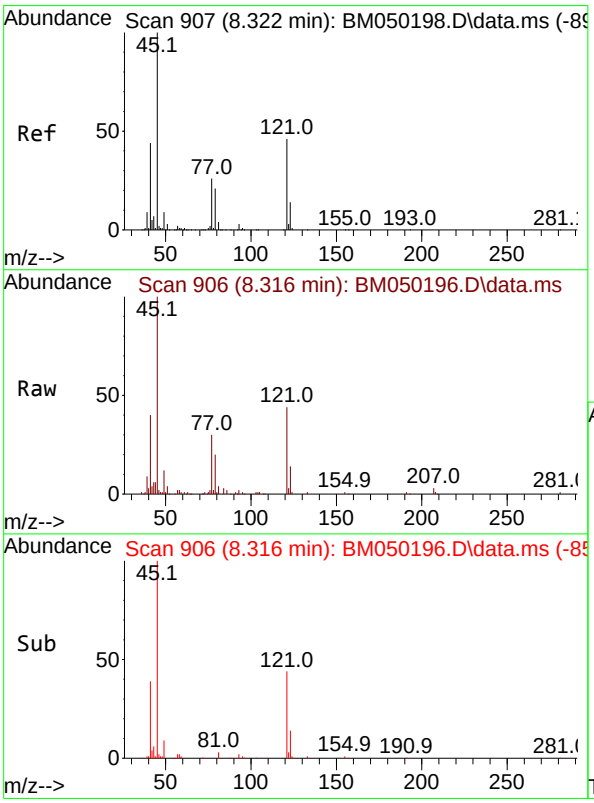
Ion	Ratio	Lower	Upper
79	100		
108	79.3	64.0	96.0
77	66.3	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

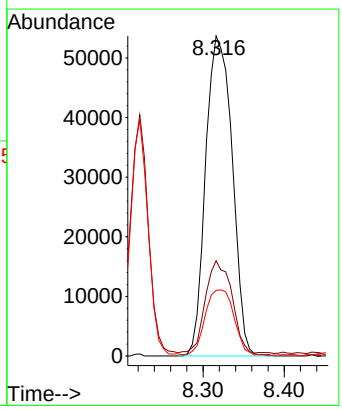
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

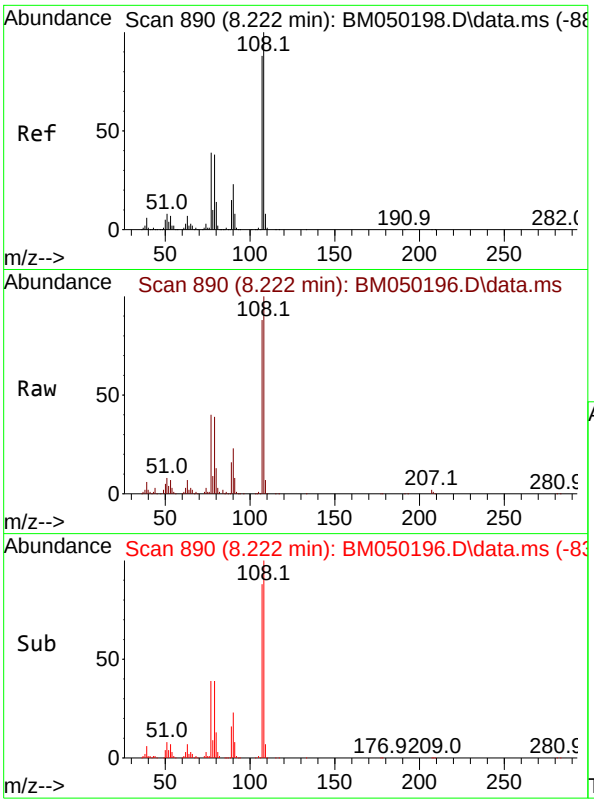


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.175 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 45 Resp: 122149

Ion	Ratio	Lower	Upper
45	100		
77	29.8	8.7	48.7
79	20.5	2.7	42.7

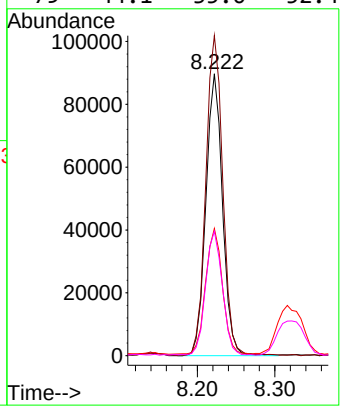




#17
2-Methylphenol
Concen: 9.461 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:107 Resp: 13412

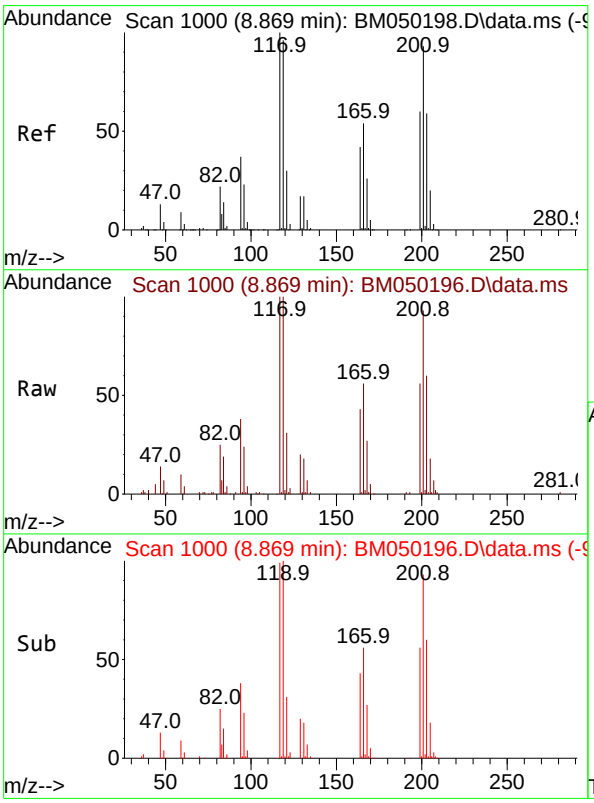
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.1	35.7	53.5
79	44.1	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

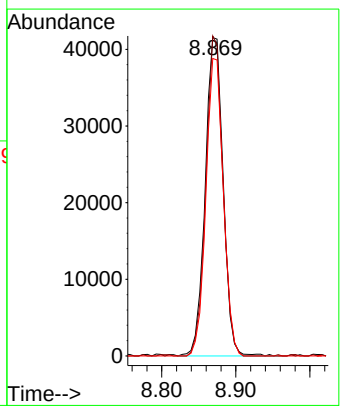
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

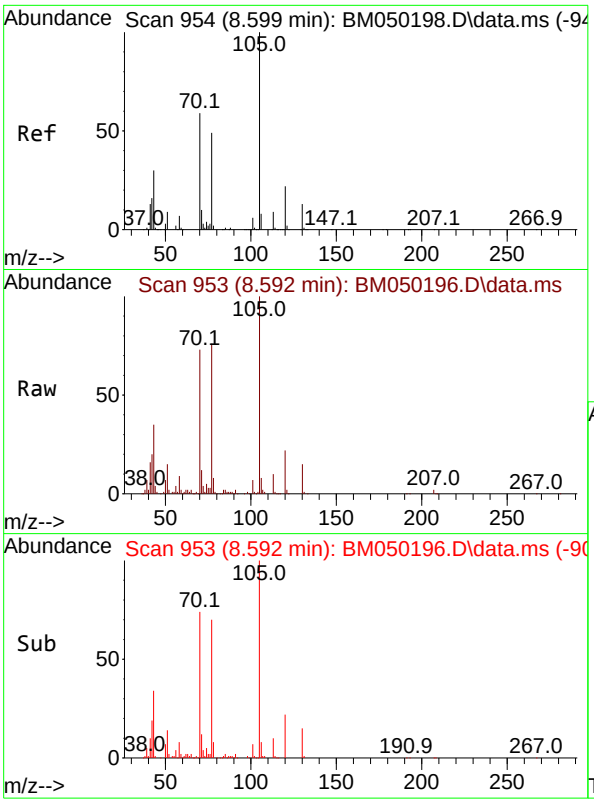


#18
Hexachloroethane
Concen: 9.800 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:117 Resp: 70045

Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.0	115.6
201	93.4	74.6	111.8

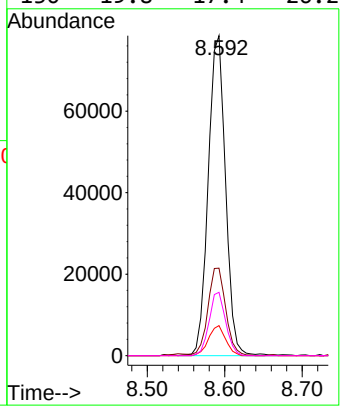




#19
n-Nitroso-di-n-propylamine
Concen: 9.807 ng
RT: 8.592 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 70 Resp: 12186

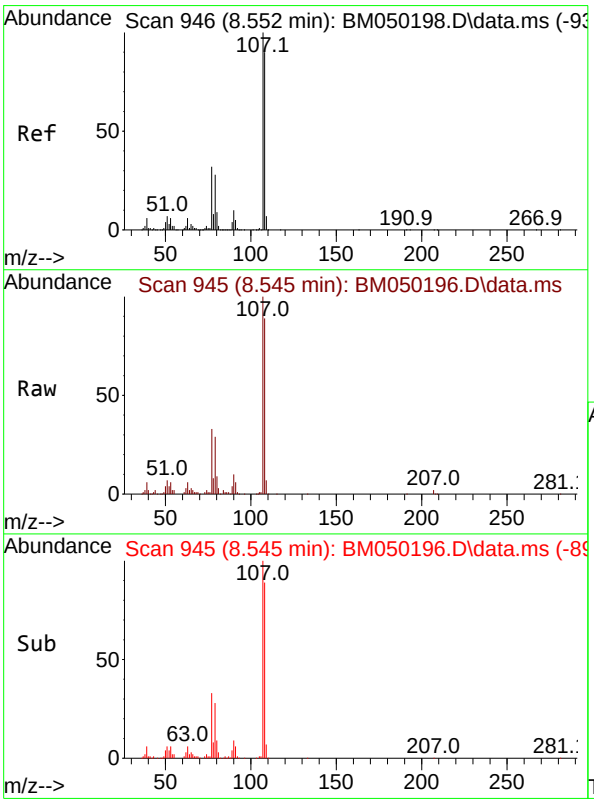
Ion	Ratio	Lower	Upper
70	100		
42	27.4	22.6	33.8
101	9.4	8.3	12.5
130	19.8	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

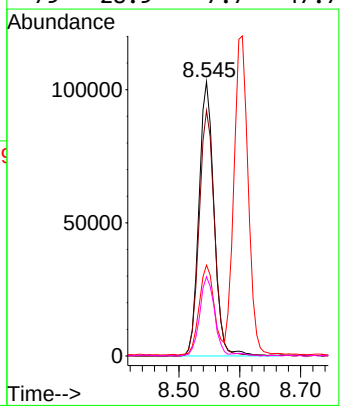
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

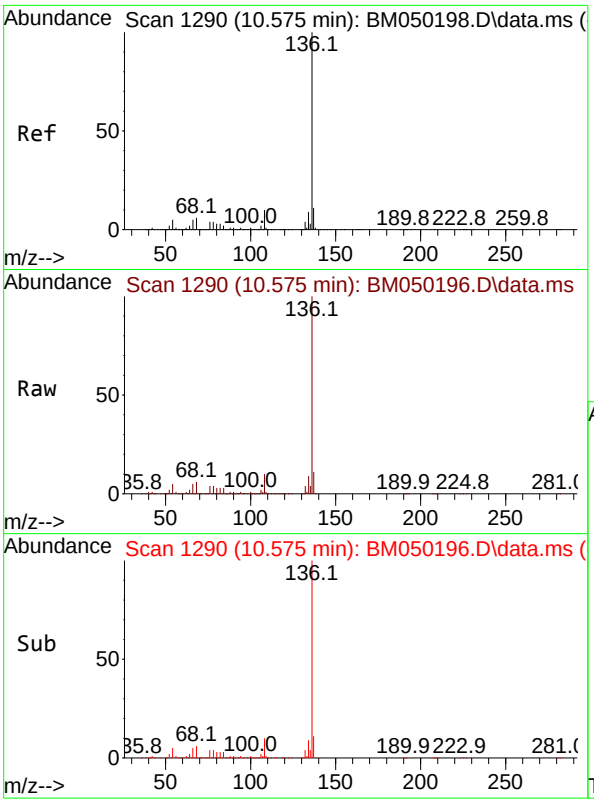


#20
3+4-Methylphenols
Concen: 9.324 ng
RT: 8.545 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:107 Resp: 176847

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.4	110.4
77	33.1	12.2	52.2
79	28.9	7.7	47.7

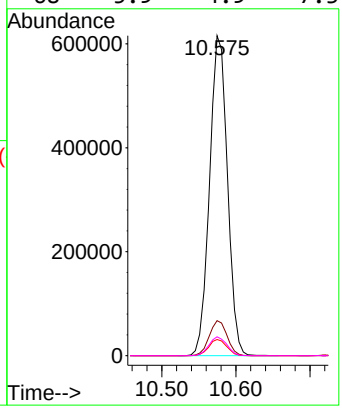




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:136 Resp: 103121

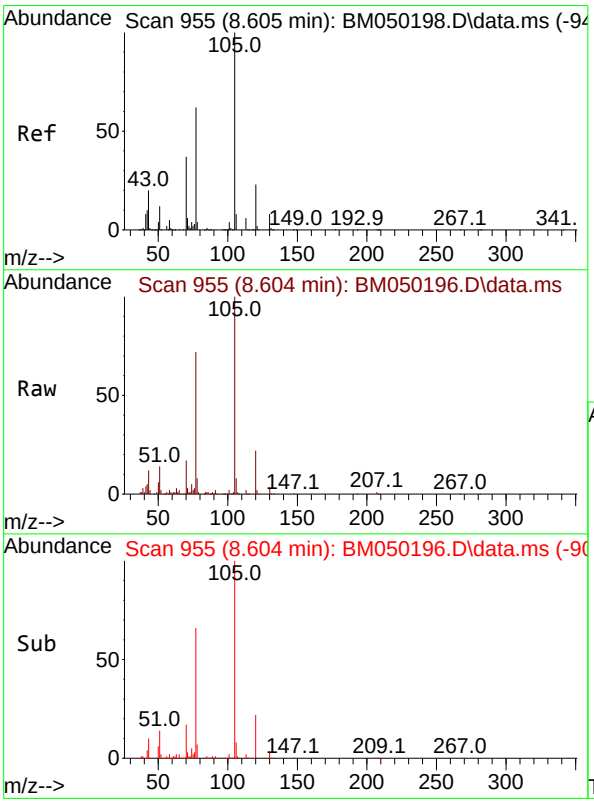
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.1	3.8	5.8
68	5.9	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

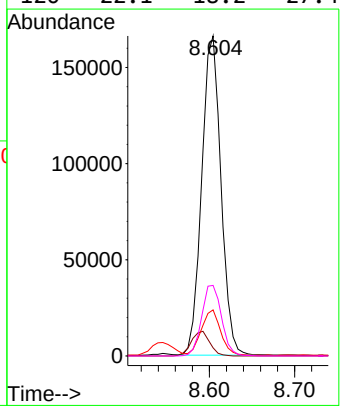
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

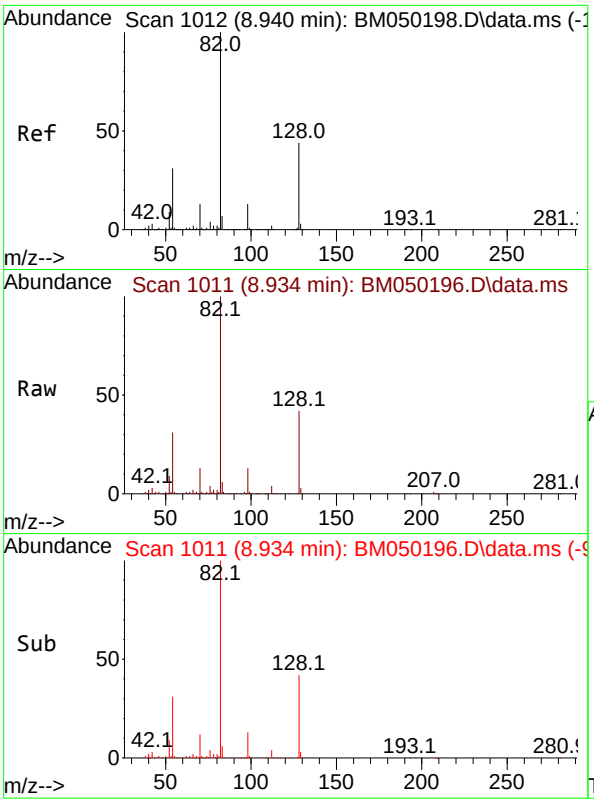


#22
Acetophenone
Concen: 10.123 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:105 Resp: 260808

Ion	Ratio	Lower	Upper
105	100		
71	2.6	5.0	7.4#
51	14.4	11.4	17.2
120	22.1	18.2	27.4

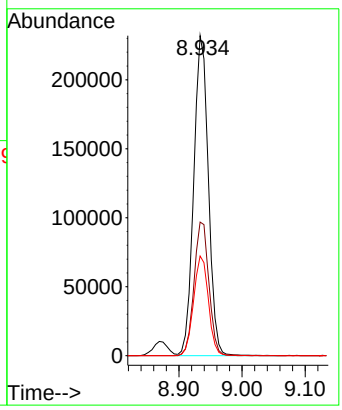




#23
Nitrobenzene-d5
Concen: 18.841 ng
RT: 8.934 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 82 Resp: 37357

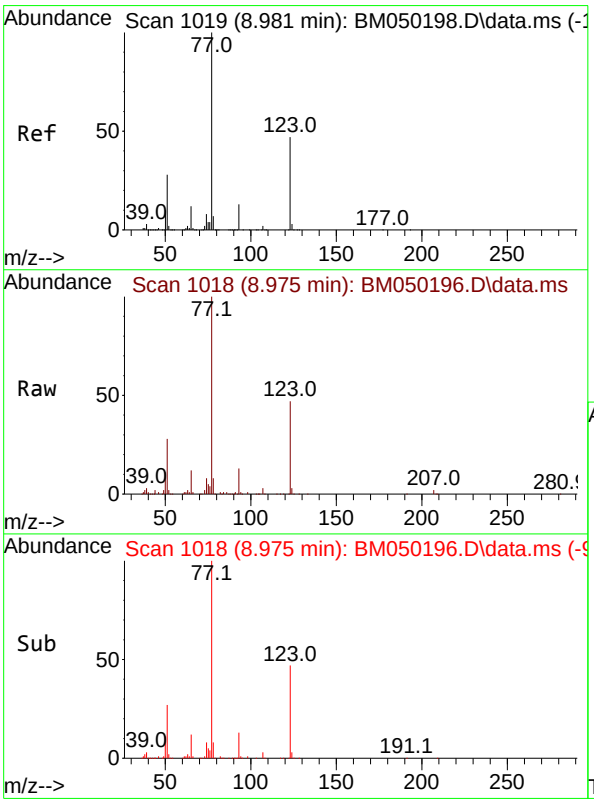
Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.2	52.8
54	31.1	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

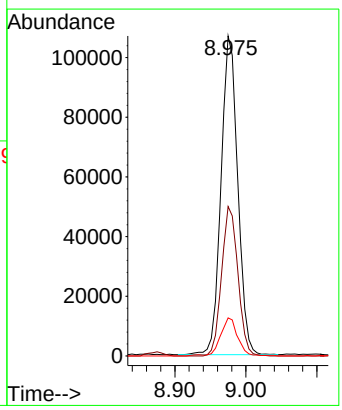
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

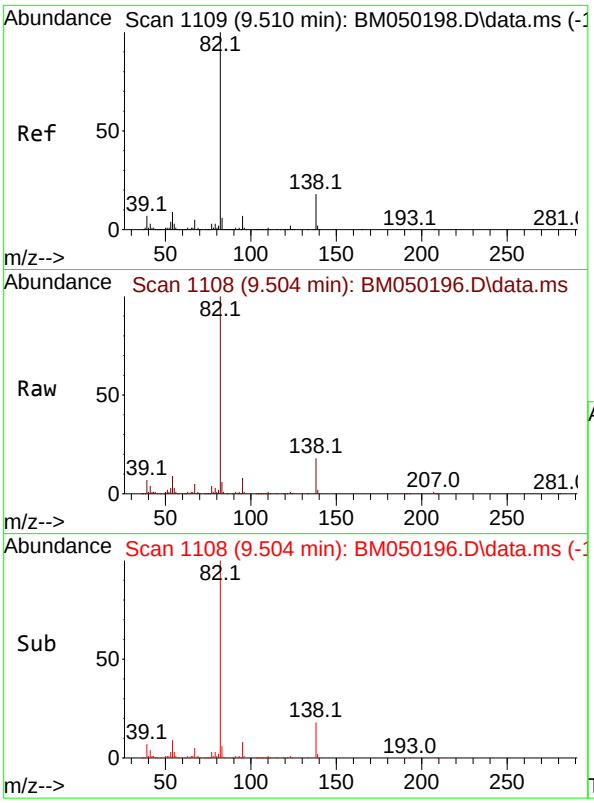


#24
Nitrobenzene
Concen: 9.646 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 77 Resp: 173945

Ion	Ratio	Lower	Upper
77	100		
123	46.7	38.2	57.2
65	11.9	9.5	14.3

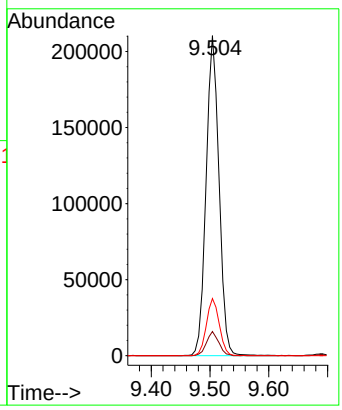




#25
Isophorone
Concen: 9.407 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 82 Resp: 321944

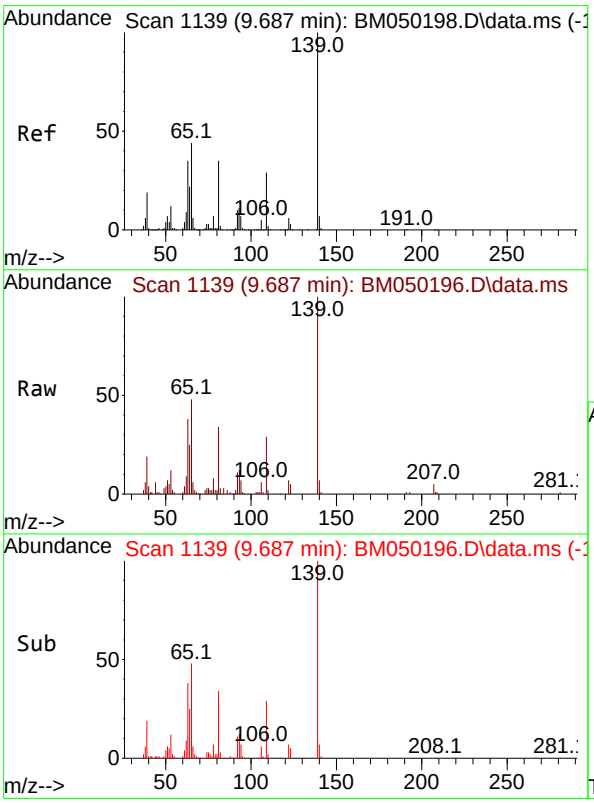
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.7	8.5
138	17.9	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

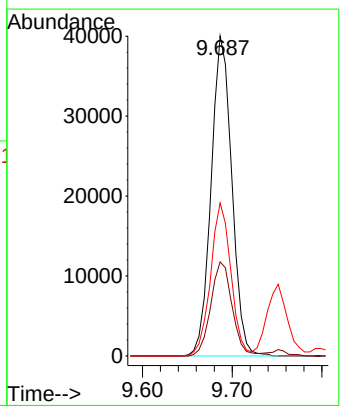
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

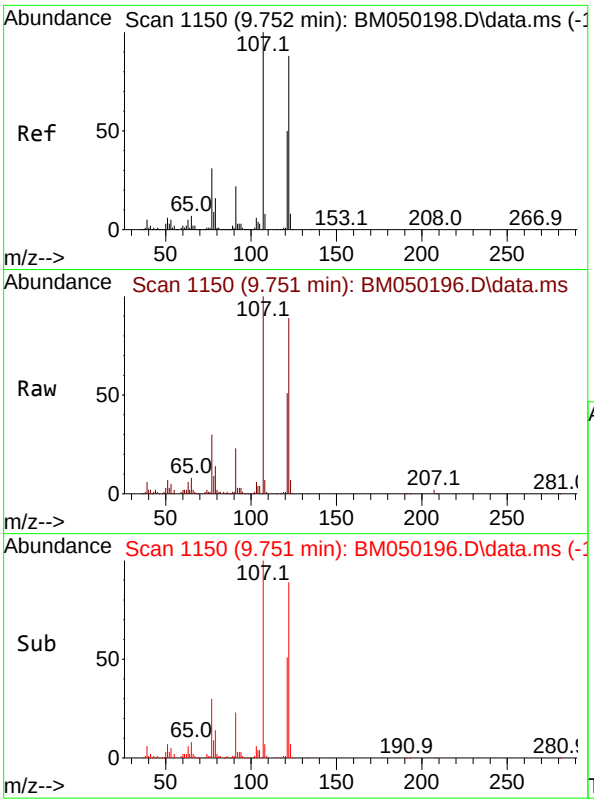


#26
2-Nitrophenol
Concen: 8.239 ng
RT: 9.687 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:139 Resp: 64131

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.3	34.9
65	47.8	35.2	52.8

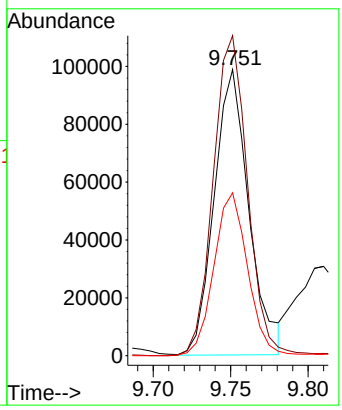




#27
2,4-Dimethylphenol
Concen: 9.598 ng
RT: 9.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:122 Resp: 15365

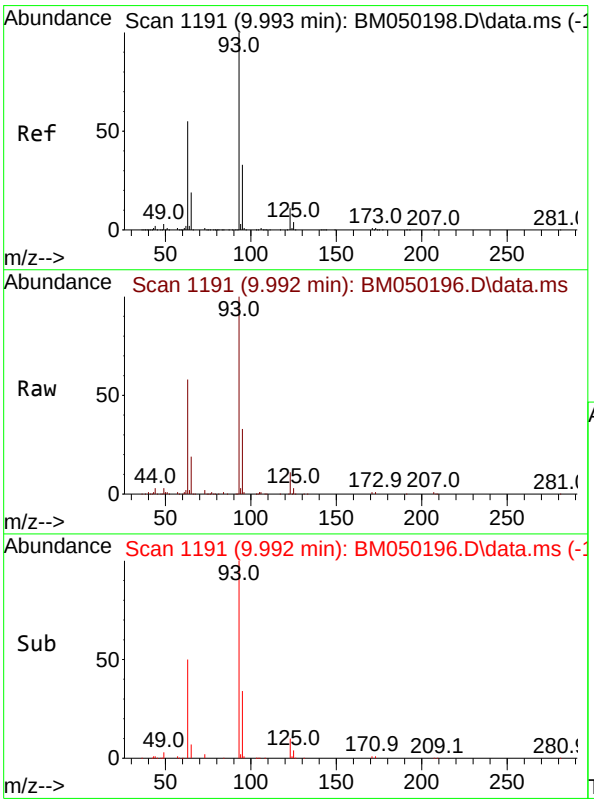
Ion	Ratio	Lower	Upper
122	100		
107	111.9	91.0	136.6
121	56.9	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

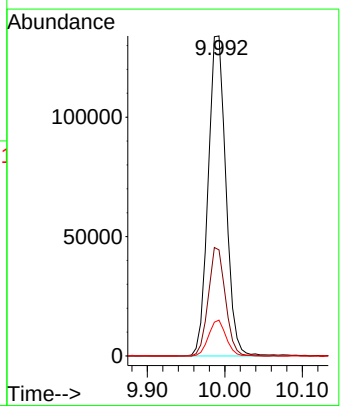
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

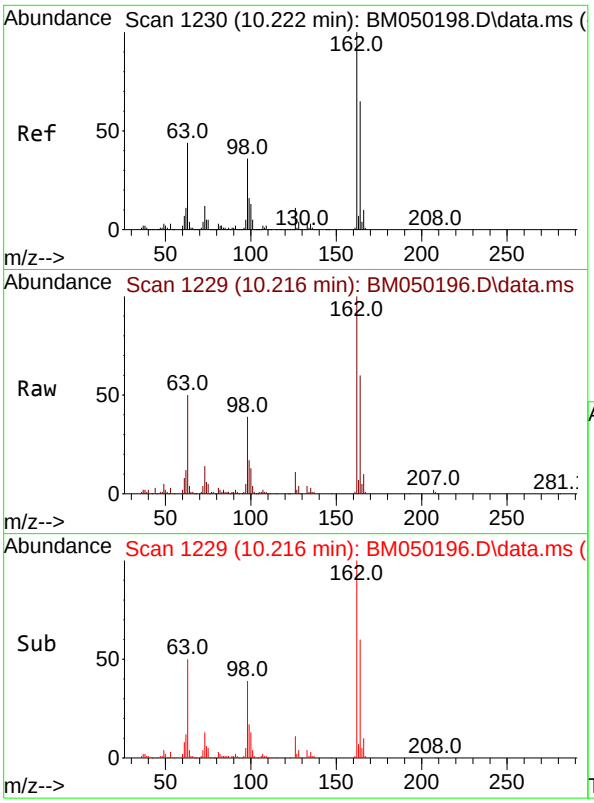


#28
bis(2-Chloroethoxy)methane
Concen: 9.531 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 93 Resp: 213076

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.4
123	11.2	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 9.122 ng
RT: 10.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

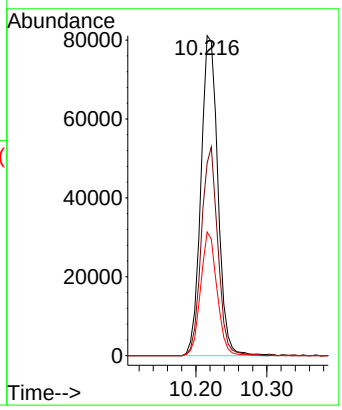
Tgt Ion:162 Resp: 13501

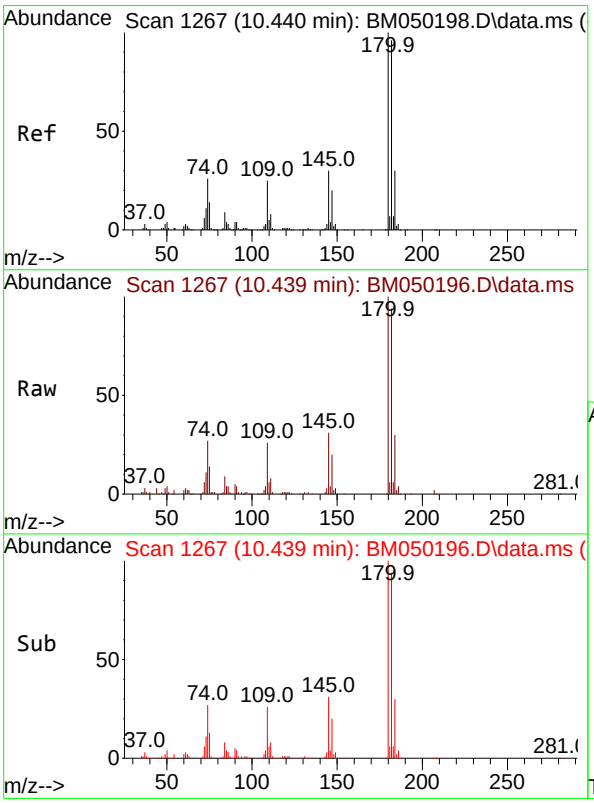
Ion	Ratio	Lower	Upper
162	100		
164	60.2	45.0	85.0
98	38.7	16.3	56.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

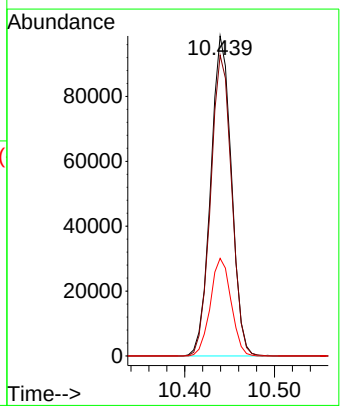


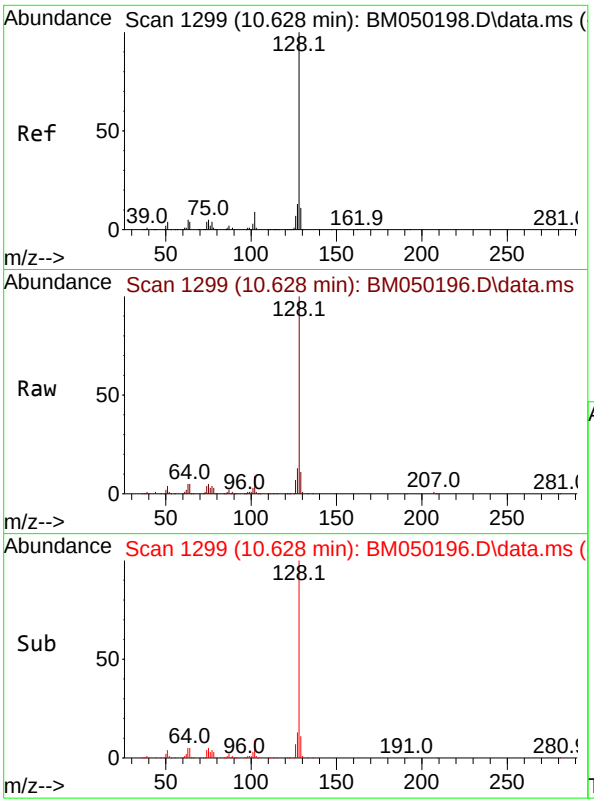


#30
1,2,4-Trichlorobenzene
Concen: 9.614 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:180 Resp: 158337

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	30.5	24.2	36.4

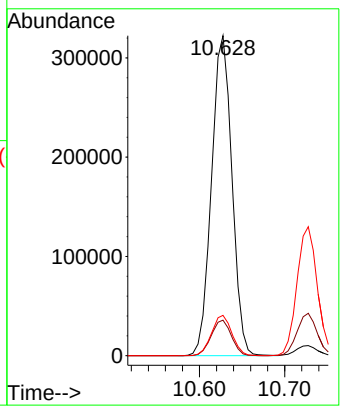




#31
Naphthalene
Concen: 10.063 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:128 Resp: 53651

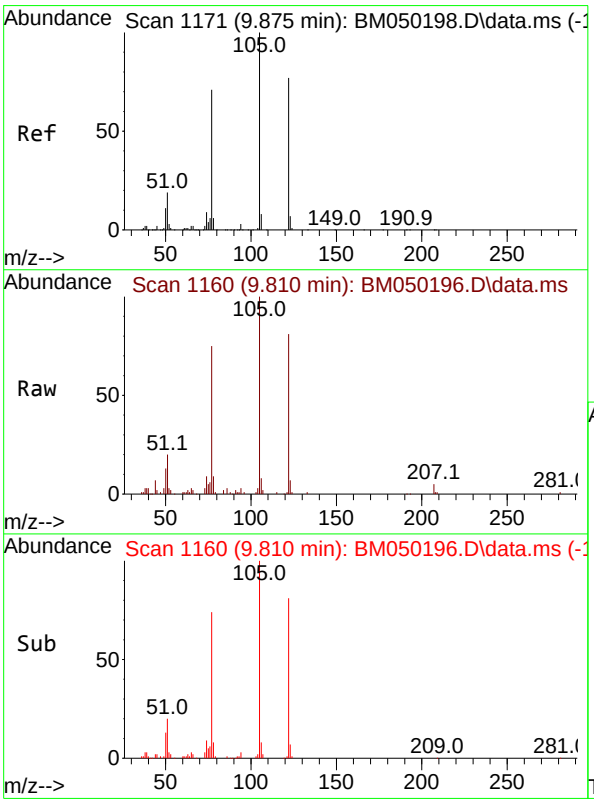
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	12.6	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

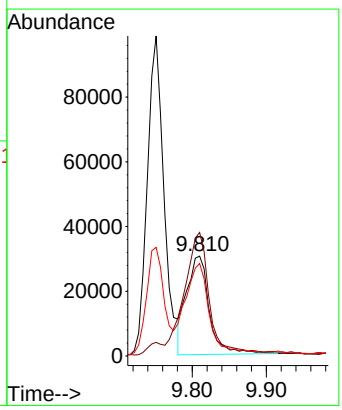
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

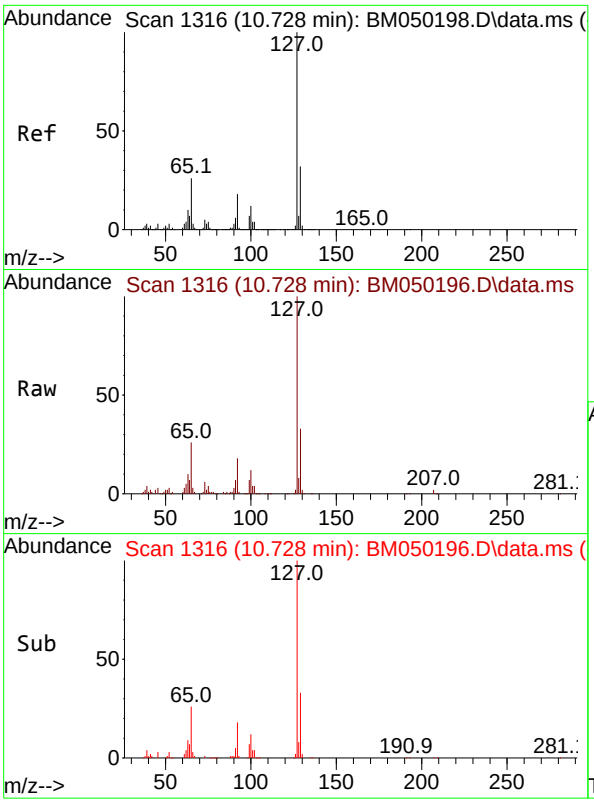


#32
Benzoic acid
Concen: 6.508 ng
RT: 9.810 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:122 Resp: 65412

Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.4	143.4
77	92.6	70.3	110.3

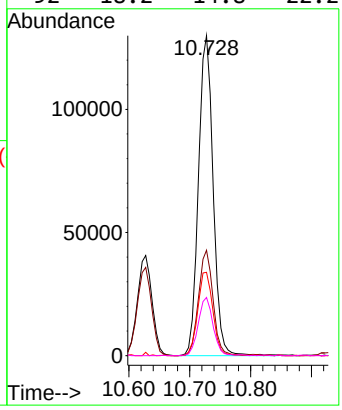




#33
4-Chloroaniline
Concen: 9.591 ng
RT: 10.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:127 Resp: 21801

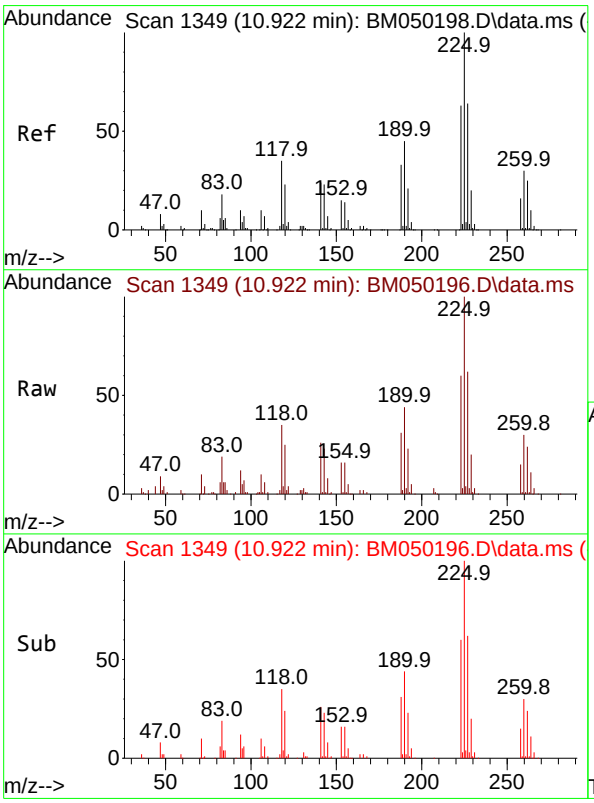
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.4	38.0
65	26.0	21.0	31.4
92	18.2	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

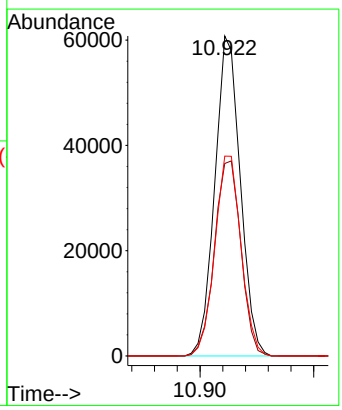
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

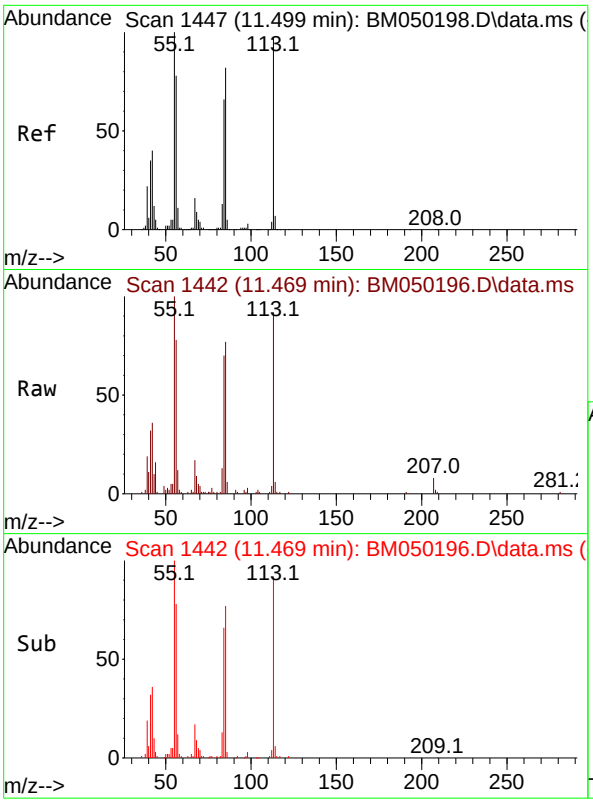


#34
Hexachlorobutadiene
Concen: 9.674 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:225 Resp: 94772

Ion	Ratio	Lower	Upper
225	100		
223	60.2	50.2	75.2
227	62.5	51.0	76.4





#35
Caprolactam
Concen: 8.437 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.030 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

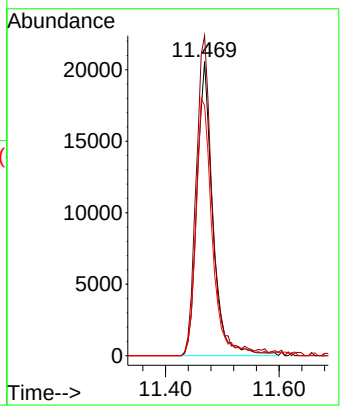
Tgt Ion:113 Resp: 3959

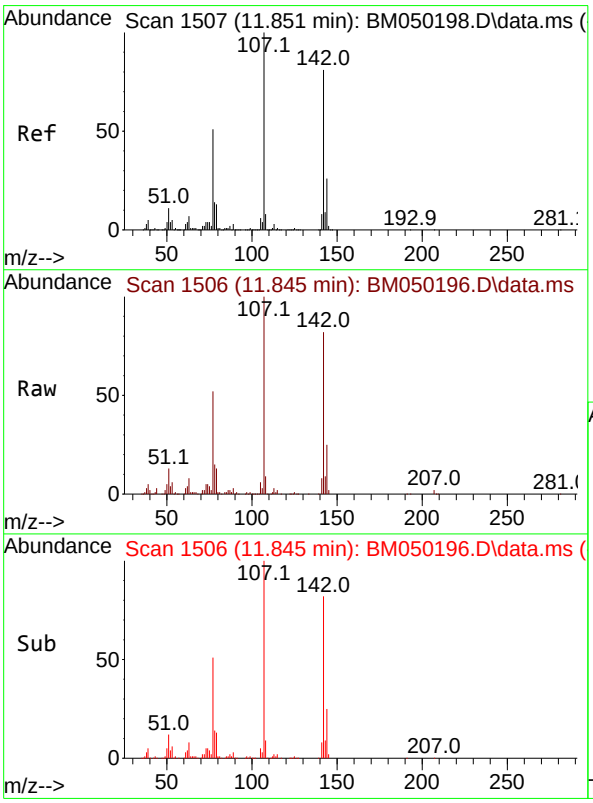
Ion	Ratio	Lower	Upper
113	100		
55	108.8	83.5	123.5
56	85.0	60.6	100.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

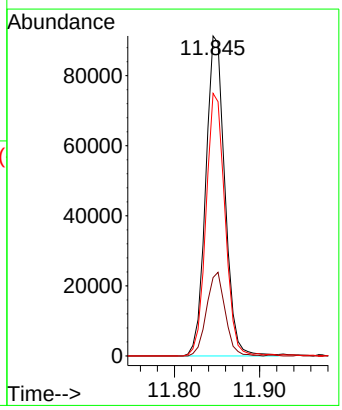


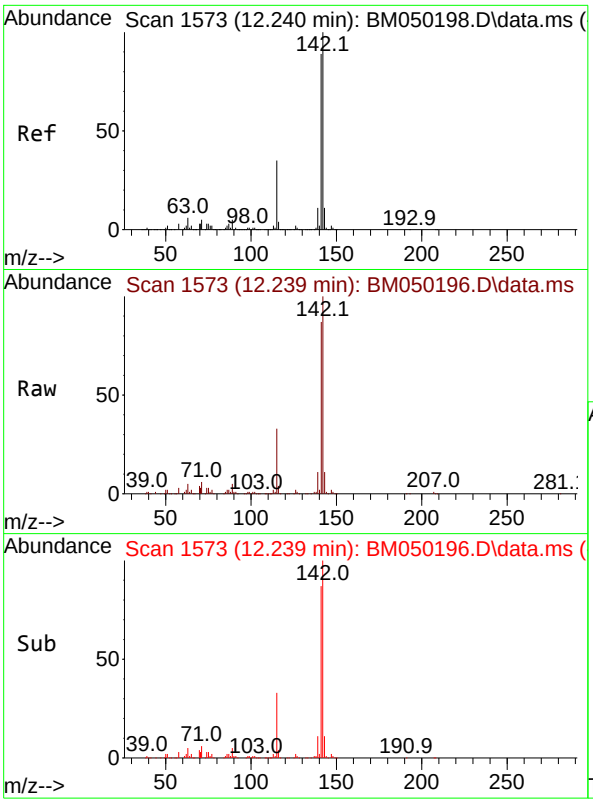


#36
4-Chloro-3-methylphenol
Concen: 9.022 ng
RT: 11.845 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:107 Resp: 142482

Ion	Ratio	Lower	Upper
107	100		
144	24.5	21.0	31.6
142	82.1	64.8	97.2

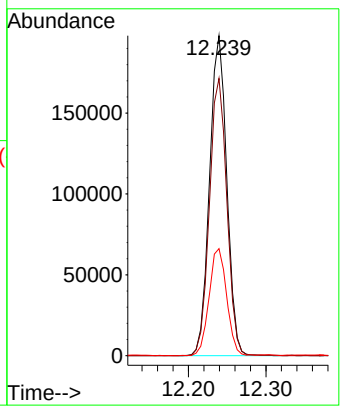




#37
2-Methylnaphthalene
Concen: 9.495 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:142 Resp: 30538

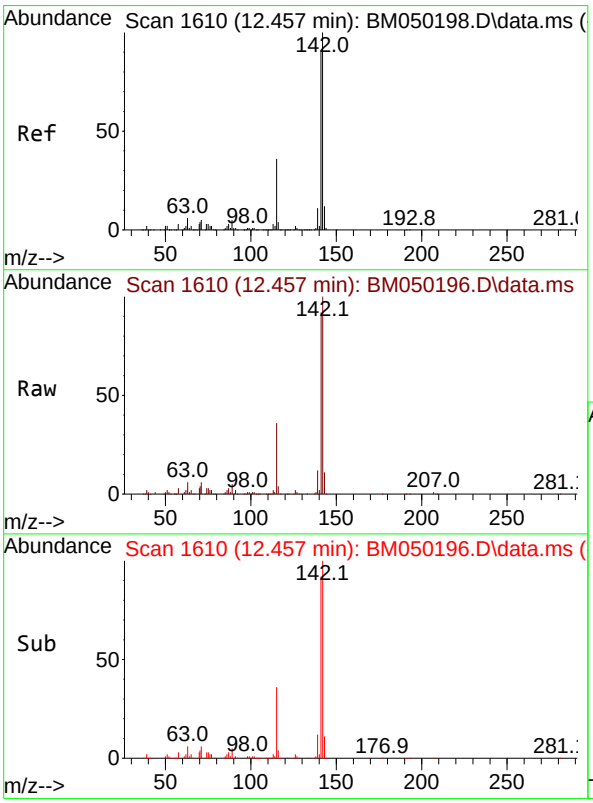
Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.5	107.3
115	33.5	27.8	41.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

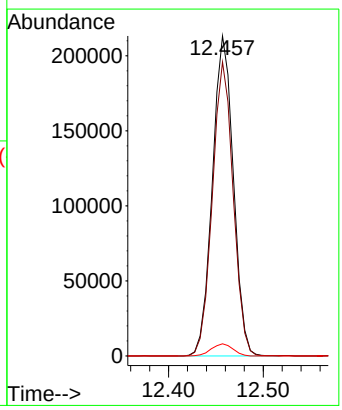
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

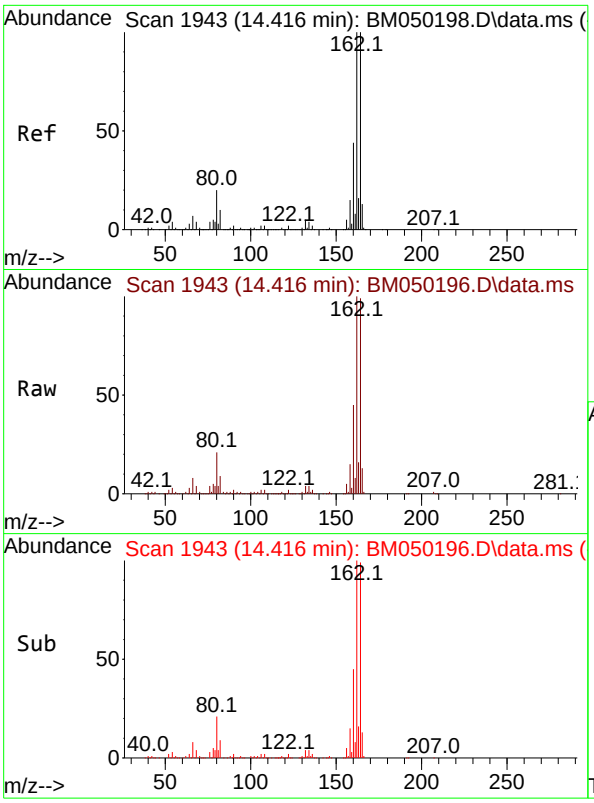


#38
1-Methylnaphthalene
Concen: 9.617 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:142 Resp: 328309

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.9	109.3
116	3.8	3.0	4.6

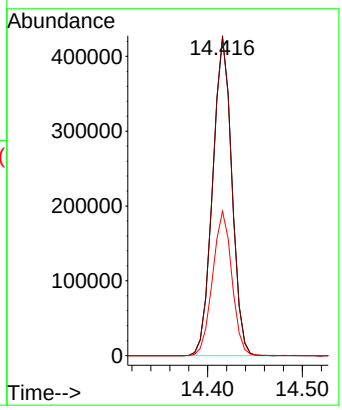




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:164 Resp: 59770

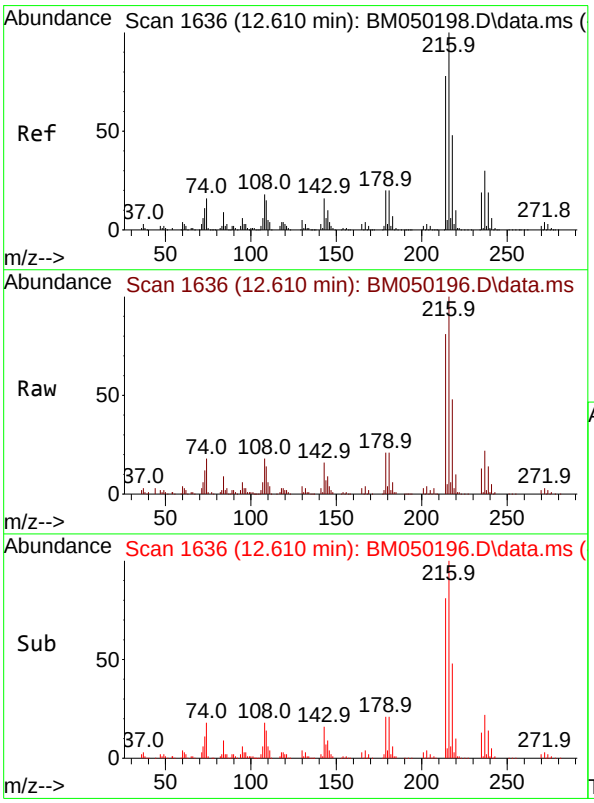
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.2	120.4
160	45.5	35.7	53.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

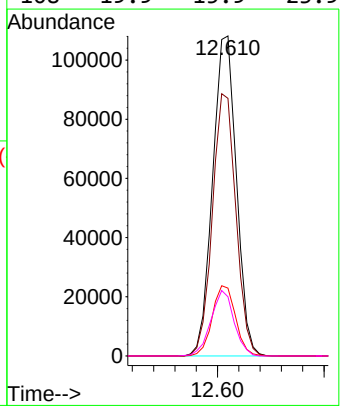
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

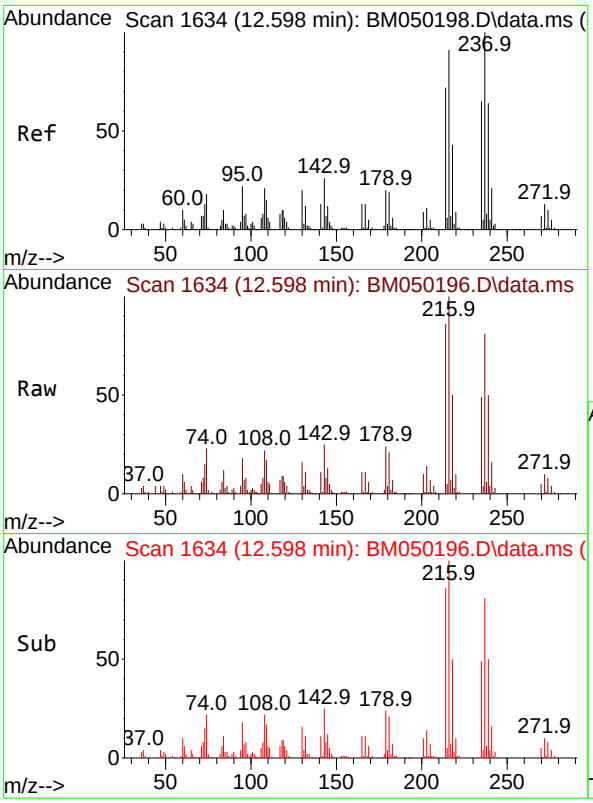


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.711 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:216 Resp: 167598

Ion	Ratio	Lower	Upper
216	100		
214	80.8	63.0	94.4
179	21.5	16.6	25.0
108	19.9	15.9	23.9

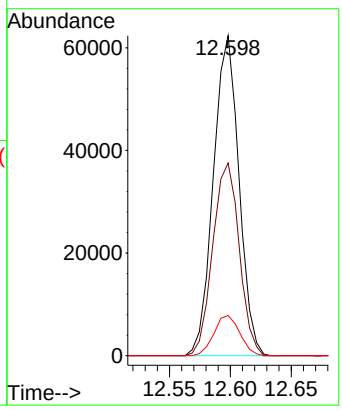




#41
Hexachlorocyclopentadiene
Concen: 8.701 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:237 Resp: 9120

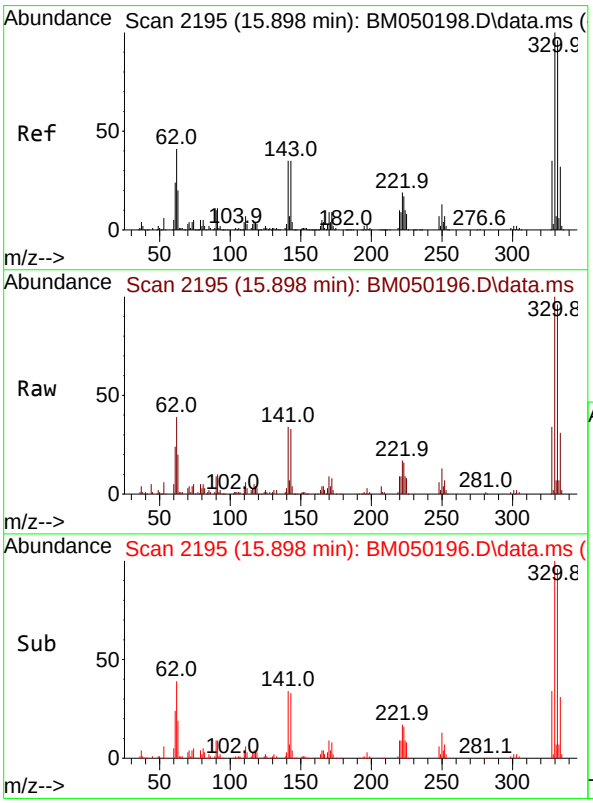
Ion	Ratio	Lower	Upper
237	100		
235	60.2	44.6	84.6
272	12.6	0.0	33.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

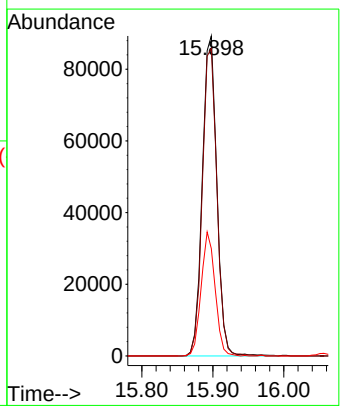
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

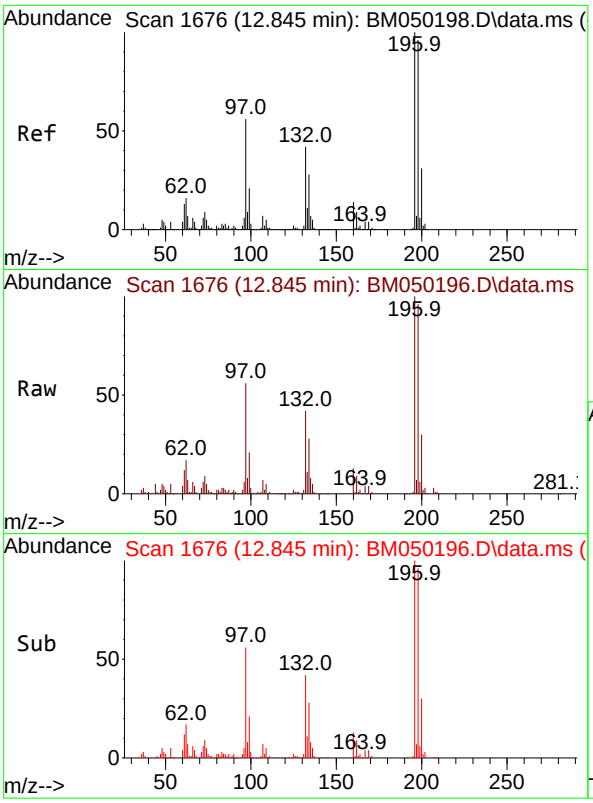


#42
2,4,6-Tribromophenol
Concen: 18.693 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:330 Resp: 127081

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	37.3	28.8	43.2

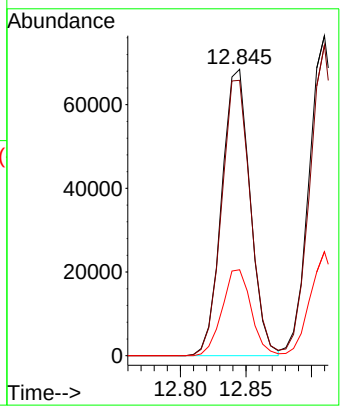




#43
2,4,6-Trichlorophenol
Concen: 9.124 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:196 Resp: 10355

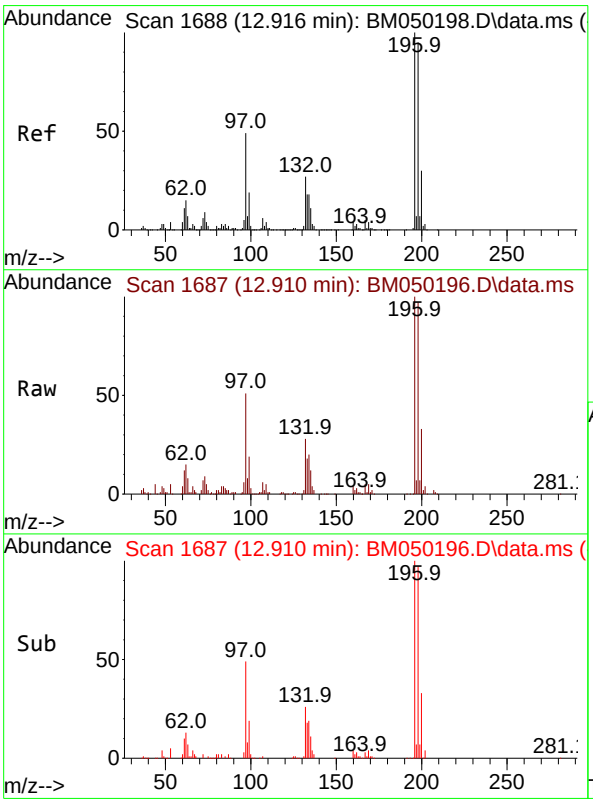
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.6	115.0
200	30.0	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

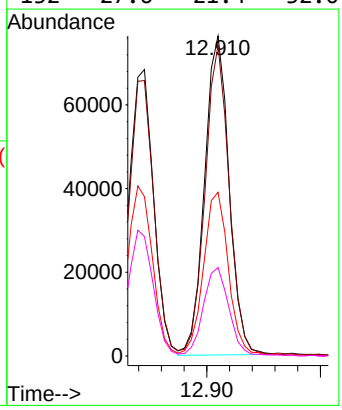
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

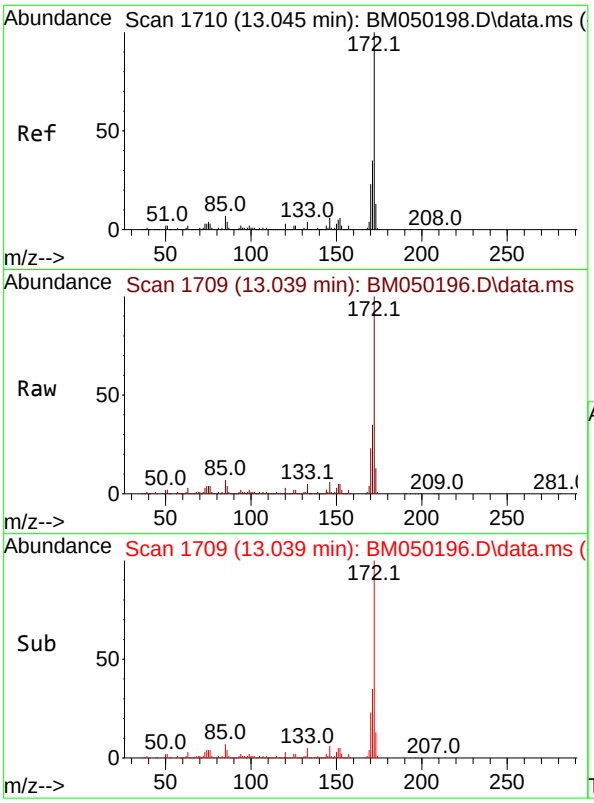


#44
2,4,5-Trichlorophenol
Concen: 9.149 ng
RT: 12.910 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:196 Resp: 114017

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.1	114.1
97	51.1	39.3	58.9
132	27.6	21.4	32.0

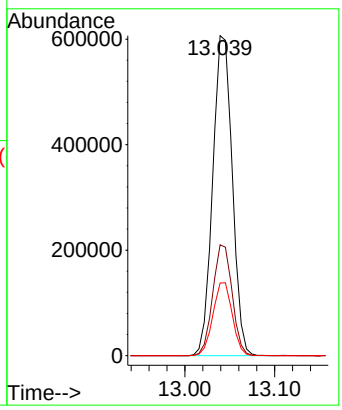




#45
2-Fluorobiphenyl
Concen: 20.795 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:172 Resp: 91804

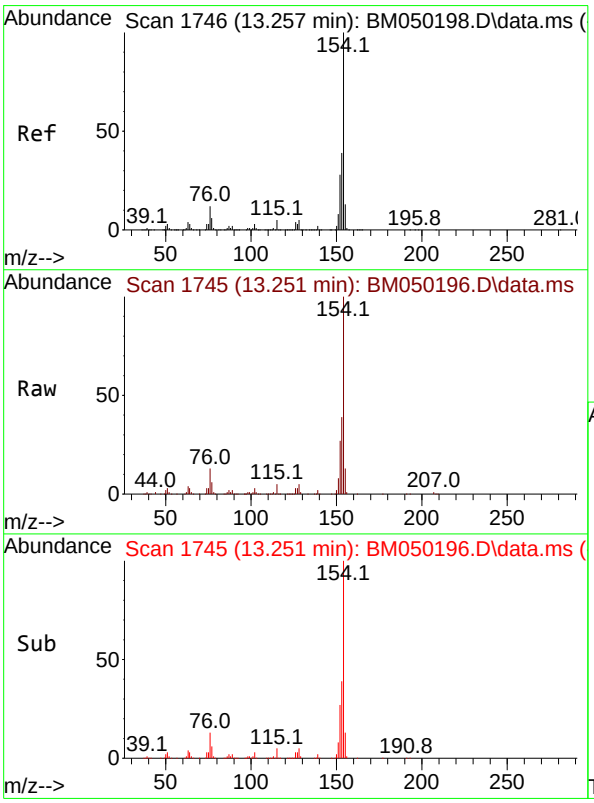
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.7	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

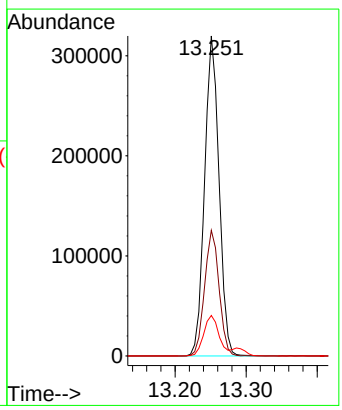
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

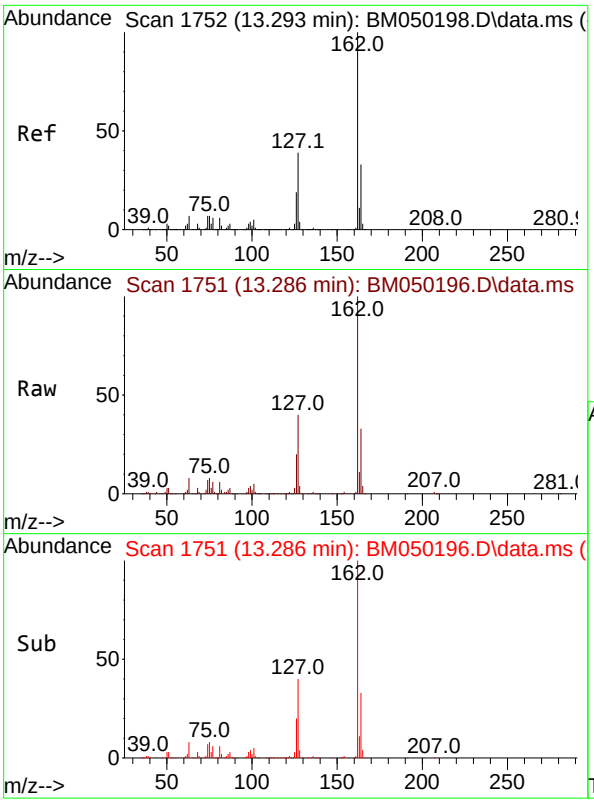


#46
1,1'-Biphenyl
Concen: 10.102 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:154 Resp: 452133

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.2	59.2
76	12.6	0.0	32.0

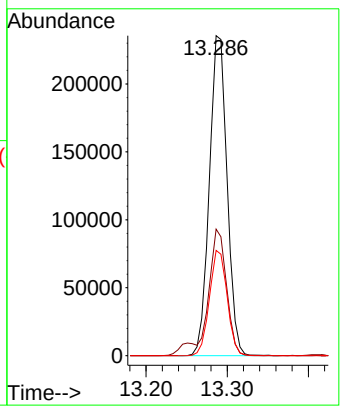




#47
2-Chloronaphthalene
Concen: 10.251 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:162 Resp: 35668

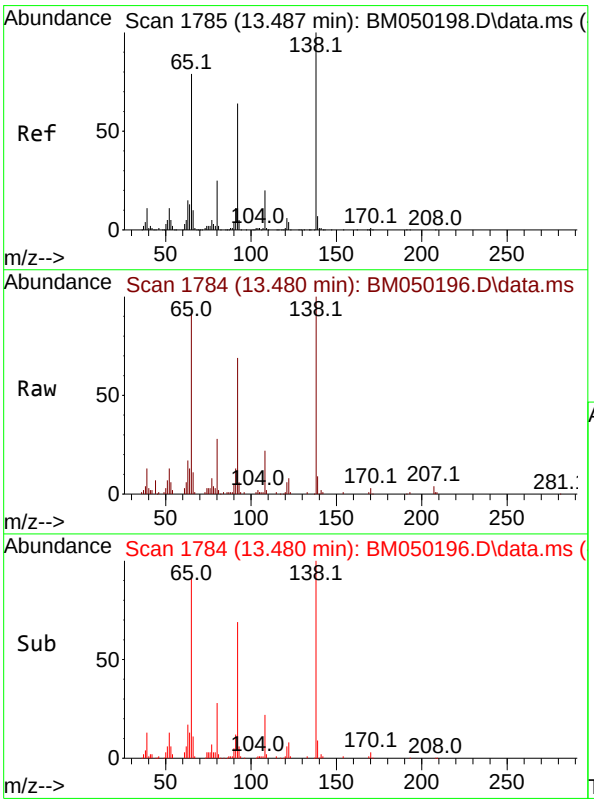
Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.1	46.7
164	32.9	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

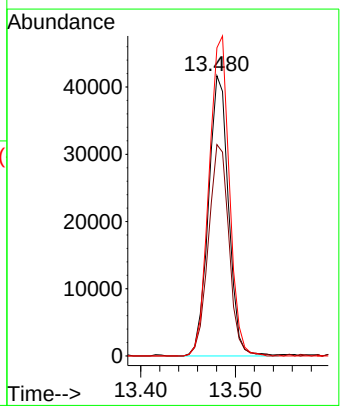
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

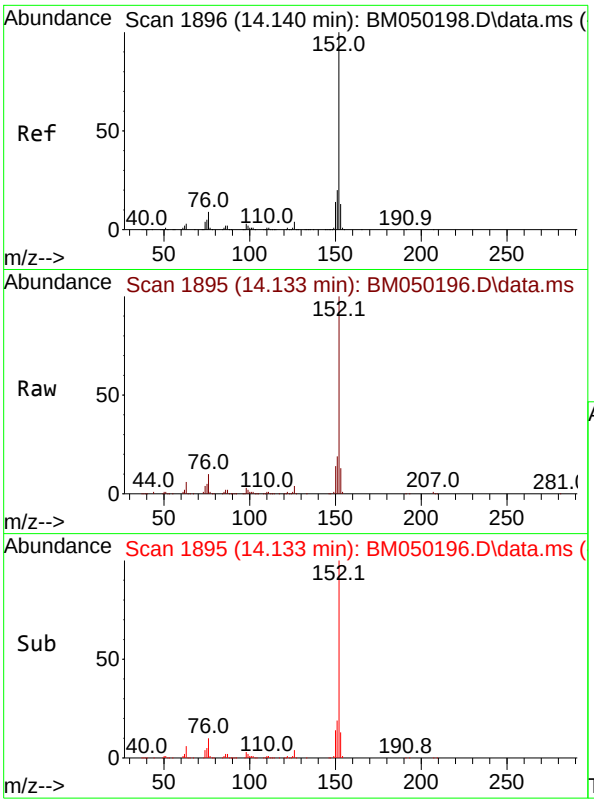


#48
2-Nitroaniline
Concen: 8.031 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 65 Resp: 61491

Ion	Ratio	Lower	Upper
65	100		
92	75.4	64.2	96.4
138	110.0	101.0	151.4

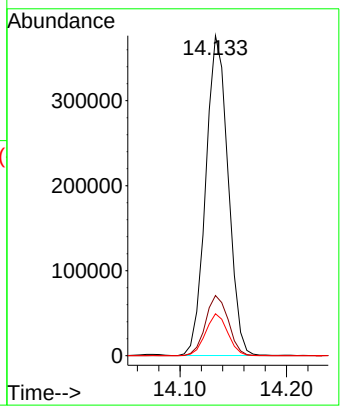




#49
Acenaphthylene
Concen: 9.738 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:152 Resp: 54805

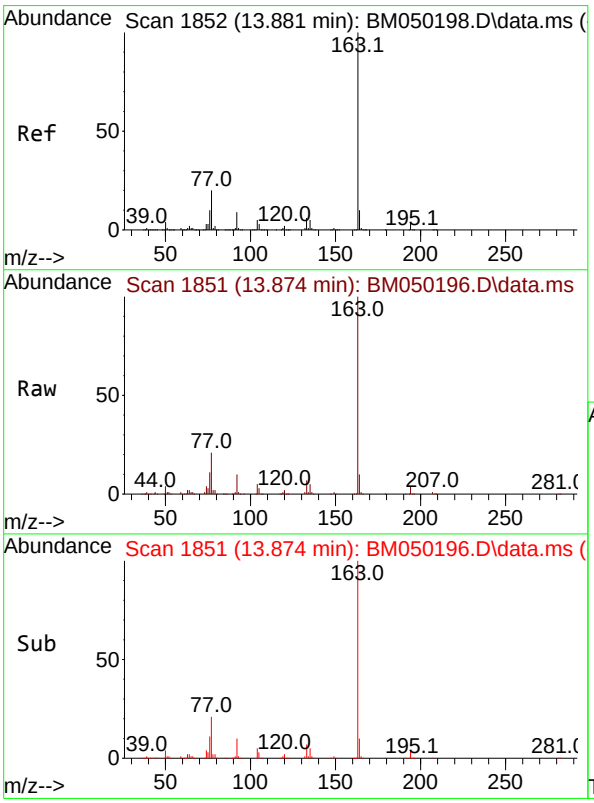
Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.8	23.6
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

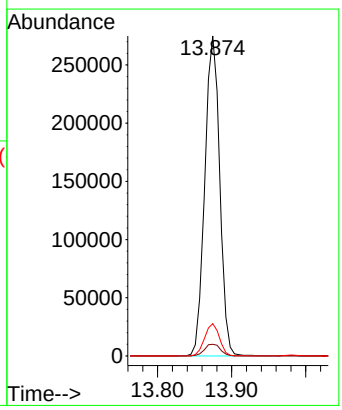
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

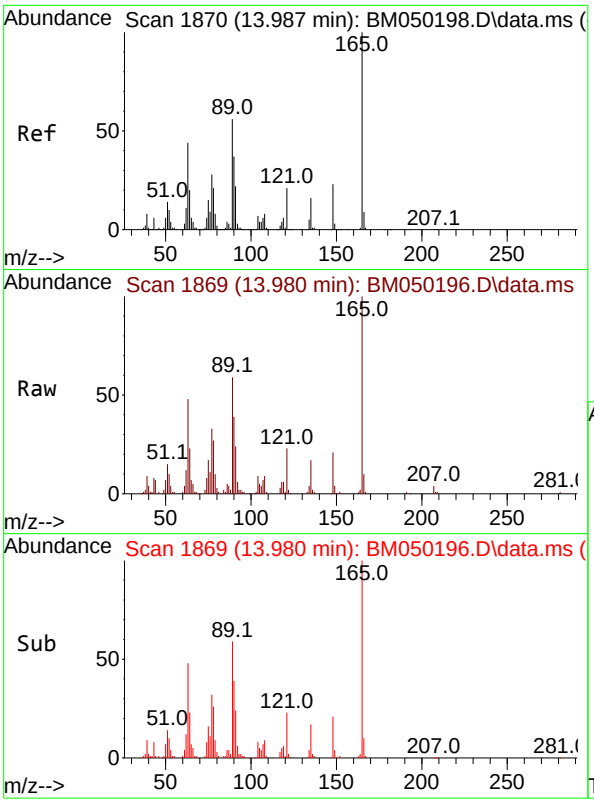


#50
Dimethylphthalate
Concen: 9.503 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:163 Resp: 384143

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 8.478 ng
RT: 13.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

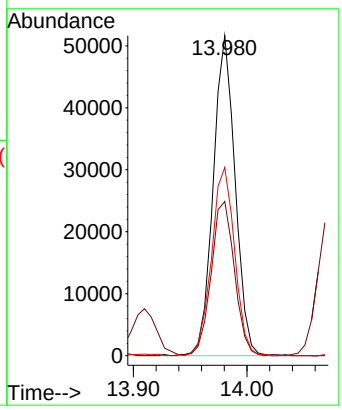
Tgt Ion:165 Resp: 6911

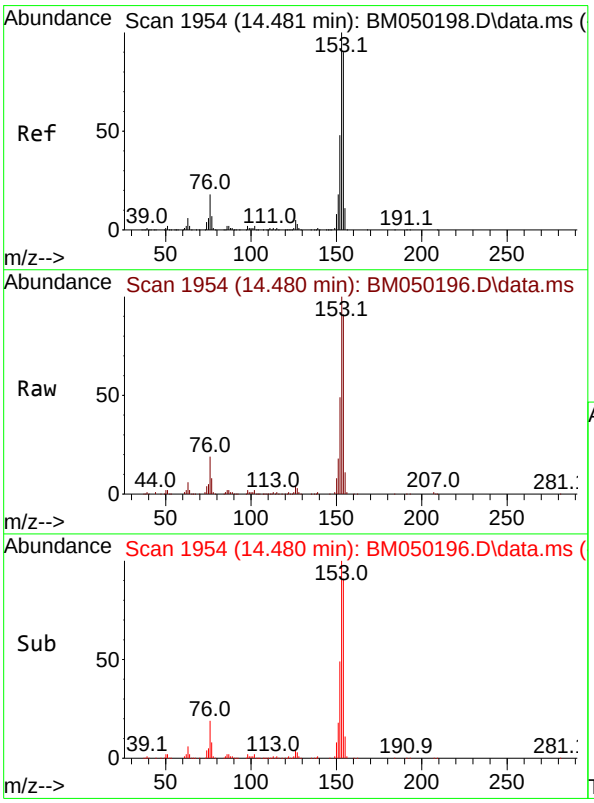
Ion	Ratio	Lower	Upper
165	100		
63	48.2	35.8	53.6
89	58.8	44.8	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

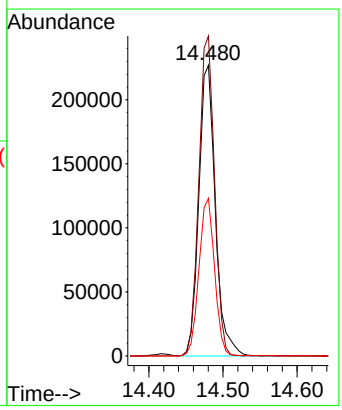


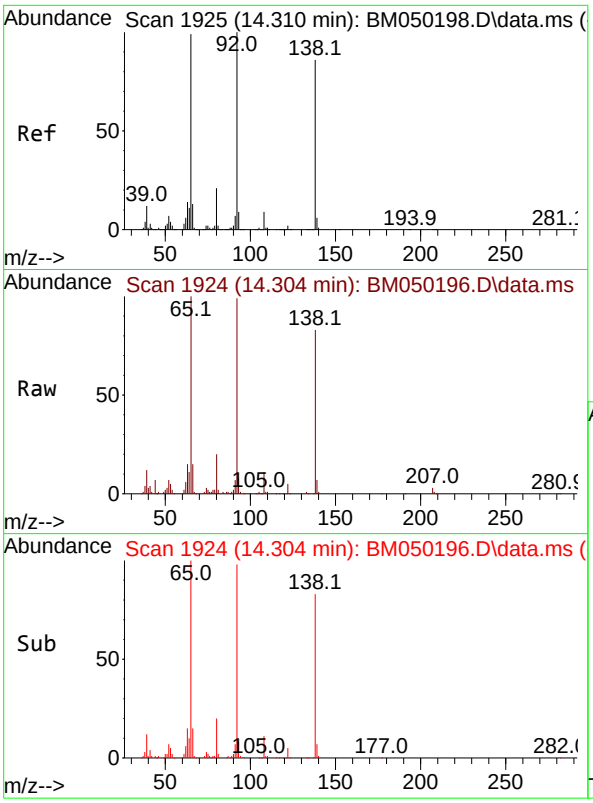


#52
Acenaphthene
Concen: 9.985 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:154 Resp: 351485

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.7	133.1
152	54.3	42.6	63.8

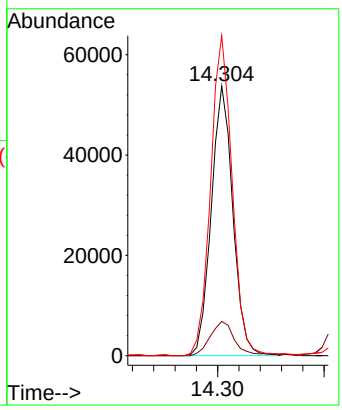




#53
3-Nitroaniline
Concen: 8.301 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:138 Resp: 7541

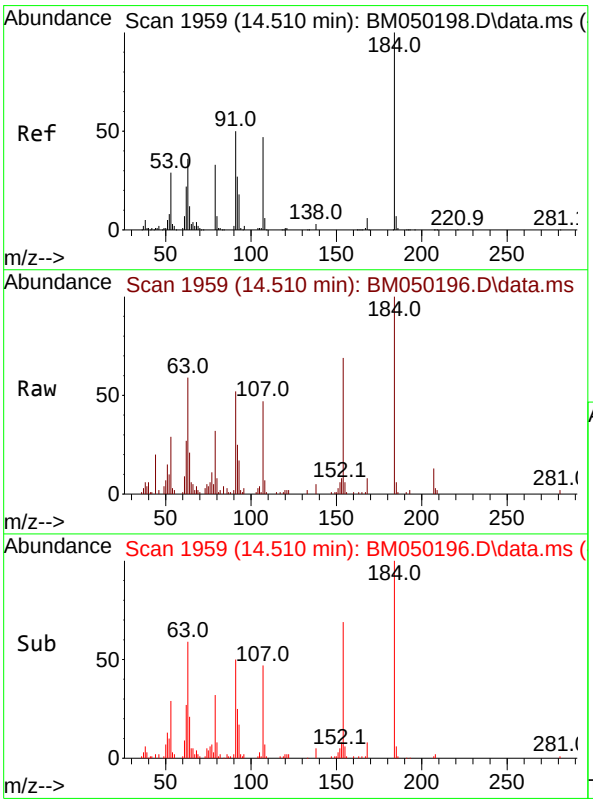
Ion	Ratio	Lower	Upper
138	100		
108	12.7	8.8	13.2
92	118.6	92.9	139.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

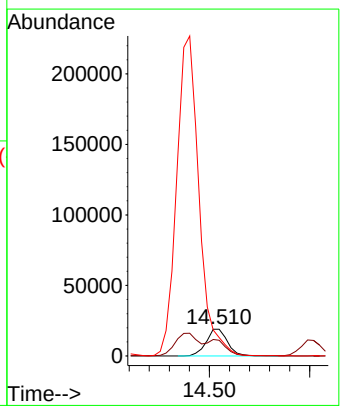
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

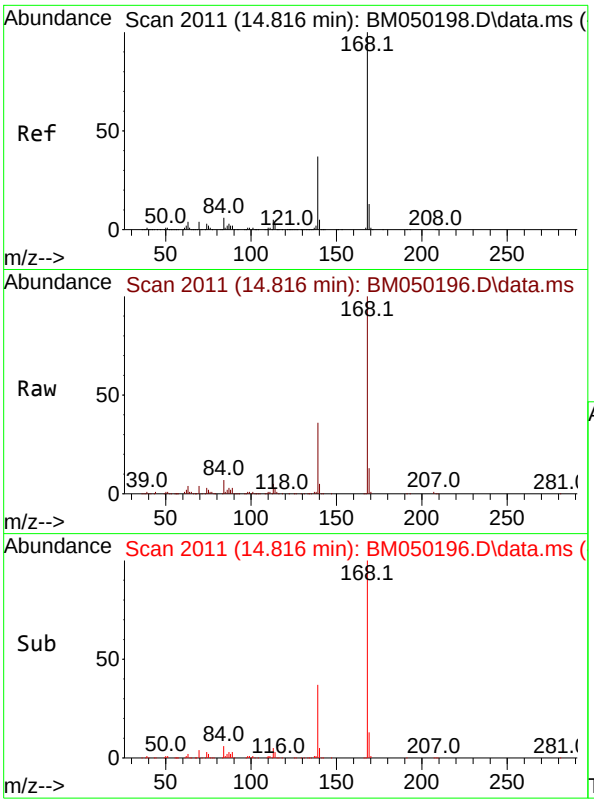


#54
2,4-Dinitrophenol
Concen: 10.741 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:184 Resp: 27888

Ion	Ratio	Lower	Upper
184	100		
63	58.6	45.3	67.9
154	68.6	54.3	81.5

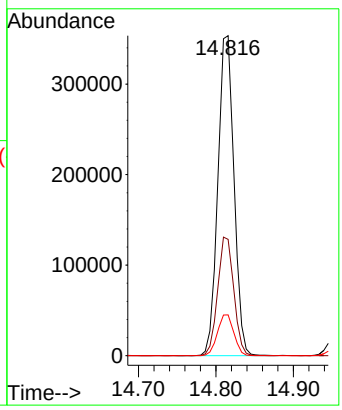




#55
Dibenzofuran
Concen: 9.925 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:168 Resp: 51110

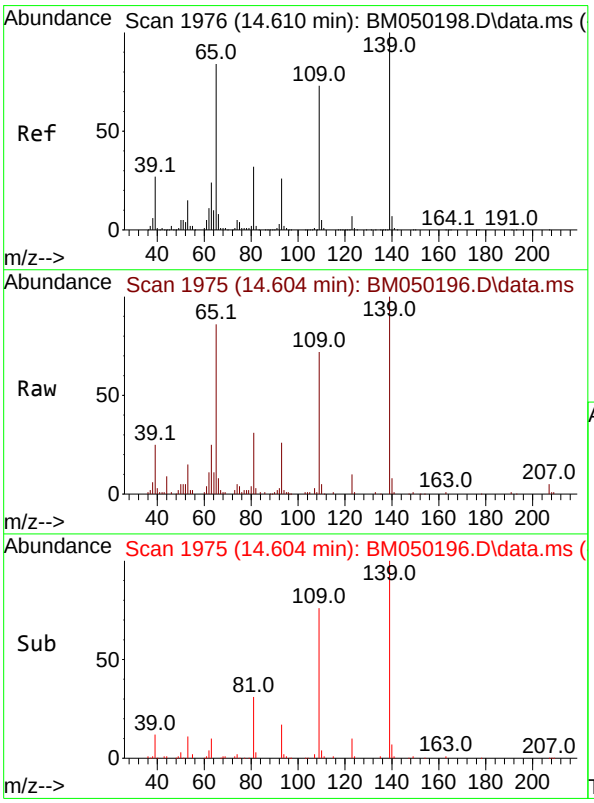
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.9	44.9
169	12.8	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

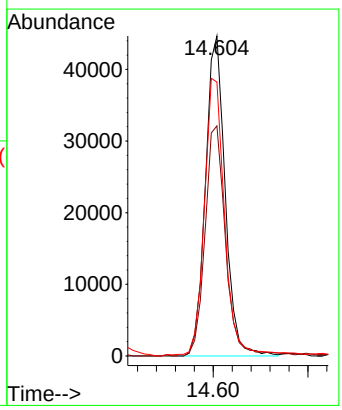
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

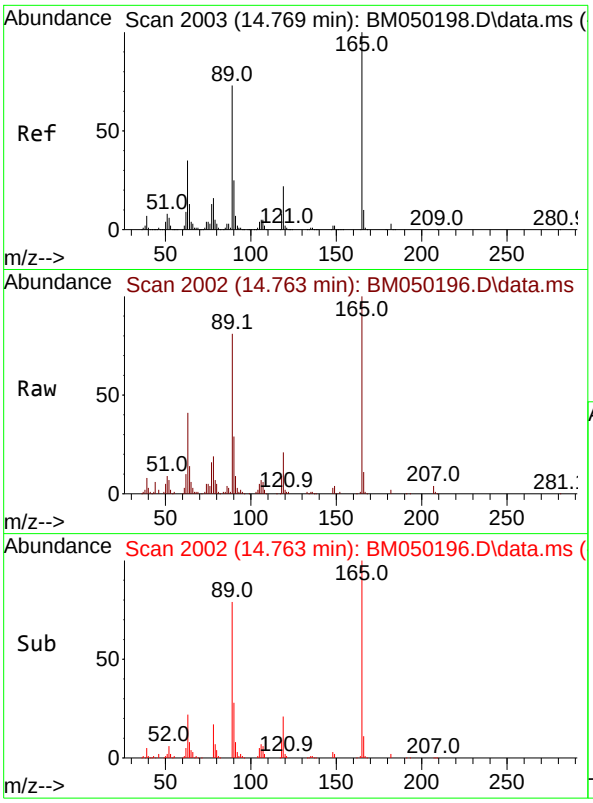


#56
4-Nitrophenol
Concen: 8.335 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:139 Resp: 64450

Ion	Ratio	Lower	Upper
139	100		
109	71.9	52.6	92.6
65	85.6	64.3	104.3

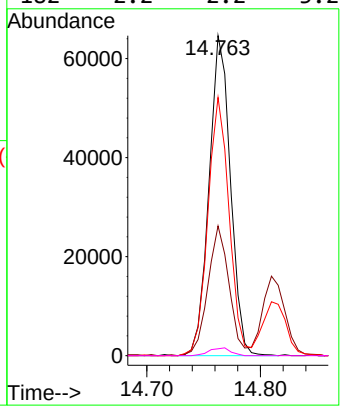




#57
2,4-Dinitrotoluene
Concen: 7.856 ng
RT: 14.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:165 Resp: 8448

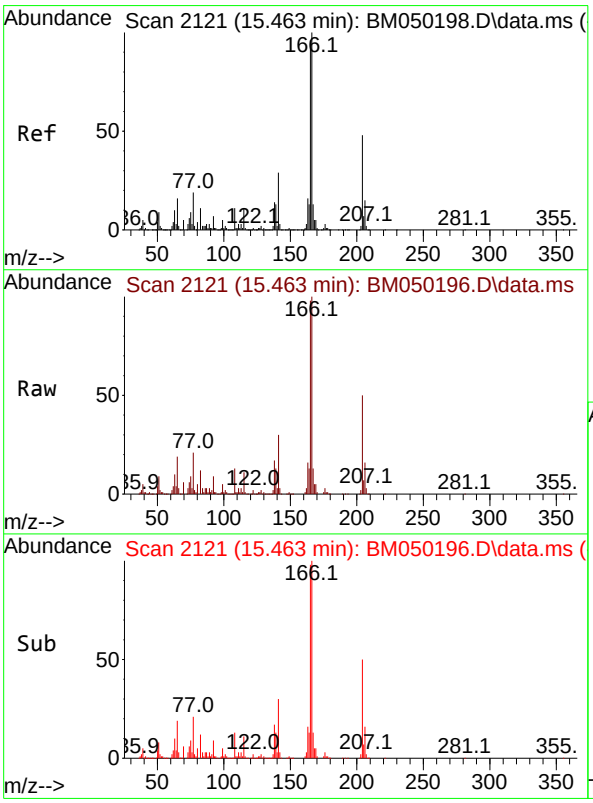
Ion	Ratio	Lower	Upper
165	100		
63	40.6	28.4	42.6
89	80.7	58.0	87.0
182	2.2	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

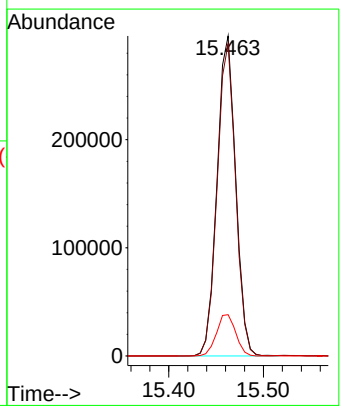
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

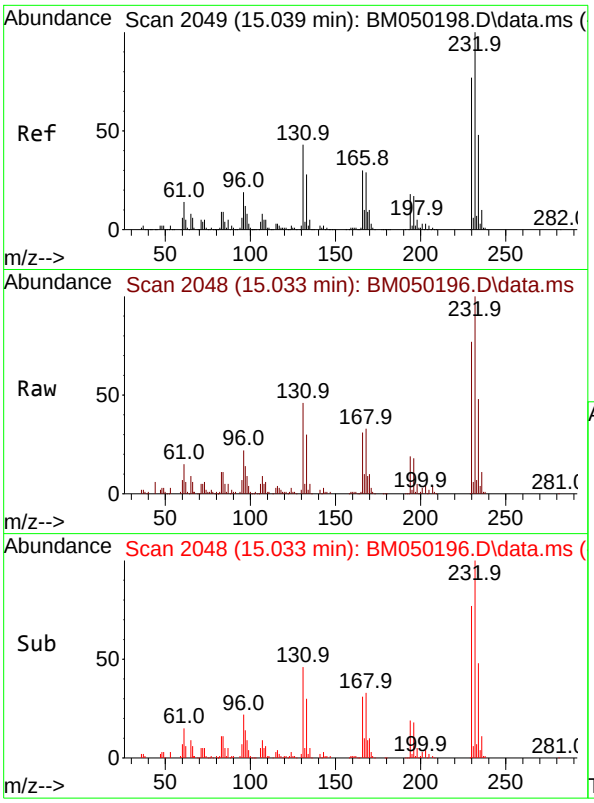


#58
Fluorene
Concen: 10.286 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:166 Resp: 405716

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.0	115.4
167	12.9	10.7	16.1

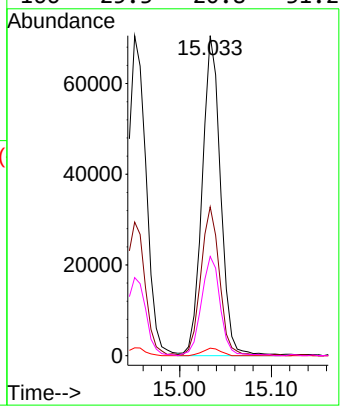




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.156 ng m
RT: 15.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:232 Resp: 9871

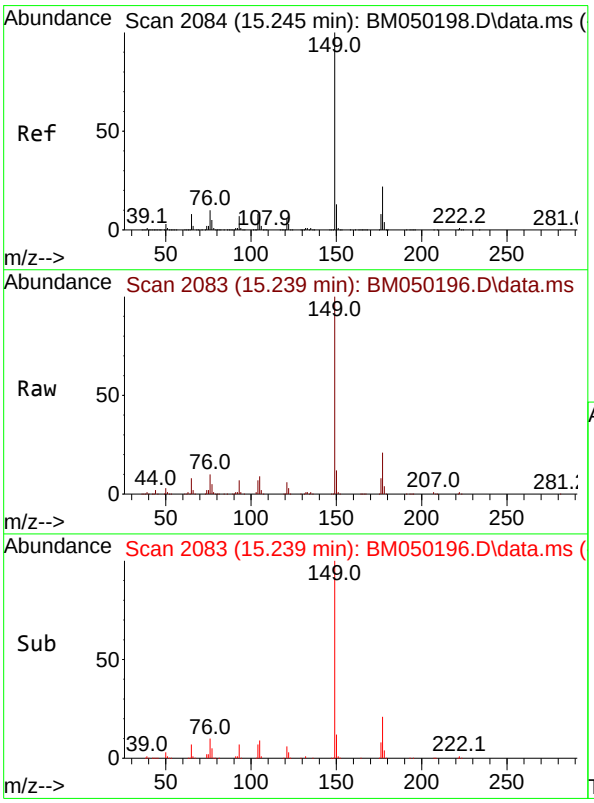
Ion	Ratio	Lower	Upper
232	100		
131	42.6	32.9	49.3
130	2.4	1.8	2.8
166	25.3	20.8	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

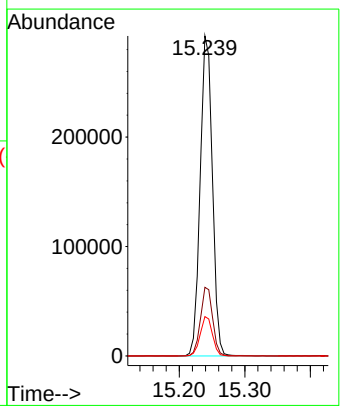
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

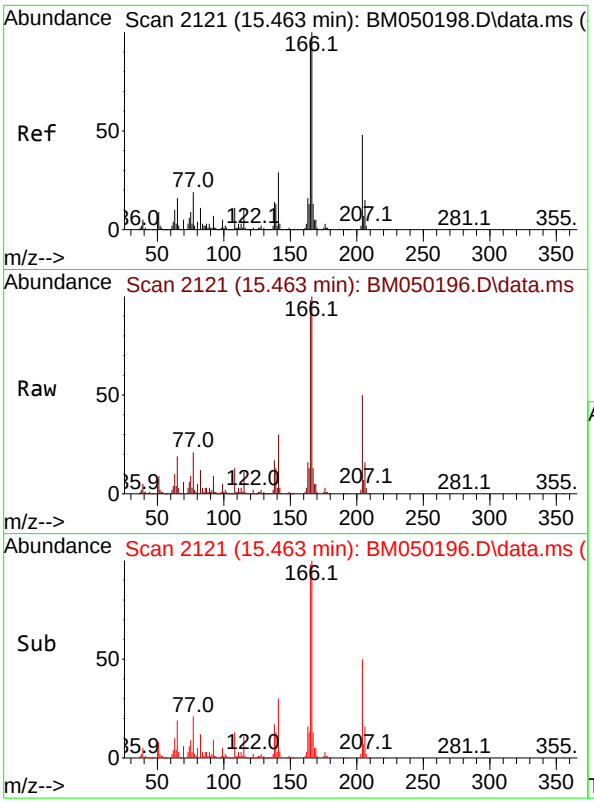


#60
Diethylphthalate
Concen: 9.477 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:149 Resp: 380099

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.2	25.8
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 10.283 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

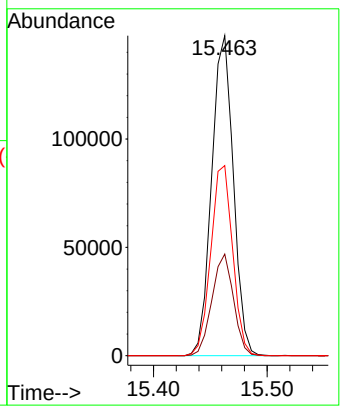
Tgt Ion:204 Resp: 19603

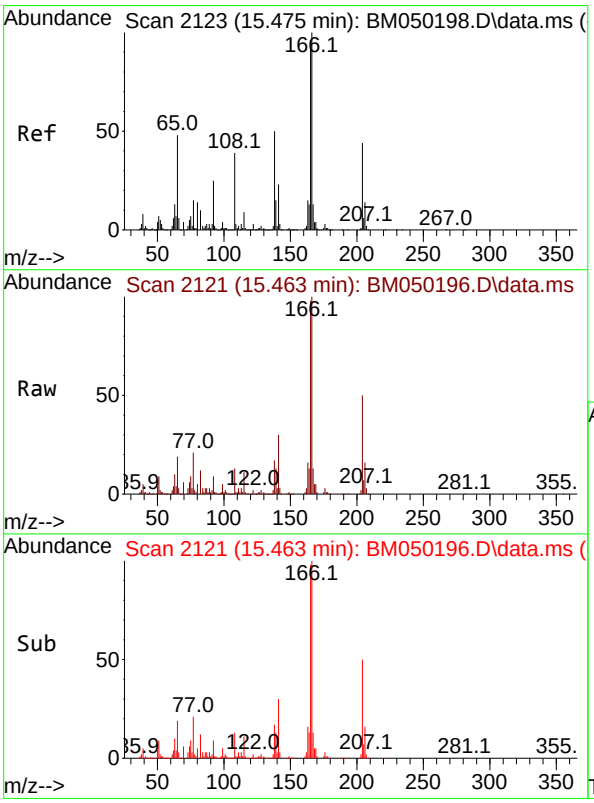
Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.4	38.0
141	59.4	47.9	71.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

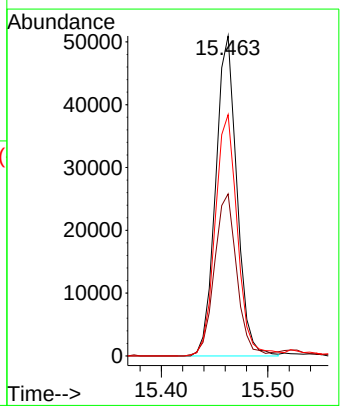


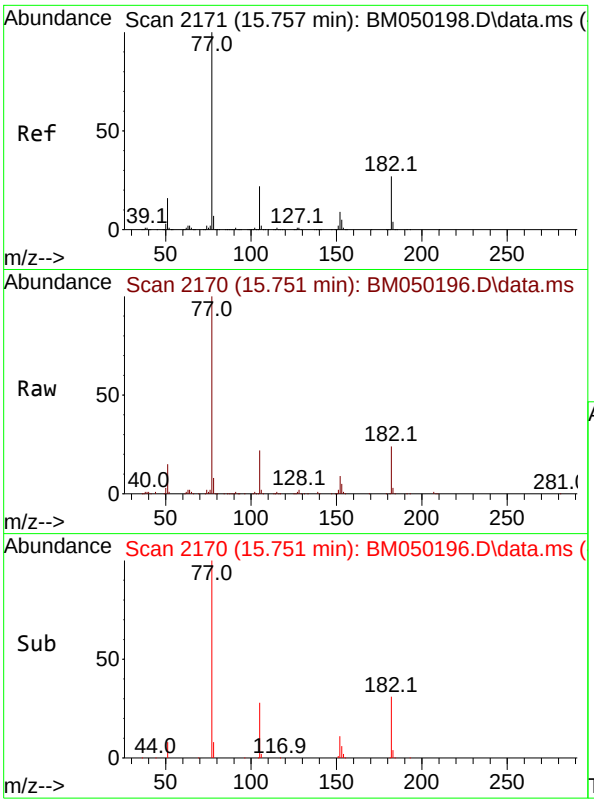


#62
4-Nitroaniline
Concen: 8.281 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:138 Resp: 70517

Ion	Ratio	Lower	Upper
138	100		
92	50.6	28.8	68.8
108	75.4	58.1	98.1

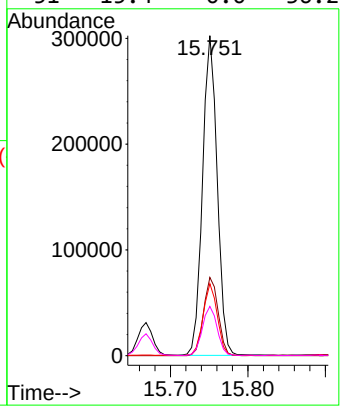




#63
Azobenzene
Concen: 9.913 ng
RT: 15.751 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion: 77 Resp: 39739

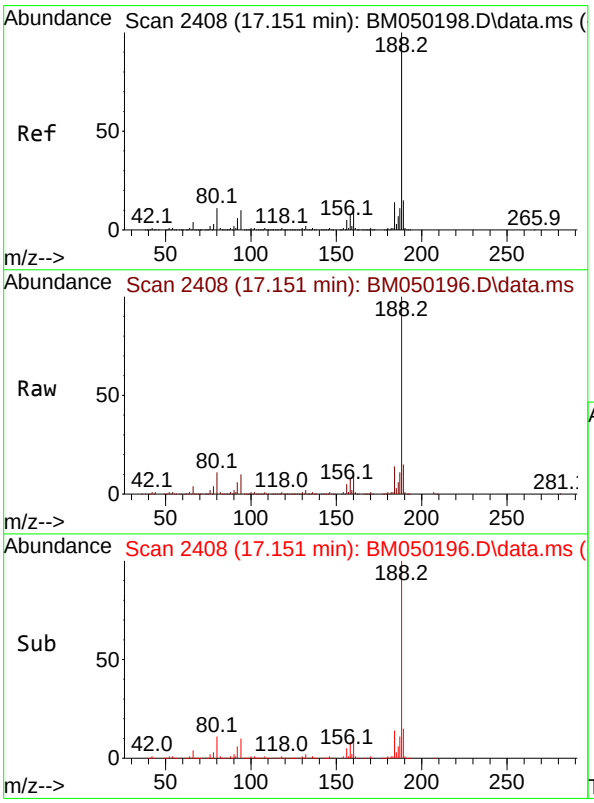
Ion	Ratio	Lower	Upper
77	100		
182	24.5	6.8	46.8
105	22.5	1.7	41.7
51	15.4	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

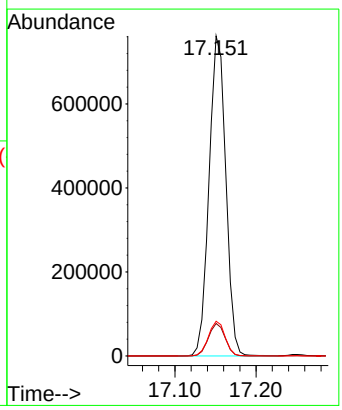
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

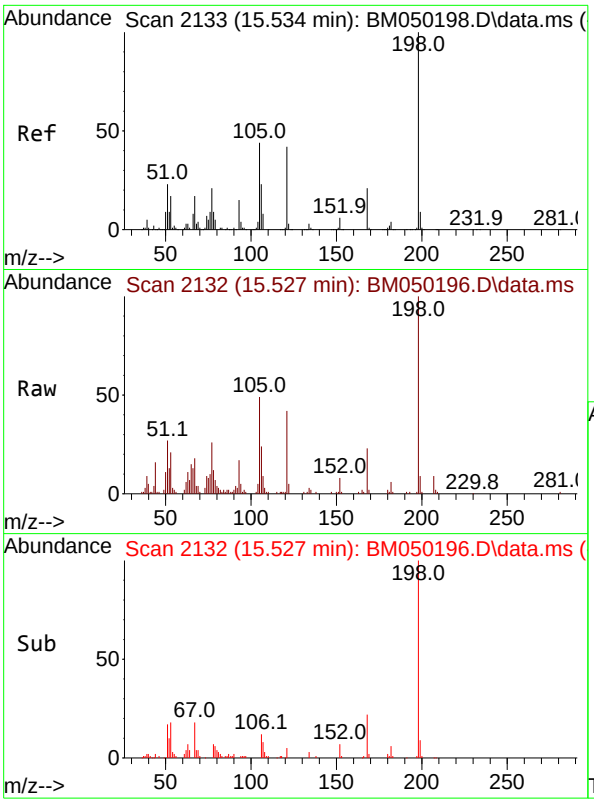


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:188 Resp: 1092132

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	10.9	8.6	13.0





#65
4,6-Dinitro-2-methylphenol
Concen: 6.823 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.007 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

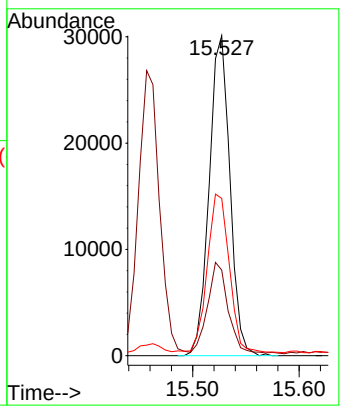
Tgt Ion:198 Resp: 4069

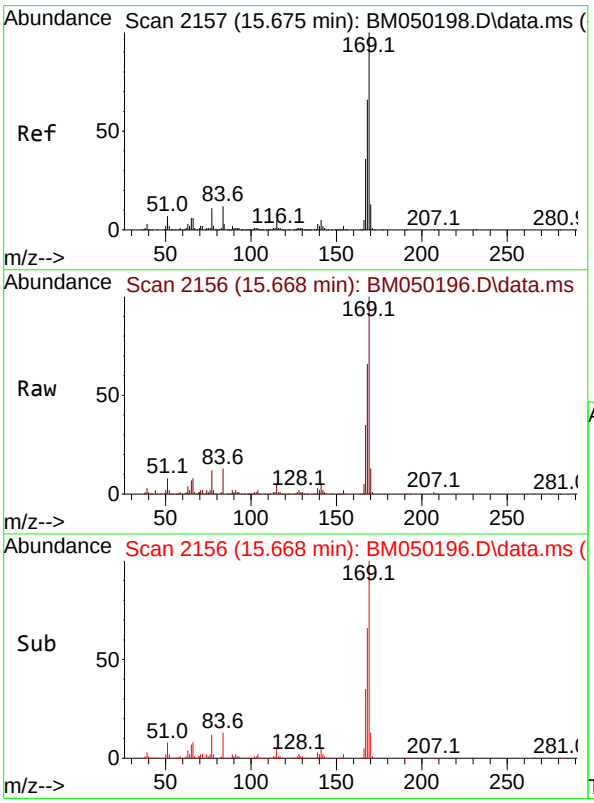
Ion	Ratio	Lower	Upper
198	100		
51	26.7	4.5	44.5
105	49.2	24.9	64.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

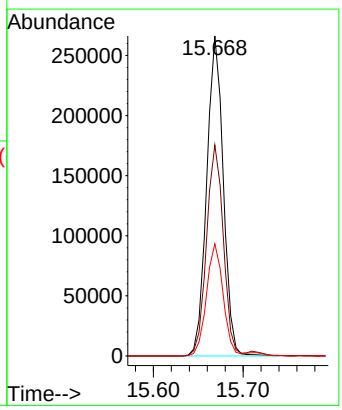


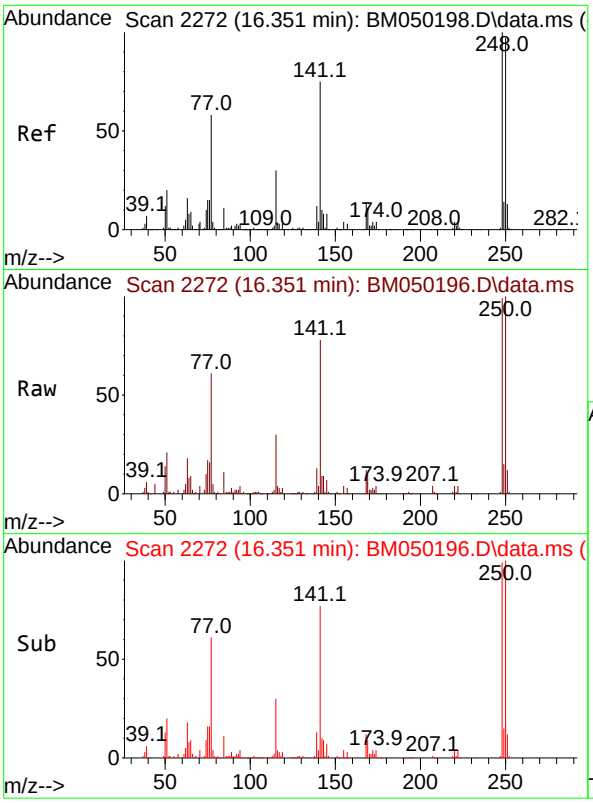


#66
n-Nitrosodiphenylamine
Concen: 9.957 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:169 Resp: 341695

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.1	79.7
167	35.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 9.568 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

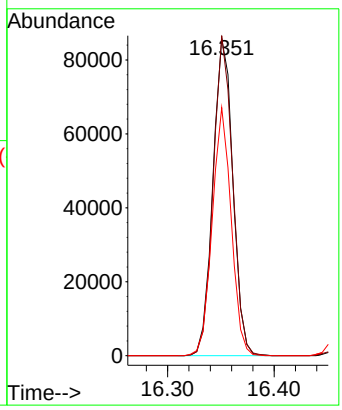
Tgt Ion:248 Resp: 11142

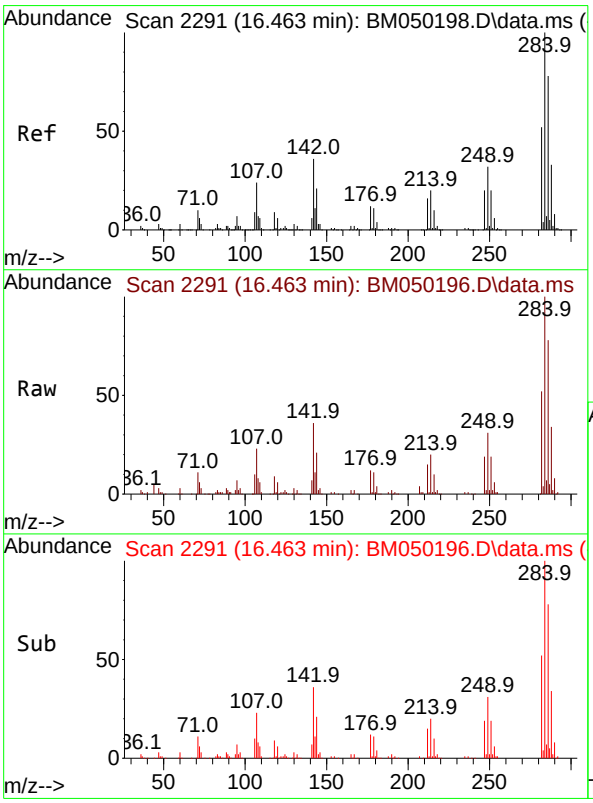
Ion	Ratio	Lower	Upper
248	100		
250	100.9	78.0	117.0
141	78.2	60.1	90.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

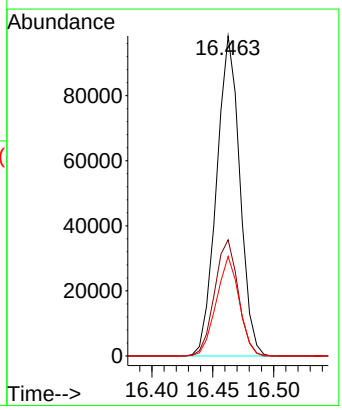


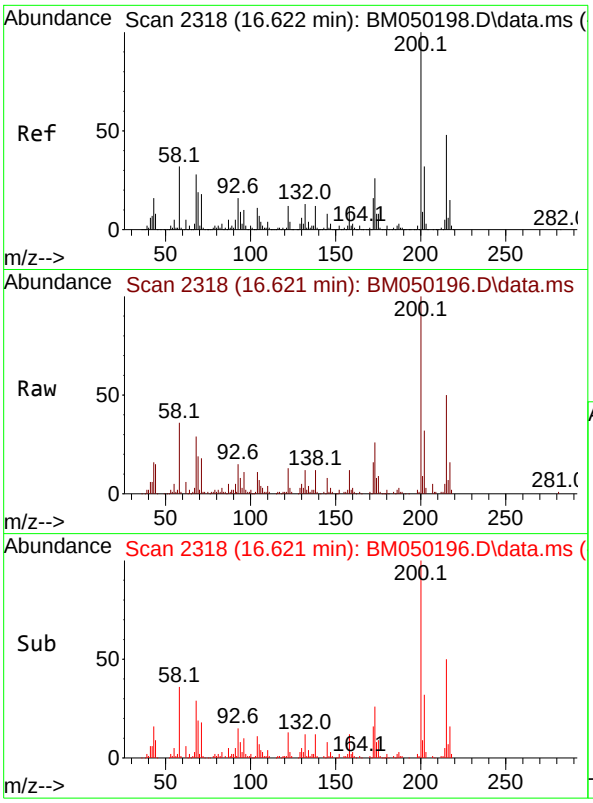


#68
Hexachlorobenzene
Concen: 9.622 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:284 Resp: 130925

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.8	43.2
249	31.1	25.8	38.6





#69
Atrazine
Concen: 8.846 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

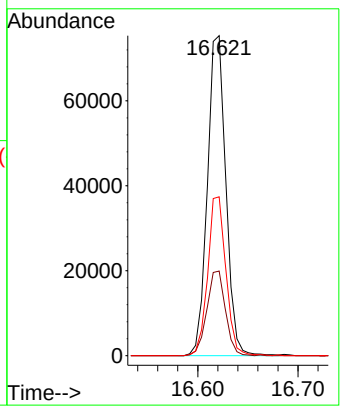
Tgt Ion:200 Resp: 9672

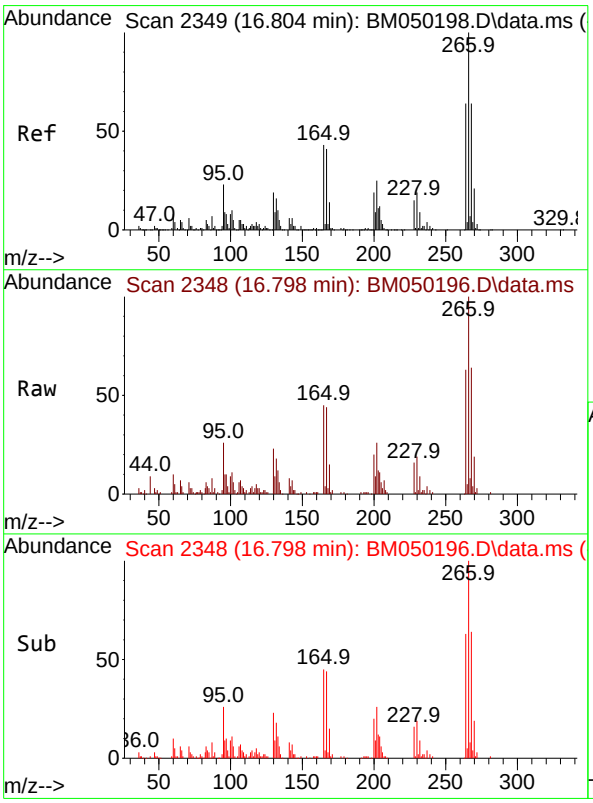
Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.0	46.0
215	49.6	28.1	68.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

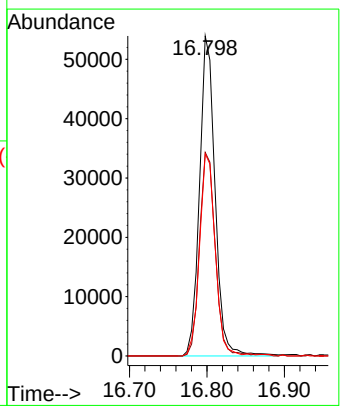


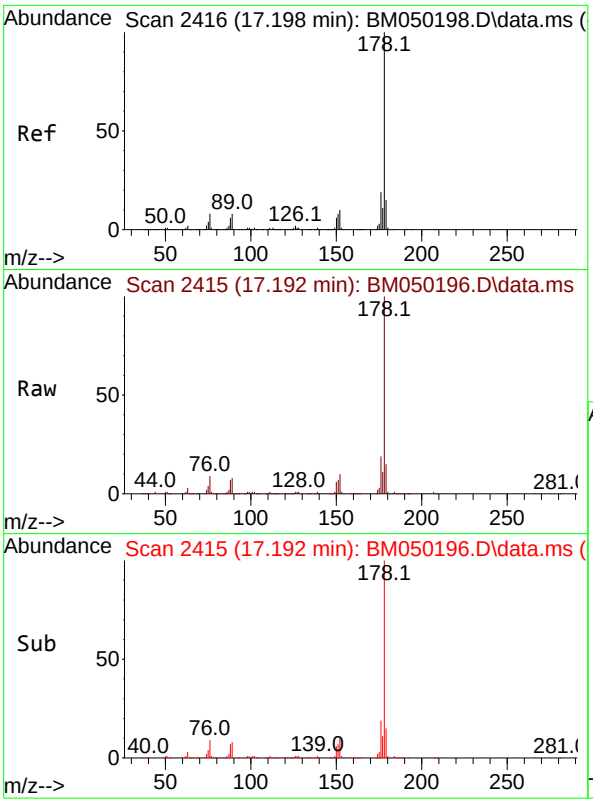


#70
Pentachlorophenol
Concen: 8.513 ng
RT: 16.798 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:266 Resp: 75315

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.0	76.6
264	63.1	50.8	76.2





#71
Phenanthrene
Concen: 10.114 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

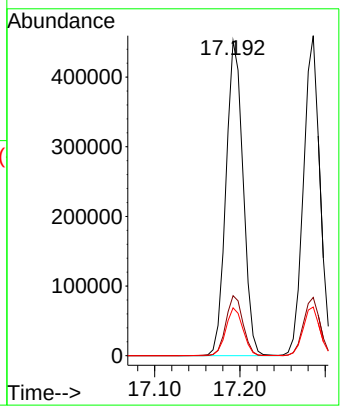
Tgt Ion:178 Resp: 63098

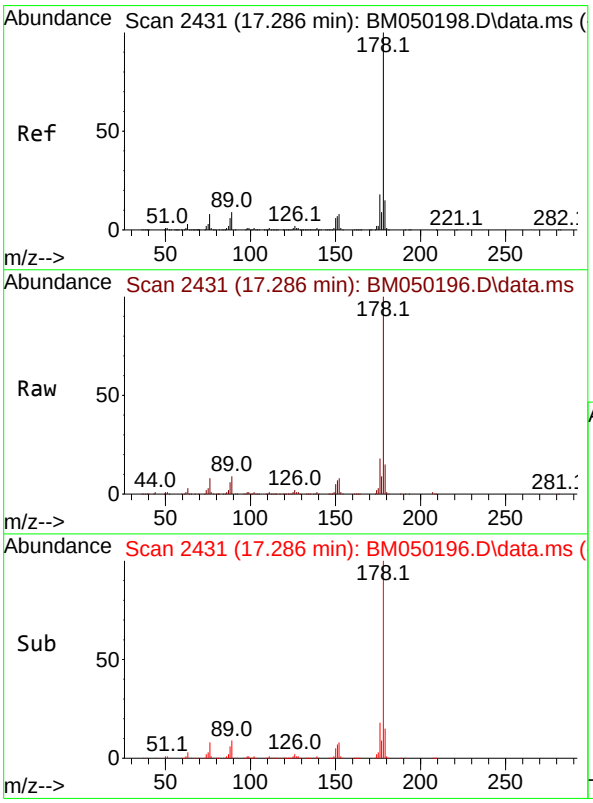
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.2	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

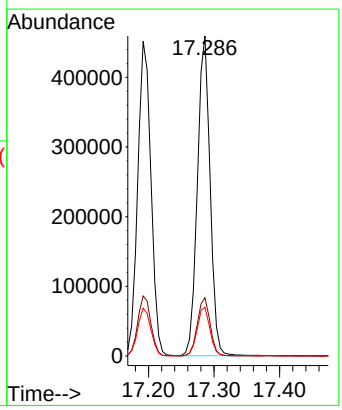


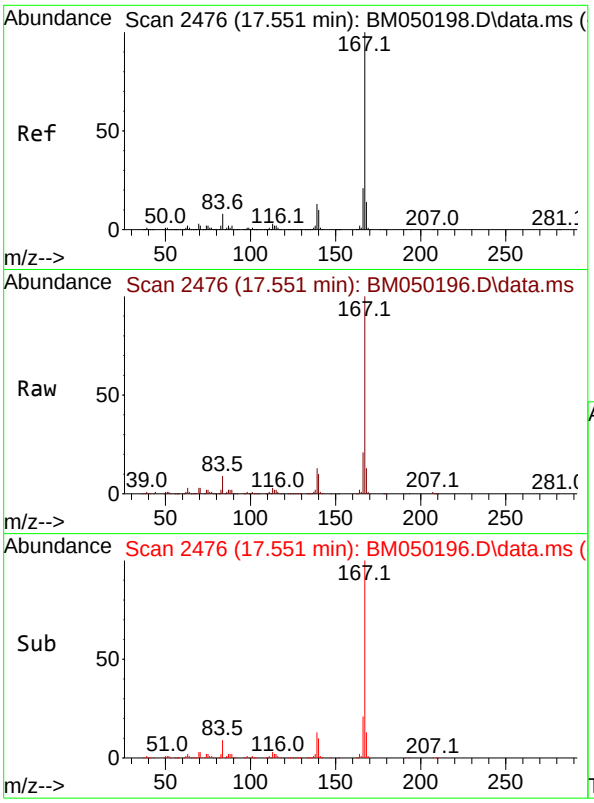


#72
Anthracene
Concen: 9.926 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:178 Resp: 619530

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.2	12.3	18.5

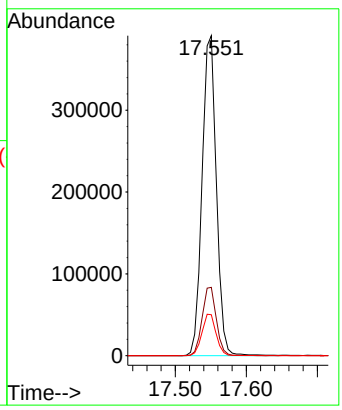




#73
Carbazole
Concen: 9.629 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:167 Resp: 54751

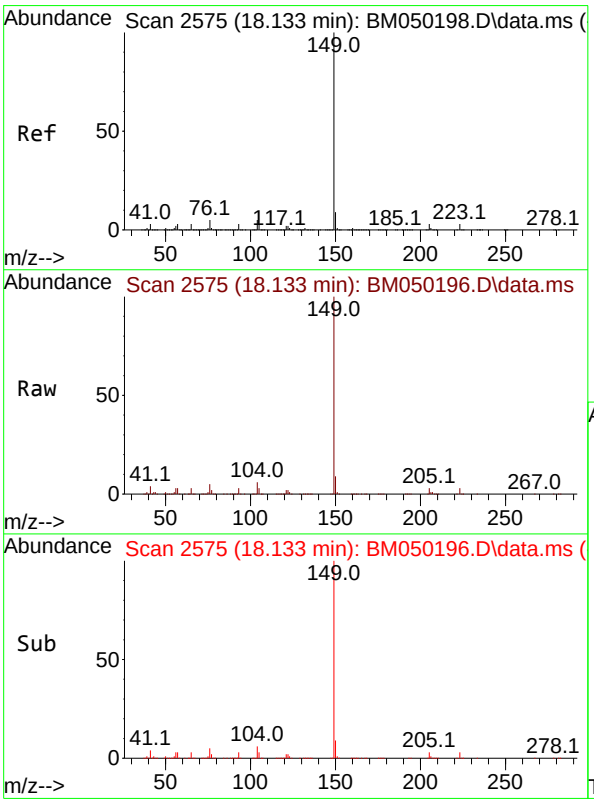
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

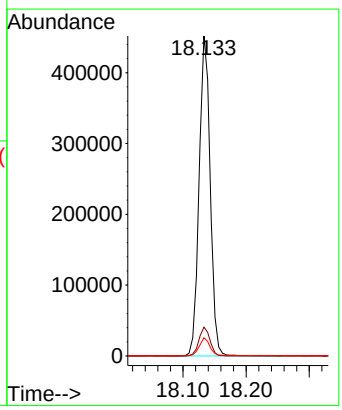
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

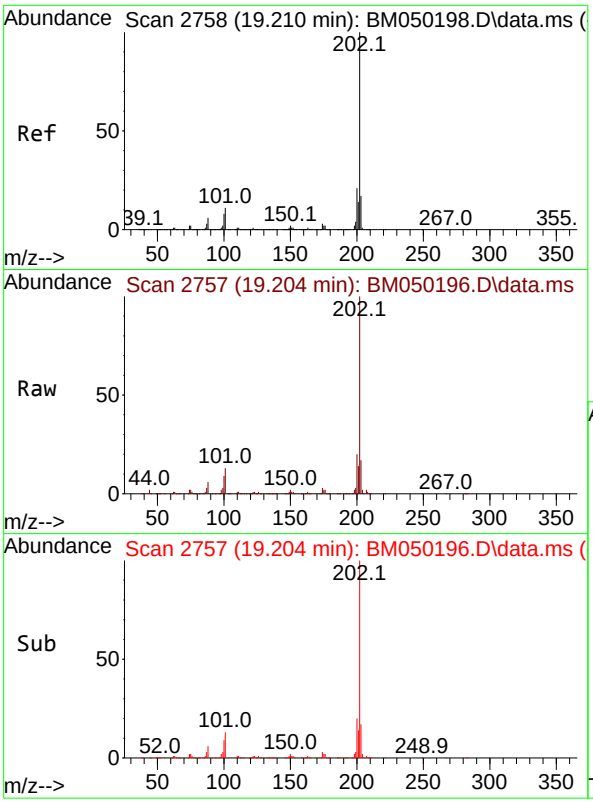


#74
Di-n-butylphthalate
Concen: 8.885 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:149 Resp: 549702

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.7	4.0	6.0





#75
Fluoranthene
Concen: 9.457 ng
RT: 19.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

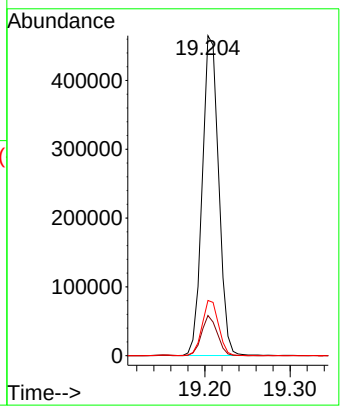
Tgt Ion:202 Resp: 62218

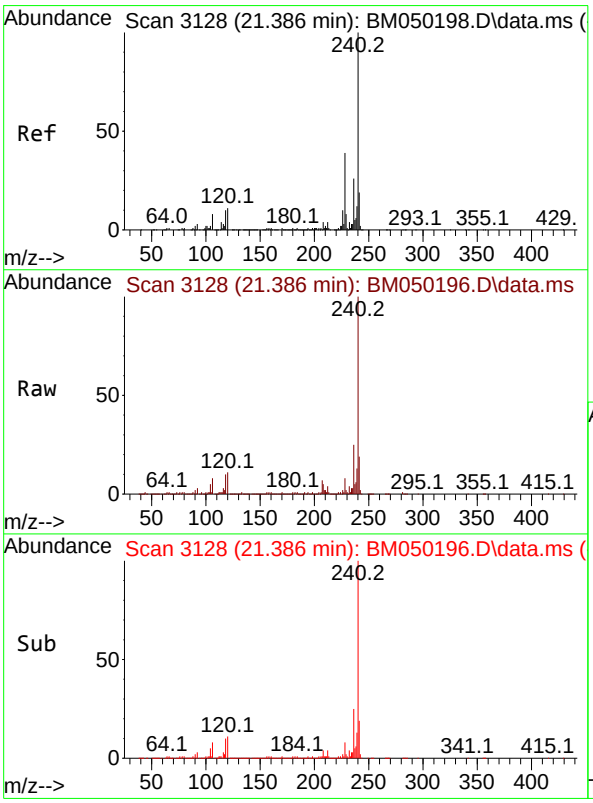
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.1
203	17.3	0.0	37.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

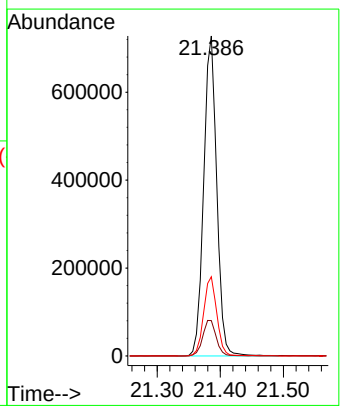


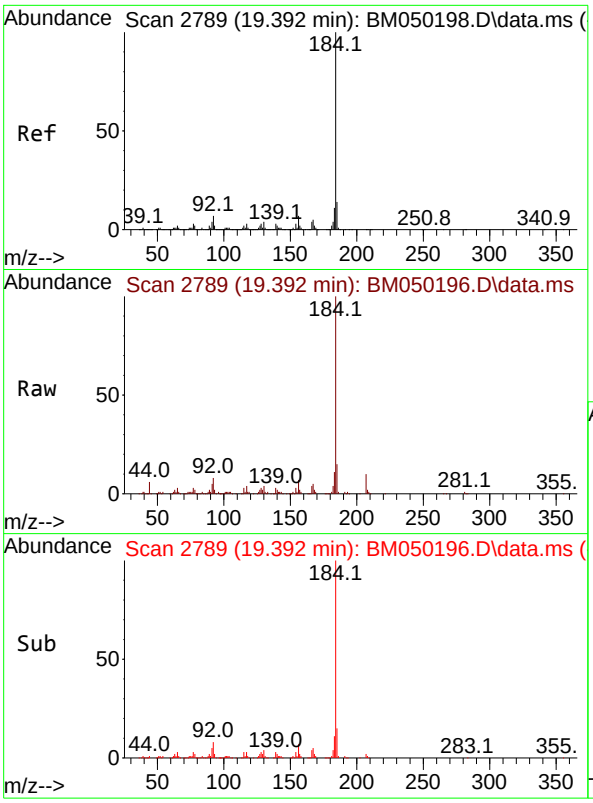


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:240 Resp: 1044209

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.4
236	24.8	20.7	31.1

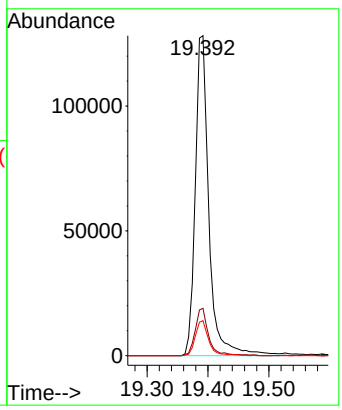




#77
Benzidine
Concen: 6.780 ng
RT: 19.392 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:184 Resp: 19908

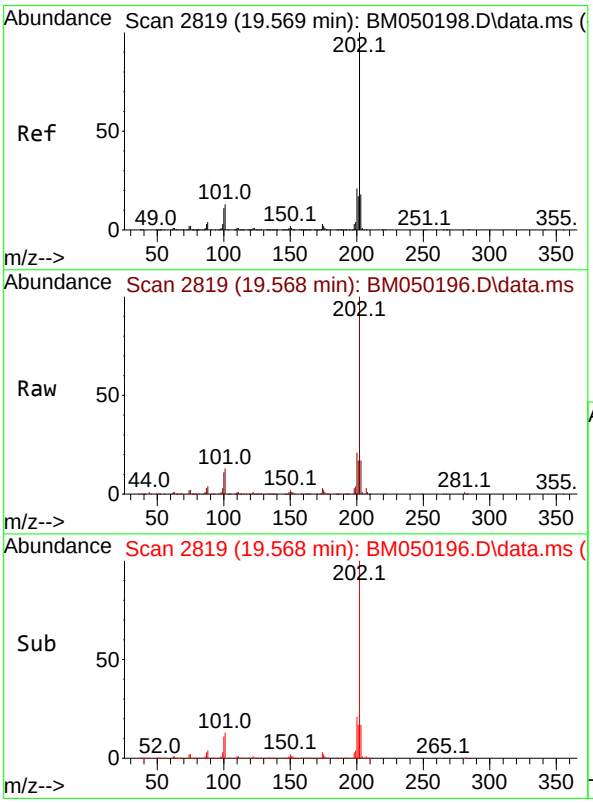
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.0	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

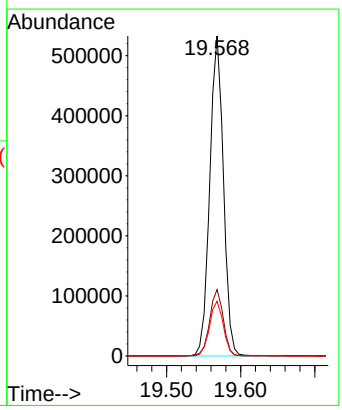
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

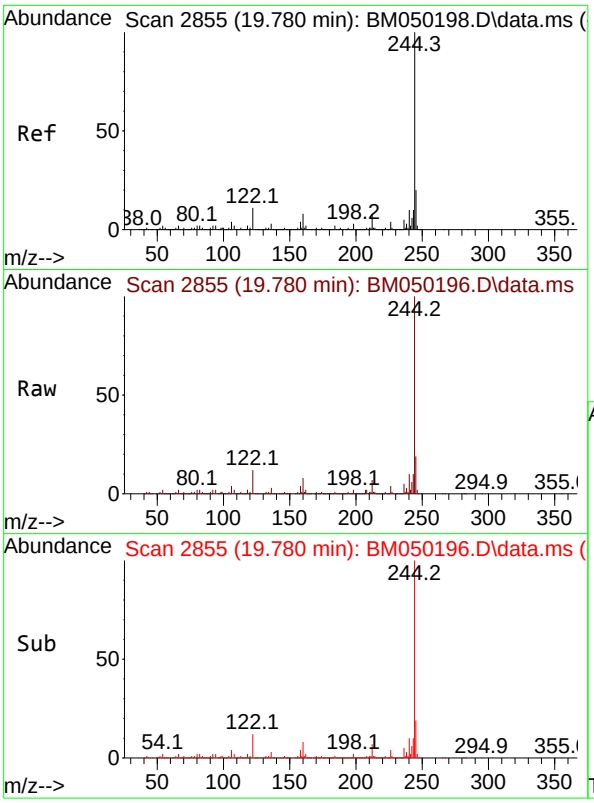


#78
Pyrene
Concen: 9.692 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:202 Resp: 682132

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.1	14.1	21.1

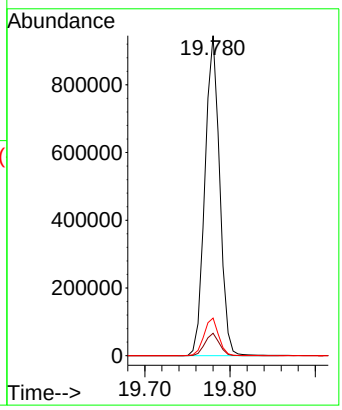




#79
Terphenyl-d14
Concen: 20.625 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:244 Resp: 113647

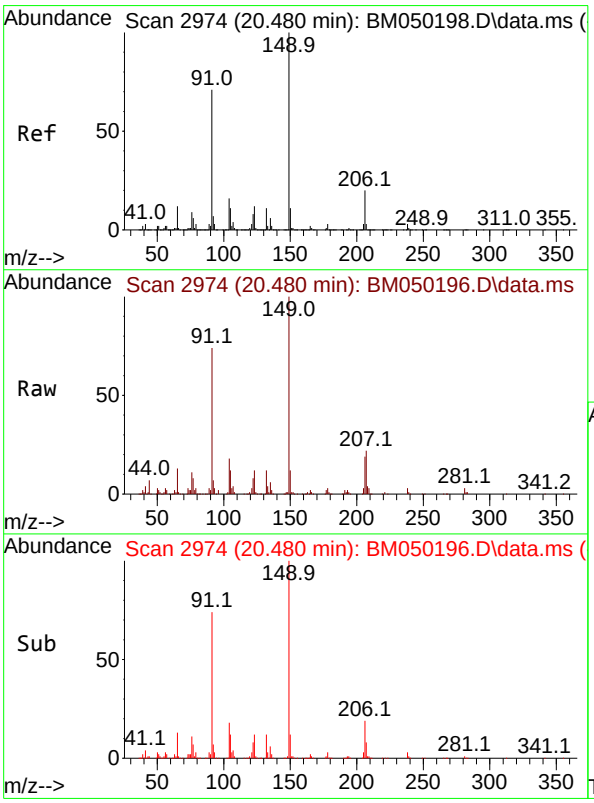
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.7	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

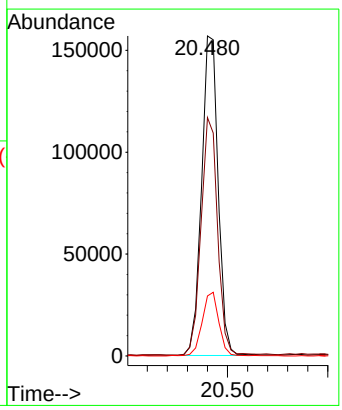
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

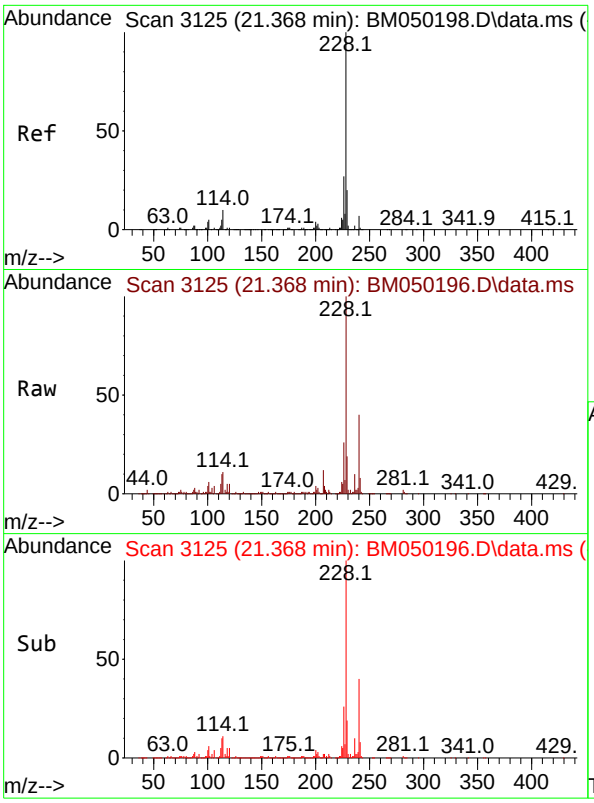


#80
Butylbenzylphthalate
Concen: 7.723 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:149 Resp: 181298

Ion	Ratio	Lower	Upper
149	100		
91	74.5	56.9	85.3
206	18.8	16.1	24.1

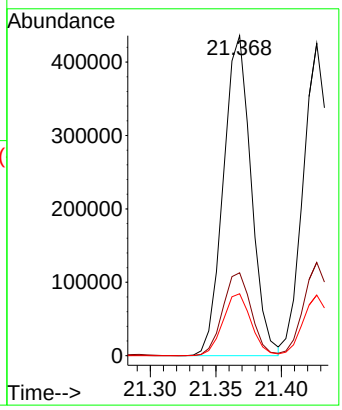




#81
Benzo(a)anthracene
Concen: 9.725 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:228 Resp: 64278

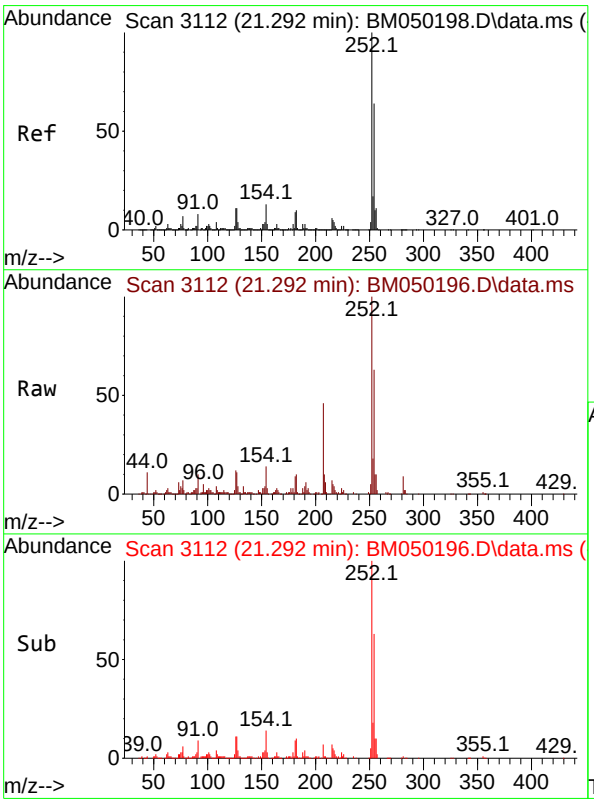
Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.7	32.5
229	19.3	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

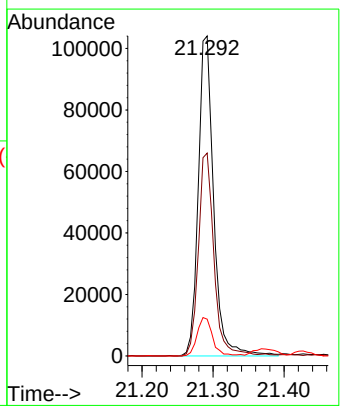
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

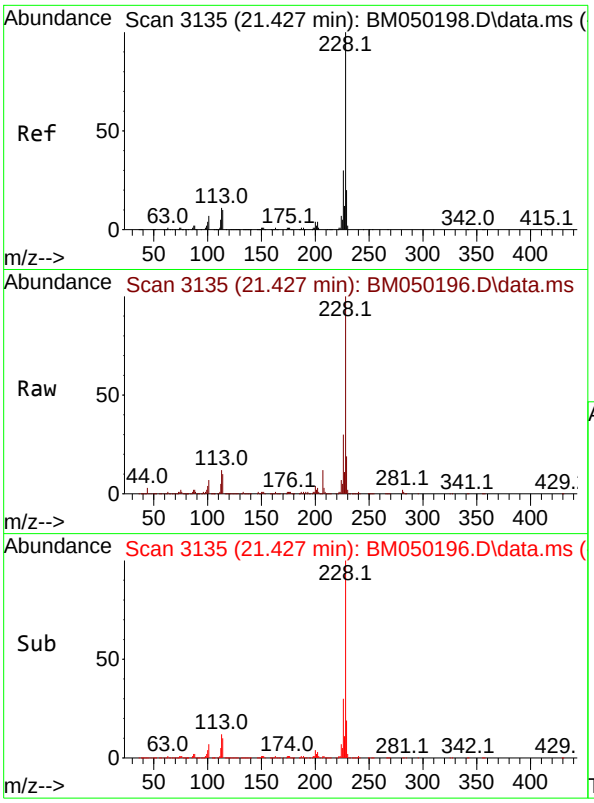


#82
3,3'-Dichlorobenzidine
Concen: 7.803 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:252 Resp: 157266

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.4	77.0
126	11.5	8.6	12.8

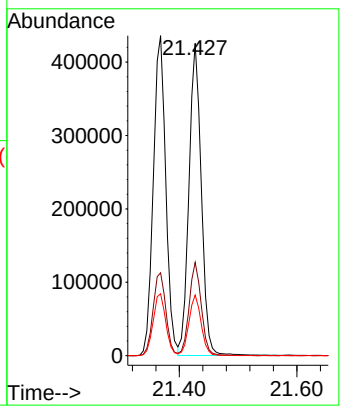




#83
Chrysene
Concen: 9.836 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:228 Resp: 61839

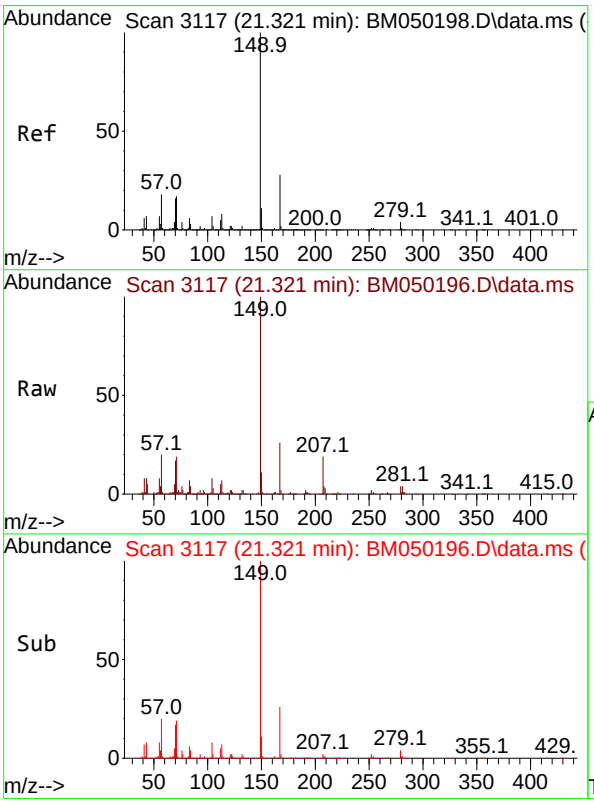
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.4	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

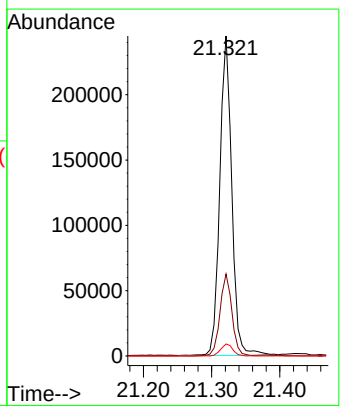
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

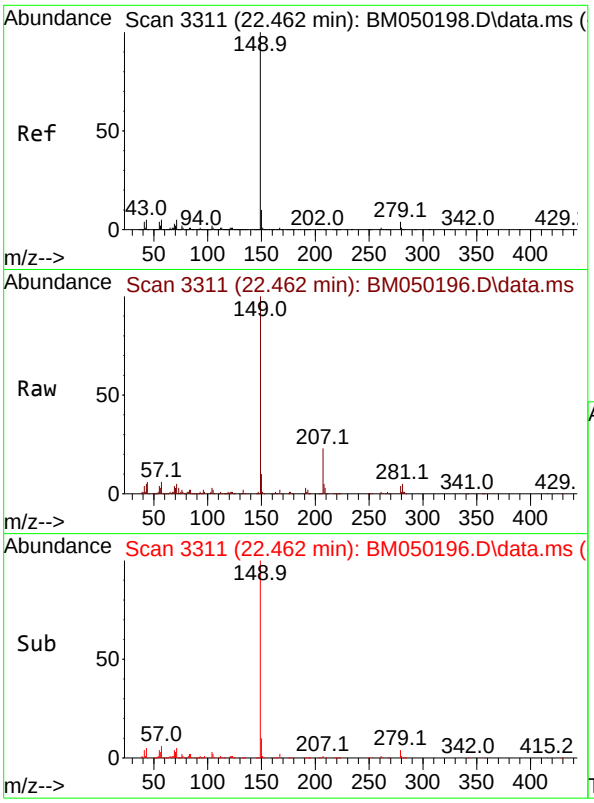


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.291 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:149 Resp: 299821

Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.3	33.5
279	3.8	3.5	5.3

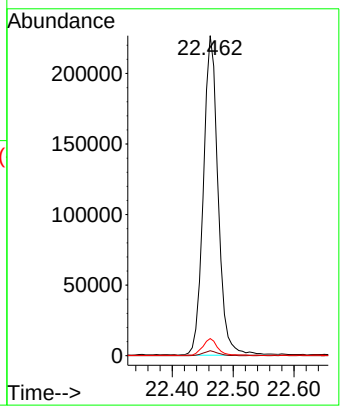




#85
Di-n-octyl phthalate
Concen: 7.094 ng
RT: 22.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:149 Resp: 38068

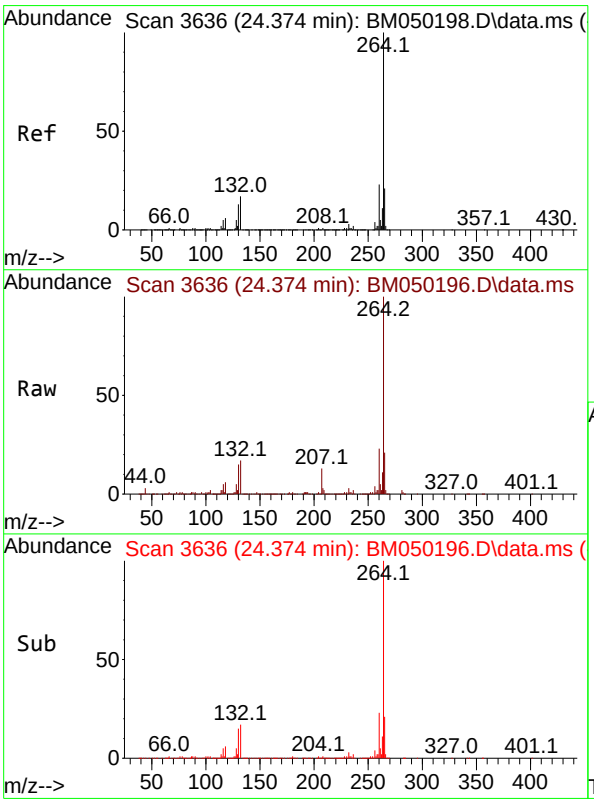
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	5.2	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

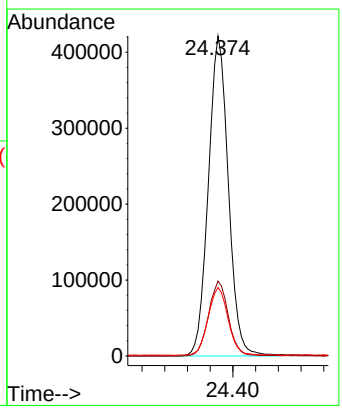
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

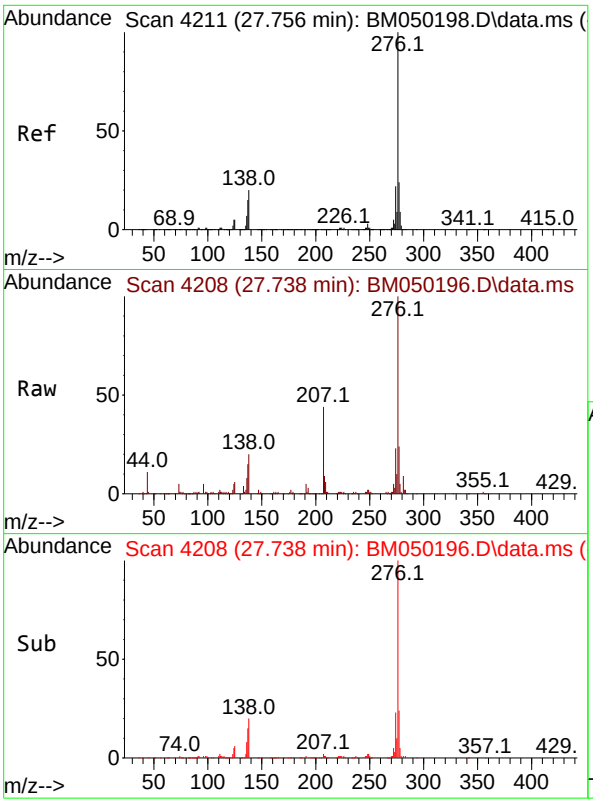


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:264 Resp: 1027174

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.4	16.8	25.2

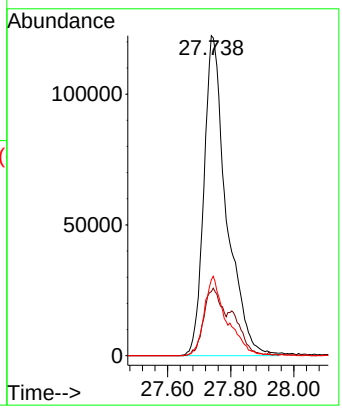




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.189 ng
RT: 27.738 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:276 Resp: 60772

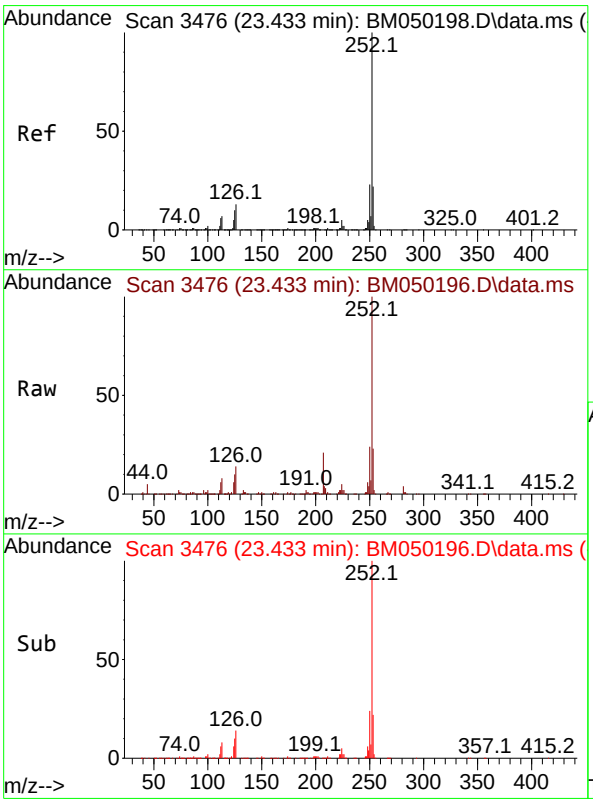
Ion	Ratio	Lower	Upper
276	100		
138	17.5	20.6	30.8
277	24.7	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

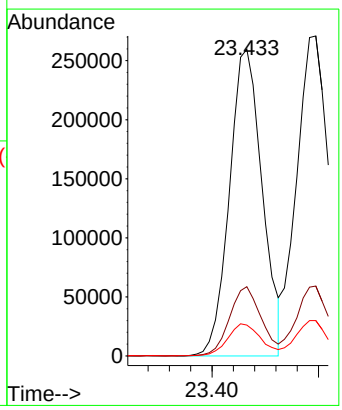
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

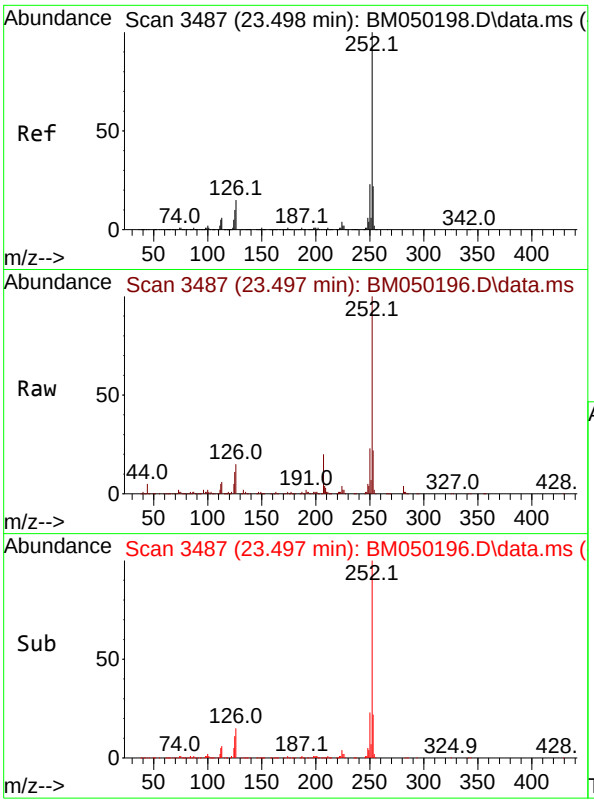


#88
Benzo(b)fluoranthene
Concen: 9.306 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:252 Resp: 555747

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.1	8.2	12.4

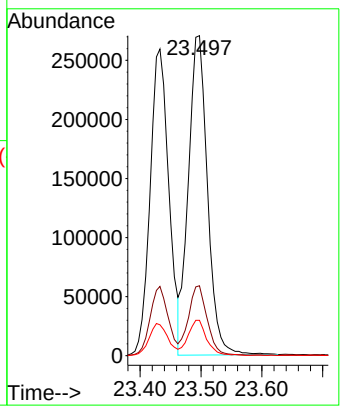




#89
Benzo(k)fluoranthene
Concen: 9.677 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:252 Resp: 58993

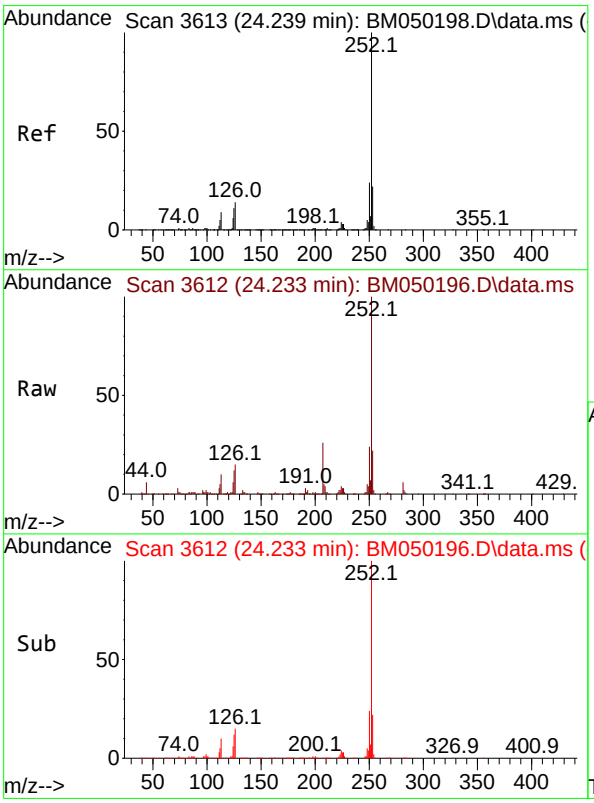
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.1	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

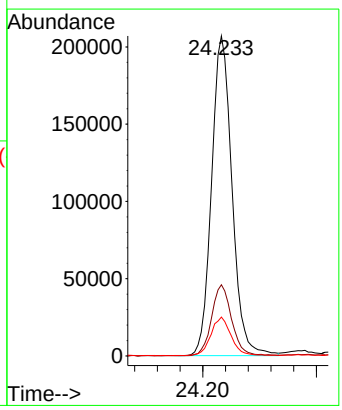
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

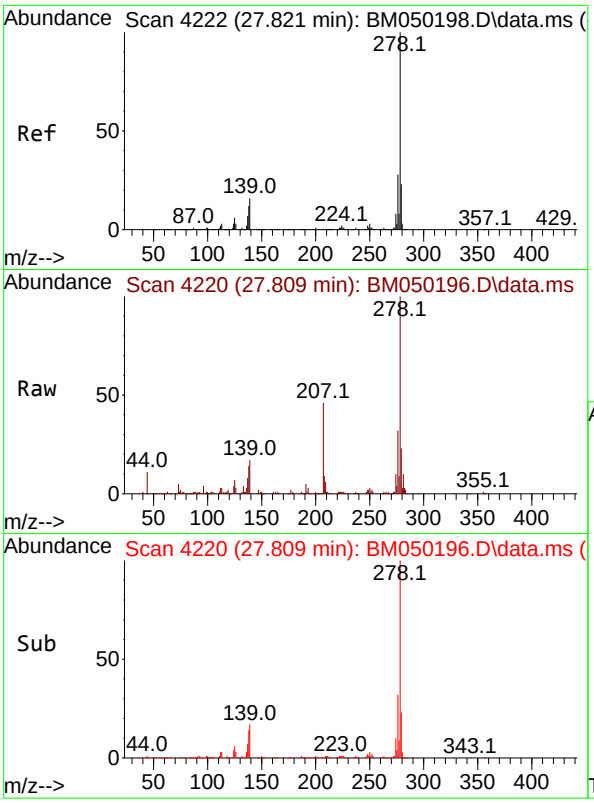


#90
Benzo(a)pyrene
Concen: 9.211 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.006 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:252 Resp: 517175

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.2	9.0	13.4

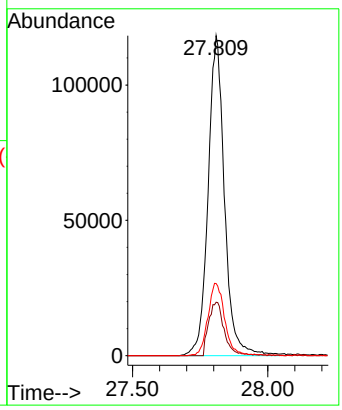




#91
Dibenzo(a,h)anthracene
Concen: 9.245 ng
RT: 27.809 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:278 Resp: 49632

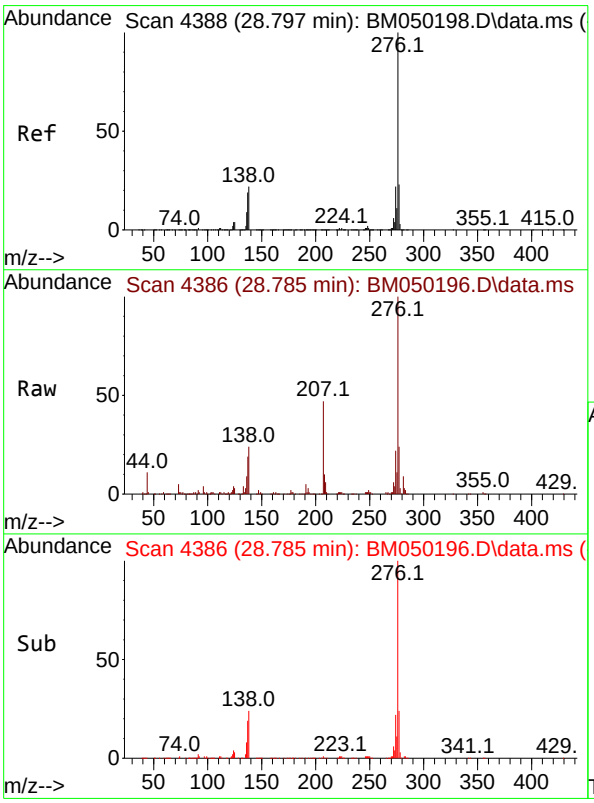
Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.8	19.2
279	22.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

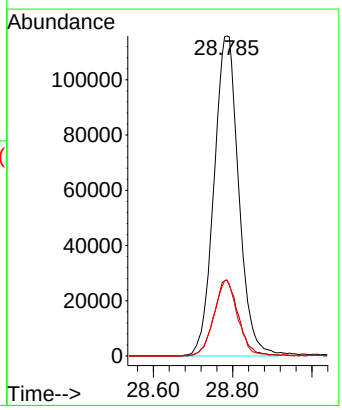
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#92
Benzo(g,h,i)perylene
Concen: 9.347 ng
RT: 28.785 min Scan# 4386
Delta R.T. -0.012 min
Lab File: BM050196.D
Acq: 05 Jun 2025 10:38

Tgt Ion:276 Resp: 502232

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	27.8
138	23.8	17.8	26.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	277976	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1171357	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	720692	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1364843	20.000	ng		0.00
76) Chrysene-d12	21.386	240	1240830	20.000	ng		0.00
86) Perylene-d12	24.374	264	1156806	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	662532	39.759	ng		0.00
7) Phenol-d6	6.946	99	899139	40.989	ng		0.00
23) Nitrobenzene-d5	8.934	82	917335	40.730	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	342402	41.770	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	2208837	41.494	ng		0.00
79) Terphenyl-d14	19.780	244	2892092	44.169	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	143316	19.620	ng		99
3) Pyridine	3.681	79	380901	20.136	ng		99
4) n-Nitrosodimethylamine	3.593	42	77508	19.815	ng	#	97
6) Aniline	7.110	93	596745	20.578	ng		100
8) 2-Chlorophenol	7.352	128	373594	20.382	ng		99
9) Benzaldehyde	6.928	77	299039m	21.441	ng		
10) Phenol	6.975	94	475205	20.474	ng		100
11) bis(2-Chloroethyl)ether	7.210	93	383515	20.543	ng		99
12) 1,3-Dichlorobenzene	7.681	146	414543	20.230	ng		98
13) 1,4-Dichlorobenzene	7.822	146	434797	20.394	ng		99
14) 1,2-Dichlorobenzene	8.140	146	414769	20.407	ng		99
15) Benzyl Alcohol	8.022	79	320142	20.462	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	270693	20.873	ng		98
17) 2-Methylphenol	8.222	107	314991	20.568	ng		97
18) Hexachloroethane	8.869	117	153532	19.885	ng		99
19) n-Nitroso-di-n-propyla...	8.593	70	297971	22.197	ng		98
20) 3+4-Methylphenols	8.546	107	426134	20.798	ng		98
22) Acetophenone	8.605	105	605945	20.706	ng	#	98
24) Nitrobenzene	8.975	77	420036	20.506	ng		97
25) Isophorone	9.504	82	802320	20.639	ng		100
26) 2-Nitrophenol	9.687	139	170594	19.294	ng		97
27) 2,4-Dimethylphenol	9.752	122	368697	20.275	ng		98
28) bis(2-Chloroethoxy)met...	9.993	93	523393	20.610	ng		99
29) 2,4-Dichlorophenol	10.222	162	338221	20.118	ng		99
30) 1,2,4-Trichlorobenzene	10.440	180	375562	20.074	ng		99
31) Naphthalene	10.628	128	1236626	20.419	ng		100
32) Benzoic acid	9.840	122	205878	18.032	ng		99
33) 4-Chloroaniline	10.728	127	531493	20.585	ng		99
34) Hexachlorobutadiene	10.922	225	221558	19.910	ng		99
35) Caprolactam	11.481	113	109175	20.483	ng		98
36) 4-Chloro-3-methylphenol	11.851	107	366554	20.433	ng		99
37) 2-Methylnaphthalene	12.240	142	752886	20.607	ng		98
38) 1-Methylnaphthalene	12.457	142	806687	20.803	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	421559	20.257	ng		100
41) Hexachlorocyclopentadiene	12.598	237	244251	19.326	ng		98
43) 2,4,6-Trichlorophenol	12.845	196	273306	19.971	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.910	196	305541	20.334	ng		98
46) 1,1'-Biphenyl	13.251	154	1091201	20.221	ng		98
47) 2-Chloronaphthalene	13.292	162	850349	20.269	ng		99
48) 2-Nitroaniline	13.481	65	181276	19.634	ng		96
49) Acenaphthylene	14.139	152	1398350	20.607	ng		99
50) Dimethylphthalate	13.875	163	1007787	20.677	ng		100
51) 2,6-Dinitrotoluene	13.981	165	204779	20.834	ng		96
52) Acenaphthene	14.481	154	854295	20.128	ng		99
53) 3-Nitroaniline	14.304	138	224884	20.528	ng		97
54) 2,4-Dinitrophenol	14.510	184	94248	19.130	ng		98
55) Dibenzofuran	14.816	168	1279459	20.605	ng		98
56) 4-Nitrophenol	14.604	139	191313	20.518	ng		100
57) 2,4-Dinitrotoluene	14.769	165	263119	20.293	ng		99
58) Fluorene	15.463	166	1004752	21.126	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.034	232	266423	20.493	ng		92
60) Diethylphthalate	15.245	149	1020737	21.107	ng		99
61) 4-Chlorophenyl-phenyle...	15.463	204	480887	20.921	ng		99
62) 4-Nitroaniline	15.463	138	210030	20.456	ng		98
63) Azobenzene	15.751	77	1019944	21.101	ng		97
65) 4,6-Dinitro-2-methylph...	15.528	198	138015	18.514	ng		97
66) n-Nitrosodiphenylamine	15.669	169	872651	20.349	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	293588	20.172	ng		99
68) Hexachlorobenzene	16.463	284	345929	20.343	ng		99
69) Atrazine	16.622	200	281360	20.591	ng		98
70) Pentachlorophenol	16.798	266	225494	20.396	ng		98
71) Phenanthrene	17.192	178	1583183	20.305	ng		99
72) Anthracene	17.286	178	1603637	20.560	ng		99
73) Carbazole	17.551	167	1450582	20.414	ng		99
74) Di-n-butylphthalate	18.133	149	1619797	20.950	ng		100
75) Fluoranthene	19.210	202	1679948	20.431	ng		99
77) Benzidine	19.392	184	704620	20.194	ng		99
78) Pyrene	19.569	202	1791963	21.427	ng		100
80) Butylbenzylphthalate	20.480	149	570581	20.453	ng		98
81) Benzo(a)anthracene	21.363	228	1610203	20.502	ng		100
82) 3,3'-Dichlorobenzidine	21.286	252	470294	19.636	ng		98
83) Chrysene	21.427	228	1519821	20.343	ng		99
84) Bis(2-ethylhexyl)phtha...	21.315	149	871329	20.277	ng		98
85) Di-n-octyl phthalate	22.457	149	1161953	18.223	ng		99
87) Indeno(1,2,3-cd)pyrene	27.739	276	1450383	19.472	ng	#	91
88) Benzo(b)fluoranthene	23.427	252	1393549	20.720	ng		99
89) Benzo(k)fluoranthene	23.492	252	1413975	20.594	ng		100
90) Benzo(a)pyrene	24.233	252	1284647	20.315	ng		98
91) Dibenzo(a,h)anthracene	27.809	278	1181274	19.538	ng		99
92) Benzo(g,h,i)perylene	28.791	276	1171360	19.358	ng		99

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

ICAL Form

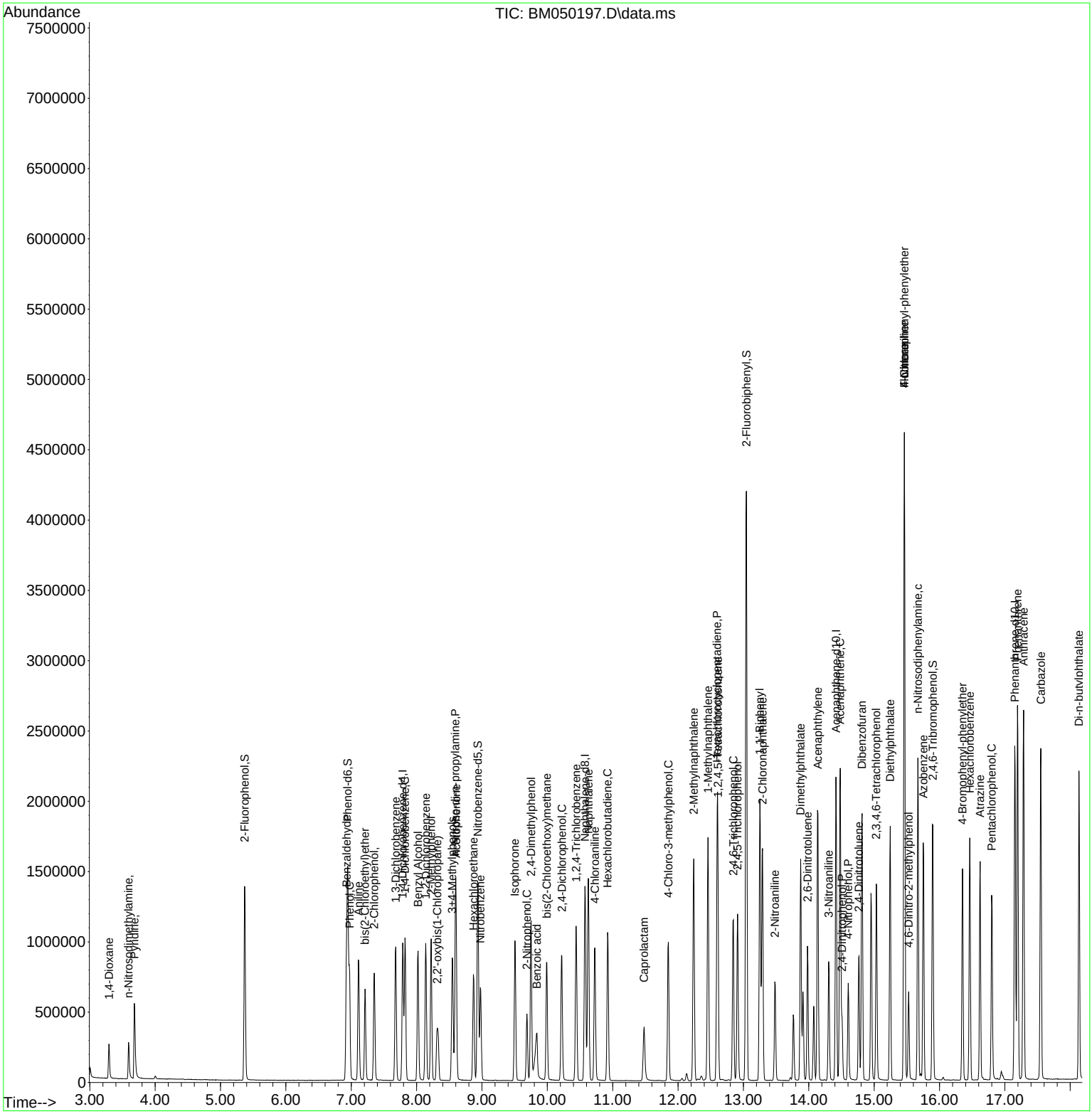
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



ICAL Form

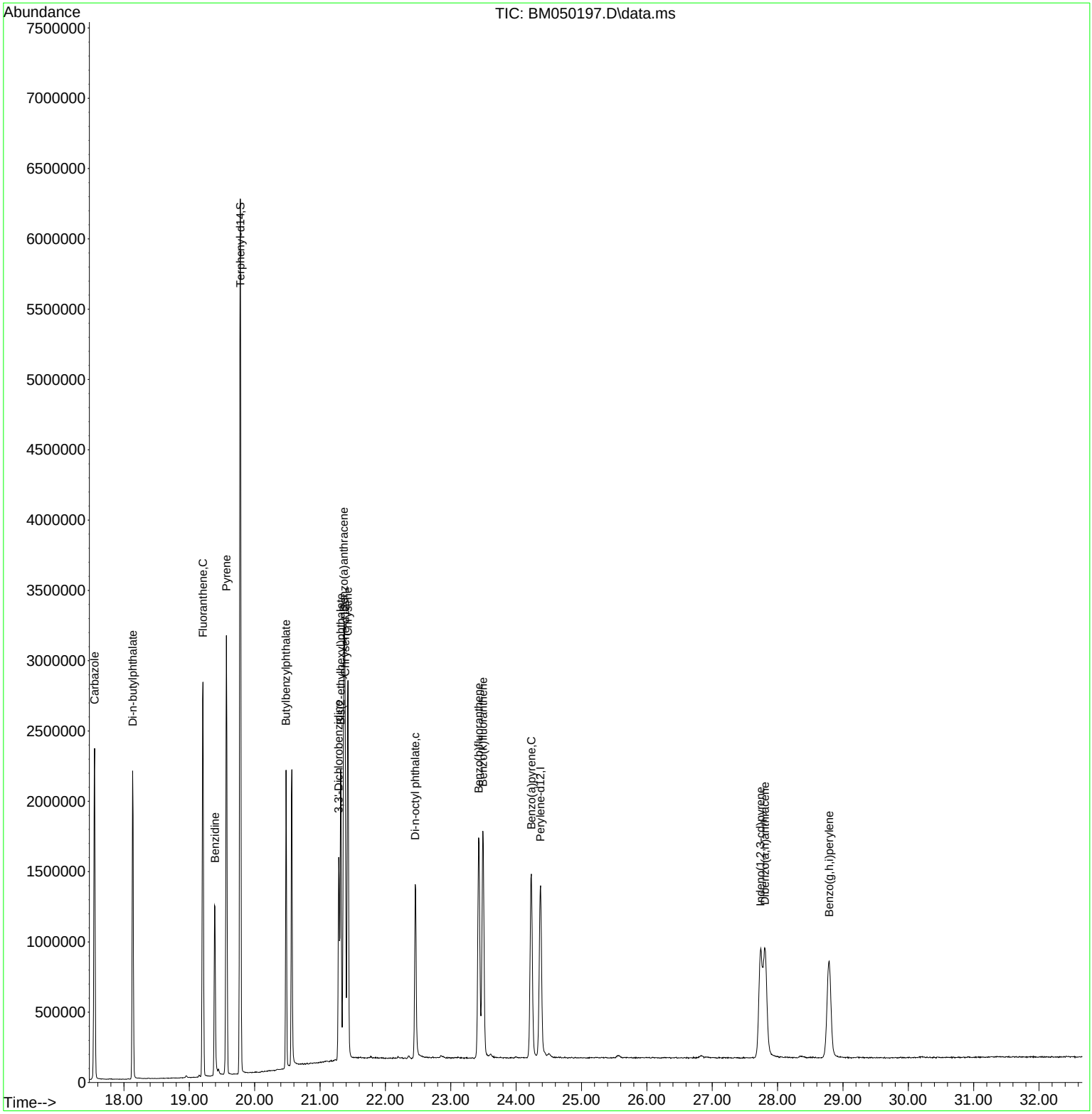
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

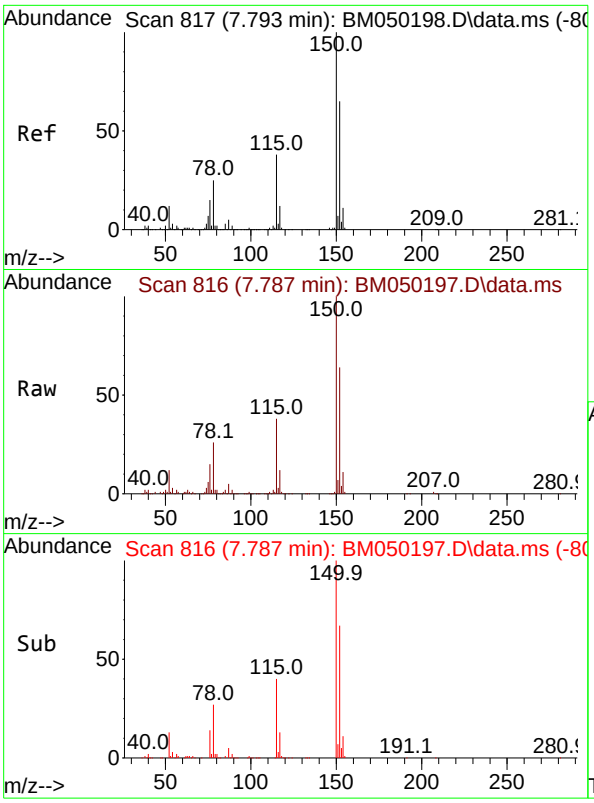
Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

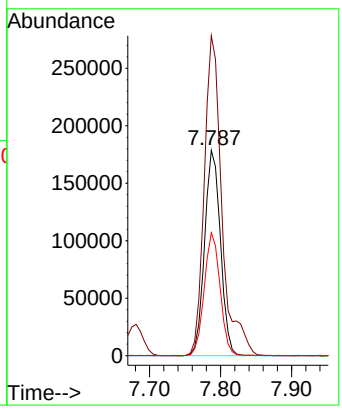




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:152 Resp: 27797

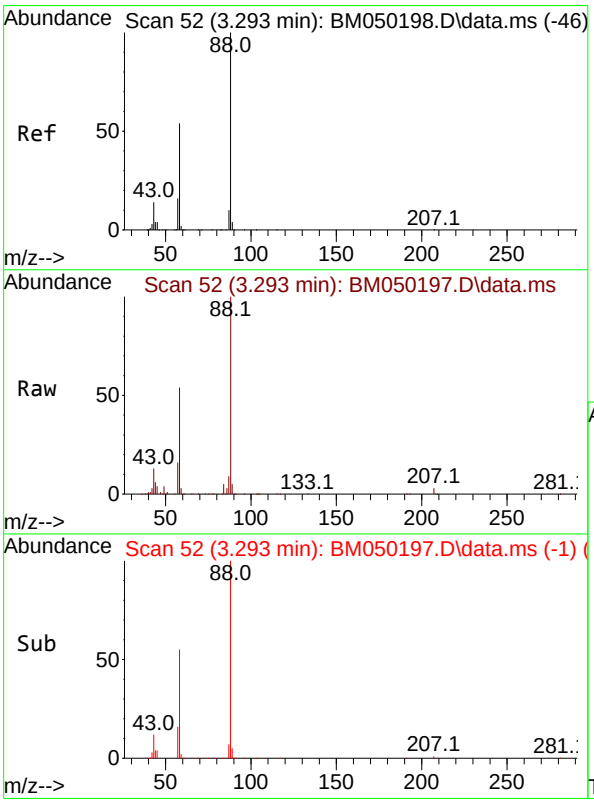
Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.2	183.4
115	59.9	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

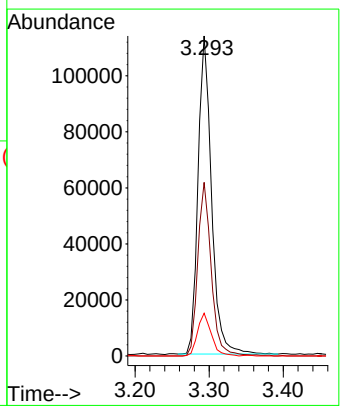
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

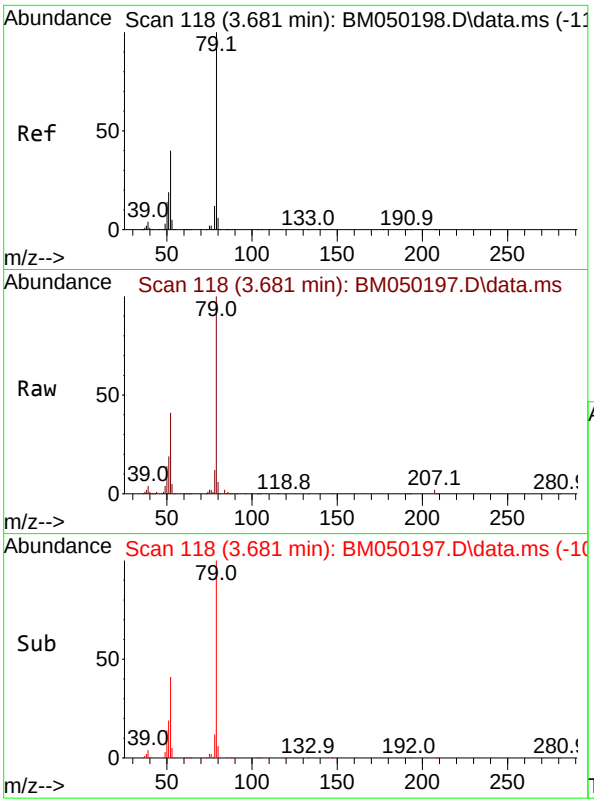


#2
1,4-Dioxane
Concen: 19.620 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 88 Resp: 143316

Ion	Ratio	Lower	Upper
88	100		
58	54.4	42.9	64.3
43	13.7	11.0	16.6

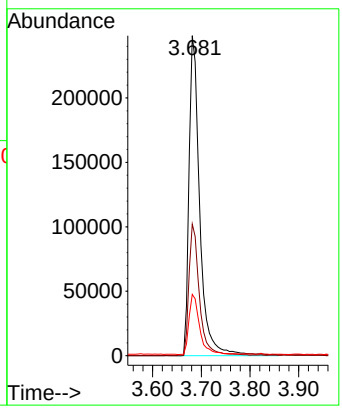




#3
Pyridine
Concen: 20.136 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 79 Resp: 38090

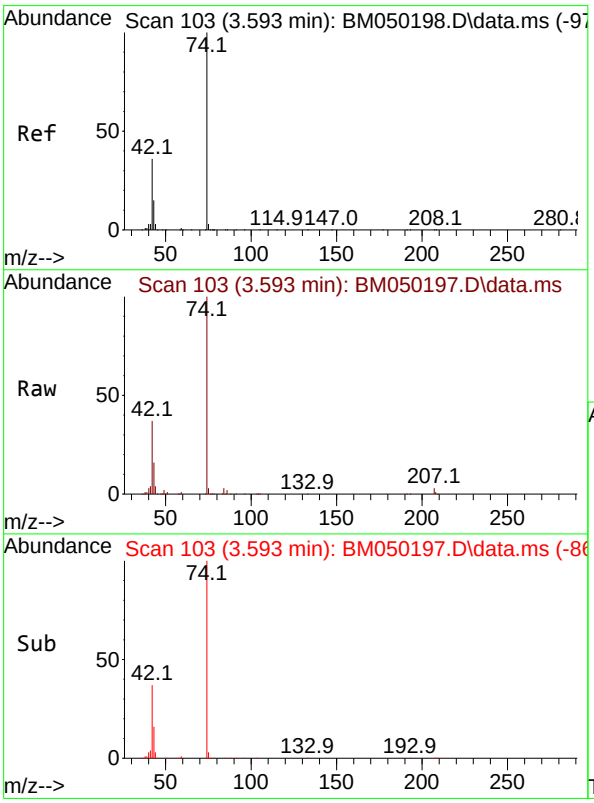
Ion	Ratio	Lower	Upper
79	100		
52	41.1	32.1	48.1
51	19.2	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

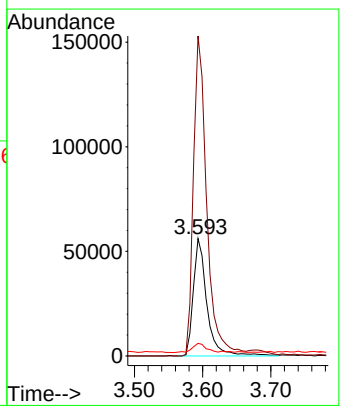
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

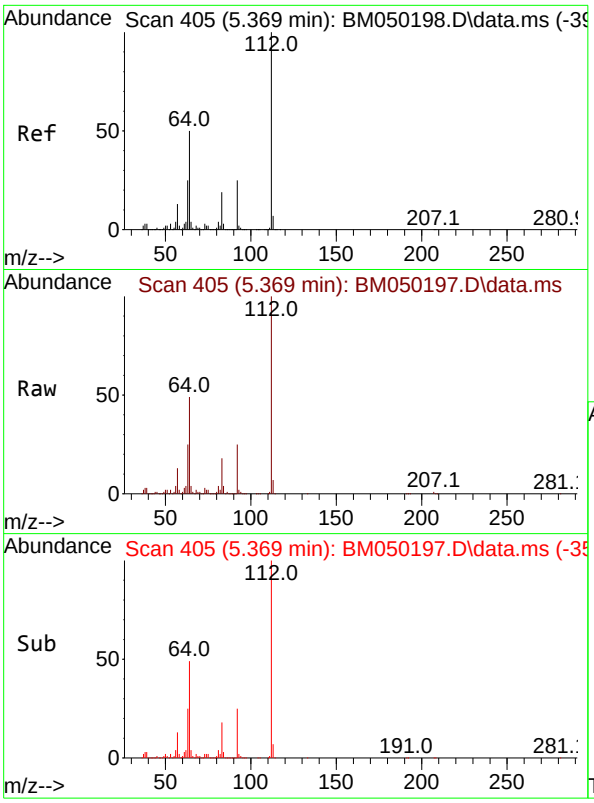


#4
n-Nitrosodimethylamine
Concen: 19.815 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 42 Resp: 77508

Ion	Ratio	Lower	Upper
42	100		
74	272.5	222.0	333.0
44	10.8	7.0	10.6#

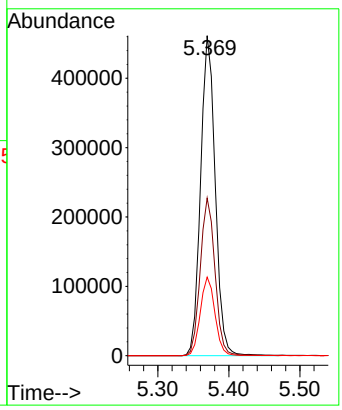




#5
2-Fluorophenol
Concen: 39.759 ng
RT: 5.369 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:112 Resp: 66253

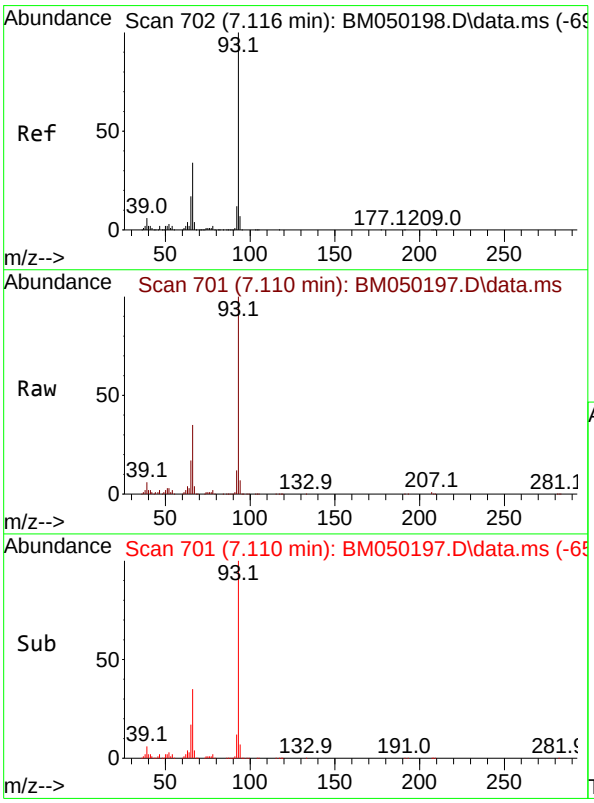
Ion	Ratio	Lower	Upper
112	100		
64	49.2	39.8	59.6
63	24.5	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

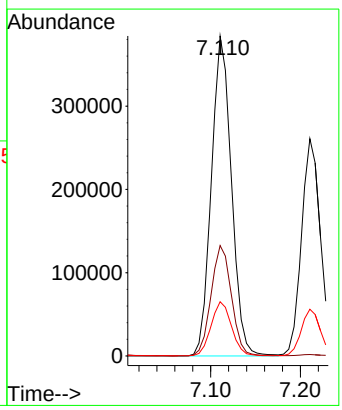
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

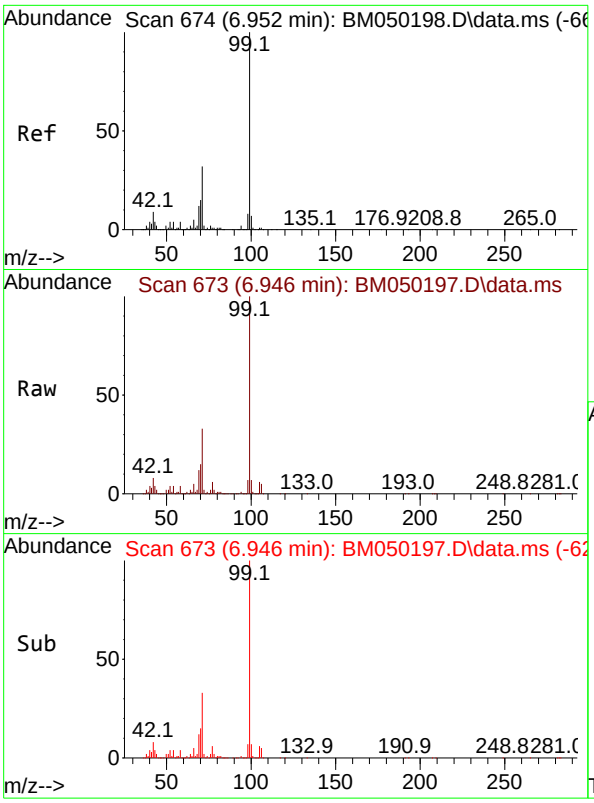


#6
Aniline
Concen: 20.578 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 93 Resp: 596745

Ion	Ratio	Lower	Upper
93	100		
66	34.5	27.4	41.2
65	16.9	13.6	20.4

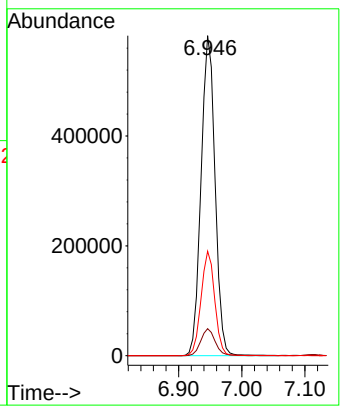




#7
Phenol-d6
Concen: 40.989 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 99 Resp: 89913

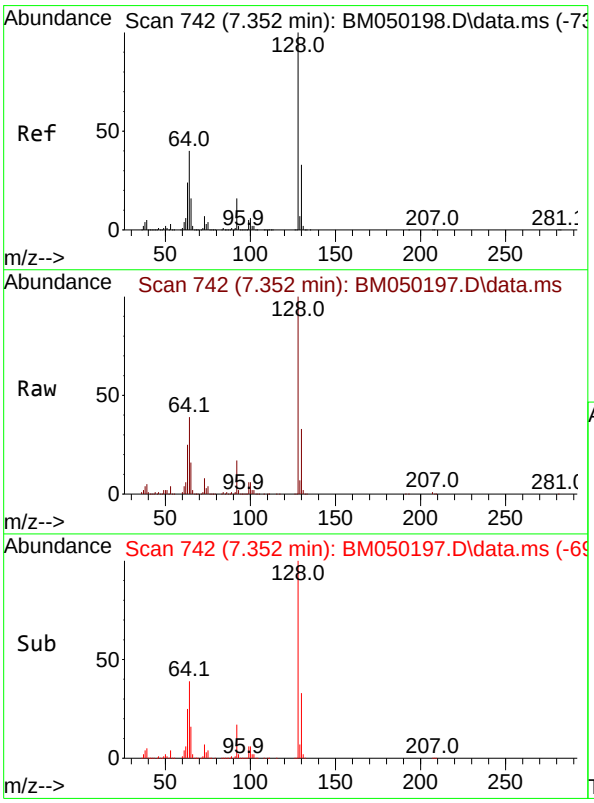
Ion	Ratio	Lower	Upper
99	100		
42	8.4	6.9	10.3
71	32.6	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

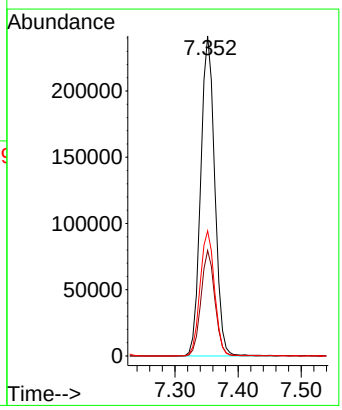
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

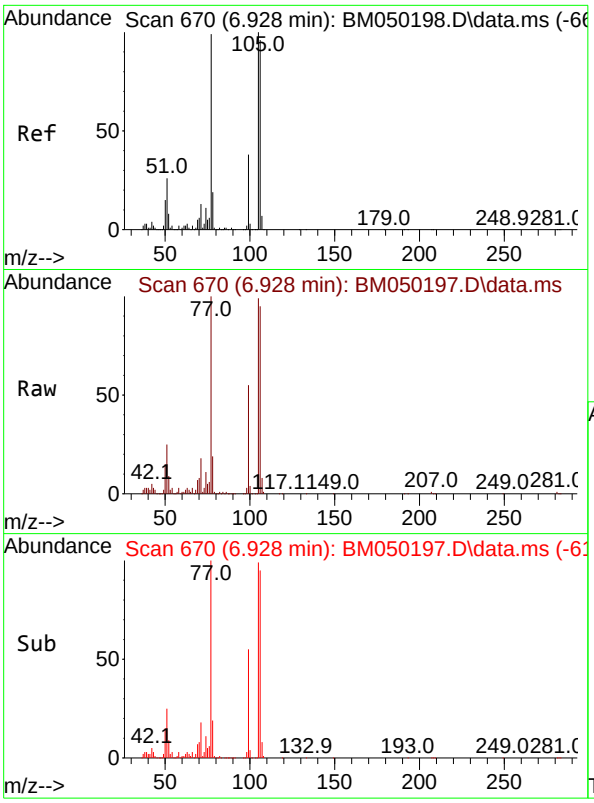


#8
2-Chlorophenol
Concen: 20.382 ng
RT: 7.352 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:128 Resp: 373594

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	39.1	19.8	59.8

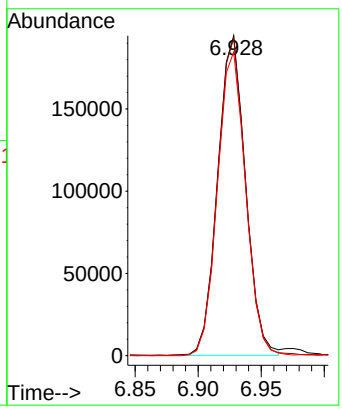




#9
Benzaldehyde
Concen: 21.441 ng m
RT: 6.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 77 Resp: 29903

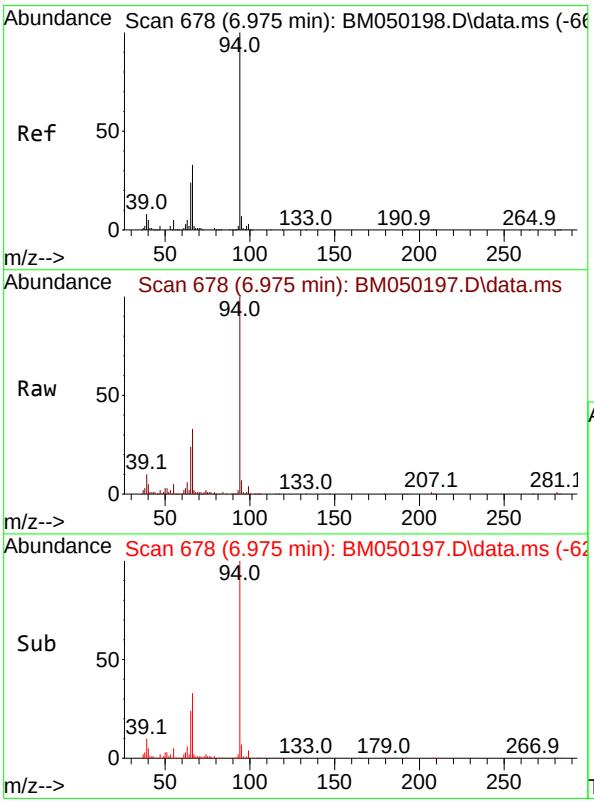
Ion	Ratio	Lower	Upper
77	100		
105	99.2	80.9	120.9
106	95.0	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

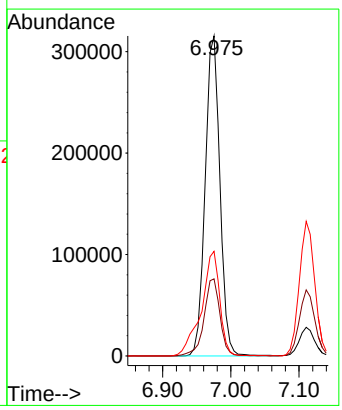
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

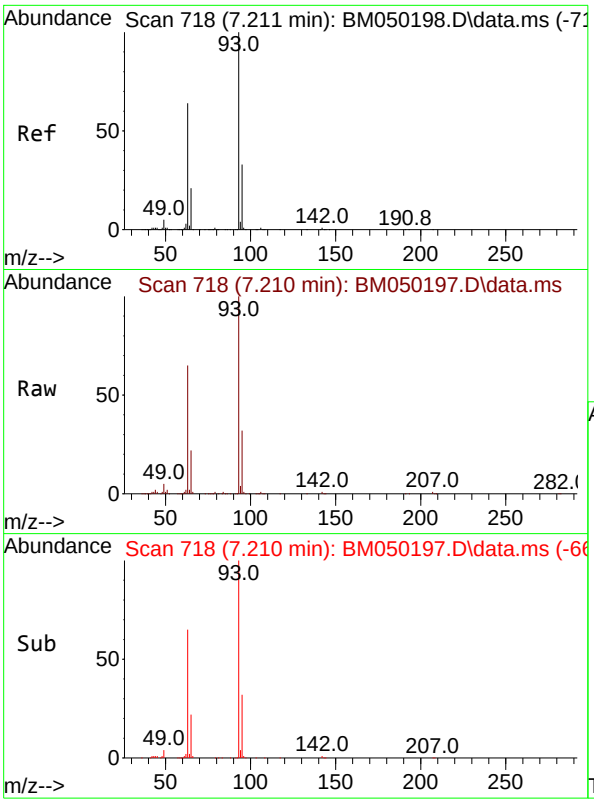


#10
Phenol
Concen: 20.474 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 94 Resp: 475205

Ion	Ratio	Lower	Upper
94	100		
65	24.1	4.3	44.3
66	32.7	12.9	52.9

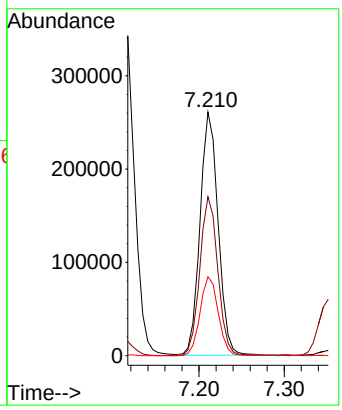




#11
bis(2-Chloroethyl)ether
Concen: 20.543 ng
RT: 7.210 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 93 Resp: 38351

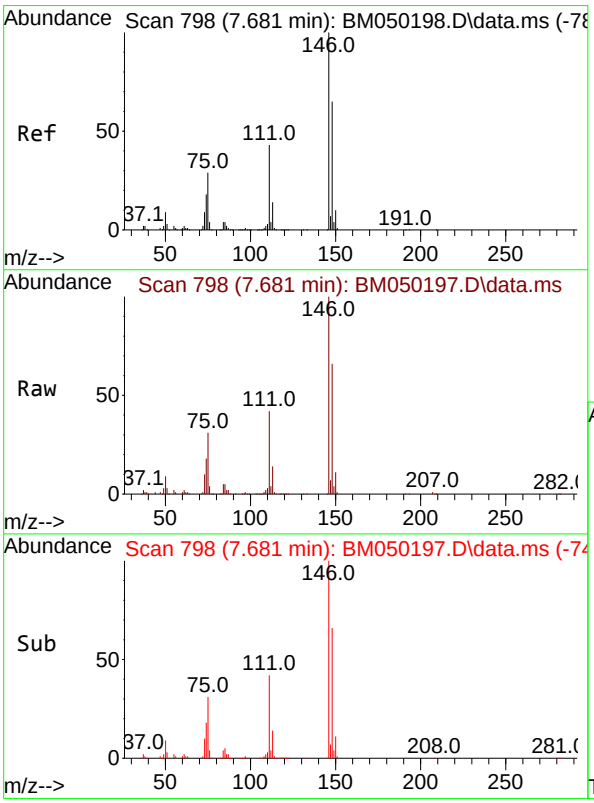
Ion	Ratio	Lower	Upper
93	100		
63	65.3	43.9	83.9
95	32.4	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

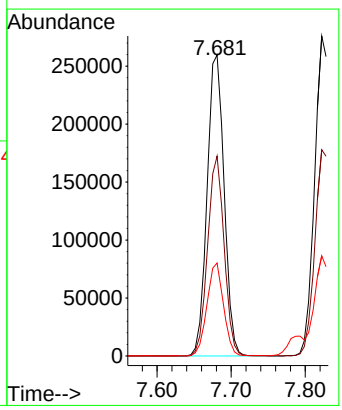
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

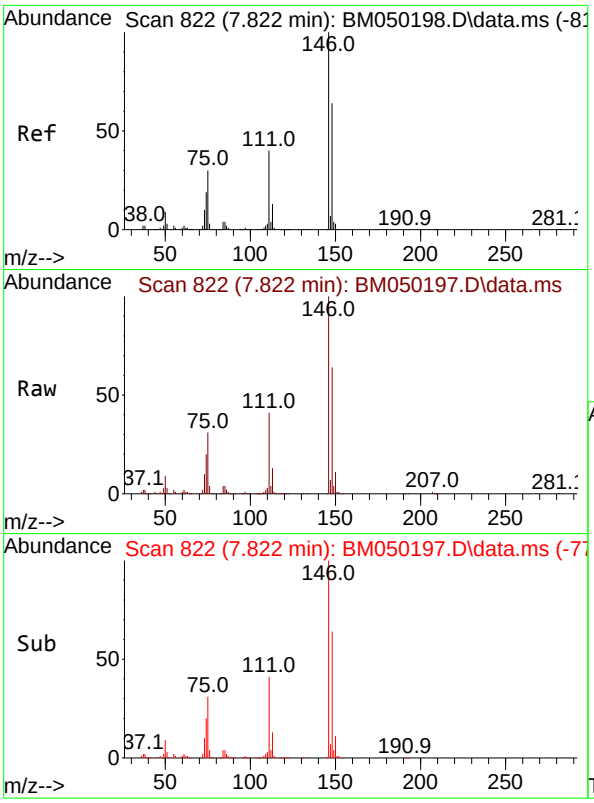


#12
1,3-Dichlorobenzene
Concen: 20.230 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:146 Resp: 414543

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.9	77.9
75	30.9	23.4	35.0

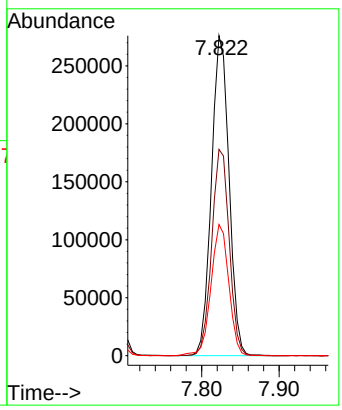




#13
1,4-Dichlorobenzene
Concen: 20.394 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:146 Resp: 43479

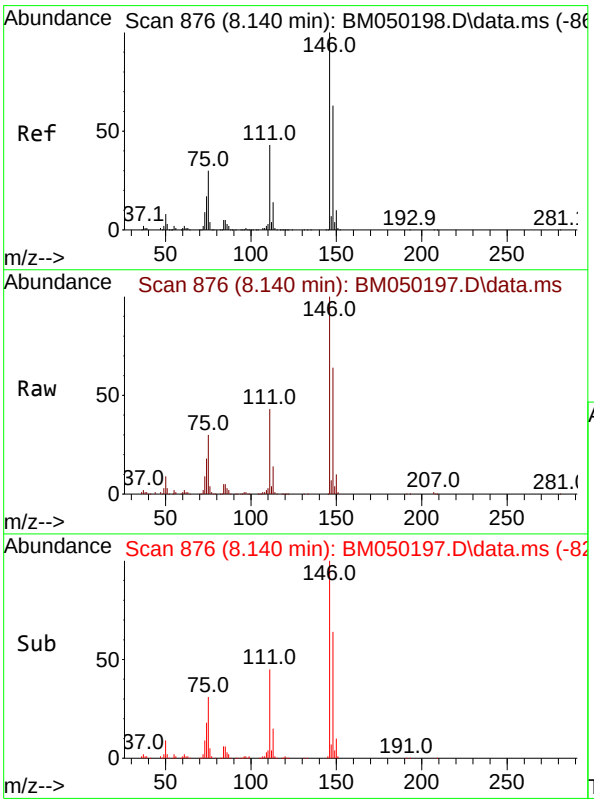
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
111	41.0	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

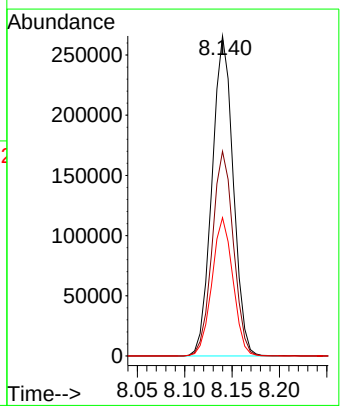
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

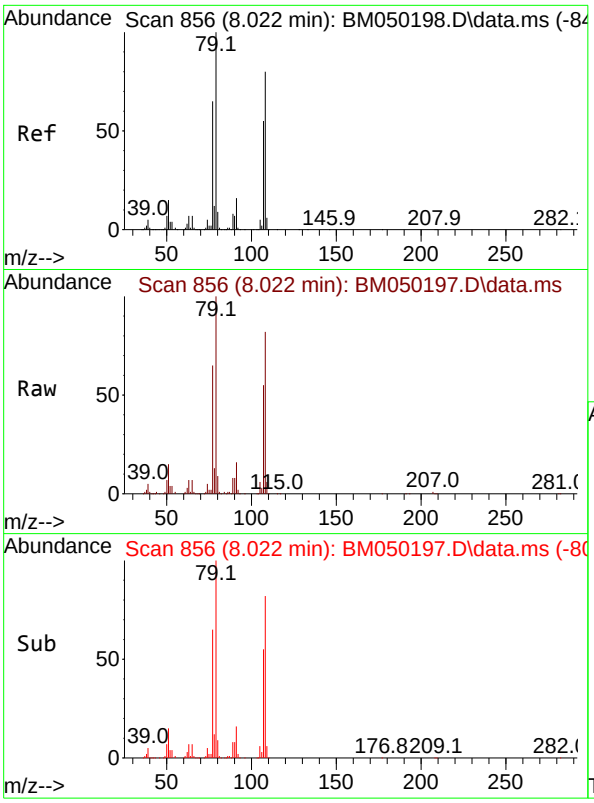


#14
1,2-Dichlorobenzene
Concen: 20.407 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:146 Resp: 414769

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.4	75.6
111	43.2	34.3	51.5

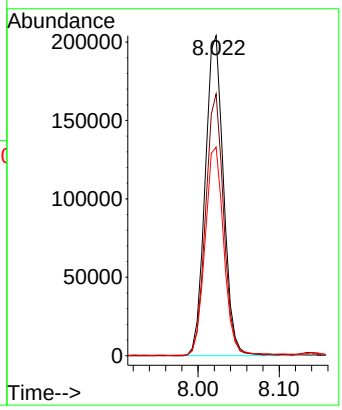




#15
Benzyl Alcohol
Concen: 20.462 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 79 Resp: 32014

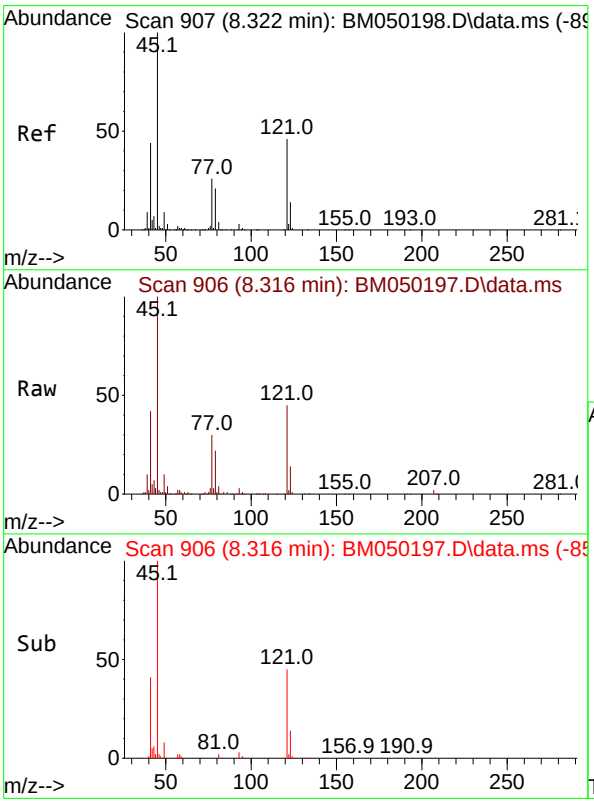
Ion	Ratio	Lower	Upper
79	100		
108	81.8	64.0	96.0
77	65.2	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

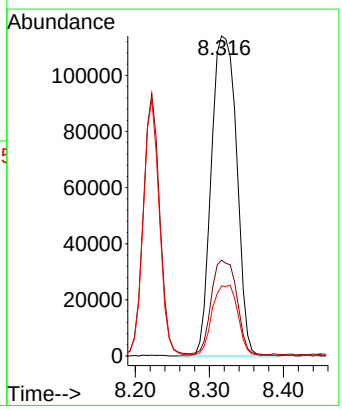
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

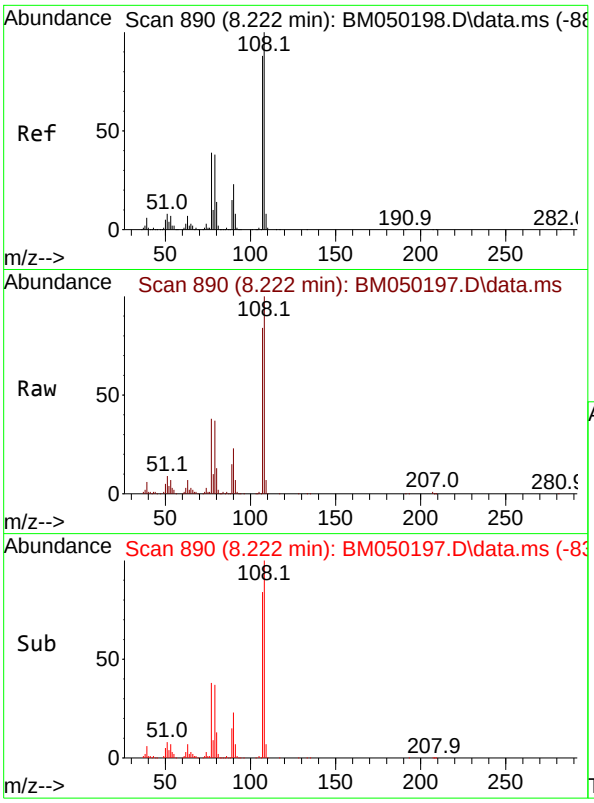


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.873 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 45 Resp: 270693

Ion	Ratio	Lower	Upper
45	100		
77	30.0	8.7	48.7
79	21.9	2.7	42.7

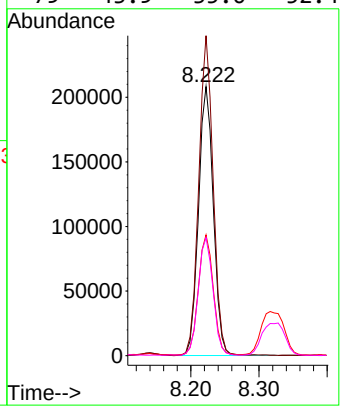




#17
2-Methylphenol
Concen: 20.568 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:107 Resp: 31499

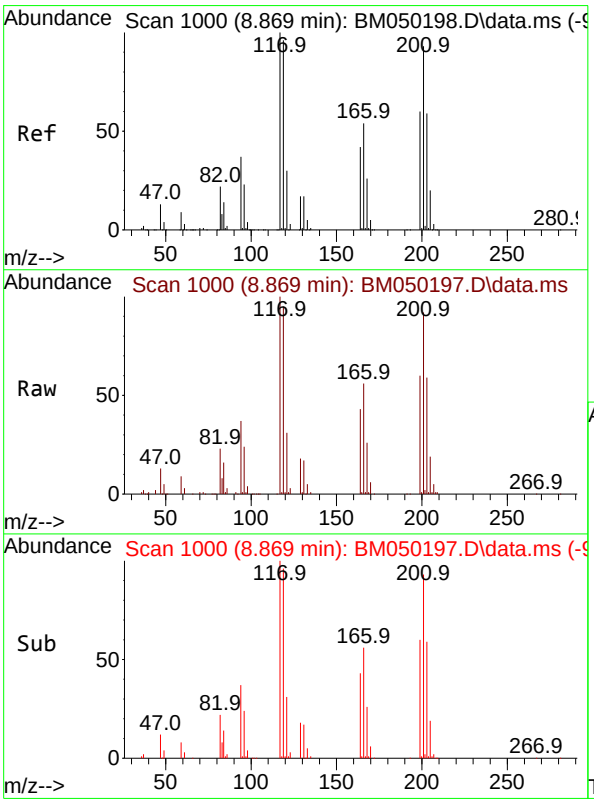
Ion	Ratio	Lower	Upper
107	100		
108	118.9	90.8	136.2
77	44.9	35.7	53.5
79	43.9	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

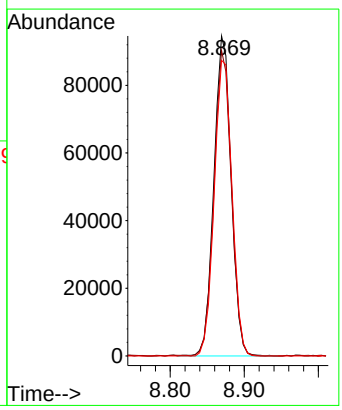
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

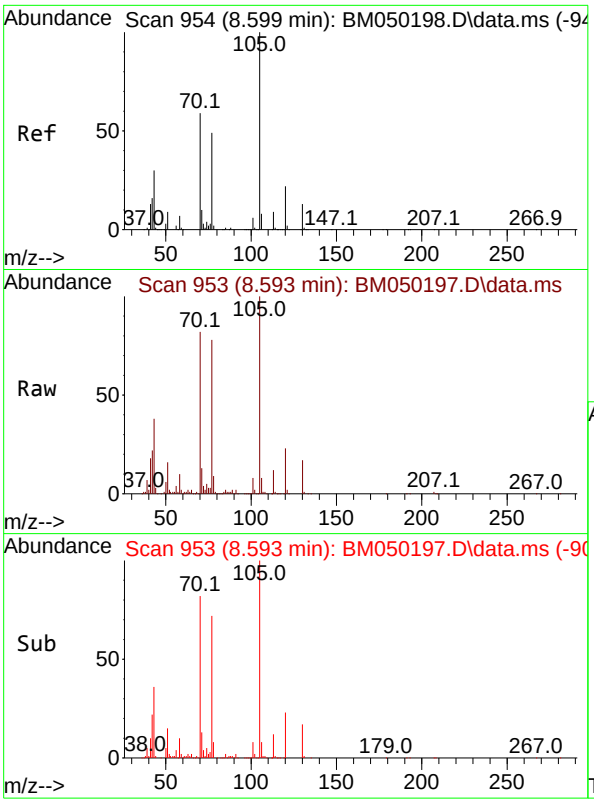


#18
Hexachloroethane
Concen: 19.885 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:117 Resp: 153532

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.6
201	92.4	74.6	111.8

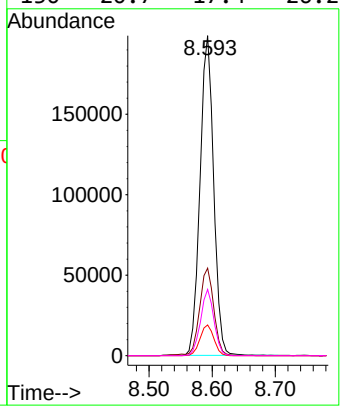




#19
n-Nitroso-di-n-propylamine
Concen: 22.197 ng
RT: 8.593 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 70 Resp: 29797

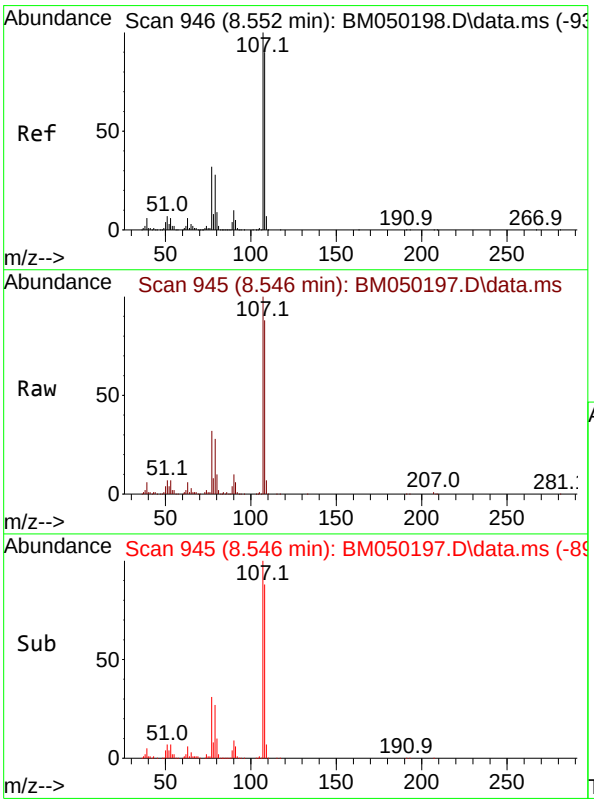
Ion	Ratio	Lower	Upper
70	100		
42	27.4	22.6	33.8
101	9.6	8.3	12.5
130	20.7	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

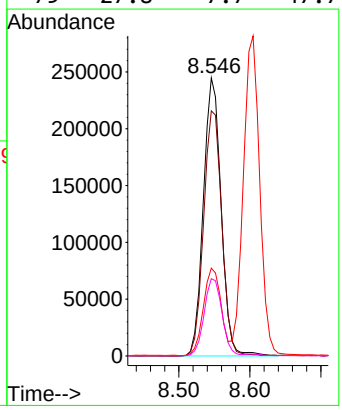
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

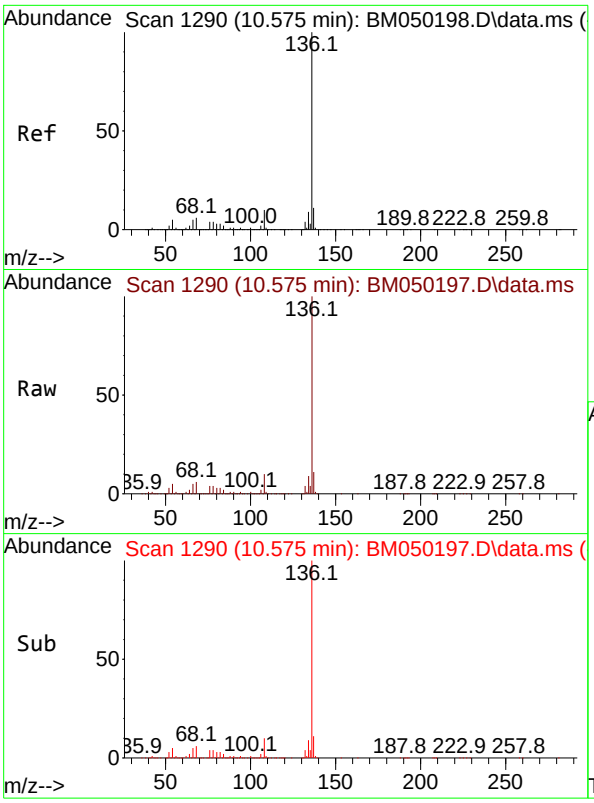


#20
3+4-Methylphenols
Concen: 20.798 ng
RT: 8.546 min Scan# 945
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:107 Resp: 426134

Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.4	110.4
77	31.6	12.2	52.2
79	27.8	7.7	47.7

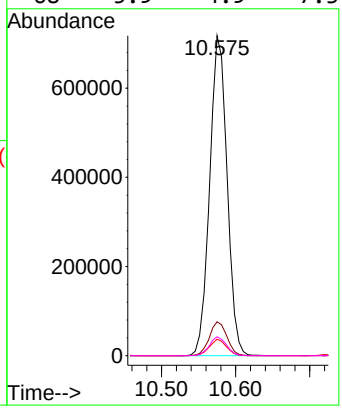




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:136 Resp: 117135

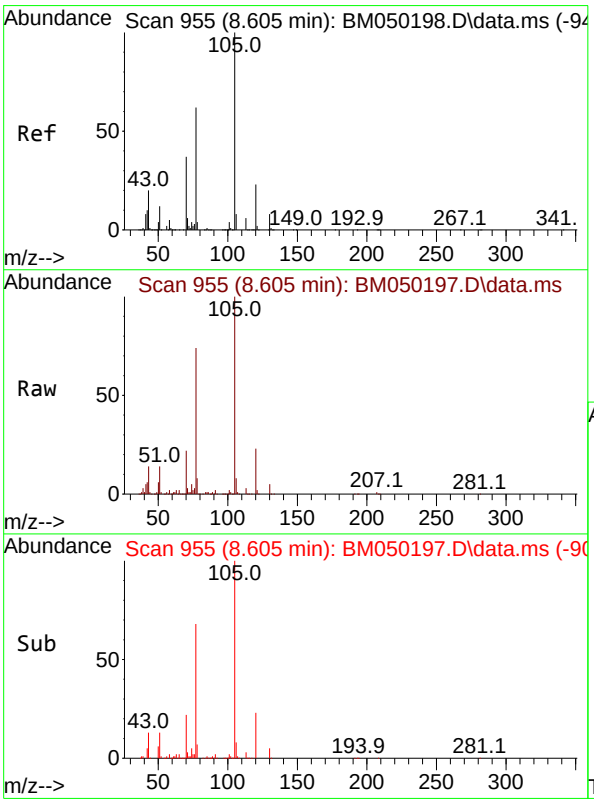
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.1	3.8	5.8
68	5.9	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

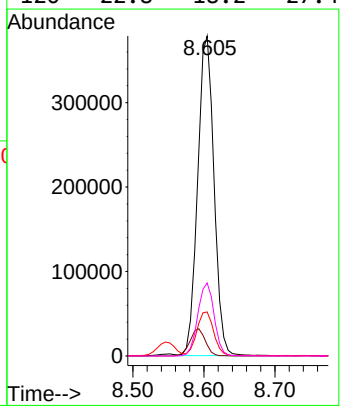
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

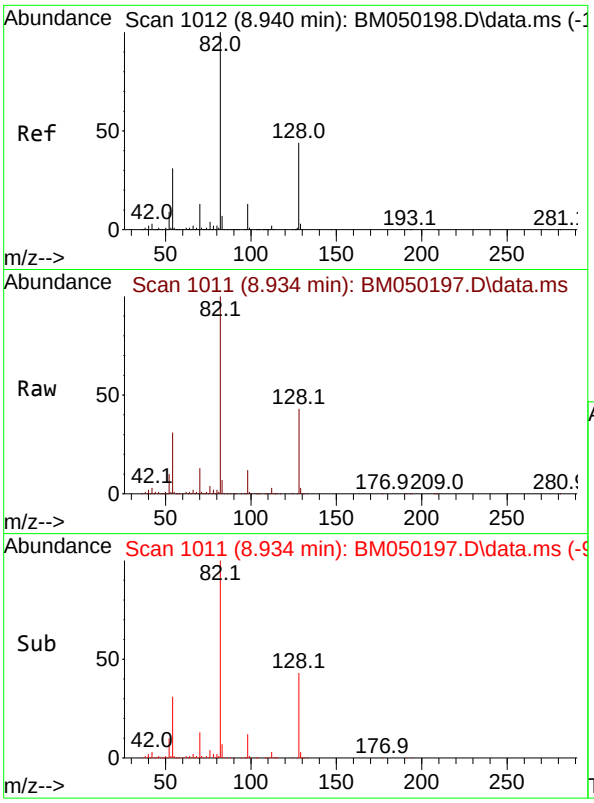


#22
Acetophenone
Concen: 20.706 ng
RT: 8.605 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:105 Resp: 605945

Ion	Ratio	Lower	Upper
105	100		
71	3.5	5.0	7.4#
51	13.7	11.4	17.2
120	22.8	18.2	27.4

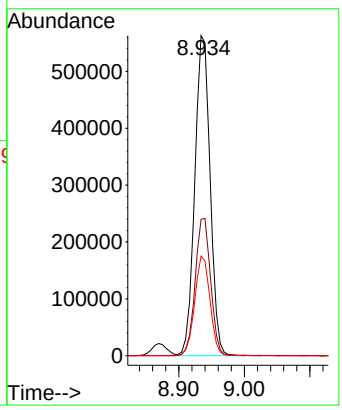




#23
Nitrobenzene-d5
Concen: 40.730 ng
RT: 8.934 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 82 Resp: 91733

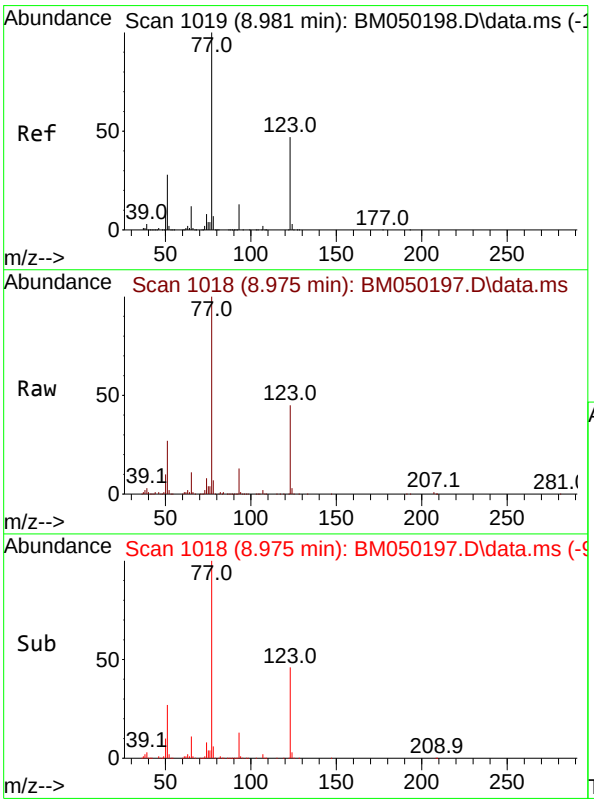
Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.2	52.8
54	31.1	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

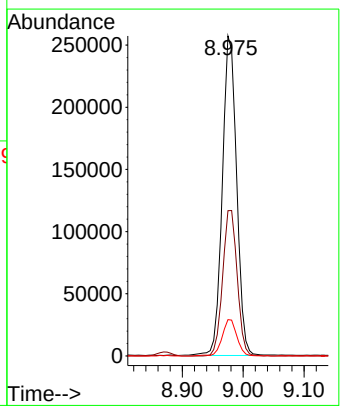
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

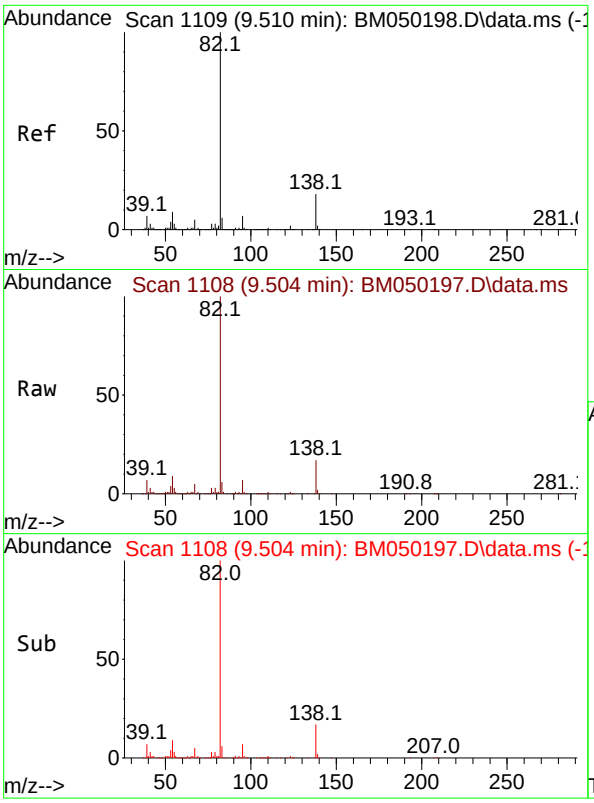


#24
Nitrobenzene
Concen: 20.506 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 77 Resp: 420036

Ion	Ratio	Lower	Upper
77	100		
123	45.4	38.2	57.2
65	11.3	9.5	14.3

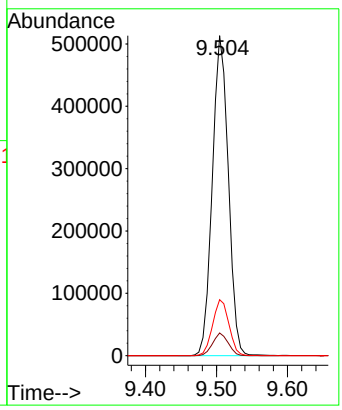




#25
Isophorone
Concen: 20.639 ng
RT: 9.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 82 Resp: 80232

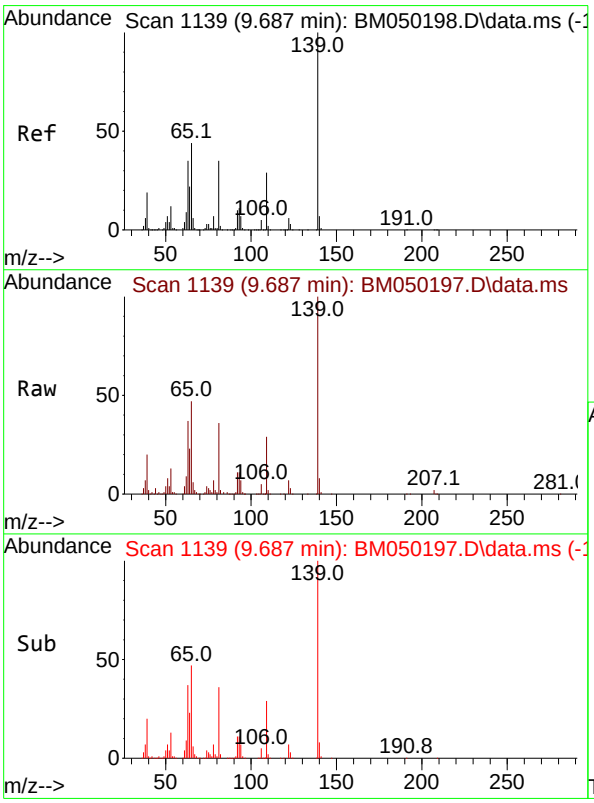
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	17.5	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

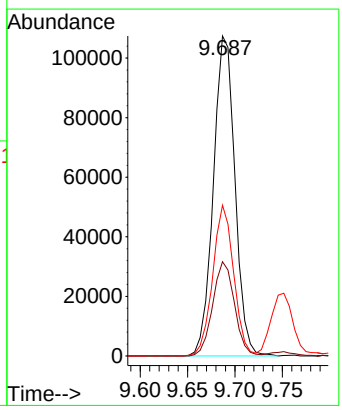
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

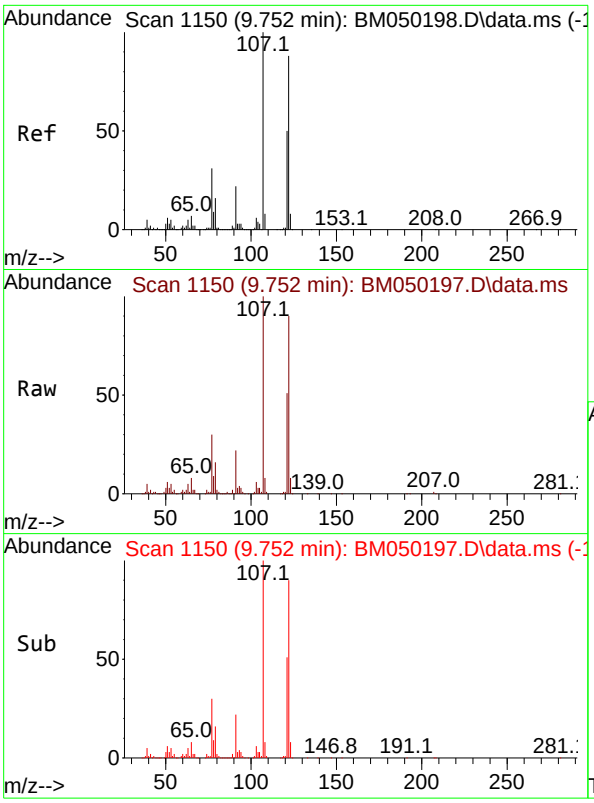


#26
2-Nitrophenol
Concen: 19.294 ng
RT: 9.687 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:139 Resp: 170594

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.3	34.9
65	47.1	35.2	52.8

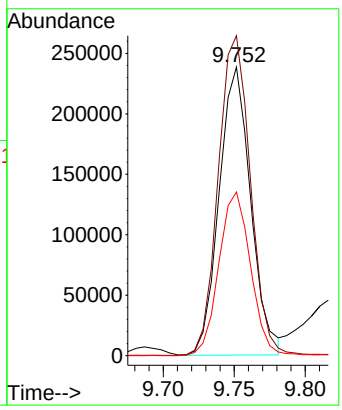




#27
2,4-Dimethylphenol
Concen: 20.275 ng
RT: 9.752 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:122 Resp: 36869

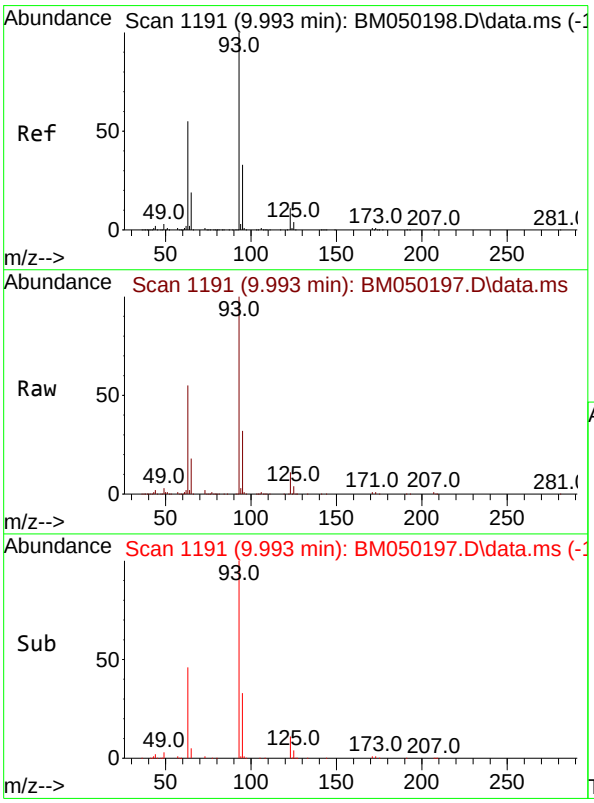
Ion	Ratio	Lower	Upper
122	100		
107	110.9	91.0	136.6
121	56.7	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

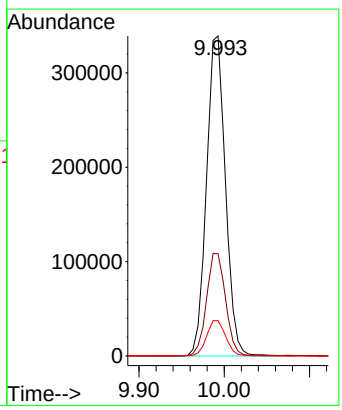
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

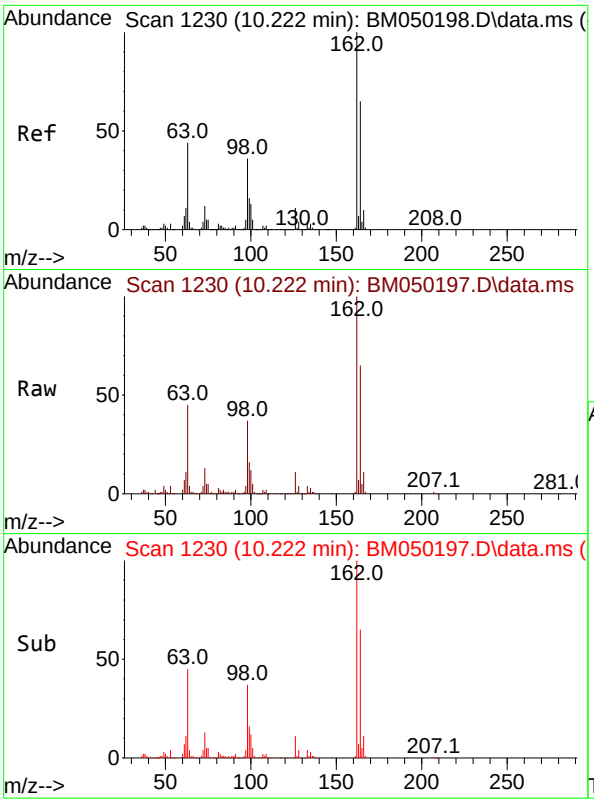


#28
bis(2-Chloroethoxy)methane
Concen: 20.610 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 93 Resp: 523393

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.4
123	11.1	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 20.118 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

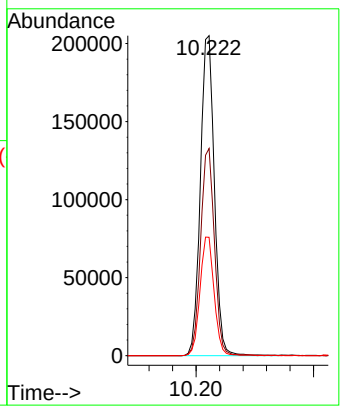
Tgt Ion:162 Resp: 33822

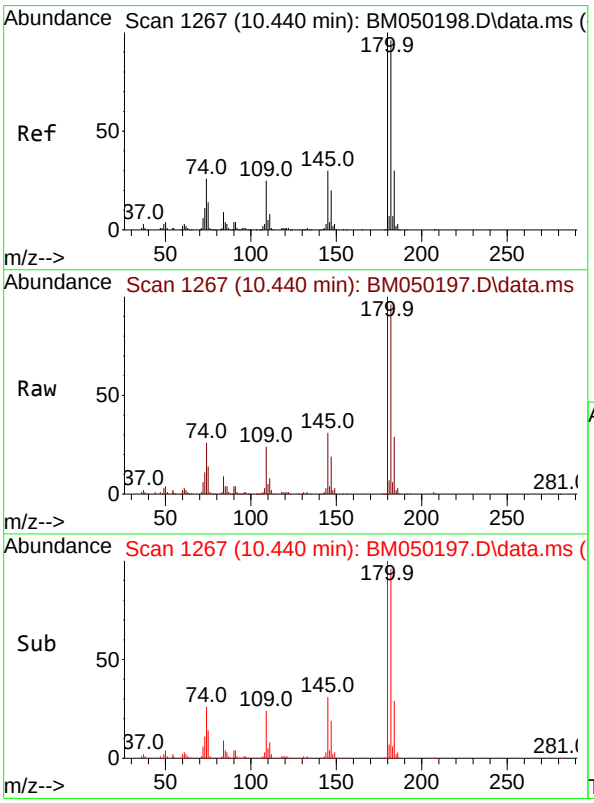
Ion	Ratio	Lower	Upper
162	100		
164	64.8	45.0	85.0
98	37.0	16.3	56.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

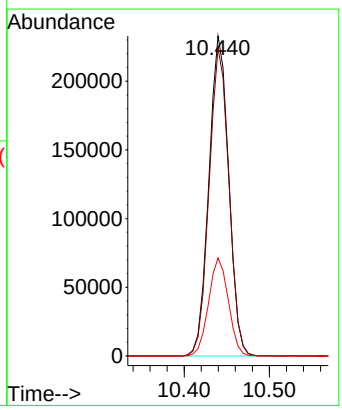


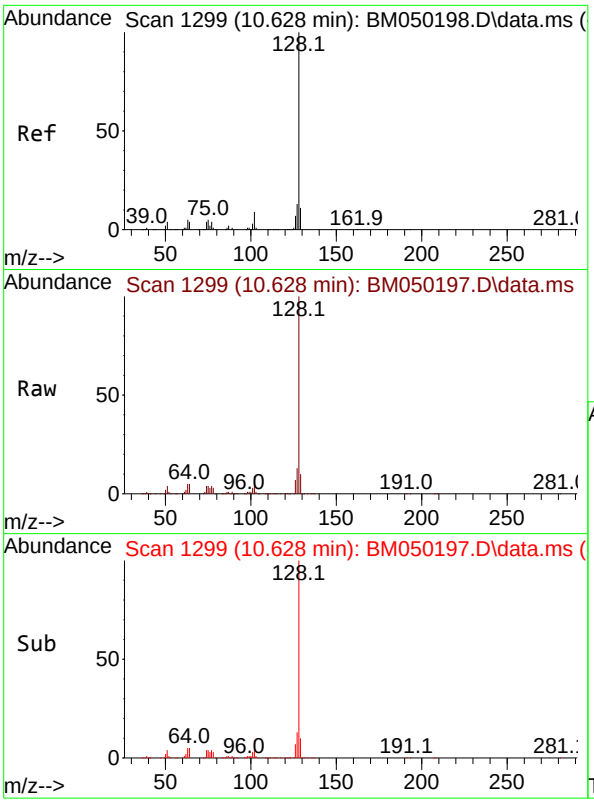


#30
1,2,4-Trichlorobenzene
Concen: 20.074 ng
RT: 10.440 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:180 Resp: 375562

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	30.6	24.2	36.4

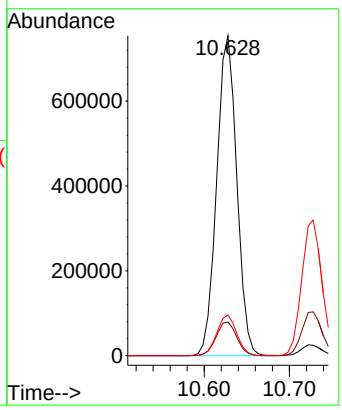




#31
Naphthalene
Concen: 20.419 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:128 Resp: 123662

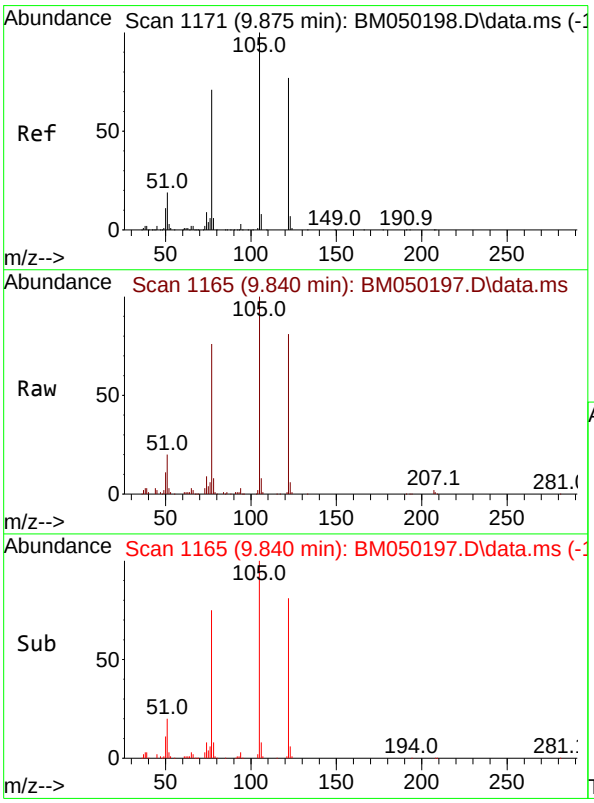
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

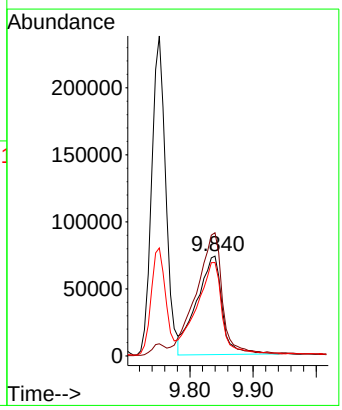
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

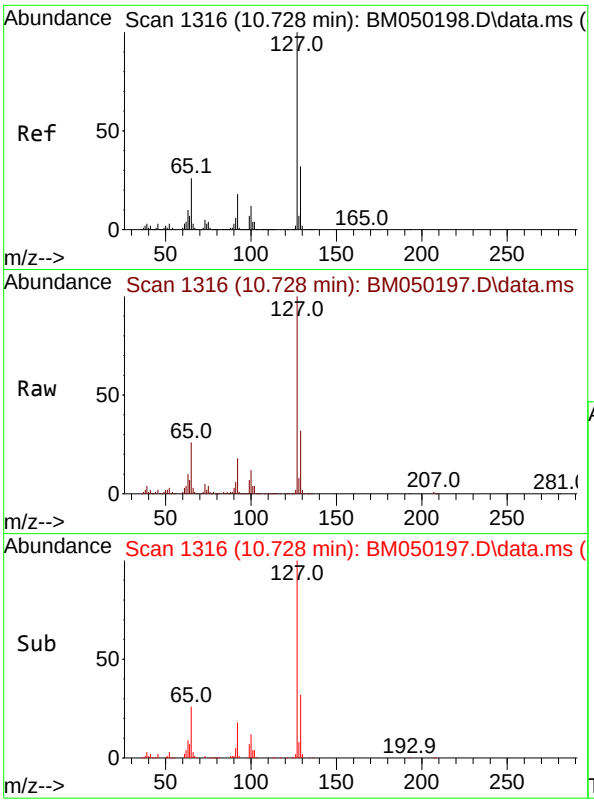


#32
Benzoic acid
Concen: 18.032 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:122 Resp: 205878

Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.4	143.4
77	93.5	70.3	110.3

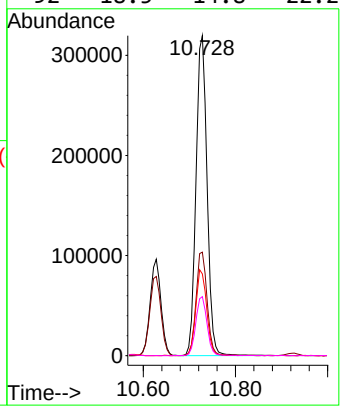




#33
4-Chloroaniline
Concen: 20.585 ng
RT: 10.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:127 Resp: 53149

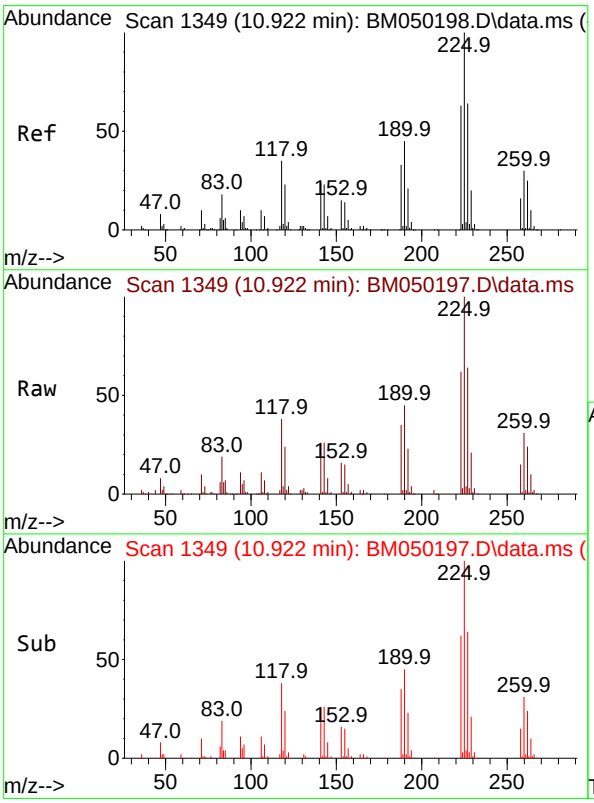
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.0
65	25.6	21.0	31.4
92	18.5	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

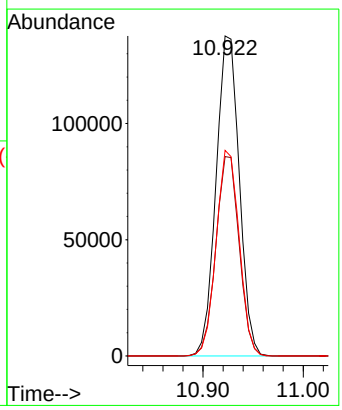
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

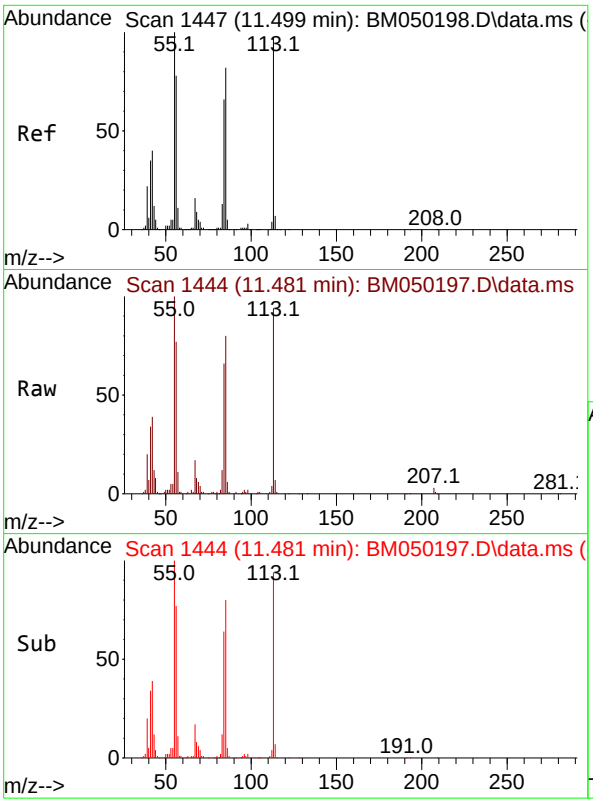


#34
Hexachlorobutadiene
Concen: 19.910 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:225 Resp: 221558

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	64.3	51.0	76.4

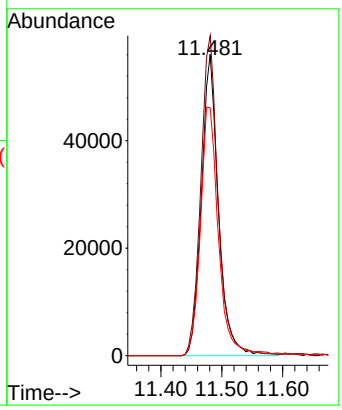




#35
Caprolactam
Concen: 20.483 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:113 Resp: 10917

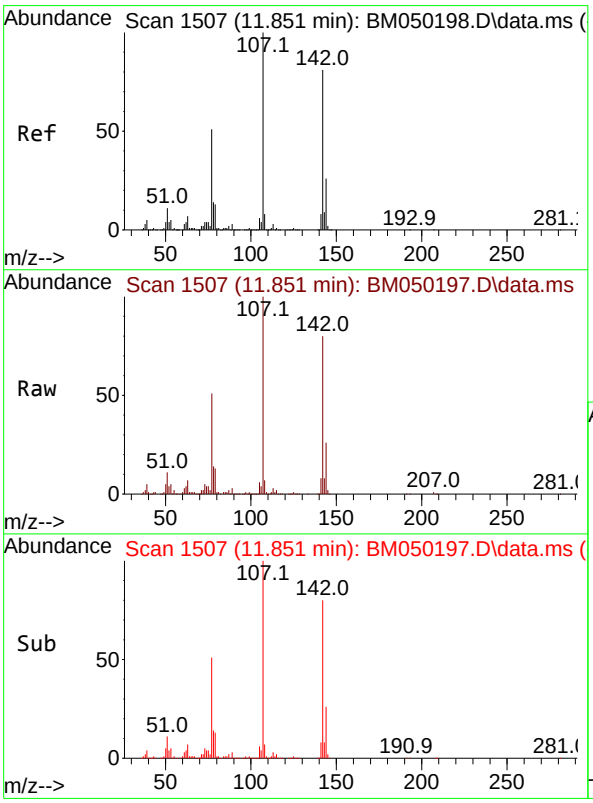
Ion	Ratio	Lower	Upper
113	100		
55	106.2	83.5	123.5
56	82.3	60.6	100.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

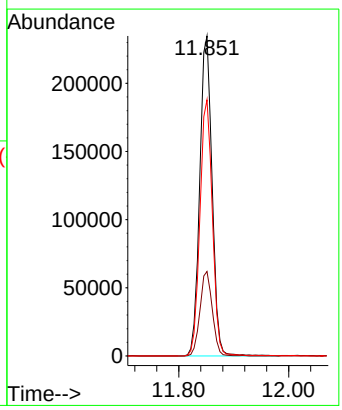
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

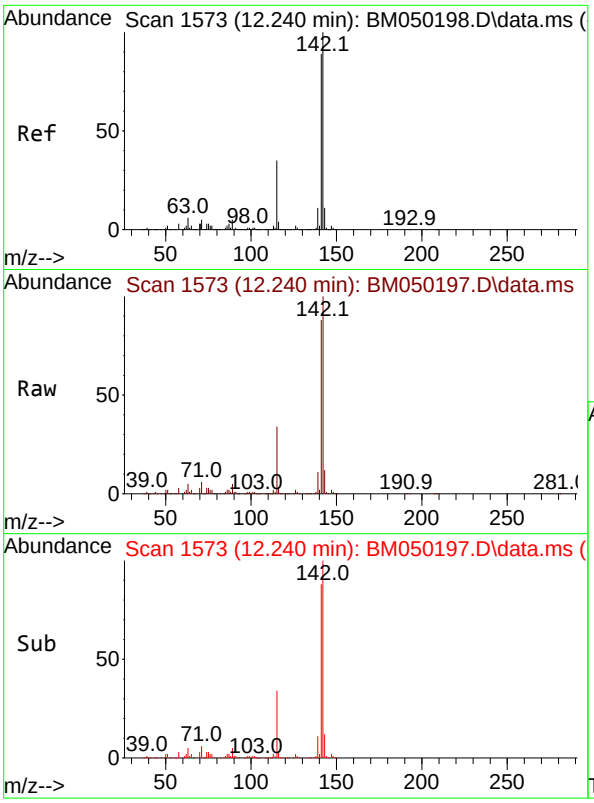


#36
4-Chloro-3-methylphenol
Concen: 20.433 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:107 Resp: 366554

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.0	31.6
142	80.0	64.8	97.2

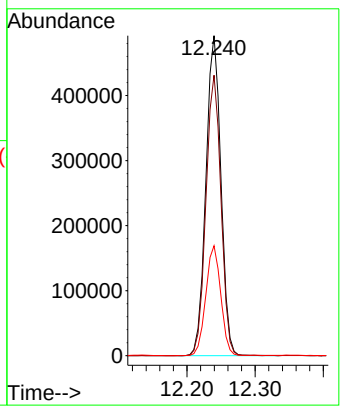




#37
2-Methylnaphthalene
Concen: 20.607 ng
RT: 12.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:142 Resp: 75288

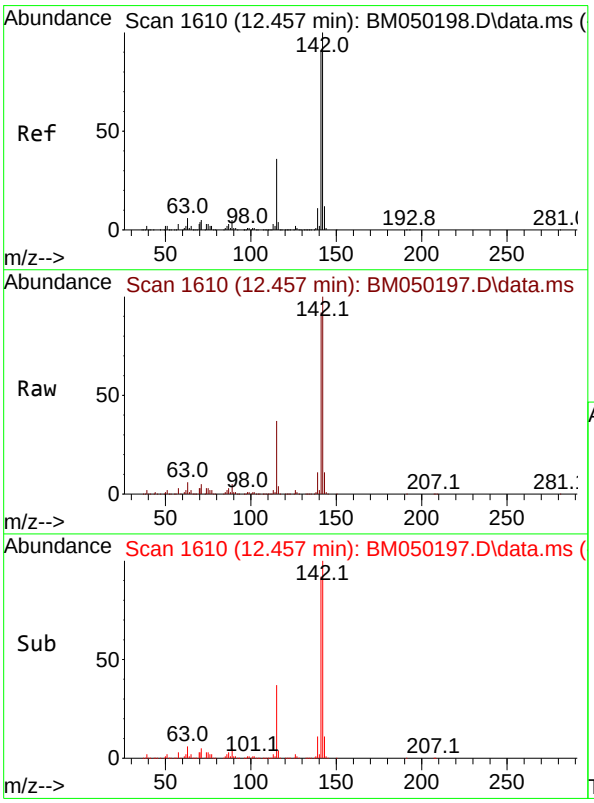
Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.5	107.3
115	34.3	27.8	41.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

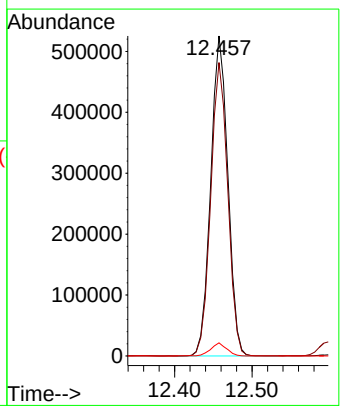
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

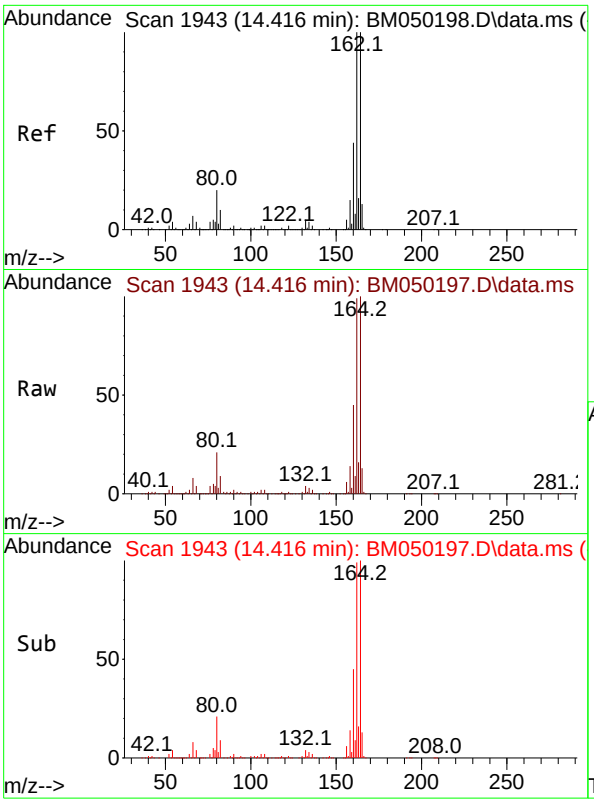


#38
1-Methylnaphthalene
Concen: 20.803 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:142 Resp: 806687

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.9	109.3
116	4.1	3.0	4.6

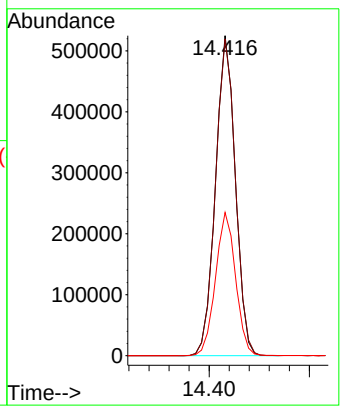




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:164 Resp: 72069

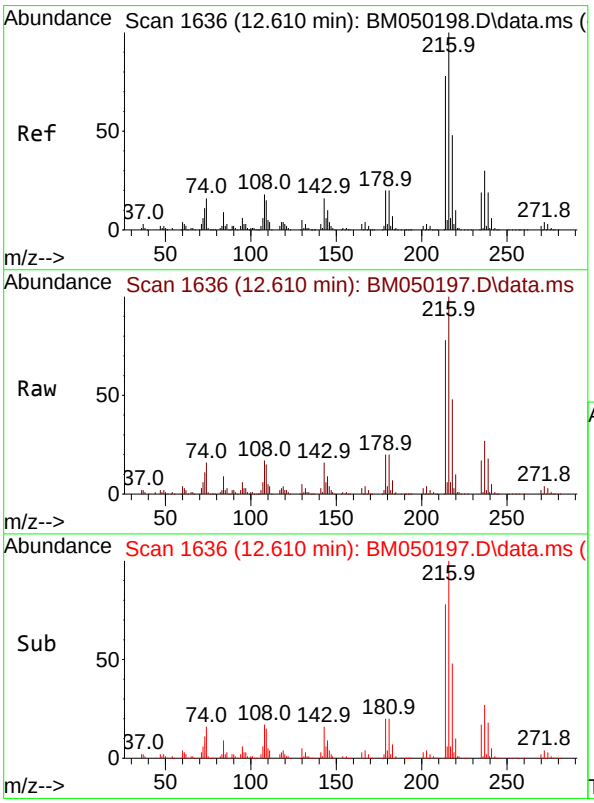
Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.2	120.4
160	44.8	35.7	53.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

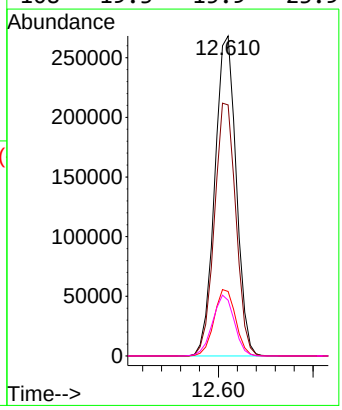
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

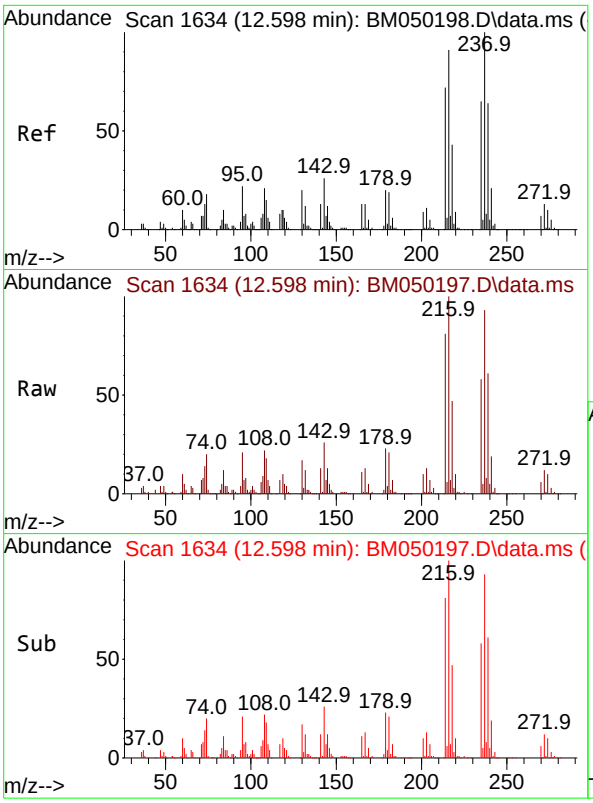


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.257 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:216 Resp: 421559

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	20.9	16.6	25.0
108	19.3	15.9	23.9

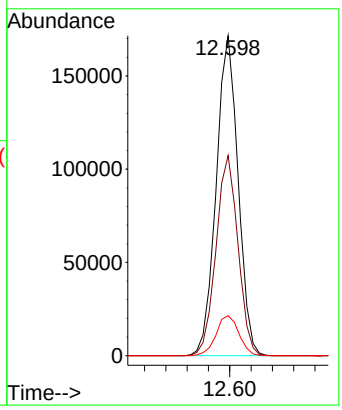




#41
Hexachlorocyclopentadiene
Concen: 19.326 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:237 Resp: 24425

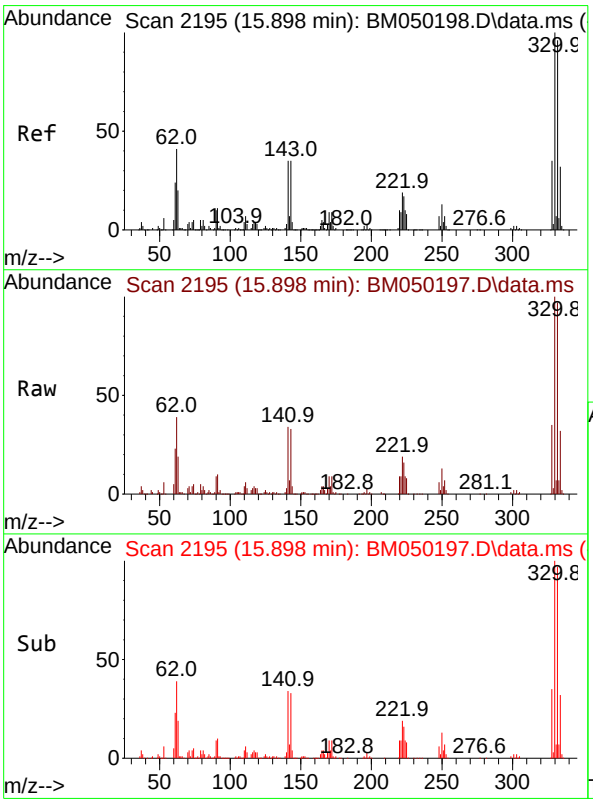
Ion	Ratio	Lower	Upper
237	100		
235	62.6	44.6	84.6
272	12.5	0.0	33.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

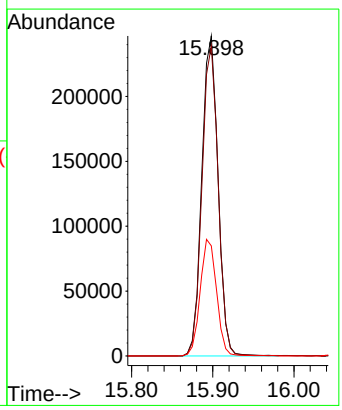
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

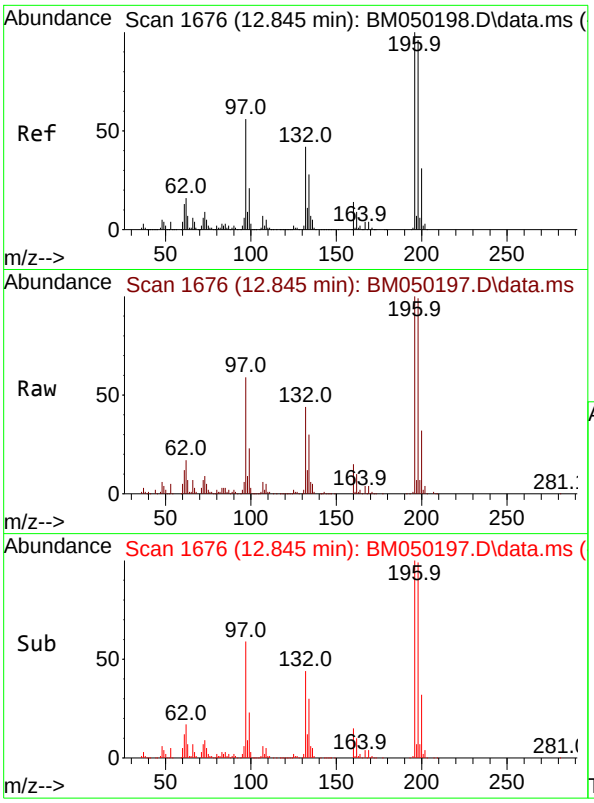


#42
2,4,6-Tribromophenol
Concen: 41.770 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:330 Resp: 342402

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.5	116.3
141	36.8	28.8	43.2

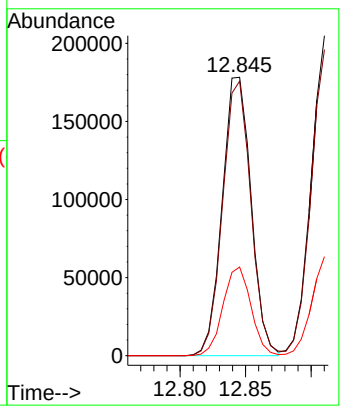




#43
2,4,6-Trichlorophenol
Concen: 19.971 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:196 Resp: 27330

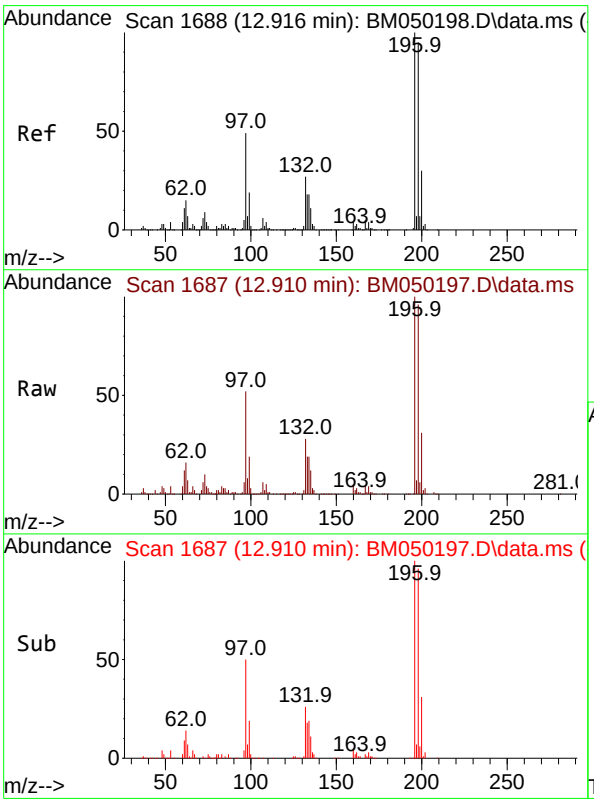
Ion	Ratio	Lower	Upper
196	100		
198	98.7	76.6	115.0
200	31.9	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

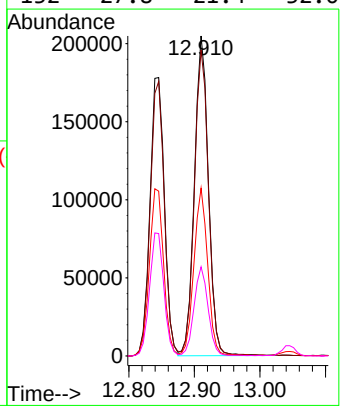
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

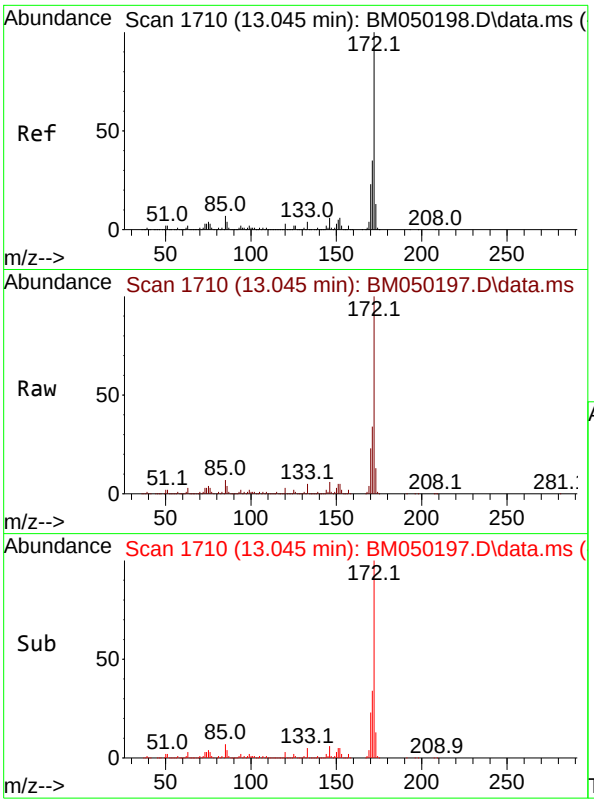


#44
2,4,5-Trichlorophenol
Concen: 20.334 ng
RT: 12.910 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:196 Resp: 305541

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.1	114.1
97	52.4	39.3	58.9
132	27.8	21.4	32.0

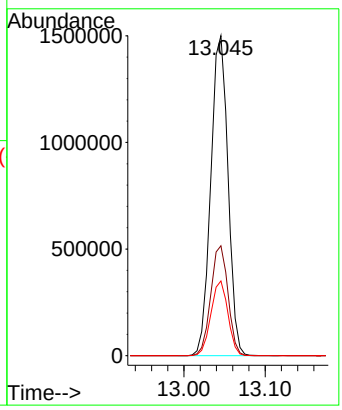




#45
2-Fluorobiphenyl
Concen: 41.494 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:172 Resp: 220883

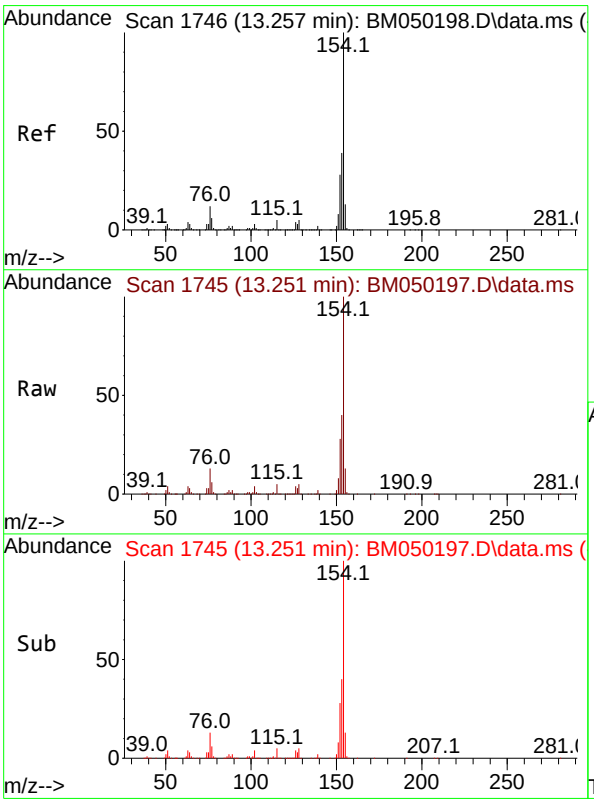
Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.6
170	23.3	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

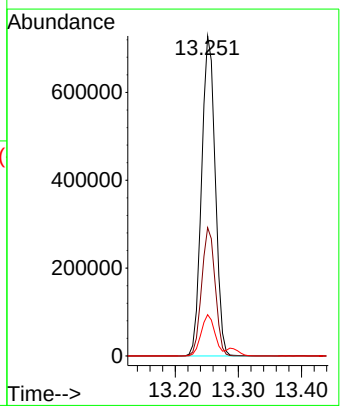
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

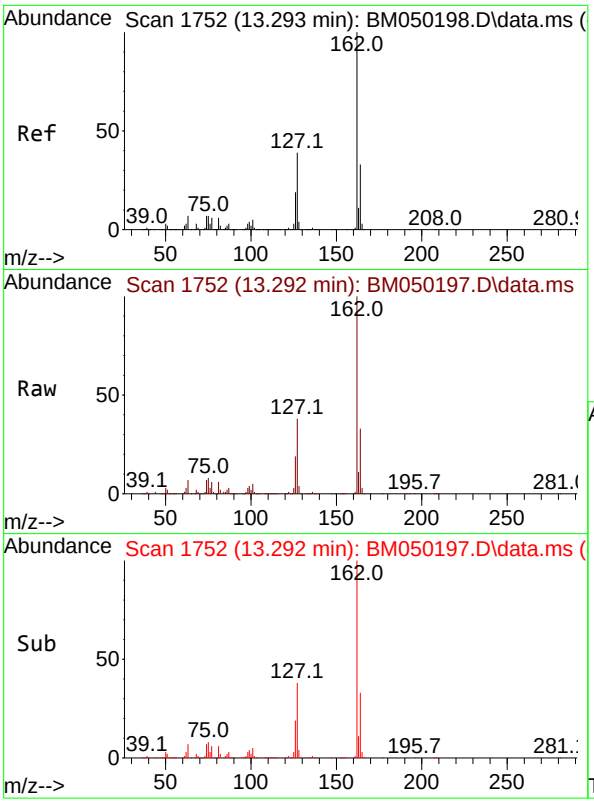


#46
1,1'-Biphenyl
Concen: 20.221 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:154 Resp: 1091201

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.2	59.2
76	12.9	0.0	32.0

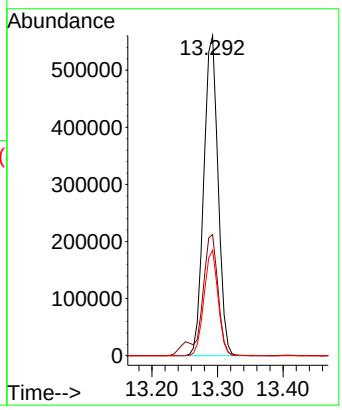




#47
2-Chloronaphthalene
Concen: 20.269 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:162 Resp: 85034

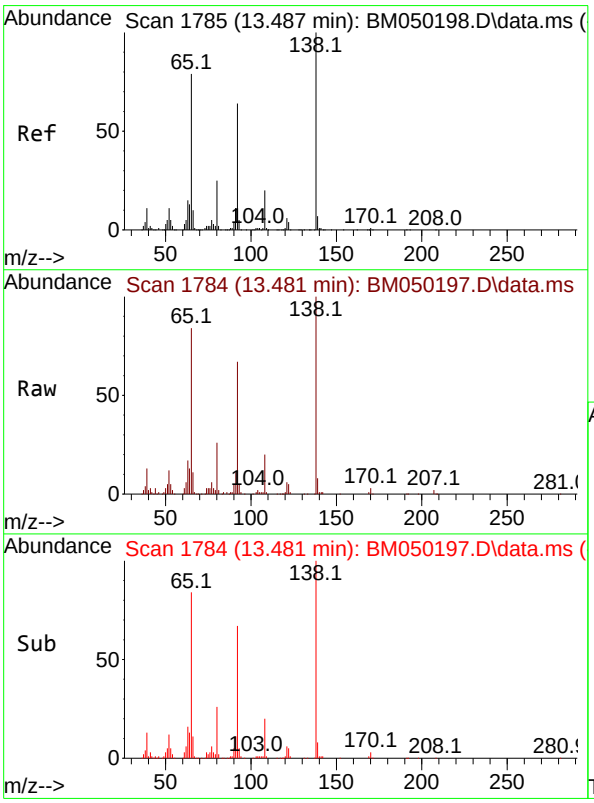
Ion	Ratio	Lower	Upper
162	100		
127	37.9	31.1	46.7
164	33.0	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

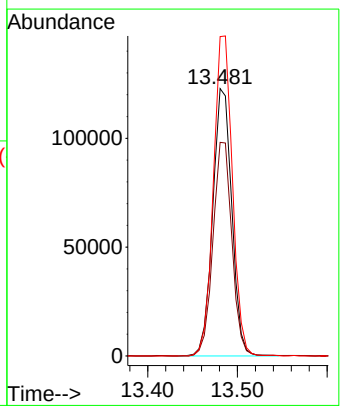
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

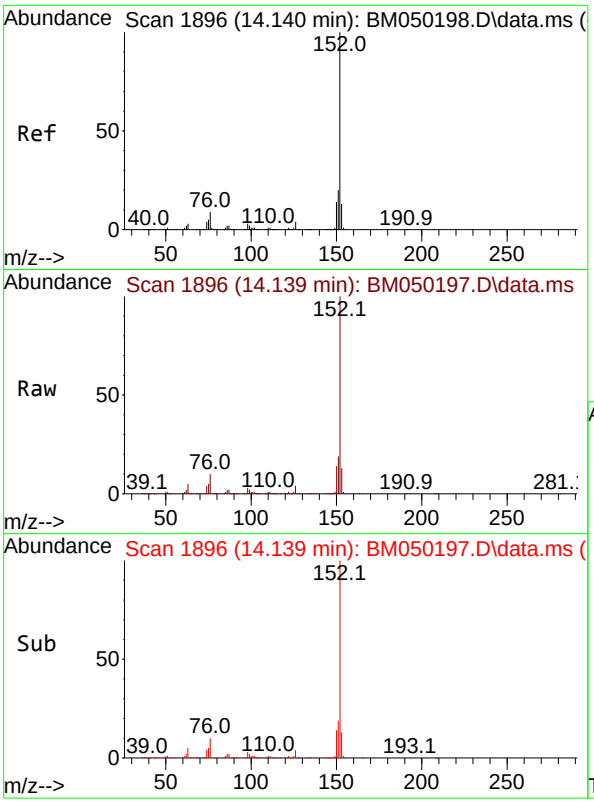


#48
2-Nitroaniline
Concen: 19.634 ng
RT: 13.481 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 65 Resp: 181276

Ion	Ratio	Lower	Upper
65	100		
92	79.9	64.2	96.4
138	119.4	101.0	151.4

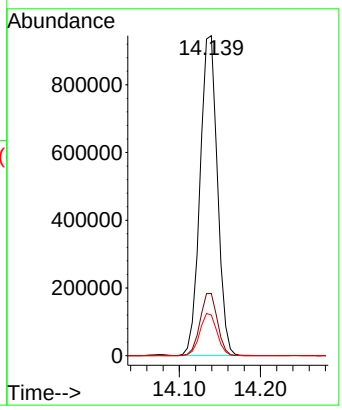




#49
Acenaphthylene
Concen: 20.607 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:152 Resp: 139835

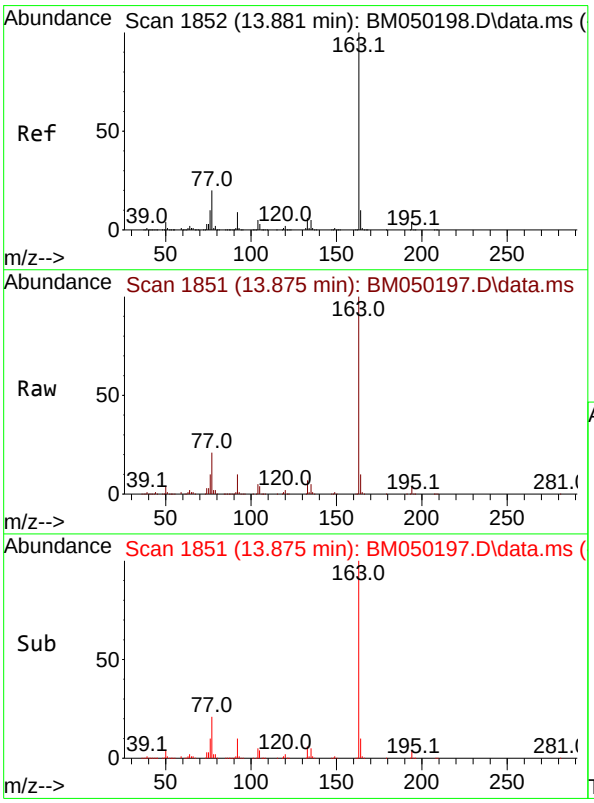
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	12.7	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

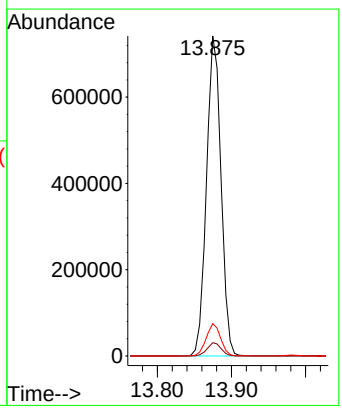
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

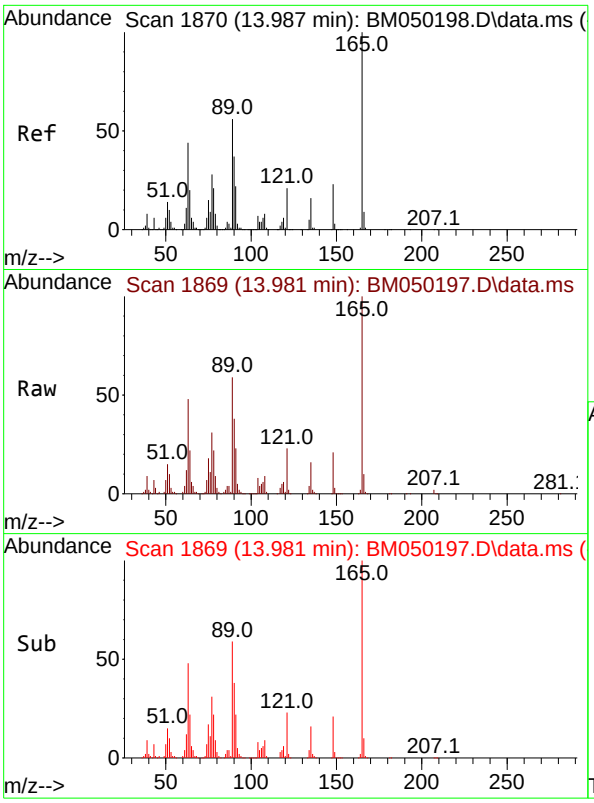


#50
Dimethylphthalate
Concen: 20.677 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:163 Resp: 1007787

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 20.834 ng
RT: 13.981 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

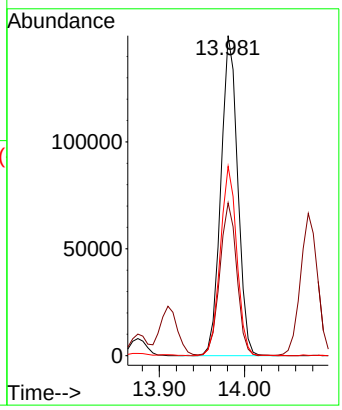
Tgt Ion:165 Resp: 20477

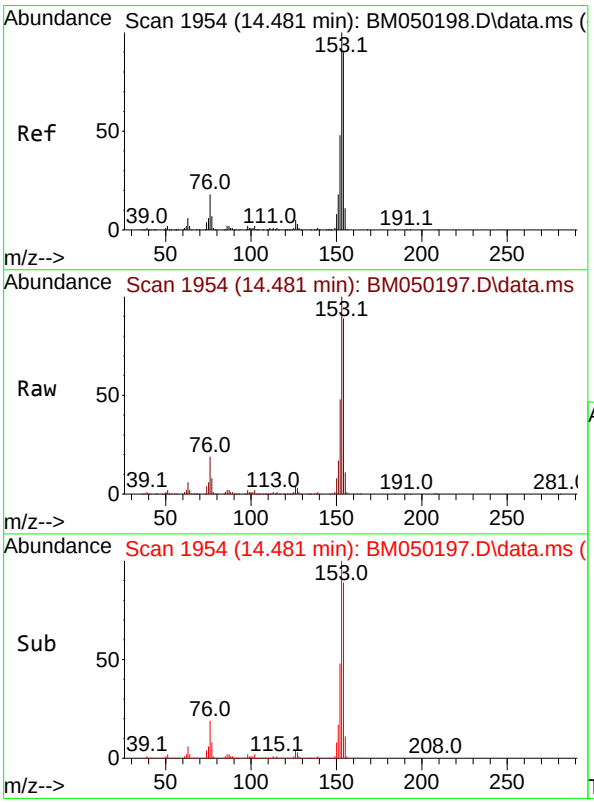
Ion	Ratio	Lower	Upper
165	100		
63	47.7	35.8	53.6
89	59.1	44.8	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

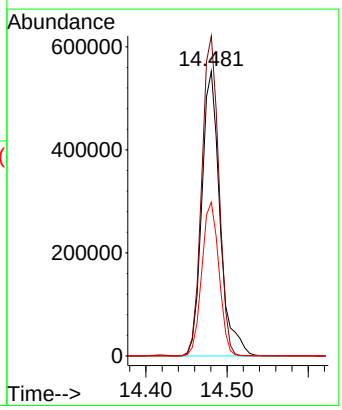


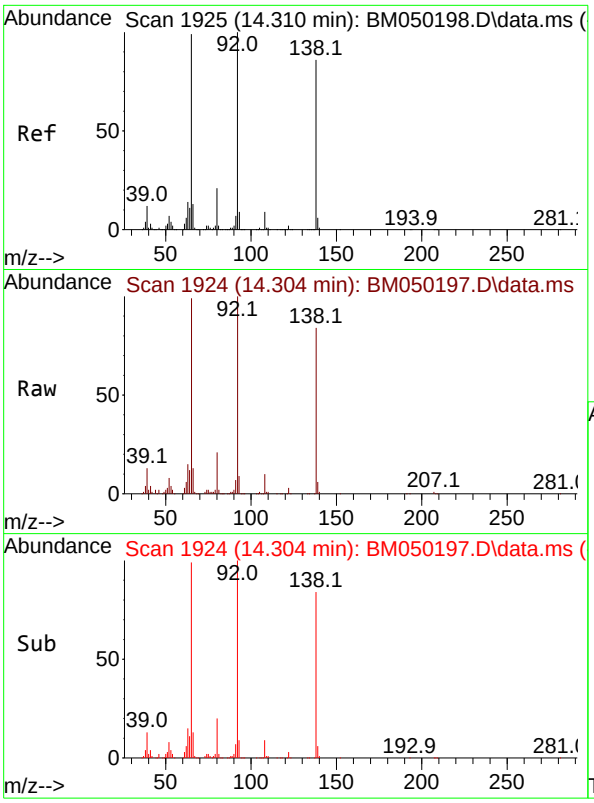


#52
Acenaphthene
Concen: 20.128 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:154 Resp: 854295

Ion	Ratio	Lower	Upper
154	100		
153	112.4	88.7	133.1
152	54.0	42.6	63.8

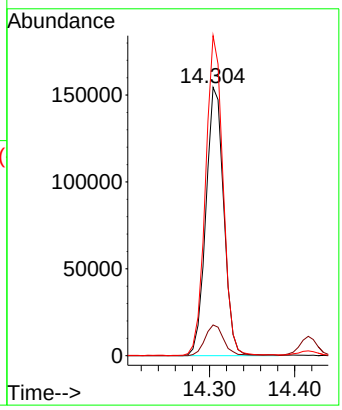




#53
3-Nitroaniline
Concen: 20.528 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:138 Resp: 22488

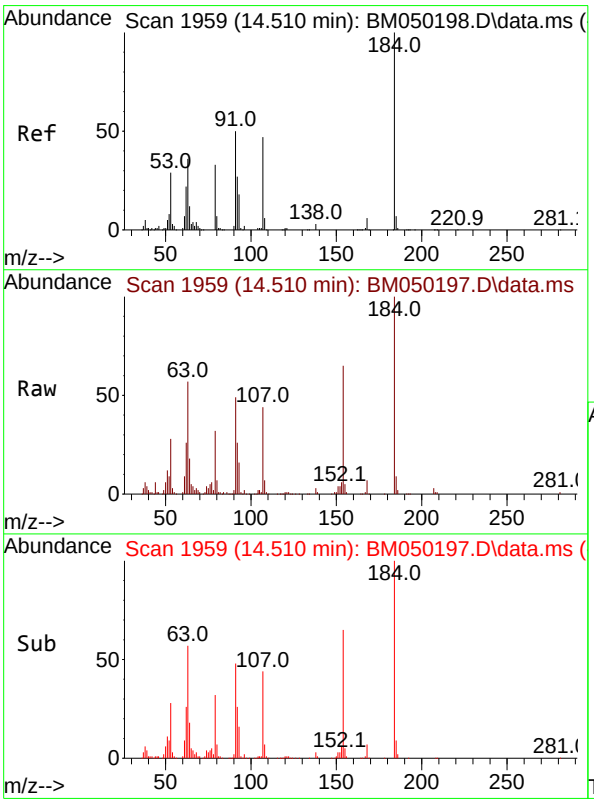
Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.8	13.2
92	119.3	92.9	139.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

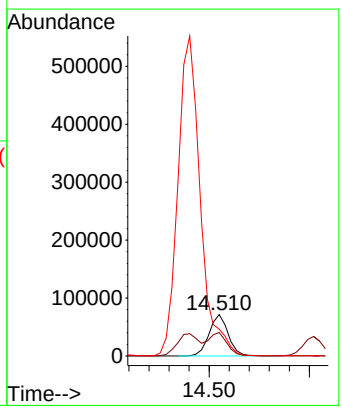
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

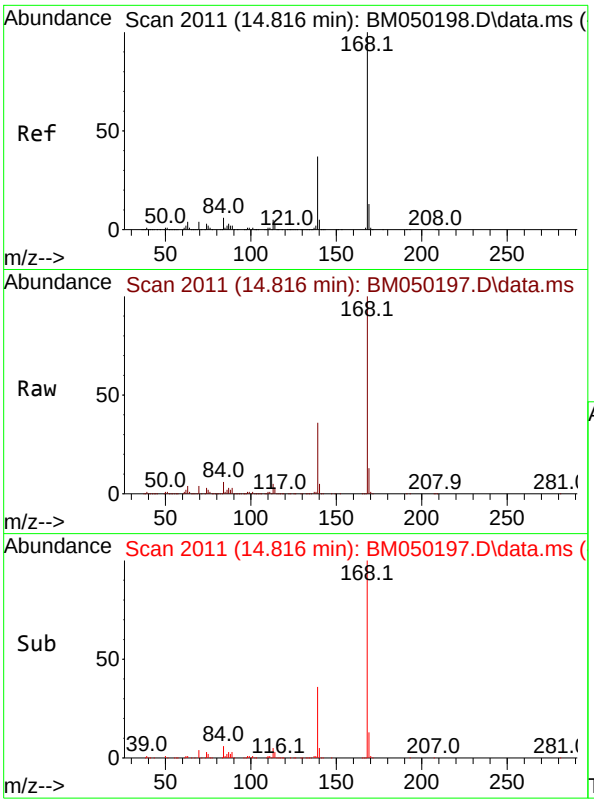


#54
2,4-Dinitrophenol
Concen: 19.130 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:184 Resp: 94248

Ion	Ratio	Lower	Upper
184	100		
63	56.8	45.3	67.9
154	64.7	54.3	81.5

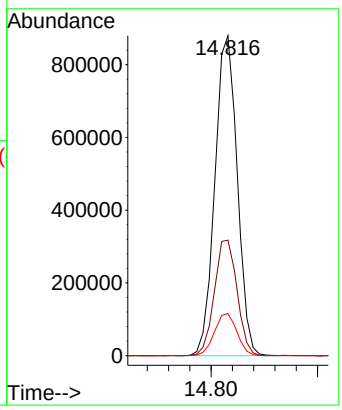




#55
Dibenzofuran
Concen: 20.605 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:168 Resp: 127945

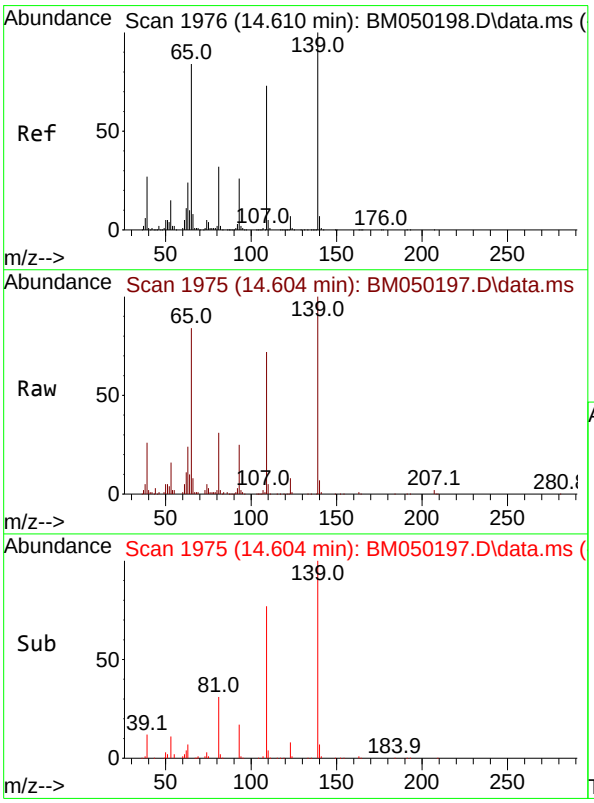
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.9	44.9
169	13.2	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

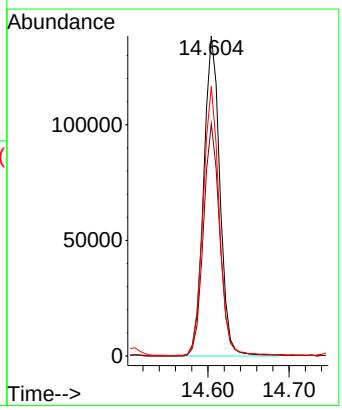
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

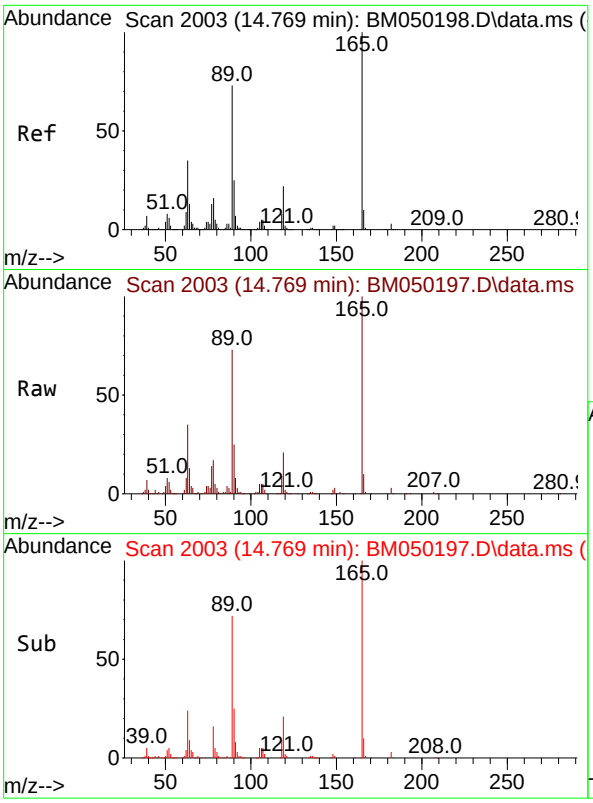


#56
4-Nitrophenol
Concen: 20.518 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:139 Resp: 191313

Ion	Ratio	Lower	Upper
139	100		
109	72.5	52.6	92.6
65	84.2	64.3	104.3

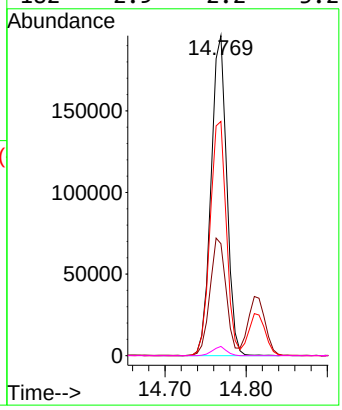




#57
2,4-Dinitrotoluene
Concen: 20.293 ng
RT: 14.769 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:165 Resp: 26311

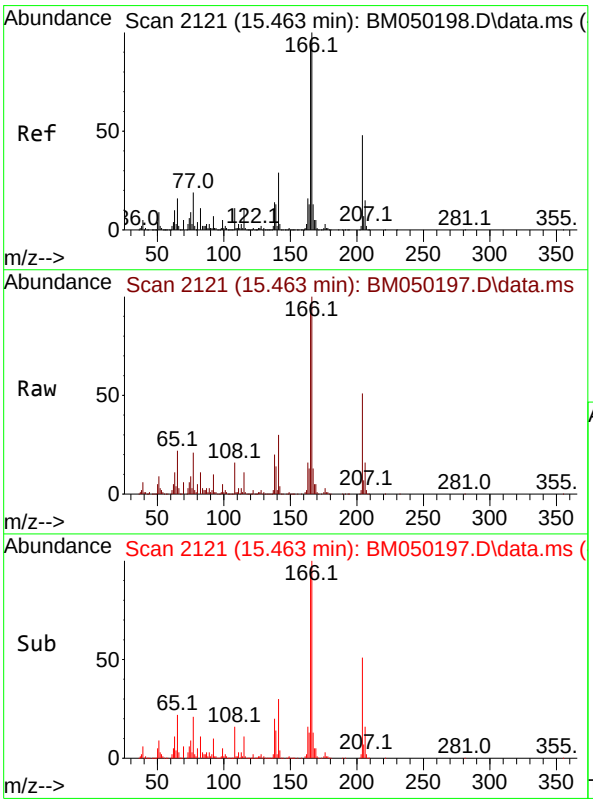
Ion	Ratio	Lower	Upper
165	100		
63	35.0	28.4	42.6
89	73.2	58.0	87.0
182	2.9	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

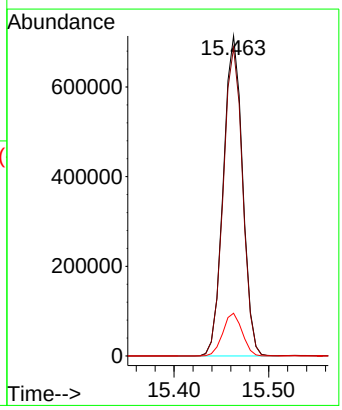
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

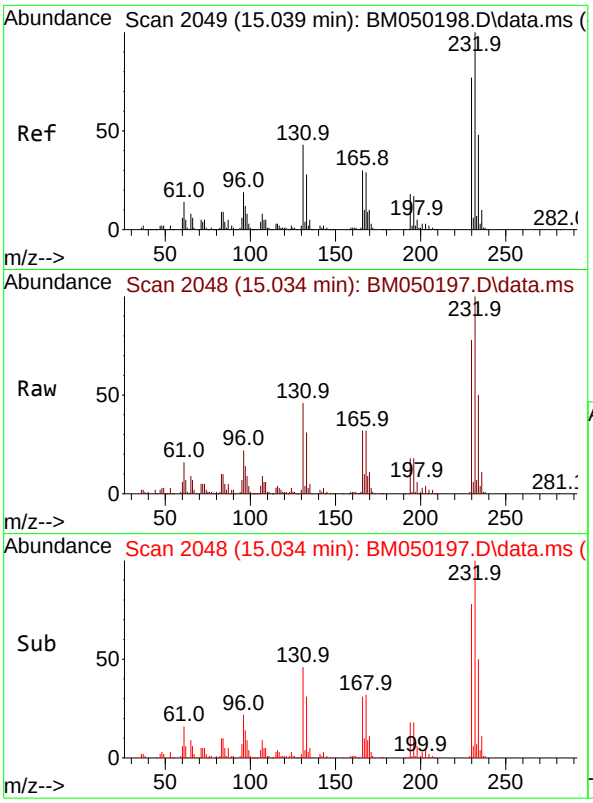


#58
Fluorene
Concen: 21.126 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:166 Resp: 1004752

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.0	115.4
167	13.3	10.7	16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.493 ng
RT: 15.034 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

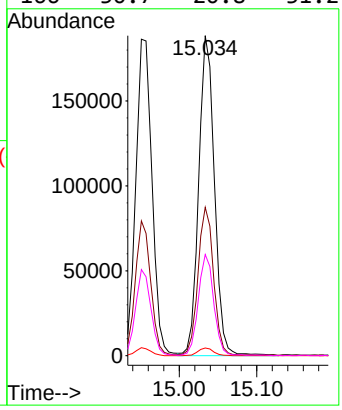
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

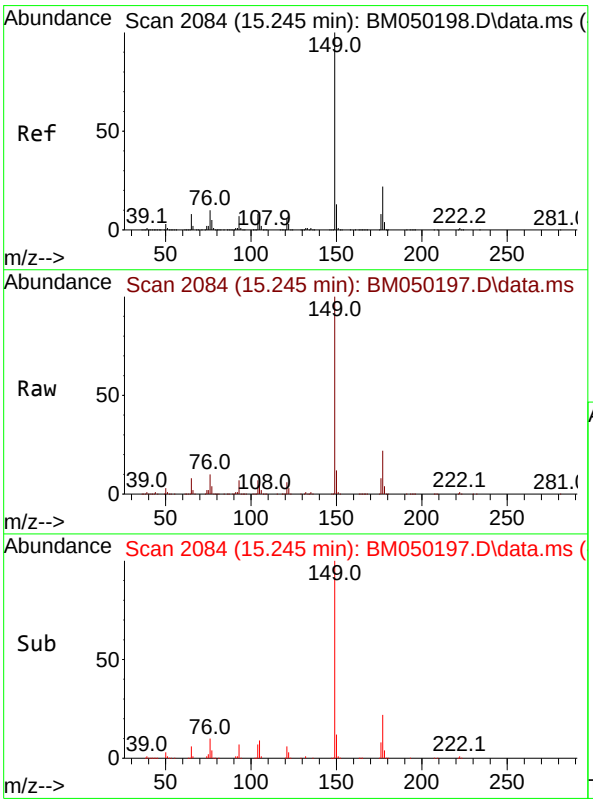
Tgt Ion:232 Resp: 26642

Ion	Ratio	Lower	Upper
232	100		
131	45.6	32.9	49.3
130	2.3	1.8	2.8
166	30.7	20.8	31.2

Manual Integrations
APPROVED

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

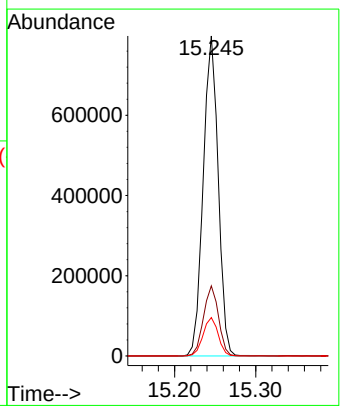


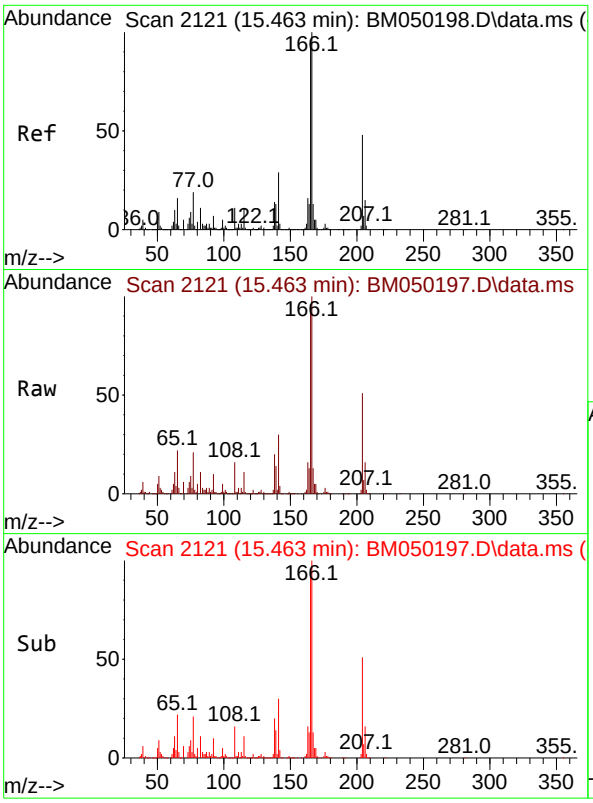


#60
Diethylphthalate
Concen: 21.107 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:149 Resp: 1020737

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.2	25.8
150	12.0	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 20.921 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

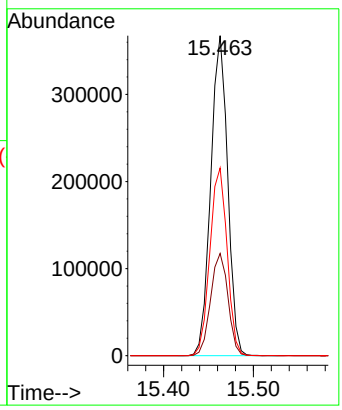
Tgt Ion:204 Resp: 48088

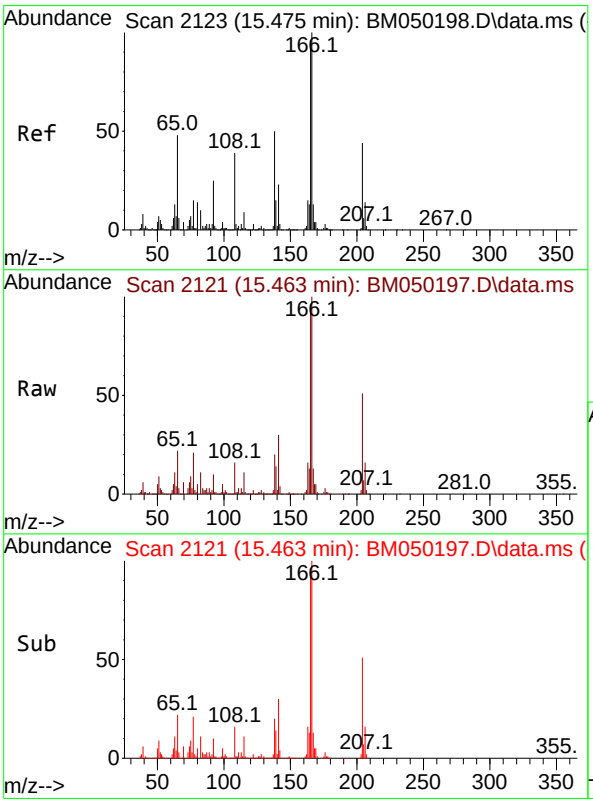
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.4	38.0
141	58.6	47.9	71.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

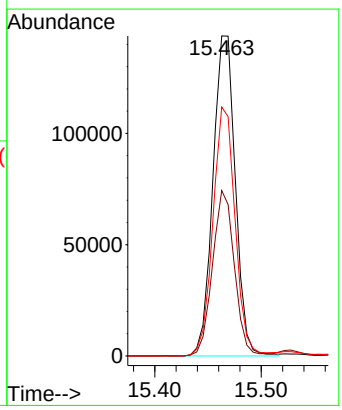


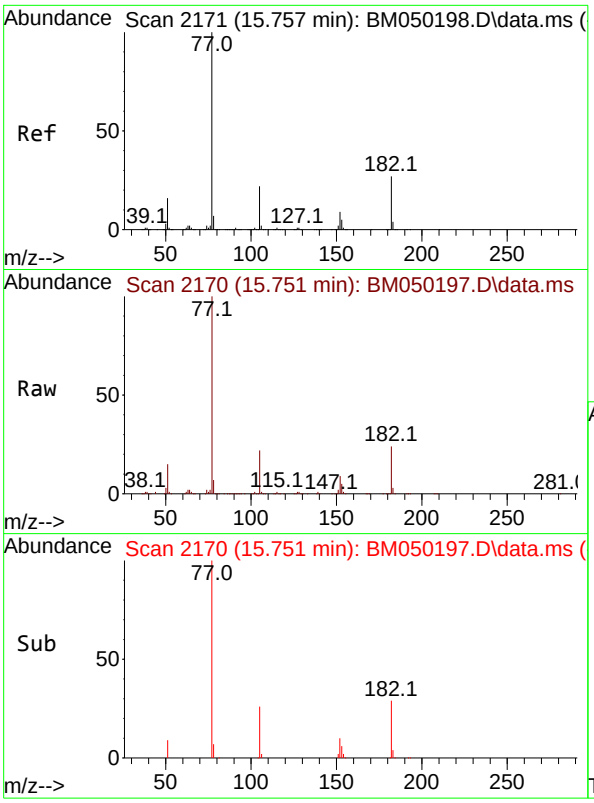


#62
4-Nitroaniline
Concen: 20.456 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:138 Resp: 210030

Ion	Ratio	Lower	Upper
138	100		
92	51.7	28.8	68.8
108	77.8	58.1	98.1

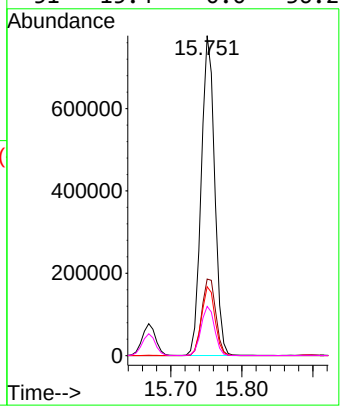




#63
Azobenzene
Concen: 21.101 ng
RT: 15.751 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion: 77 Resp: 101994

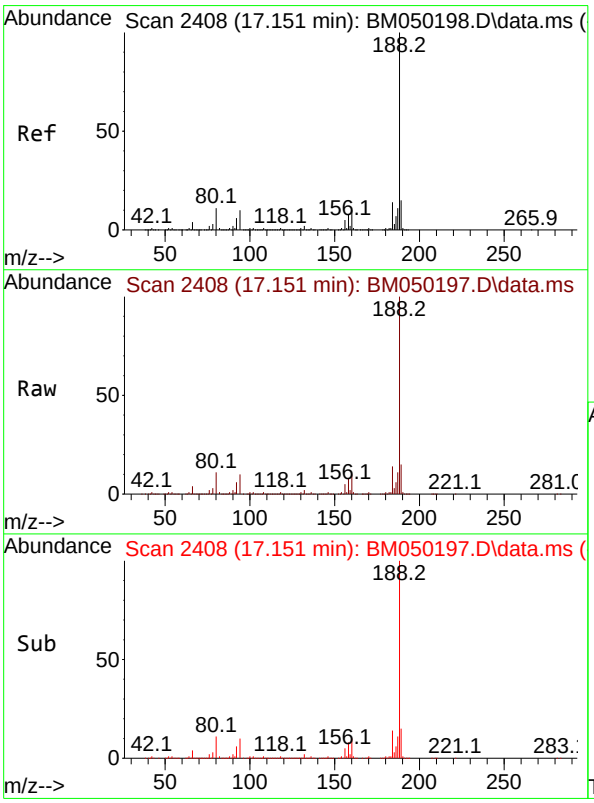
Ion	Ratio	Lower	Upper
77	100		
182	24.0	6.8	46.8
105	21.6	1.7	41.7
51	15.4	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

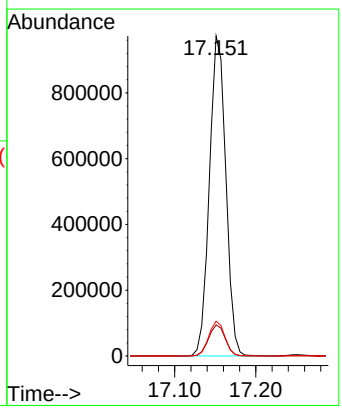
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

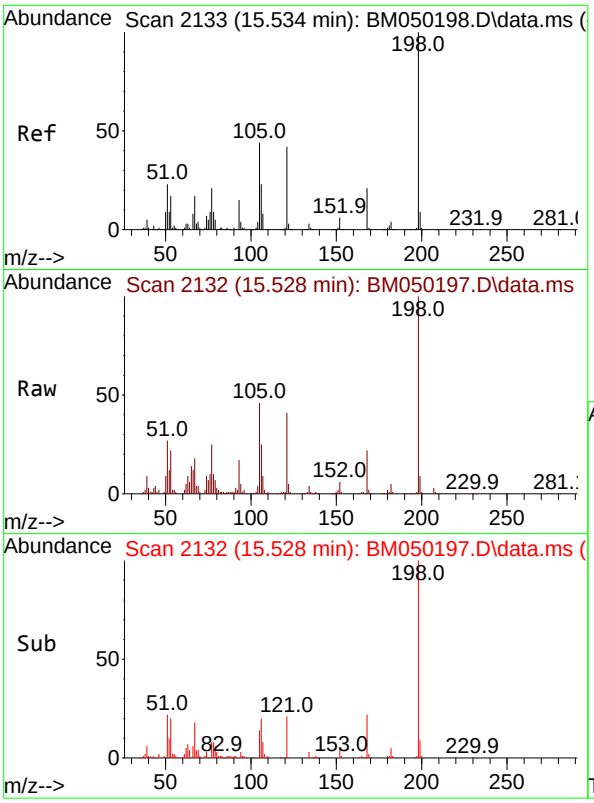


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:188 Resp: 1364843

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.1	12.1
80	10.9	8.6	13.0





#65
4,6-Dinitro-2-methylphenol
Concen: 18.514 ng
RT: 15.528 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

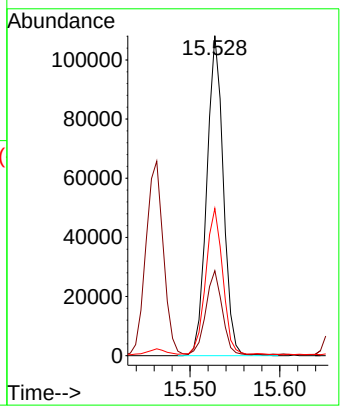
Tgt Ion:198 Resp: 13801

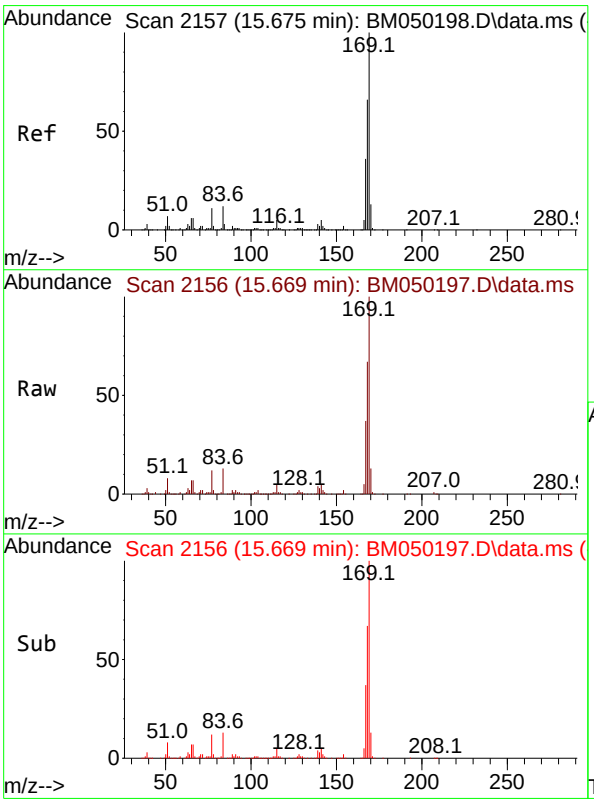
Ion	Ratio	Lower	Upper
198	100		
51	26.6	4.5	44.5
105	46.0	24.9	64.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

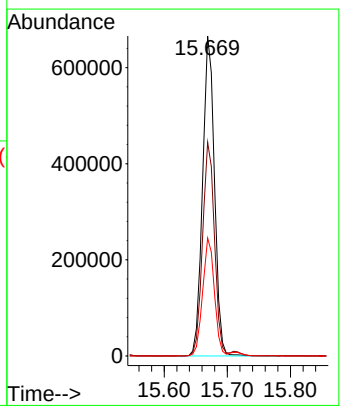


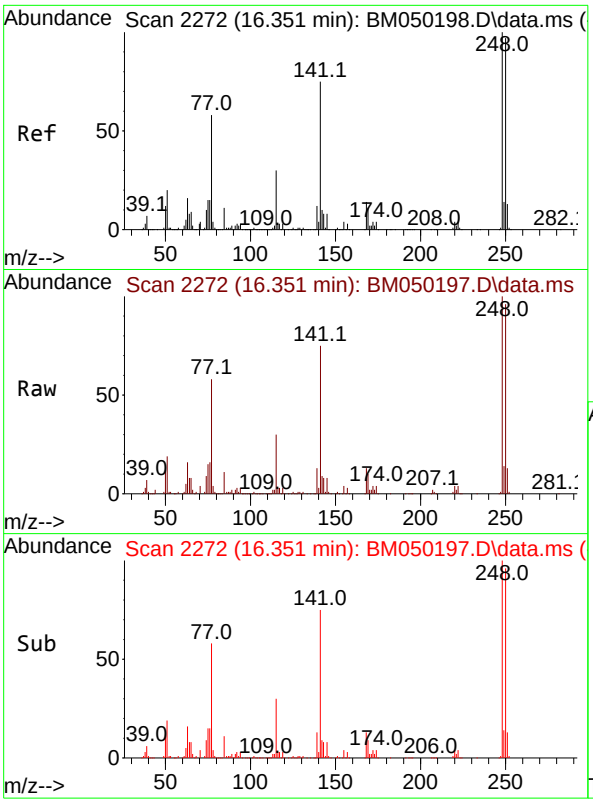


#66
n-Nitrosodiphenylamine
Concen: 20.349 ng
RT: 15.669 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:169 Resp: 872651

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.1	79.7
167	36.8	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 20.172 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

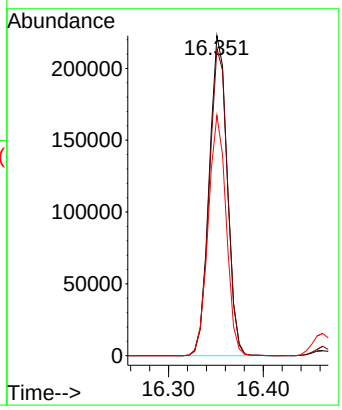
Tgt Ion:248 Resp: 29358

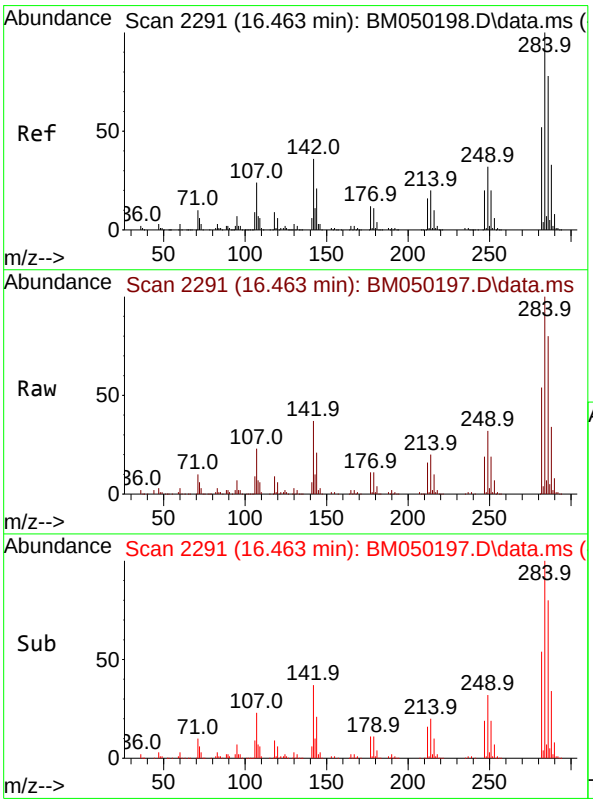
Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.0	117.0
141	75.1	60.1	90.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

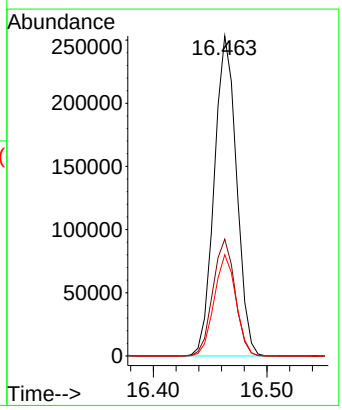


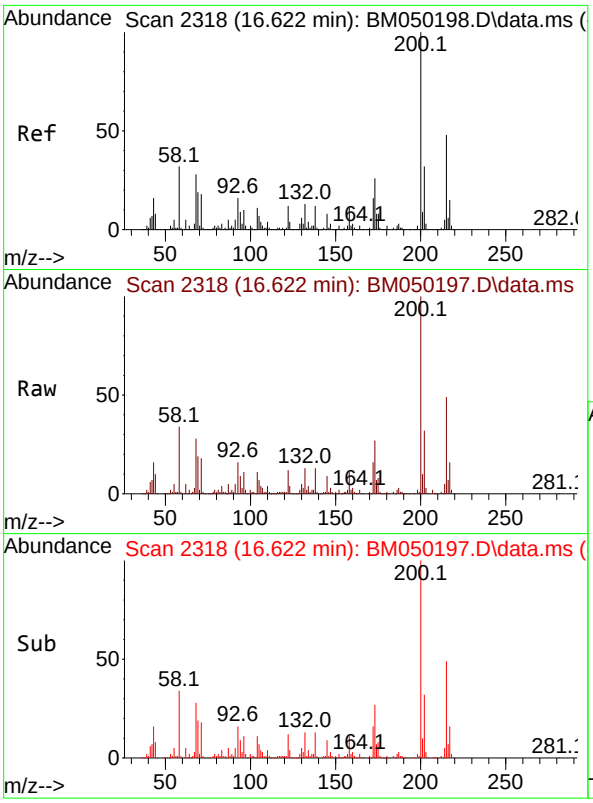


#68
Hexachlorobenzene
Concen: 20.343 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:284 Resp: 345929

Ion	Ratio	Lower	Upper
284	100		
142	36.5	28.8	43.2
249	31.7	25.8	38.6

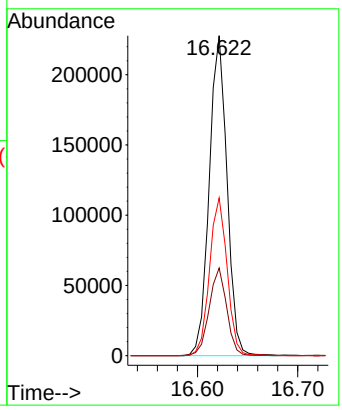




#69
Atrazine
Concen: 20.591 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:200 Resp: 28136

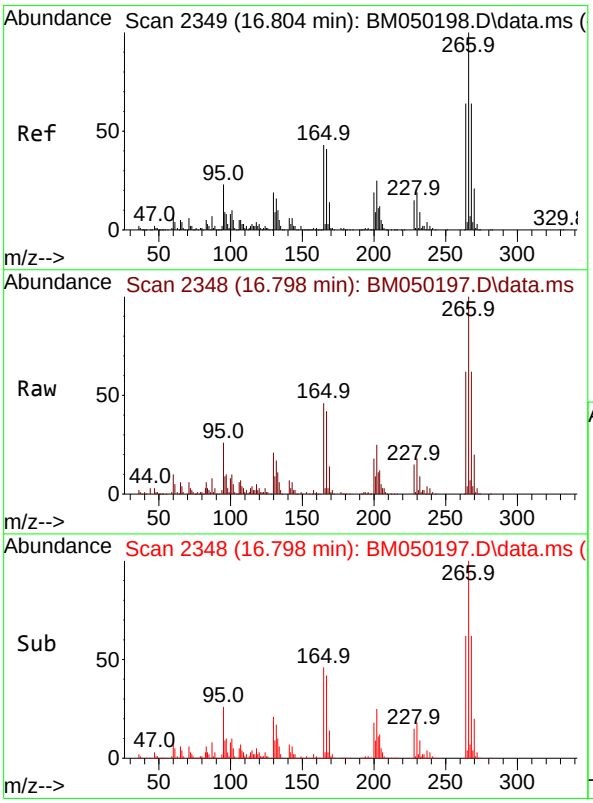
Ion	Ratio	Lower	Upper
200	100		
173	27.4	6.0	46.0
215	49.3	28.1	68.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

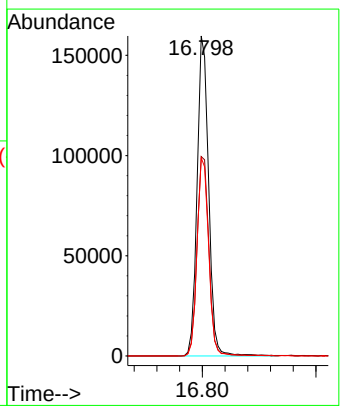
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

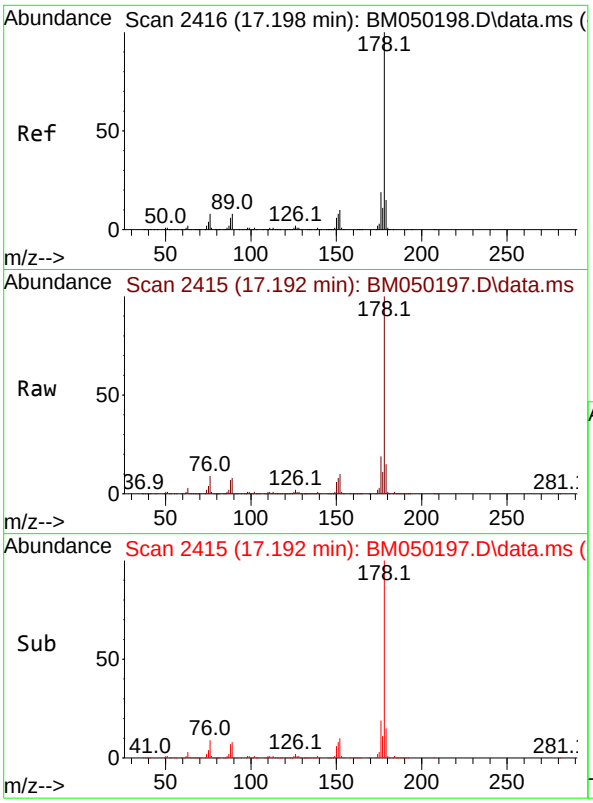


#70
Pentachlorophenol
Concen: 20.396 ng
RT: 16.798 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:266 Resp: 225494

Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.0	76.6
264	61.9	50.8	76.2

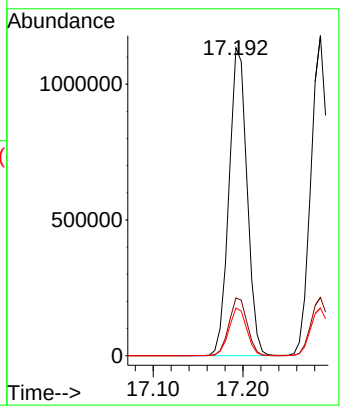




#71
Phenanthrene
Concen: 20.305 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:178 Resp: 158318

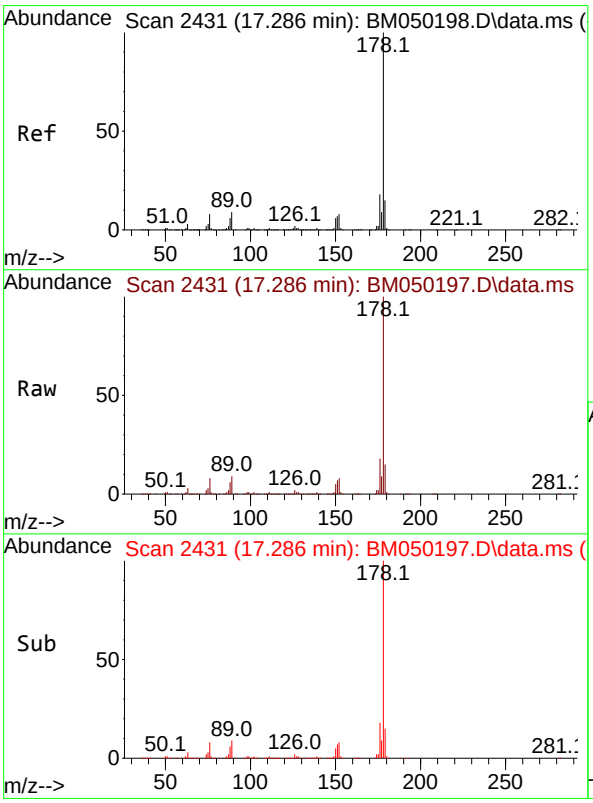
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	15.5	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

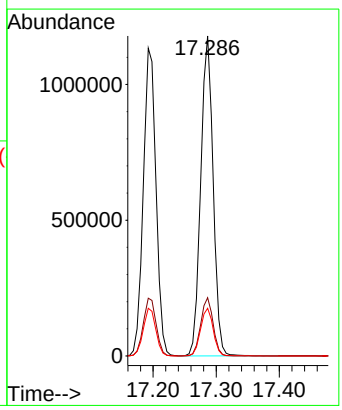
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

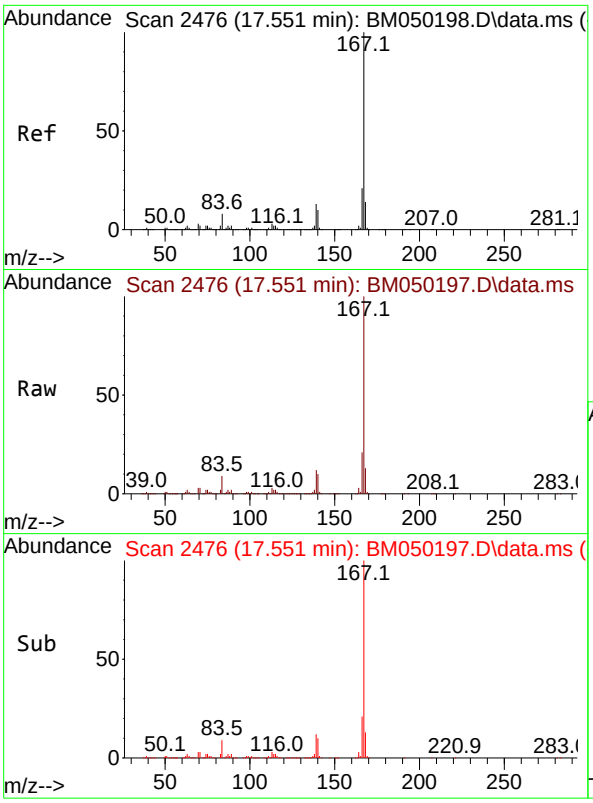


#72
Anthracene
Concen: 20.560 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:178 Resp: 1603637

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	14.9	12.3	18.5

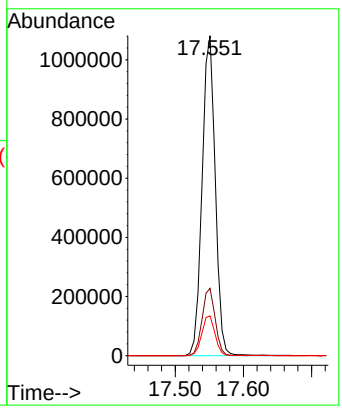




#73
Carbazole
Concen: 20.414 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:167 Resp: 145058

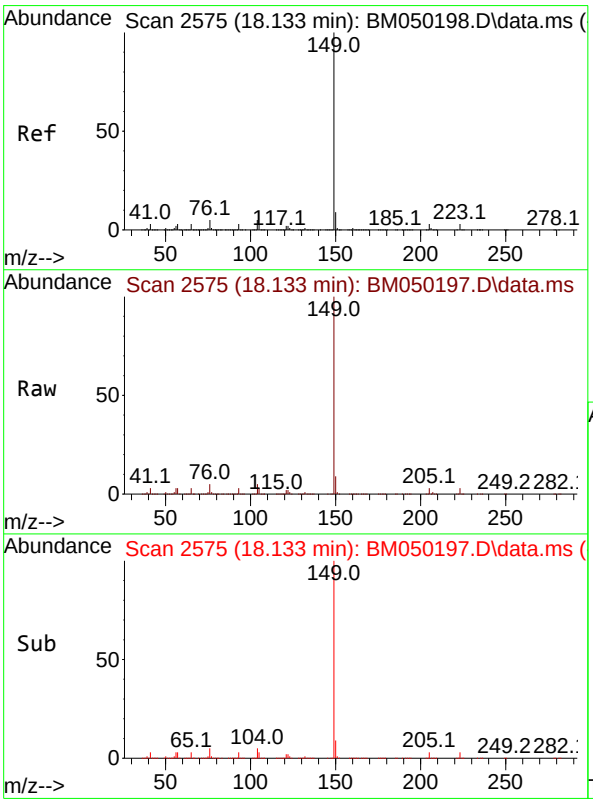
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.5	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

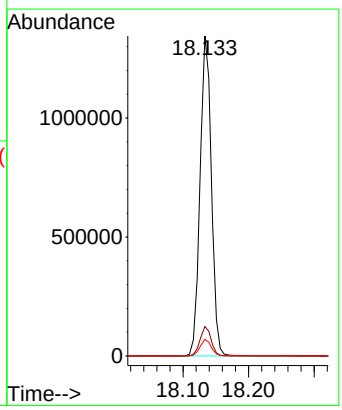
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

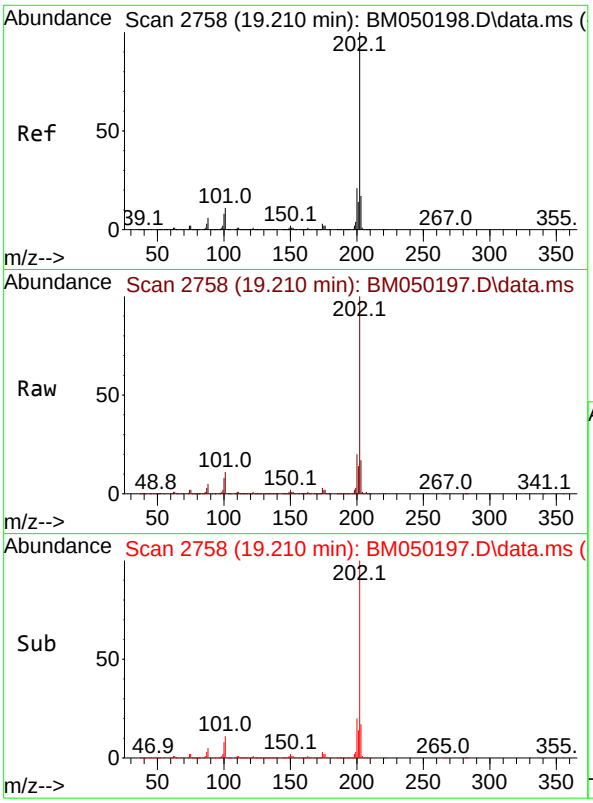


#74
Di-n-butylphthalate
Concen: 20.950 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:149 Resp: 1619797

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.0	6.0





#75
Fluoranthene
Concen: 20.431 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

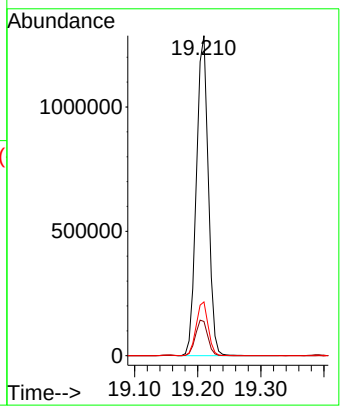
Tgt Ion:202 Resp: 167994

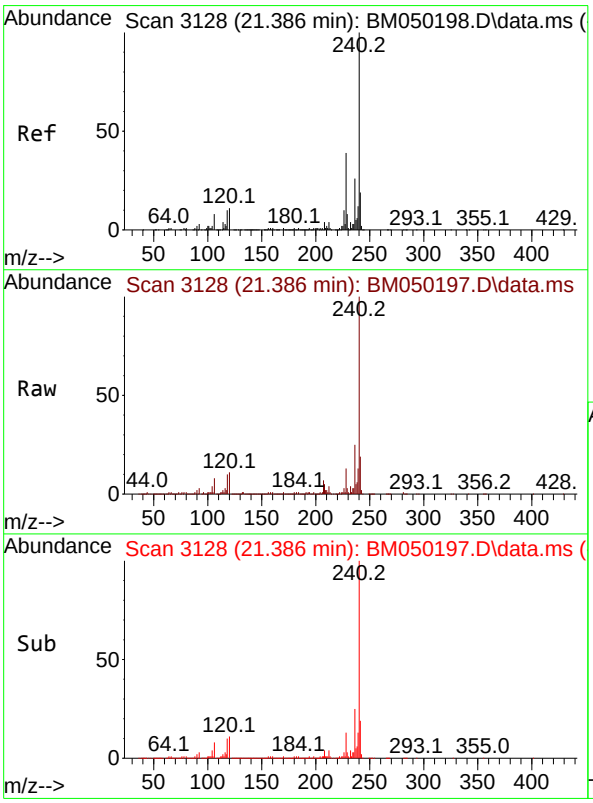
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.1
203	16.8	0.0	37.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

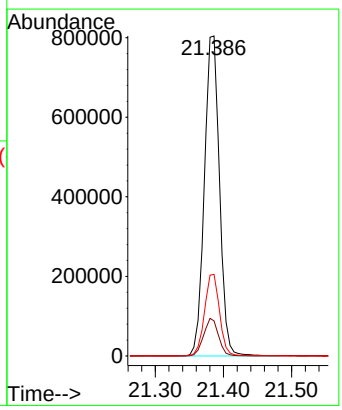


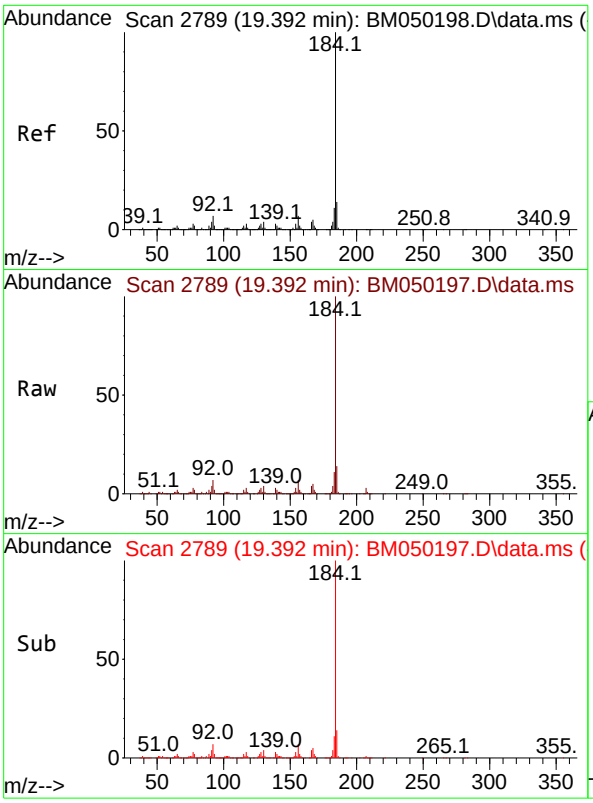


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:240 Resp: 1240830

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	25.5	20.7	31.1

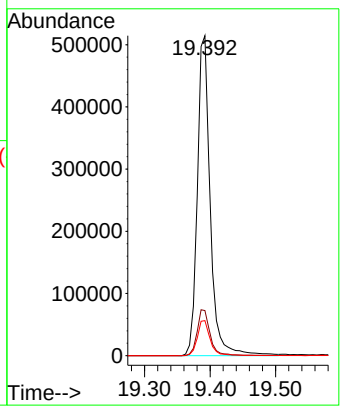




#77
Benzidine
Concen: 20.194 ng
RT: 19.392 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:184 Resp: 70462

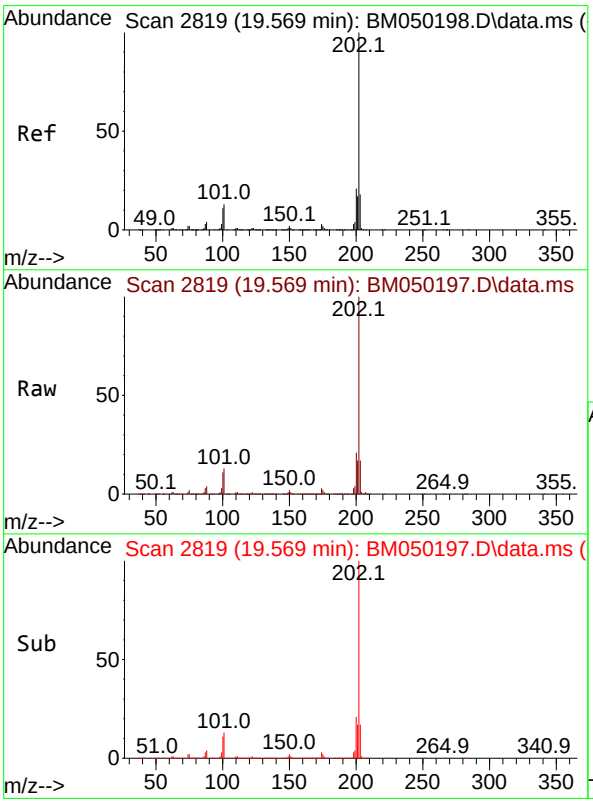
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.0	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

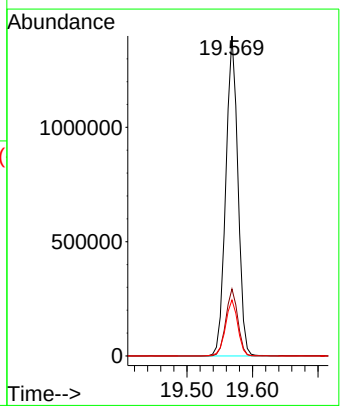
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

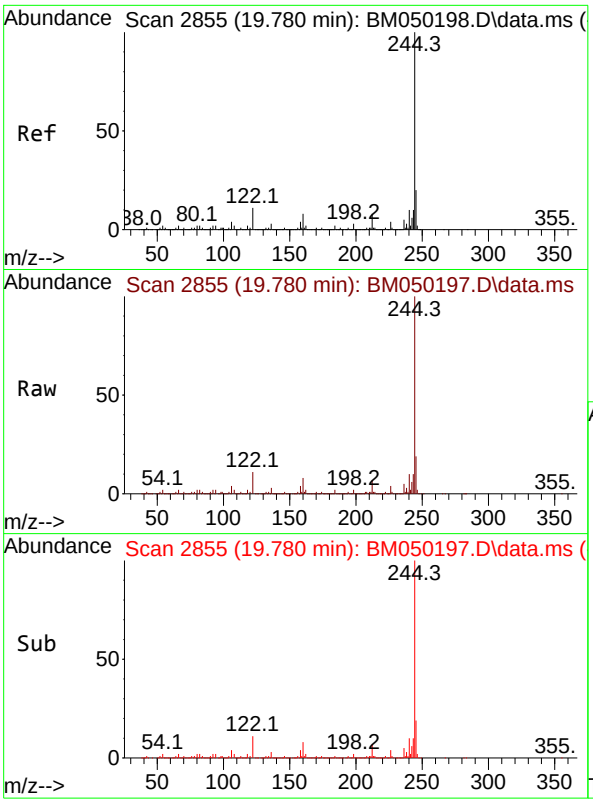


#78
Pyrene
Concen: 21.427 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:202 Resp: 1791963

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

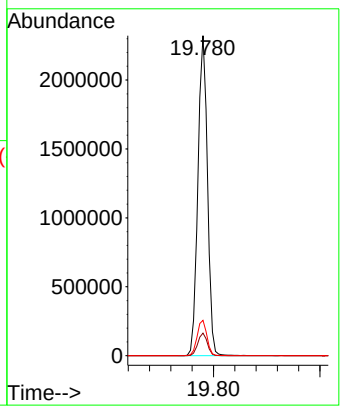




#79
Terphenyl-d14
Concen: 44.169 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:244 Resp: 289209

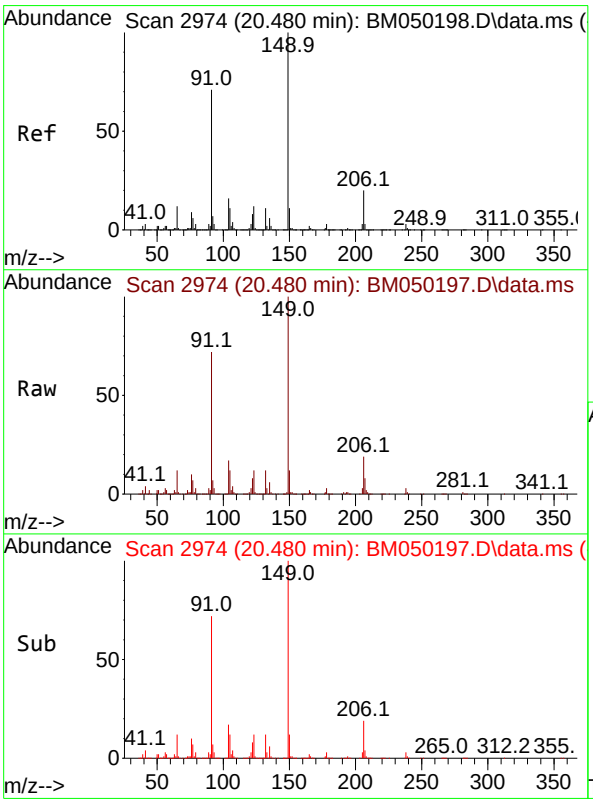
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.1	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

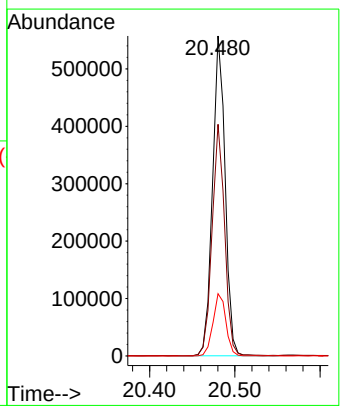
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

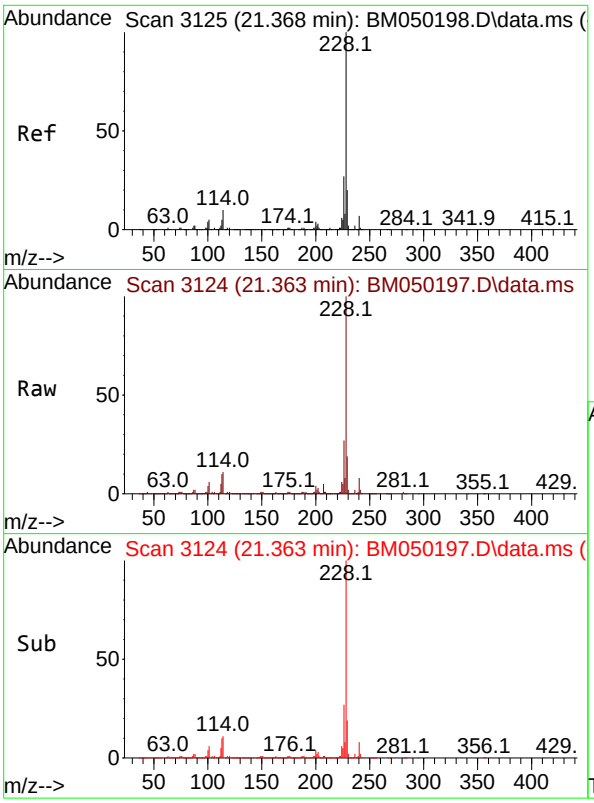


#80
Butylbenzylphthalate
Concen: 20.453 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:149 Resp: 570581

Ion	Ratio	Lower	Upper
149	100		
91	72.4	56.9	85.3
206	19.5	16.1	24.1

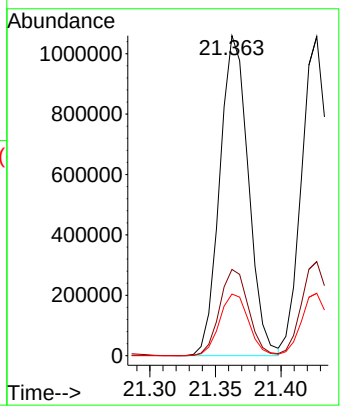




#81
Benzo(a)anthracene
Concen: 20.502 ng
RT: 21.363 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:228 Resp: 161020

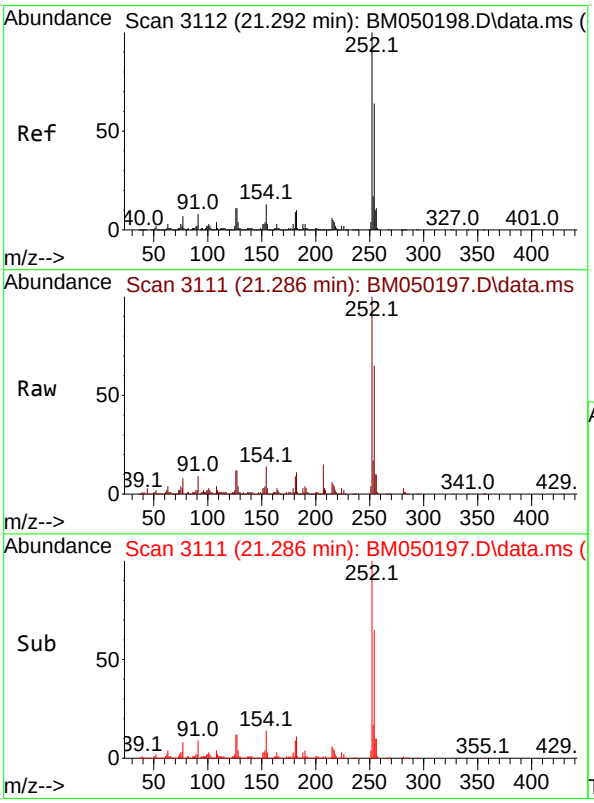
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.2	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

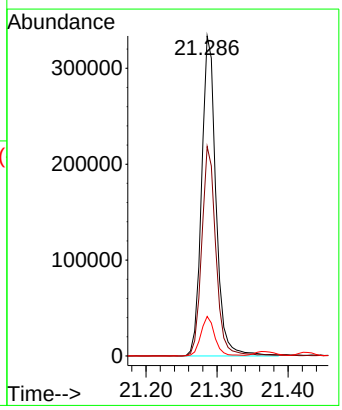
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

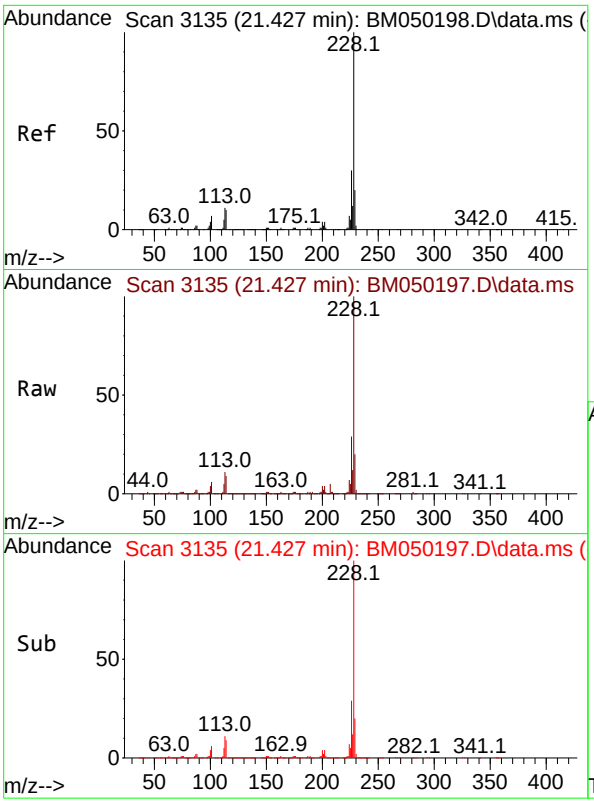


#82
3,3'-Dichlorobenzidine
Concen: 19.636 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:252 Resp: 470294

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.4	77.0
126	12.4	8.6	12.8

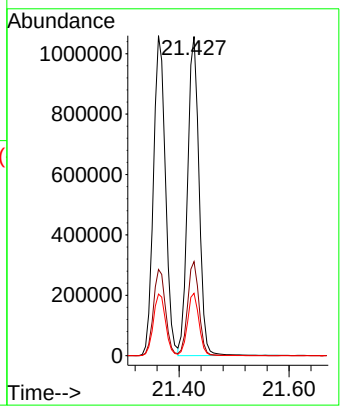




#83
Chrysene
Concen: 20.343 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:228 Resp: 151982

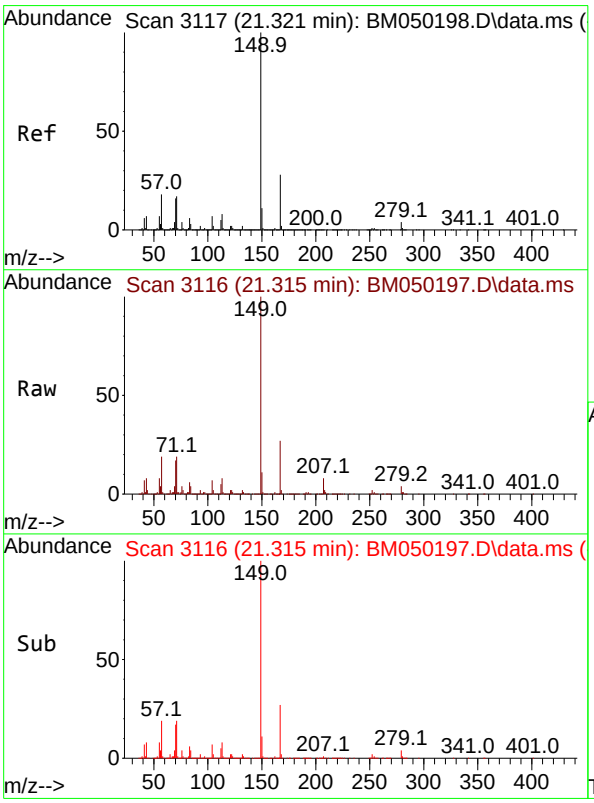
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	19.6	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

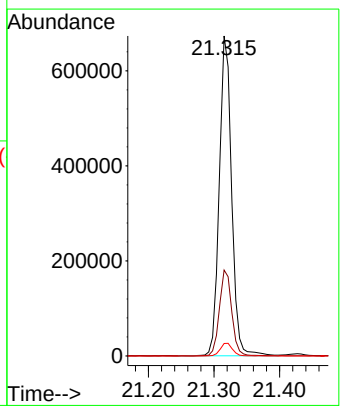
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

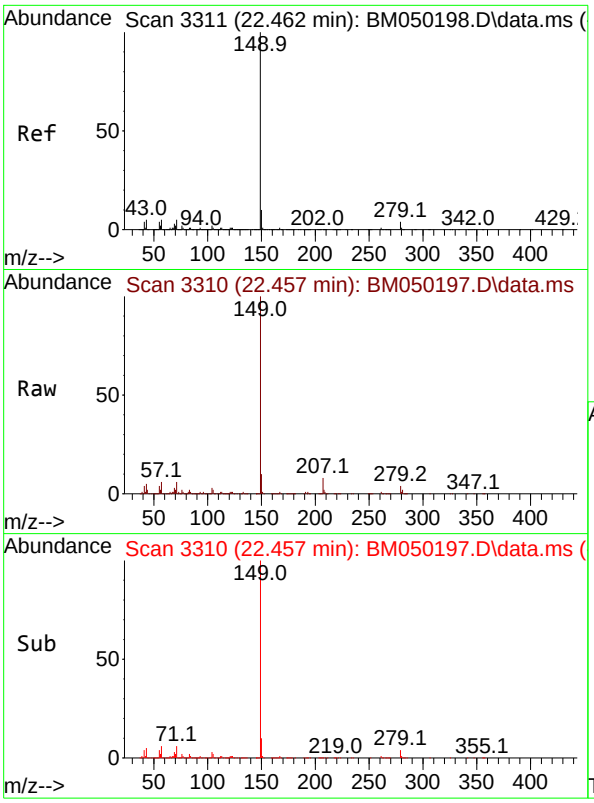


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.277 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:149 Resp: 871329

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.3	33.5
279	3.9	3.5	5.3

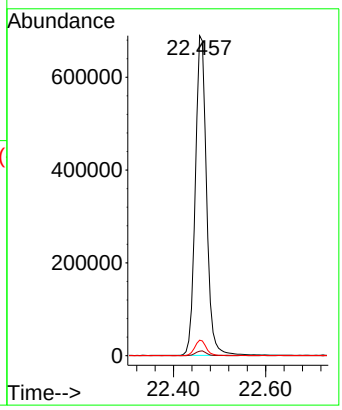




#85
Di-n-octyl phthalate
Concen: 18.223 ng
RT: 22.457 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:149 Resp: 116195

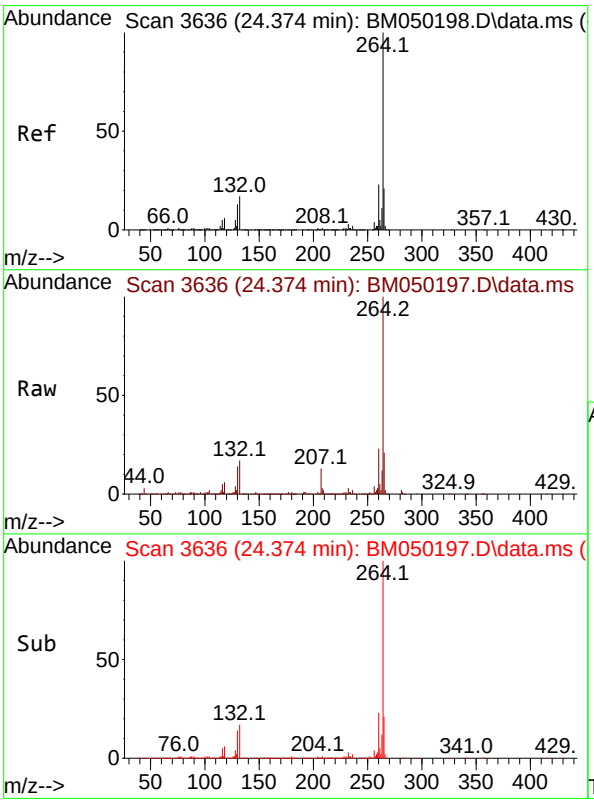
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	5.1	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

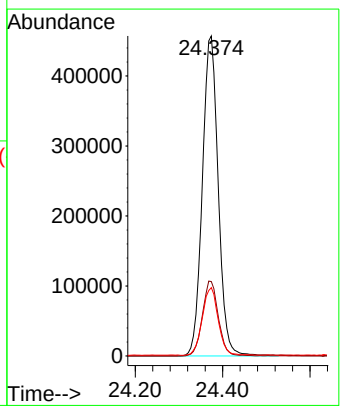
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

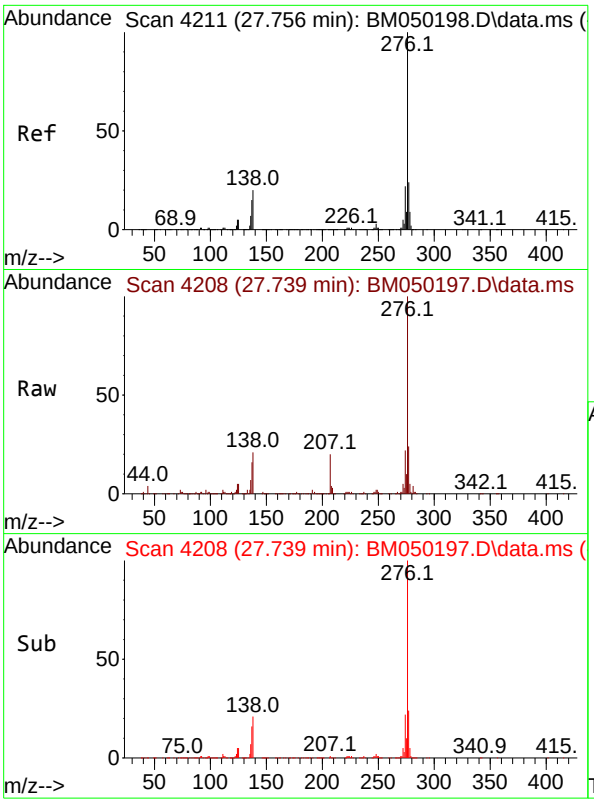


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:264 Resp: 1156806

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.4	16.8	25.2

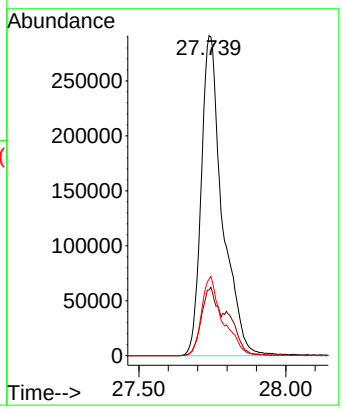




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.472 ng
RT: 27.739 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:276 Resp: 145038

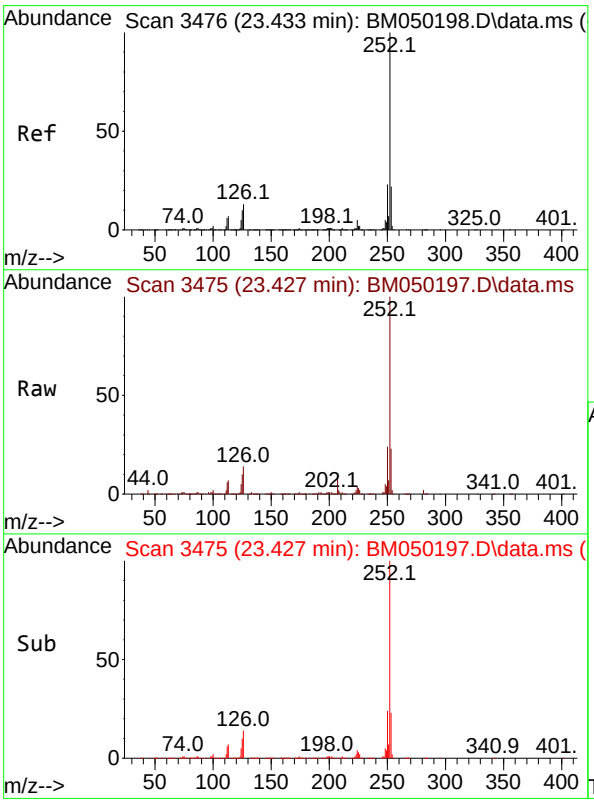
Ion	Ratio	Lower	Upper
276	100		
138	16.7	20.6	30.8
277	25.0	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

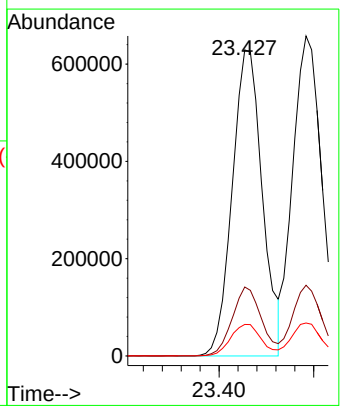
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

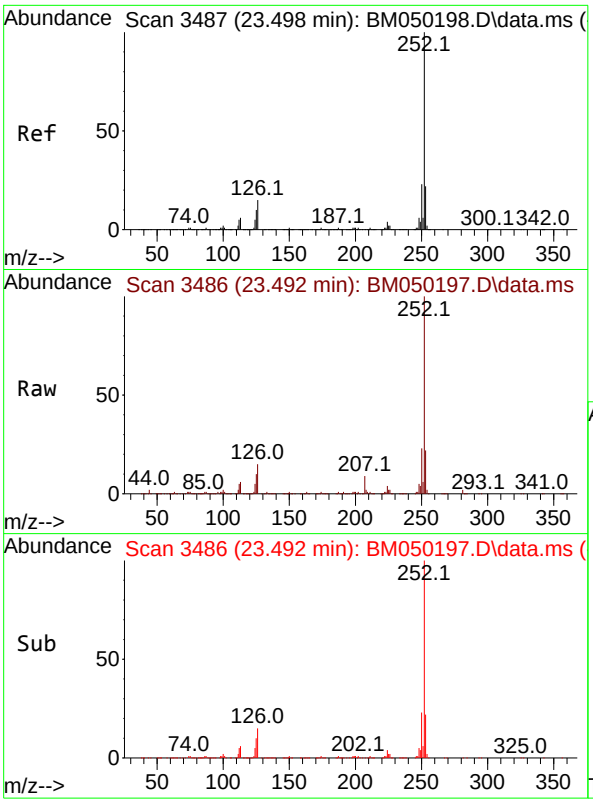


#88
Benzo(b)fluoranthene
Concen: 20.720 ng
RT: 23.427 min Scan# 3475
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:252 Resp: 1393549

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	10.3	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 20.594 ng
RT: 23.492 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

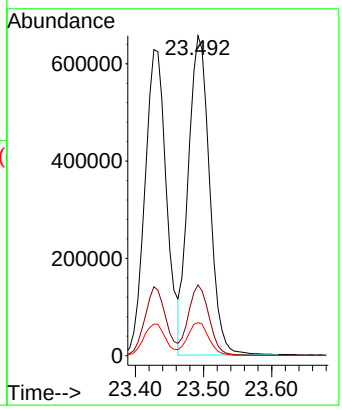
Tgt Ion:252 Resp: 141397

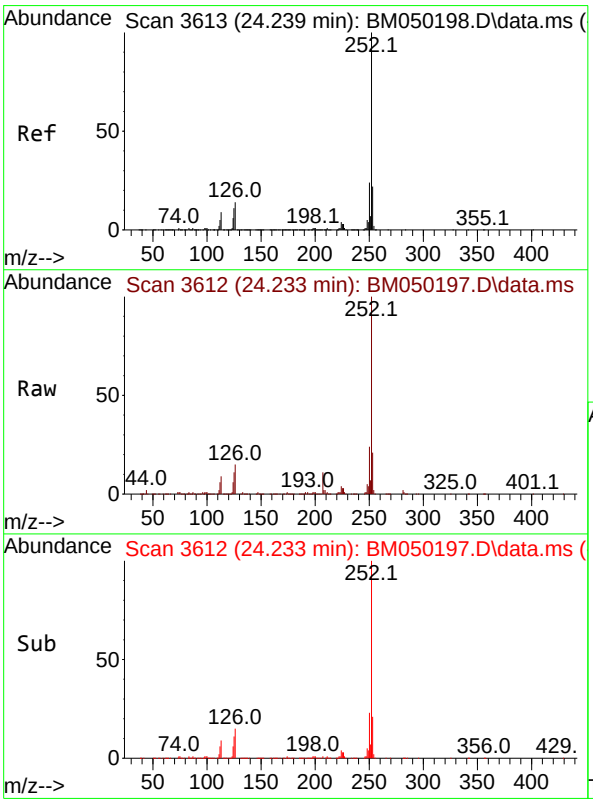
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.2	12.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

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

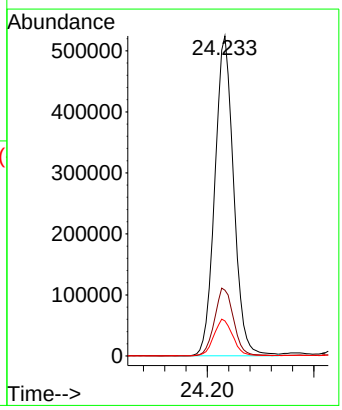


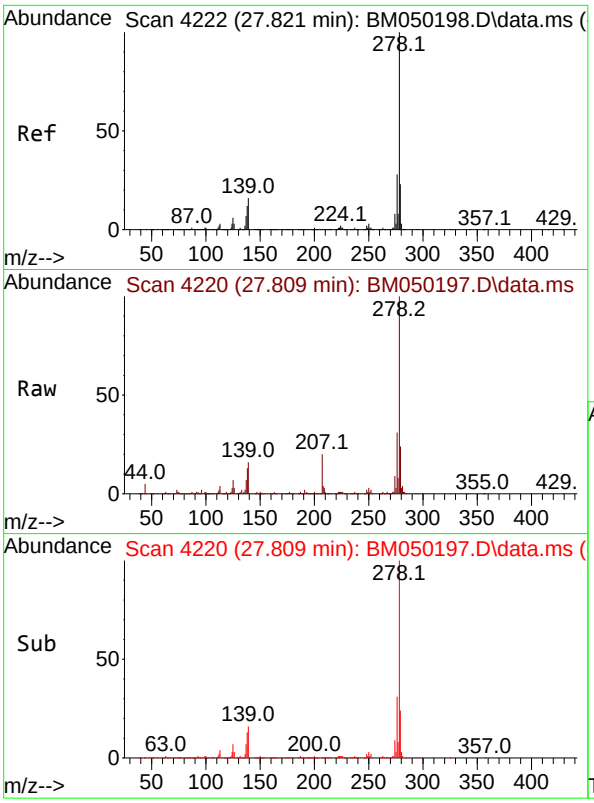


#90
Benzo(a)pyrene
Concen: 20.315 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:252 Resp: 1284647

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	11.0	9.0	13.4

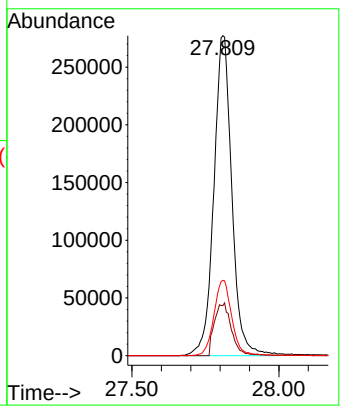




#91
Dibenzo(a,h)anthracene
Concen: 19.538 ng
RT: 27.809 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:278 Resp: 118127

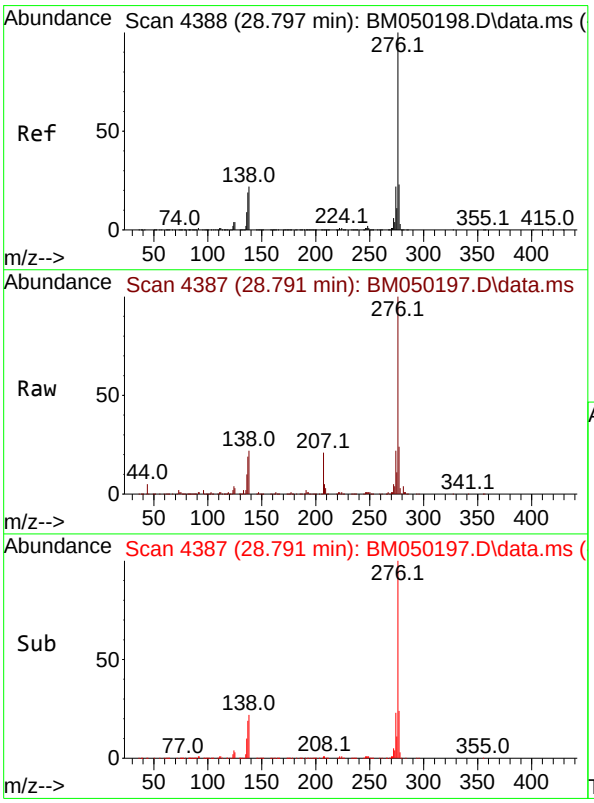
Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.8	19.2
279	23.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

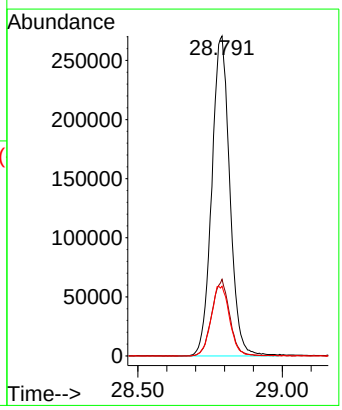
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#92
Benzo(g,h,i)perylene
Concen: 19.358 ng
RT: 28.791 min Scan# 4387
Delta R.T. -0.006 min
Lab File: BM050197.D
Acq: 05 Jun 2025 11:17

Tgt Ion:276 Resp: 1171360

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	21.8	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	308806	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1316349	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	819036	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1590674	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1484493	20.000	ng	0.00
86) Perylene-d12	24.374	264	1410376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1414880	76.431	ng	0.00
7) Phenol-d6	6.952	99	1932648	79.307	ng	0.00
23) Nitrobenzene-d5	8.940	82	1984901	78.422	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	756605	81.216	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	4510866	74.564	ng	0.00
79) Terphenyl-d14	19.780	244	5997941	76.566	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	296051	36.484	ng	100
3) Pyridine	3.681	79	809743	38.534	ng	100
4) n-Nitrosodimethylamine	3.593	42	167736	38.601	ng	100
6) Aniline	7.116	93	1275182	39.583	ng	100
8) 2-Chlorophenol	7.352	128	799983	39.288	ng	100
9) Benzaldehyde	6.928	77	542319	35.003	ng	100
10) Phenol	6.975	94	1015393	39.380	ng	100
11) bis(2-Chloroethyl)ether	7.211	93	812045	39.155	ng	100
12) 1,3-Dichlorobenzene	7.681	146	871882	38.301	ng	100
13) 1,4-Dichlorobenzene	7.822	146	895582	37.813	ng	100
14) 1,2-Dichlorobenzene	8.140	146	865951	38.353	ng	100
15) Benzyl Alcohol	8.022	79	704555	40.536	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.322	45	561618	38.982	ng	100
17) 2-Methylphenol	8.222	107	684260	40.220	ng	100
18) Hexachloroethane	8.869	117	329145	38.374	ng	100
19) n-Nitroso-di-n-propyla...	8.599	70	618395	41.468	ng	100
20) 3+4-Methylphenols	8.552	107	932041	40.948	ng	100
22) Acetophenone	8.605	105	1252780	38.094	ng	100
24) Nitrobenzene	8.981	77	893607	38.820	ng	100
25) Isophorone	9.510	82	1735374	39.724	ng	100
26) 2-Nitrophenol	9.687	139	407943	41.055	ng	100
27) 2,4-Dimethylphenol	9.752	122	798142	39.057	ng	100
28) bis(2-Chloroethoxy)met...	9.993	93	1123606	39.371	ng	100
29) 2,4-Dichlorophenol	10.222	162	752942	39.853	ng	100
30) 1,2,4-Trichlorobenzene	10.440	180	803693	38.227	ng	100
31) Naphthalene	10.628	128	2571805	37.788	ng	100
32) Benzoic acid	9.875	122	538152	41.942	ng	100
33) 4-Chloroaniline	10.728	127	1139540	39.273	ng	100
34) Hexachlorobutadiene	10.922	225	480290	38.406	ng	100
35) Caprolactam	11.499	113	256391	42.805	ng	100
36) 4-Chloro-3-methylphenol	11.851	107	824664	40.906	ng	100
37) 2-Methylnaphthalene	12.240	142	1619990	39.456	ng	100
38) 1-Methylnaphthalene	12.457	142	1708673	39.210	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	886232	37.472	ng	100
41) Hexachlorocyclopentadiene	12.598	237	558871	38.910	ng	100
43) 2,4,6-Trichlorophenol	12.845	196	613571	39.450	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	678534	39.736	ng	100
46) 1,1'-Biphenyl	13.257	154	2299241	37.491	ng	100
47) 2-Chloronaphthalene	13.293	162	1775515	37.239	ng	100
48) 2-Nitroaniline	13.487	65	439212	41.860	ng	100
49) Acenaphthylene	14.140	152	2979847	38.640	ng	100
50) Dimethylphthalate	13.881	163	2200039	39.718	ng	100
51) 2,6-Dinitrotoluene	13.987	165	473177	42.359	ng	100
52) Acenaphthene	14.481	154	1854951	38.456	ng	100
53) 3-Nitroaniline	14.310	138	529333	42.518	ng	100
54) 2,4-Dinitrophenol	14.510	184	249778	37.659	ng	100
55) Dibenzofuran	14.816	168	2721863	38.571	ng	100
56) 4-Nitrophenol	14.610	139	449268	42.399	ng	100
57) 2,4-Dinitrotoluene	14.769	165	648297	43.996	ng	100
58) Fluorene	15.463	166	2075880	38.407	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.039	232	597496m	40.441	ng	
60) Diethylphthalate	15.245	149	2205514	40.130	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1001298	38.331	ng	100
62) 4-Nitroaniline	15.475	138	503785	43.174	ng	100
63) Azobenzene	15.757	77	2151453	39.165	ng	100
65) 4,6-Dinitro-2-methylph...	15.534	198	353237	40.658	ng	100
66) n-Nitrosodiphenylamine	15.675	169	1888442	37.784	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	648140	38.210	ng	100
68) Hexachlorobenzene	16.463	284	755736	38.133	ng	100
69) Atrazine	16.622	200	654294	41.086	ng	100
70) Pentachlorophenol	16.804	266	520982	40.433	ng	100
71) Phenanthrene	17.198	178	3406564	37.488	ng	100
72) Anthracene	17.286	178	3455118	38.008	ng	100
73) Carbazole	17.551	167	3209816	38.758	ng	100
74) Di-n-butylphthalate	18.133	149	3688687	40.935	ng	100
75) Fluoranthene	19.210	202	3748435	39.116	ng	100
77) Benzidine	19.392	184	1831158	43.865	ng	100
78) Pyrene	19.569	202	3930978	39.288	ng	100
80) Butylbenzylphthalate	20.480	149	1455291	43.604	ng	100
81) Benzo(a)anthracene	21.368	228	3616438	38.488	ng	100
82) 3,3'-Dichlorobenzidine	21.292	252	1232348	43.008	ng	100
83) Chrysene	21.427	228	3415842	38.218	ng	100
84) Bis(2-ethylhexyl)phtha...	21.321	149	2198448	42.764	ng	100
85) Di-n-octyl phthalate	22.462	149	3308886	43.375	ng	100
87) Indeno(1,2,3-cd)pyrene	27.756	276	3359194	36.991	ng	100
88) Benzo(b)fluoranthene	23.433	252	3299020	40.232	ng	100
89) Benzo(k)fluoranthene	23.498	252	3292030	39.327	ng	100
90) Benzo(a)pyrene	24.239	252	3048619	39.542	ng	100
91) Dibenzo(a,h)anthracene	27.821	278	2740891	37.184	ng	100
92) Benzo(g,h,i)perylene	28.797	276	2690355	36.467	ng	100

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

ICAL Form

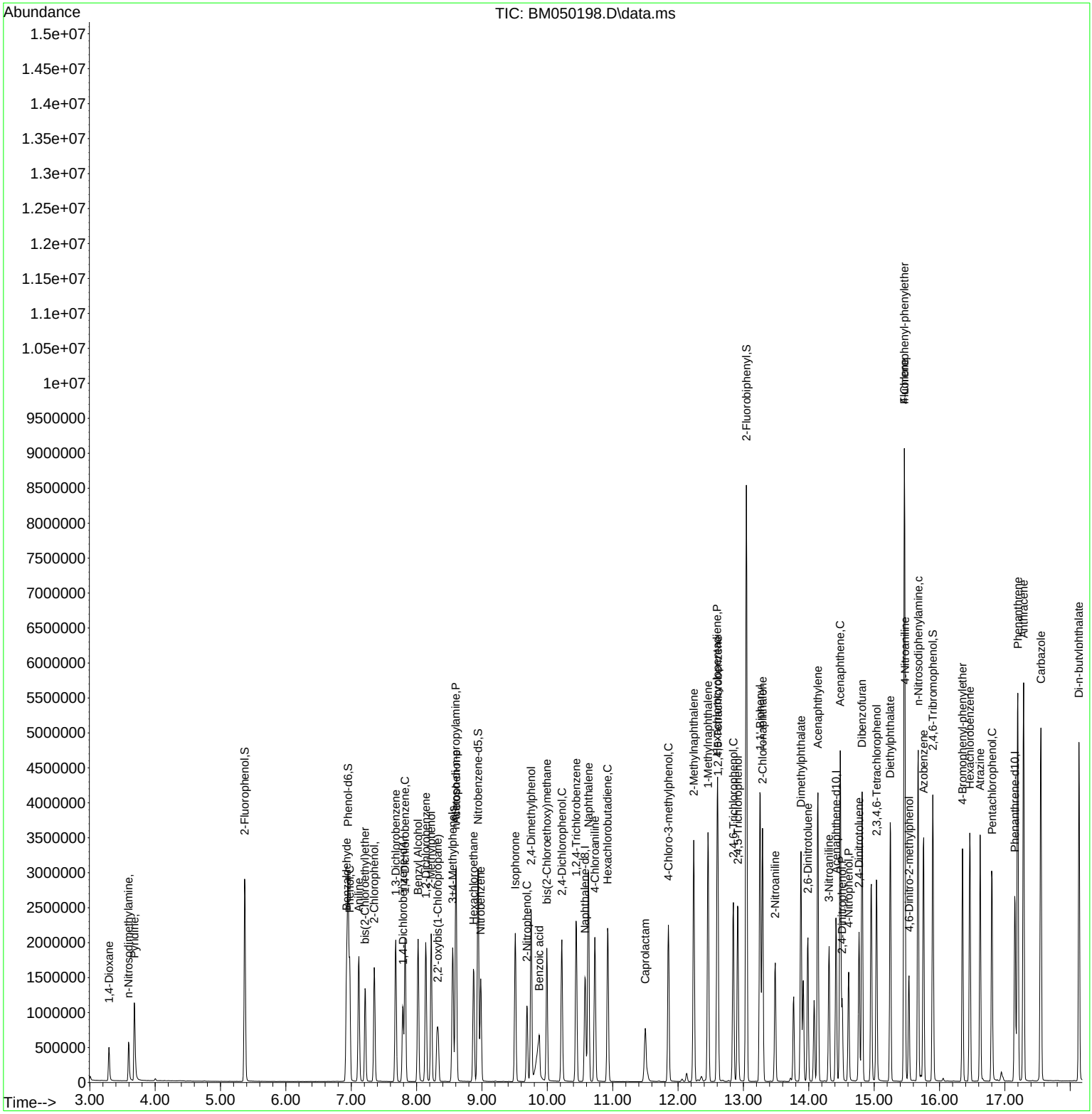
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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



ICAL Form

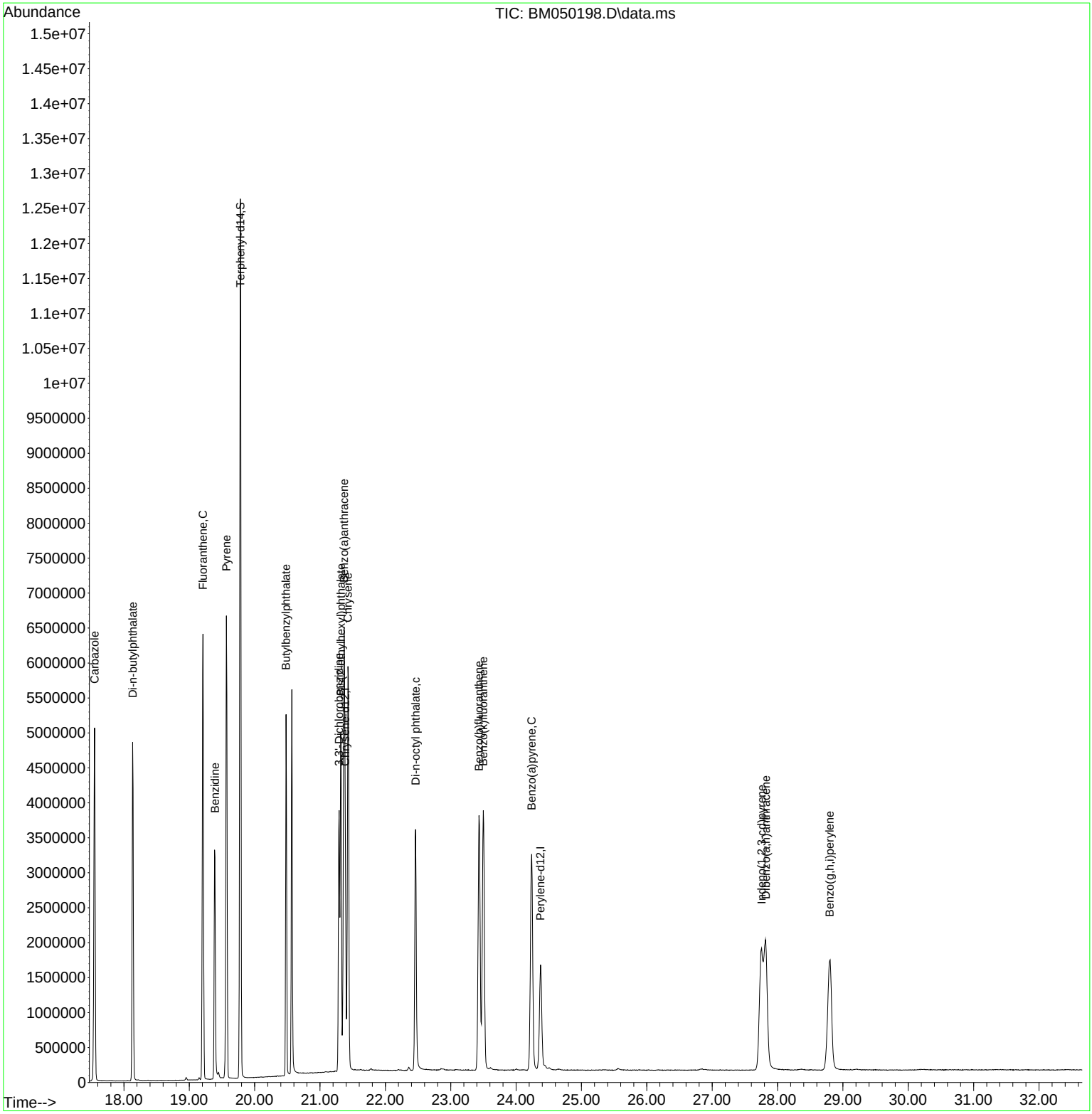
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

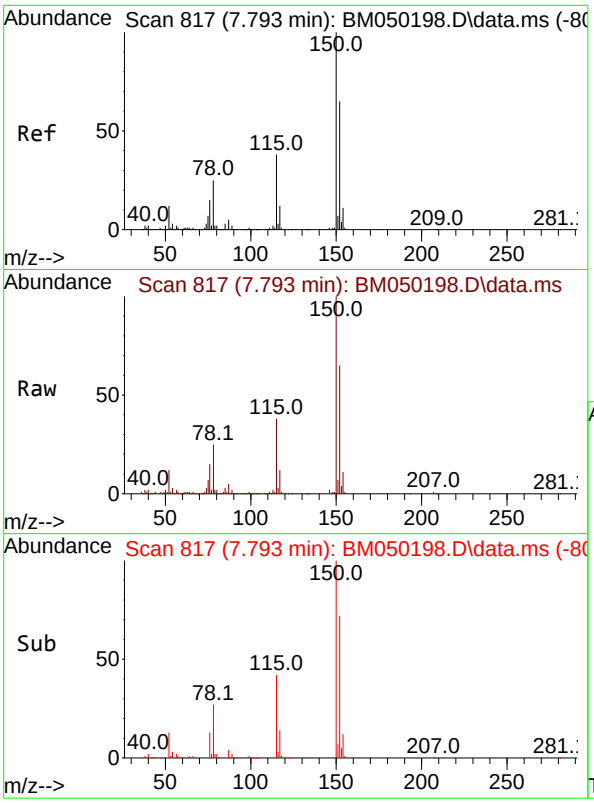
Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

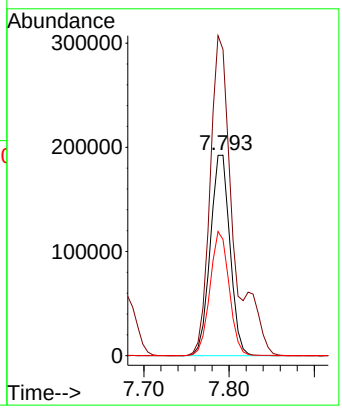




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:152 Resp: 30880

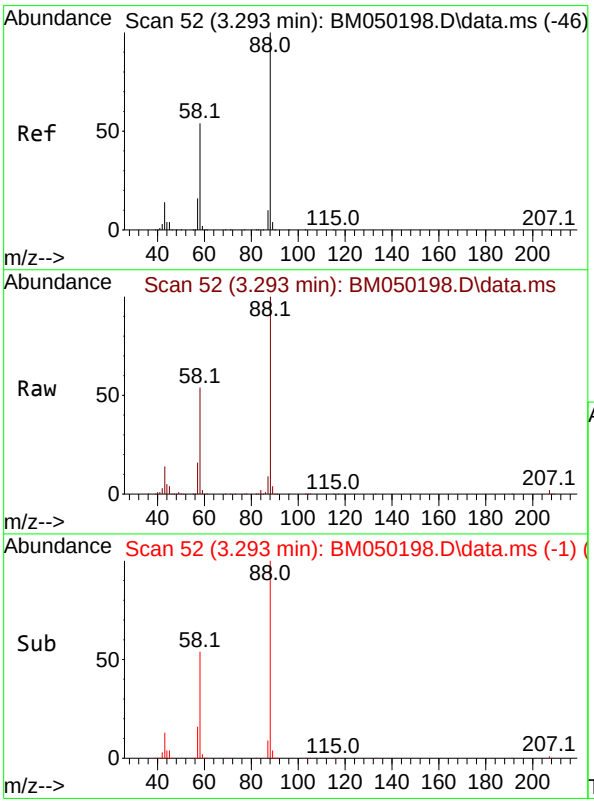
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	57.9	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

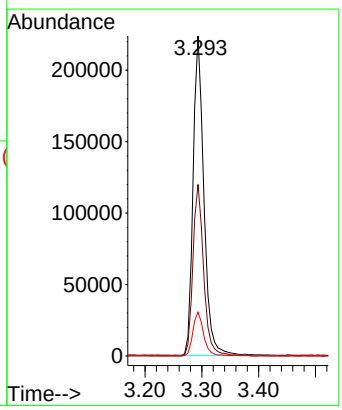
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

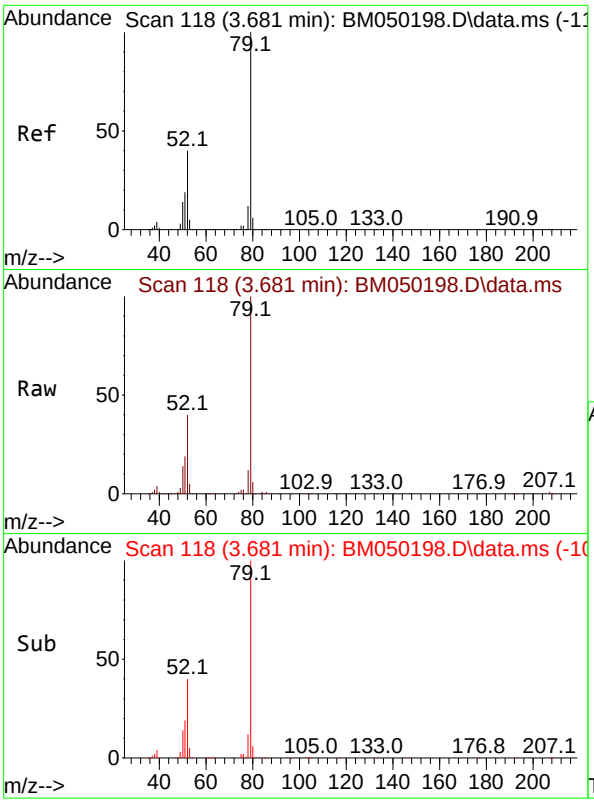


#2
1,4-Dioxane
Concen: 36.484 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 88 Resp: 296051

Ion	Ratio	Lower	Upper
88	100		
58	53.6	42.9	64.3
43	13.8	11.0	16.6

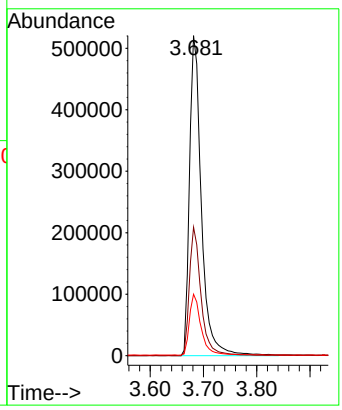




#3
Pyridine
Concen: 38.534 ng
RT: 3.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 79 Resp: 80974

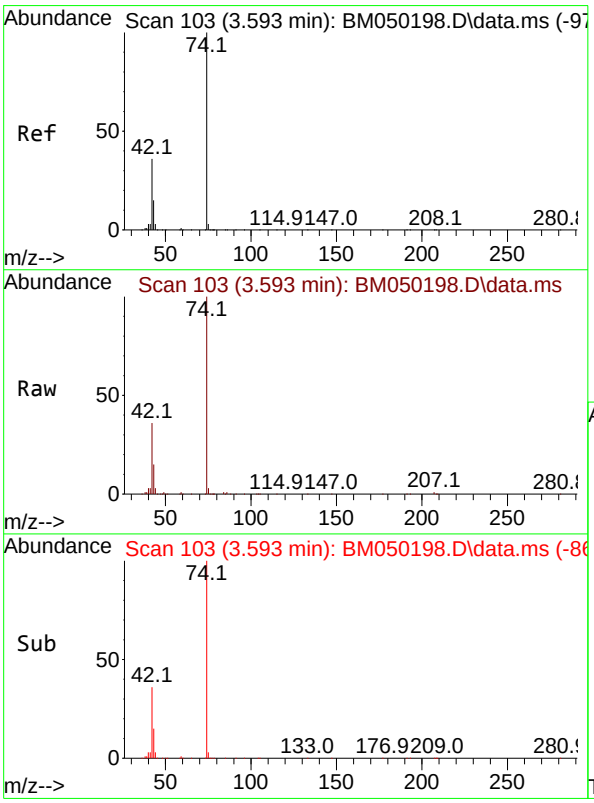
Ion	Ratio	Lower	Upper
79	100		
52	40.1	32.1	48.1
51	19.2	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

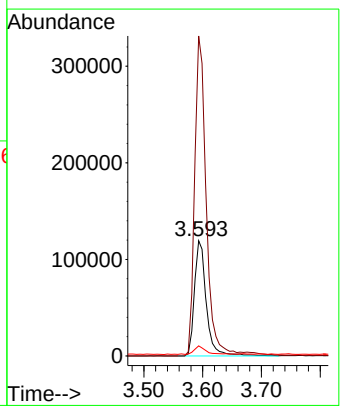
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

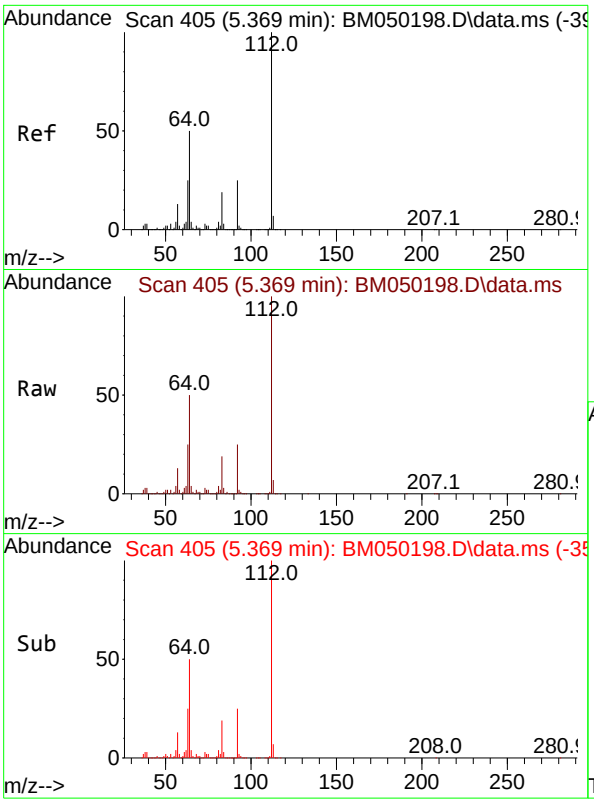


#4
n-Nitrosodimethylamine
Concen: 38.601 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 42 Resp: 167736

Ion	Ratio	Lower	Upper
42	100		
74	277.5	222.0	333.0
44	8.8	7.0	10.6

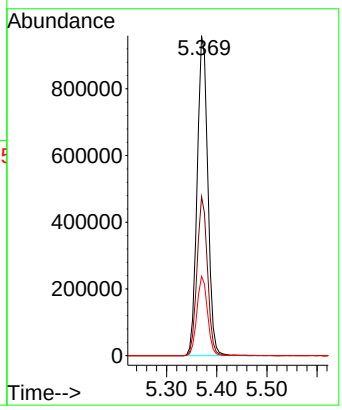




#5
2-Fluorophenol
Concen: 76.431 ng
RT: 5.369 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:112 Resp: 141488

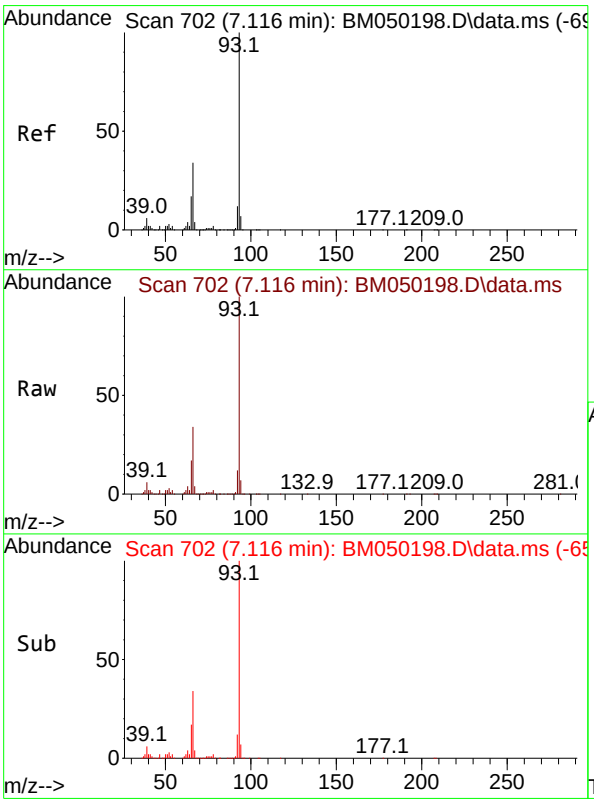
Ion	Ratio	Lower	Upper
112	100		
64	49.7	39.8	59.6
63	24.8	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

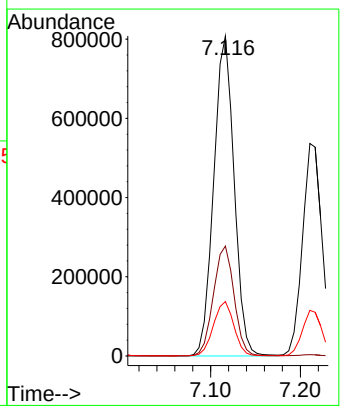
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

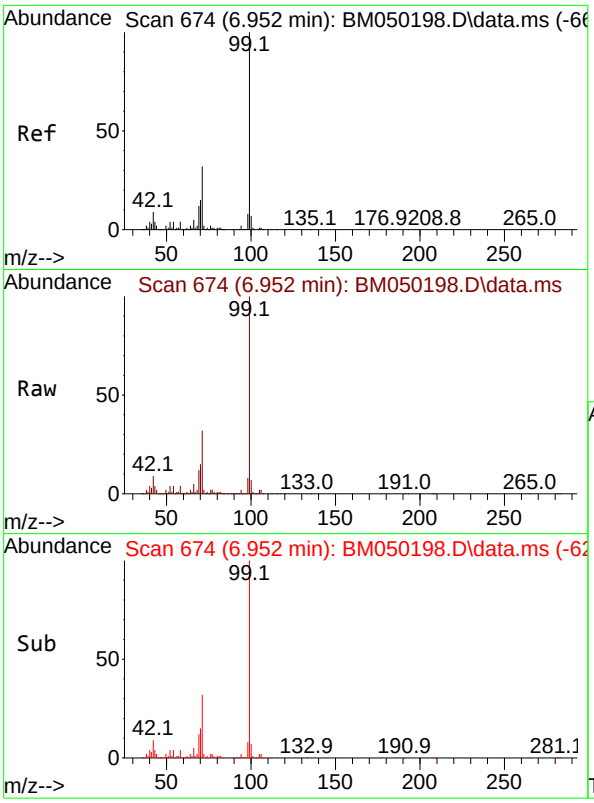


#6
Aniline
Concen: 39.583 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 93 Resp: 1275182

Ion	Ratio	Lower	Upper
93	100		
66	34.3	27.4	41.2
65	17.0	13.6	20.4

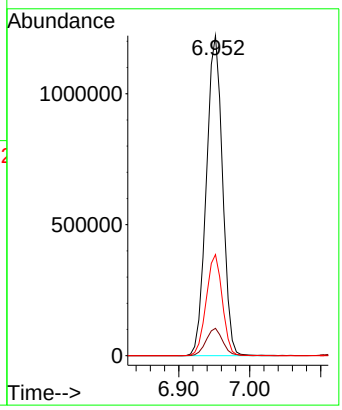




#7
Phenol-d6
Concen: 79.307 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 99 Resp: 193264

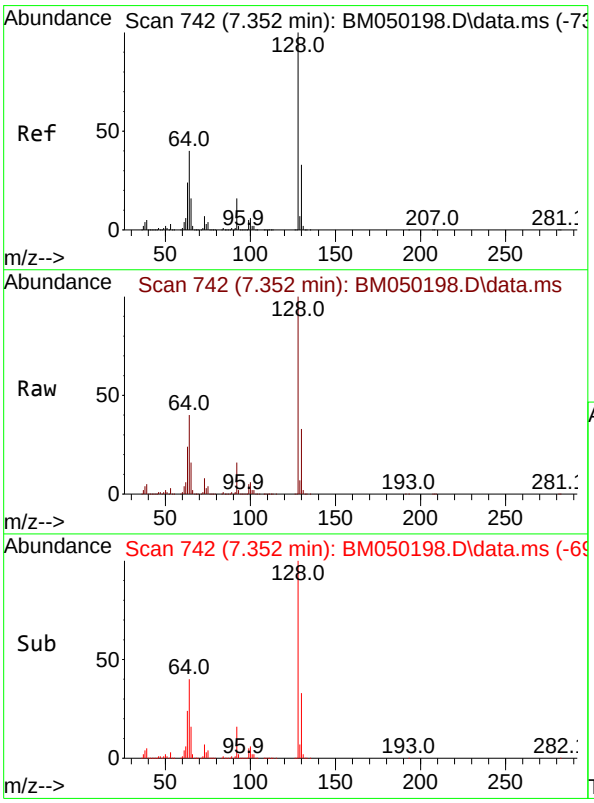
Ion	Ratio	Lower	Upper
99	100		
42	8.6	6.9	10.3
71	31.6	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

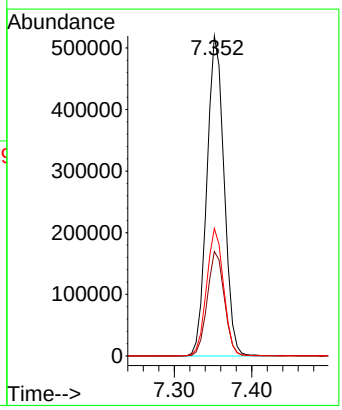
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

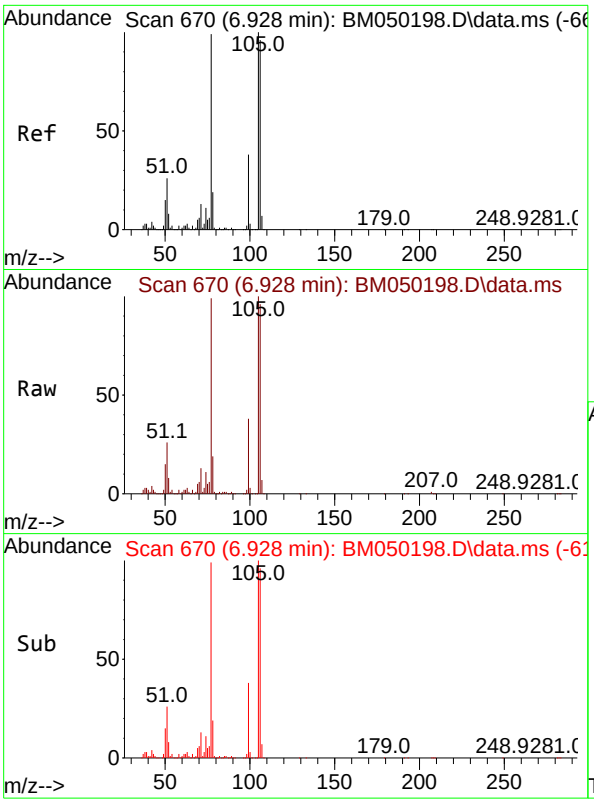


#8
2-Chlorophenol
Concen: 39.288 ng
RT: 7.352 min Scan# 742
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:128 Resp: 799983

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	39.8	19.8	59.8

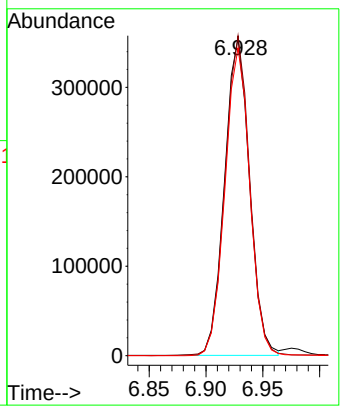




#9
Benzaldehyde
Concen: 35.003 ng
RT: 6.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 77 Resp: 54231

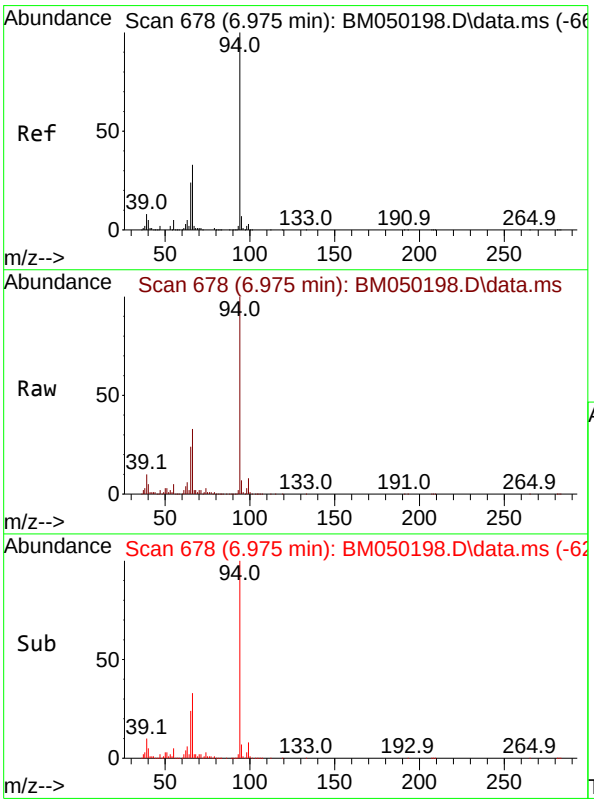
Ion	Ratio	Lower	Upper
77	100		
105	100.9	80.9	120.9
106	97.1	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

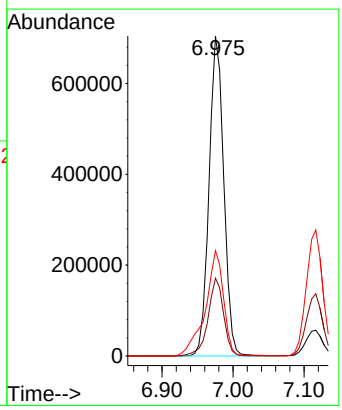
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

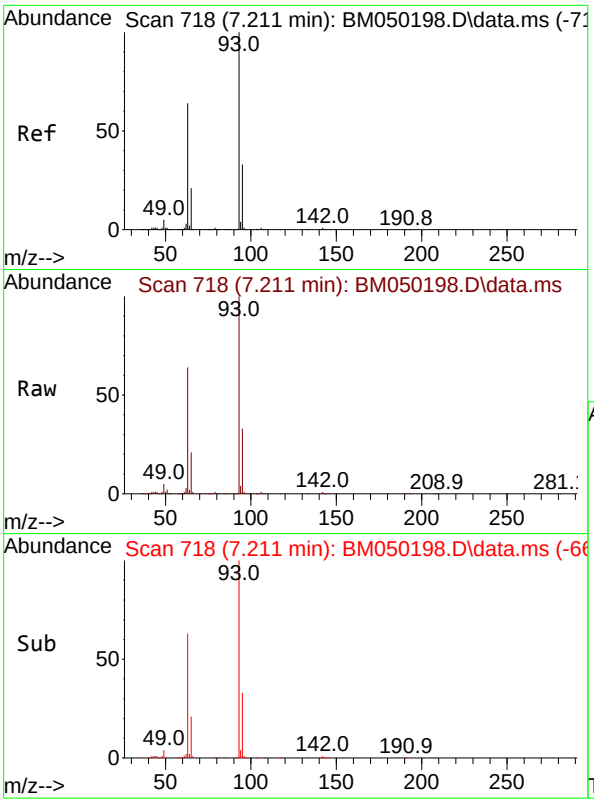


#10
Phenol
Concen: 39.380 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 94 Resp: 1015393

Ion	Ratio	Lower	Upper
94	100		
65	24.3	4.3	44.3
66	32.9	12.9	52.9

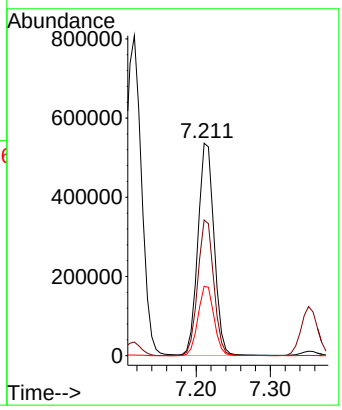




#11
bis(2-Chloroethyl)ether
Concen: 39.155 ng
RT: 7.211 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 93 Resp: 81204

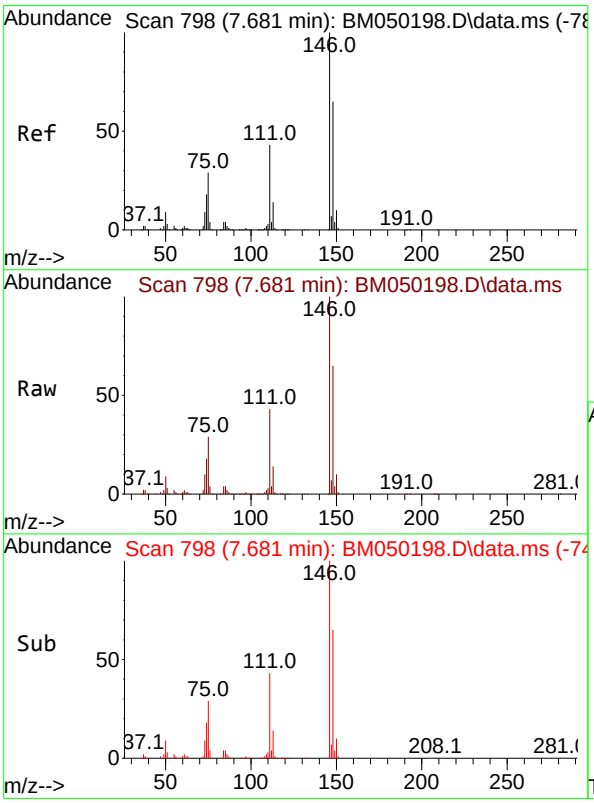
Ion	Ratio	Lower	Upper
93	100		
63	63.9	43.9	83.9
95	32.7	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

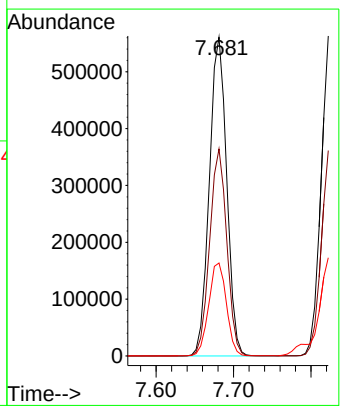
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

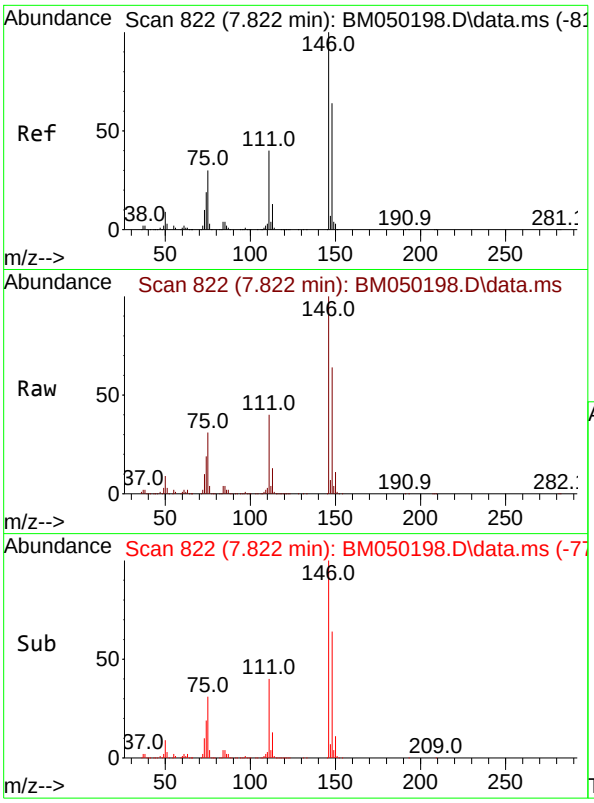


#12
1,3-Dichlorobenzene
Concen: 38.301 ng
RT: 7.681 min Scan# 798
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:146 Resp: 871882

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	29.2	23.4	35.0

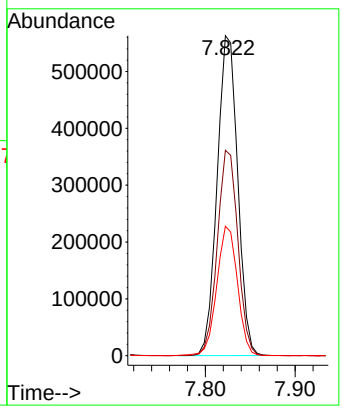




#13
1,4-Dichlorobenzene
Concen: 37.813 ng
RT: 7.822 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:146 Resp: 89558

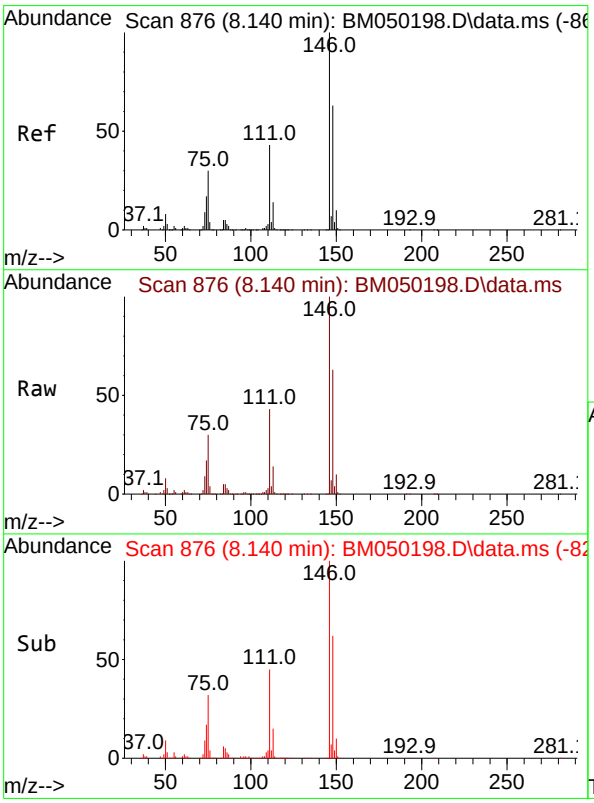
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	40.4	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

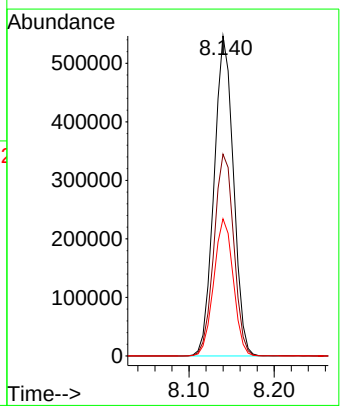
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

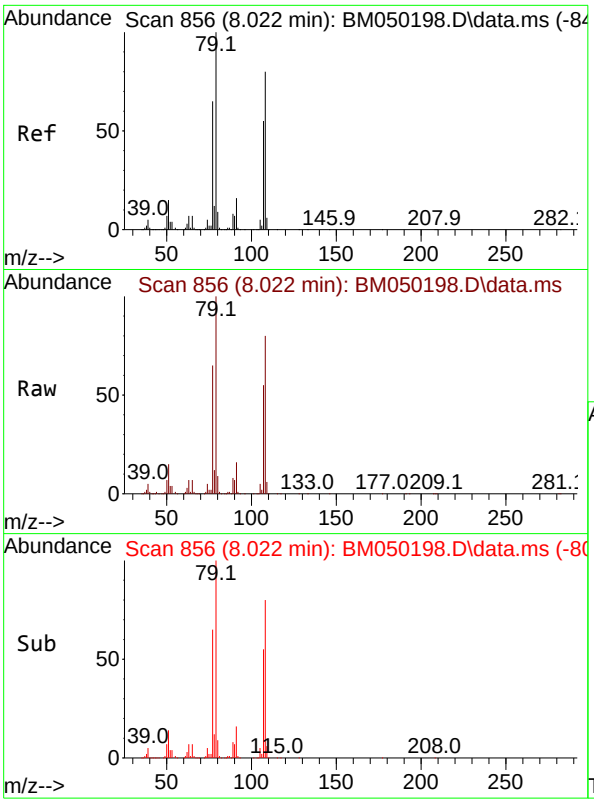


#14
1,2-Dichlorobenzene
Concen: 38.353 ng
RT: 8.140 min Scan# 876
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:146 Resp: 865951

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.4	75.6
111	42.9	34.3	51.5

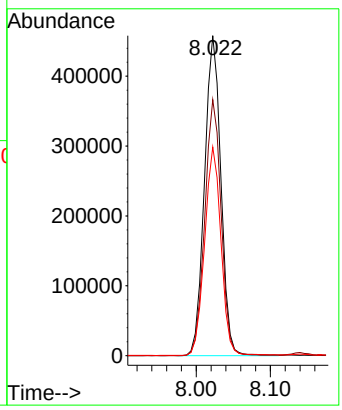




#15
Benzyl Alcohol
Concen: 40.536 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 79 Resp: 70455

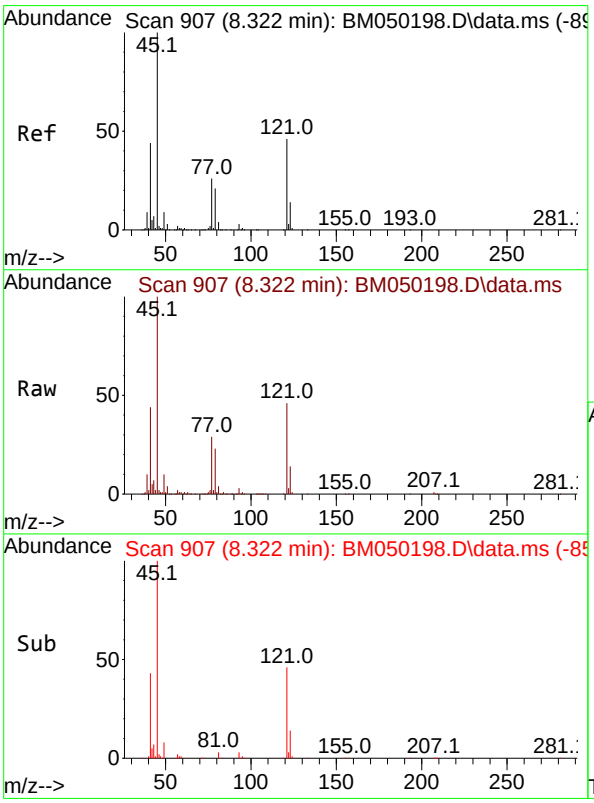
Ion	Ratio	Lower	Upper
79	100		
108	80.0	64.0	96.0
77	65.2	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

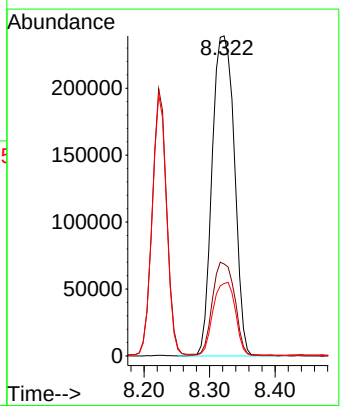
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

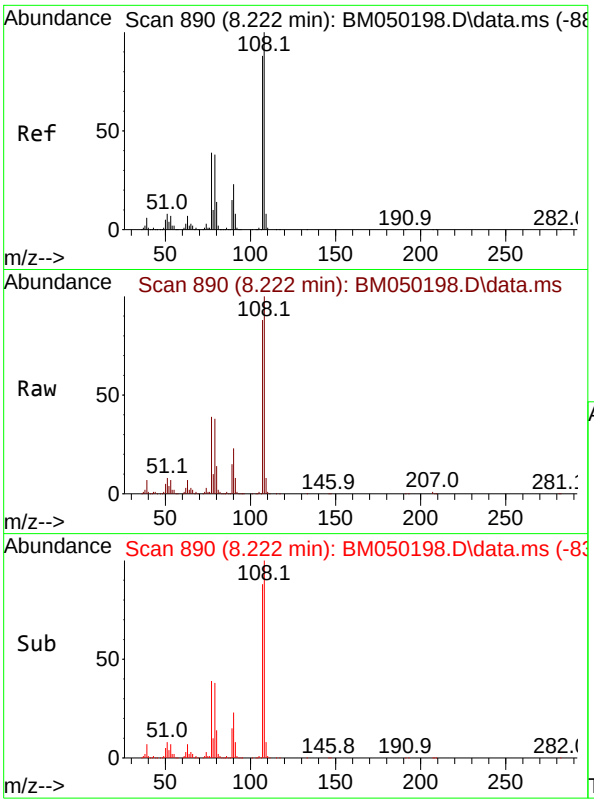


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.982 ng
RT: 8.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 45 Resp: 561618

Ion	Ratio	Lower	Upper
45	100		
77	28.7	8.7	48.7
79	22.7	2.7	42.7

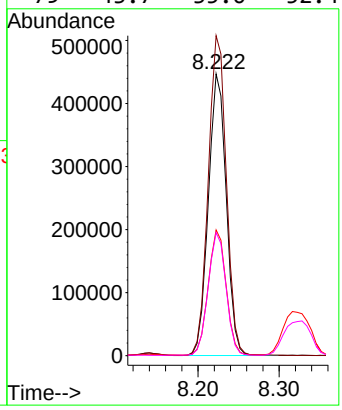




#17
2-Methylphenol
Concen: 40.220 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:107 Resp: 68426

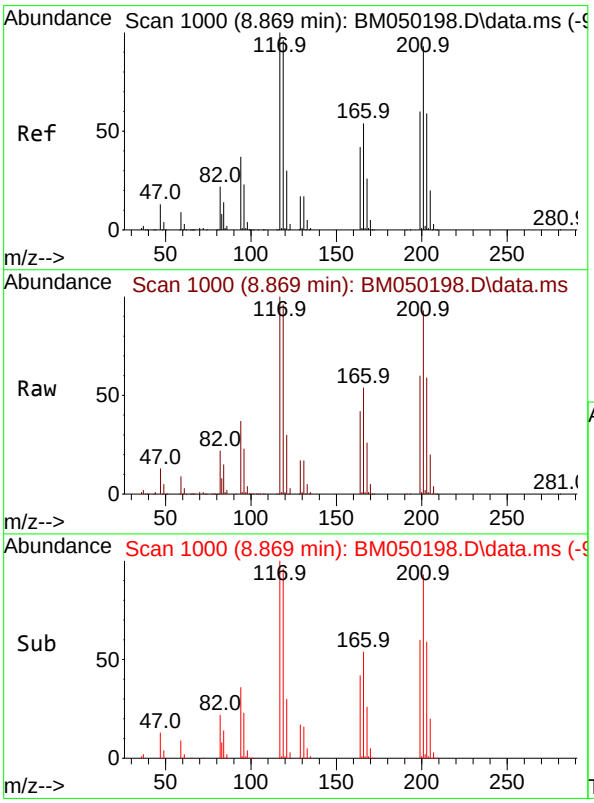
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	44.6	35.7	53.5
79	43.7	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

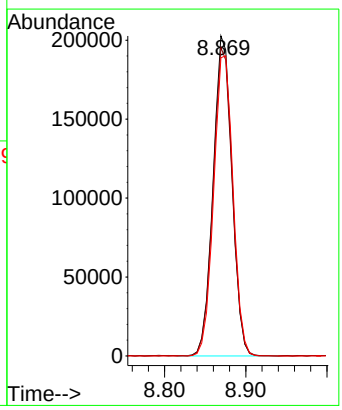
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

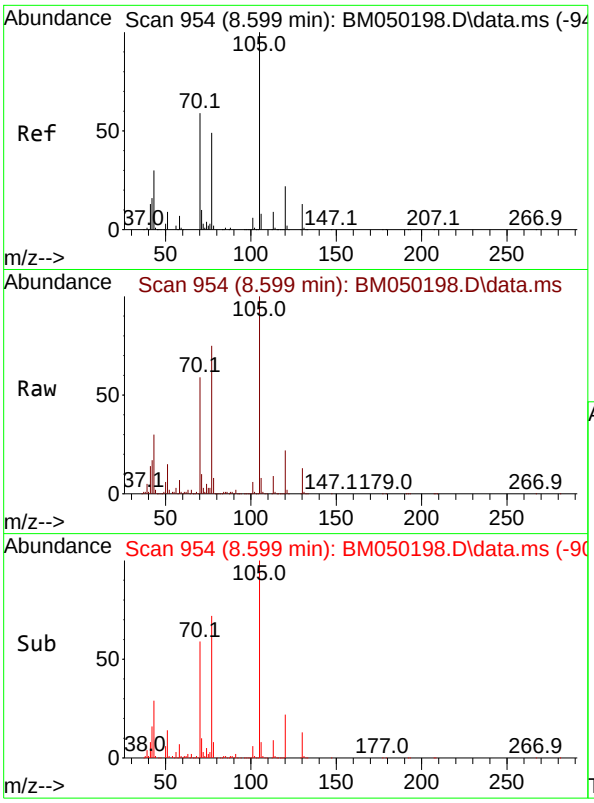


#18
Hexachloroethane
Concen: 38.374 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:117 Resp: 329145

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
201	93.2	74.6	111.8

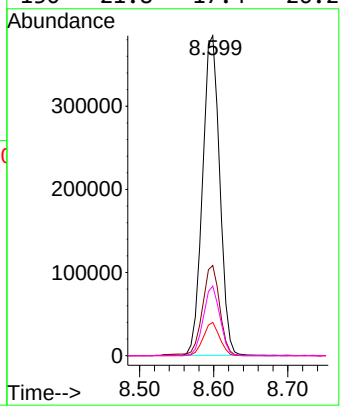




#19
n-Nitroso-di-n-propylamine
Concen: 41.468 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 70 Resp: 61839

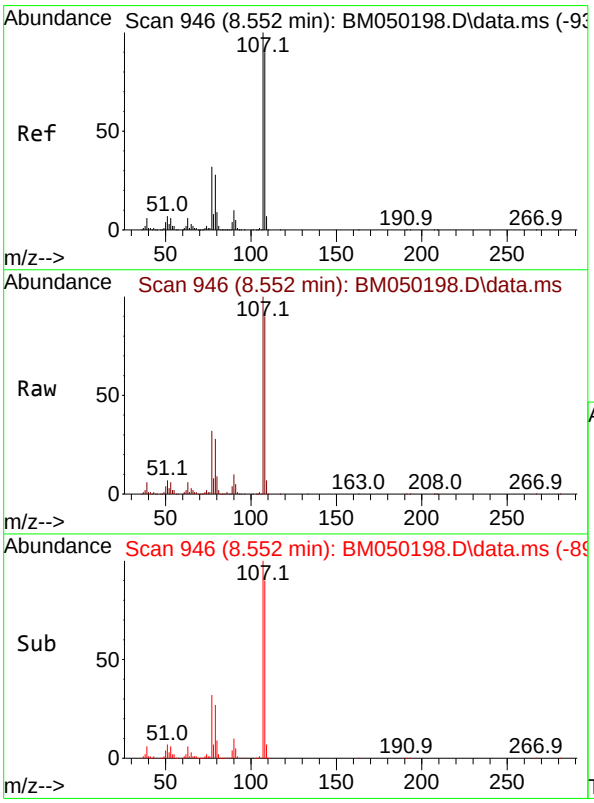
Ion	Ratio	Lower	Upper
70	100		
42	28.2	22.6	33.8
101	10.4	8.3	12.5
130	21.8	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

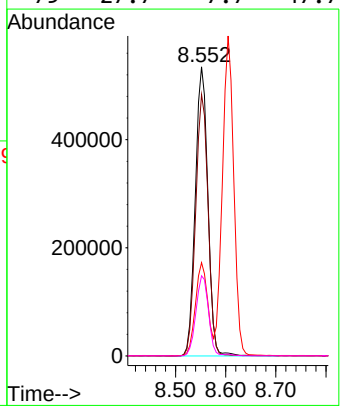
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

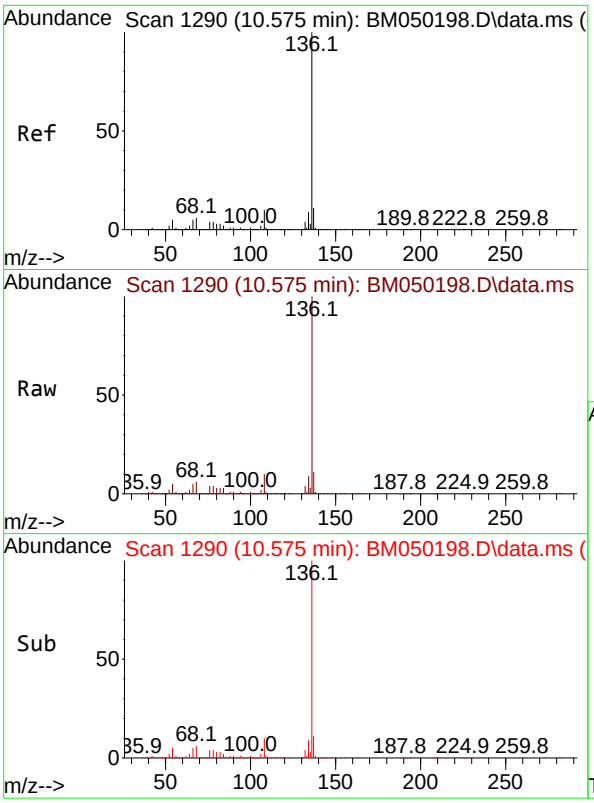


#20
3+4-Methylphenols
Concen: 40.948 ng
RT: 8.552 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:107 Resp: 932041

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.4	110.4
77	32.2	12.2	52.2
79	27.7	7.7	47.7

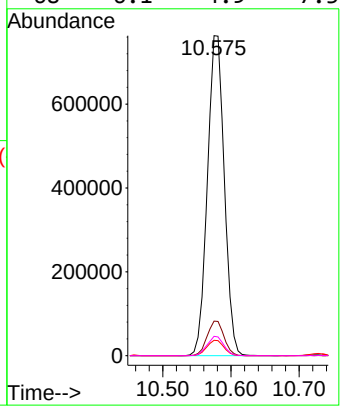




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:136 Resp: 131634

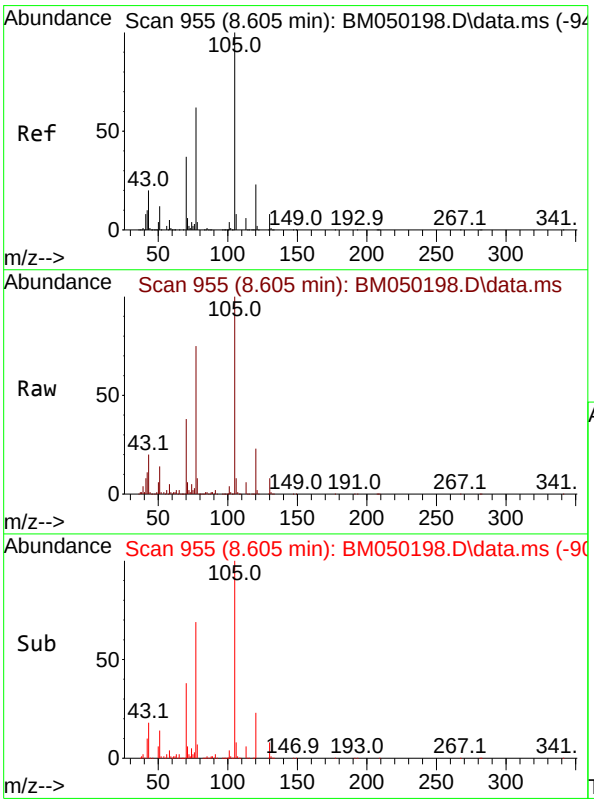
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	4.8	3.8	5.8
68	6.1	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

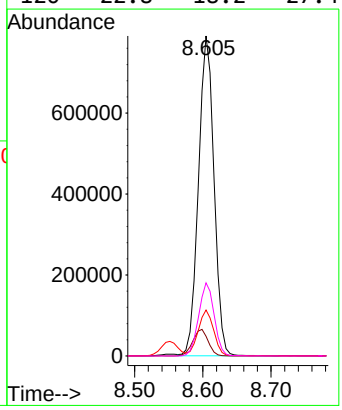
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

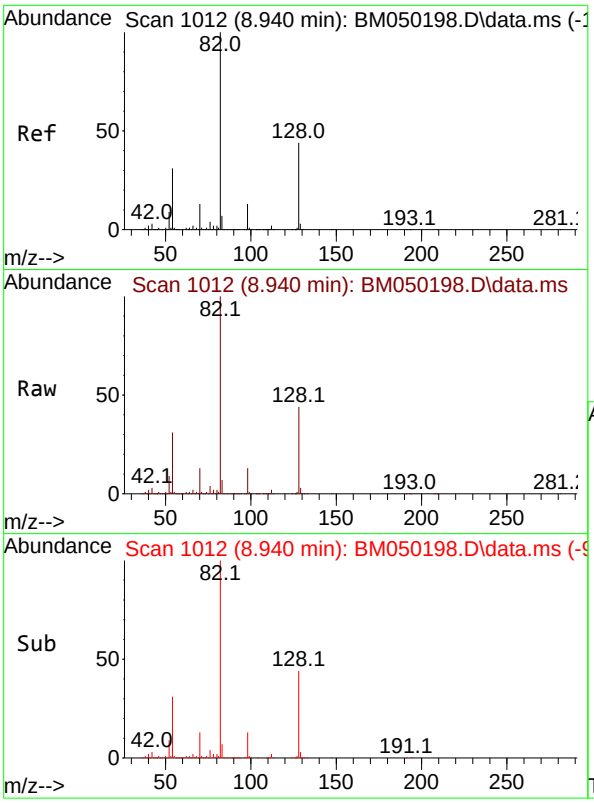


#22
Acetophenone
Concen: 38.094 ng
RT: 8.605 min Scan# 955
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:105 Resp: 1252780

Ion	Ratio	Lower	Upper
105	100		
71	6.2	5.0	7.4
51	14.3	11.4	17.2
120	22.8	18.2	27.4

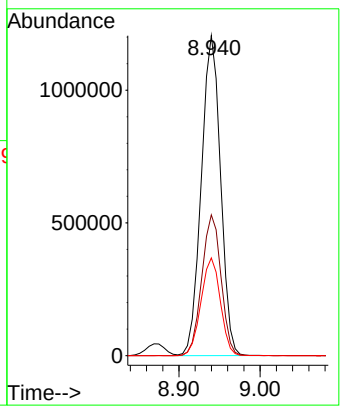




#23
Nitrobenzene-d5
Concen: 78.422 ng
RT: 8.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 82 Resp: 198490

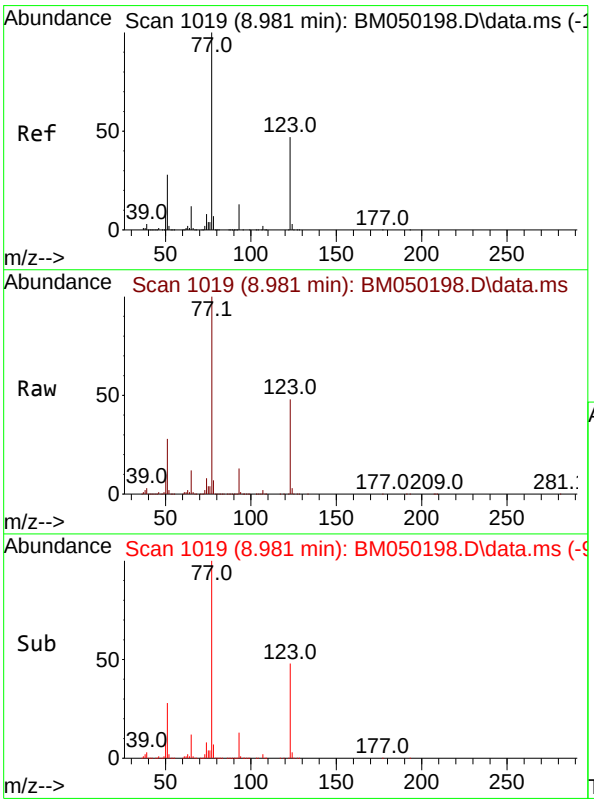
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.2	52.8
54	30.6	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

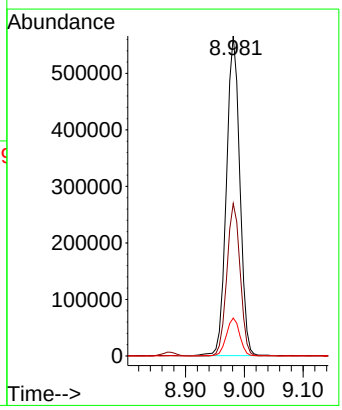
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

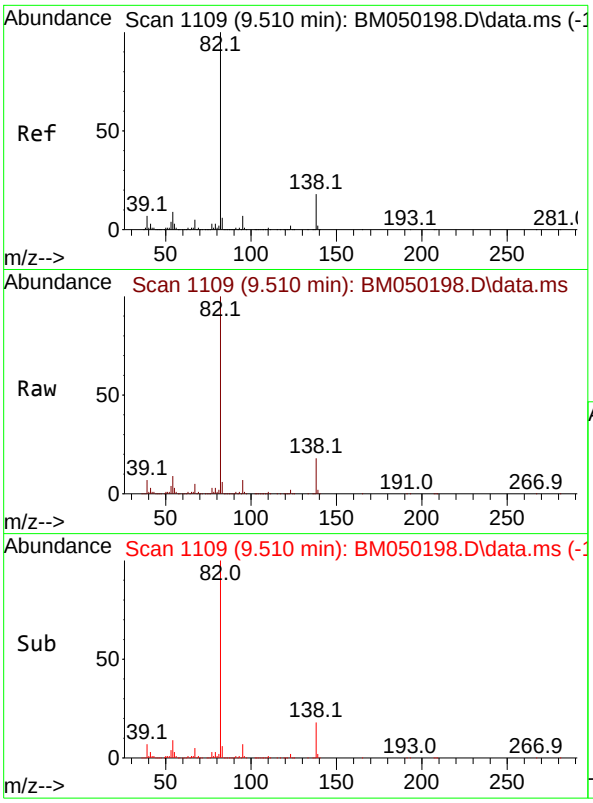


#24
Nitrobenzene
Concen: 38.820 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 77 Resp: 893607

Ion	Ratio	Lower	Upper
77	100		
123	47.7	38.2	57.2
65	11.9	9.5	14.3

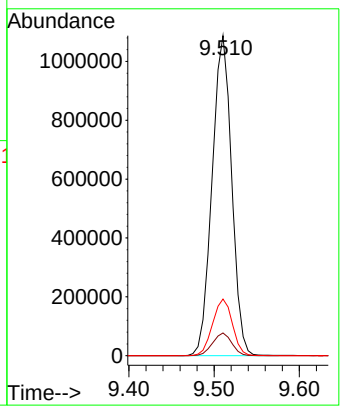




#25
Isophorone
Concen: 39.724 ng
RT: 9.510 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 82 Resp: 173537

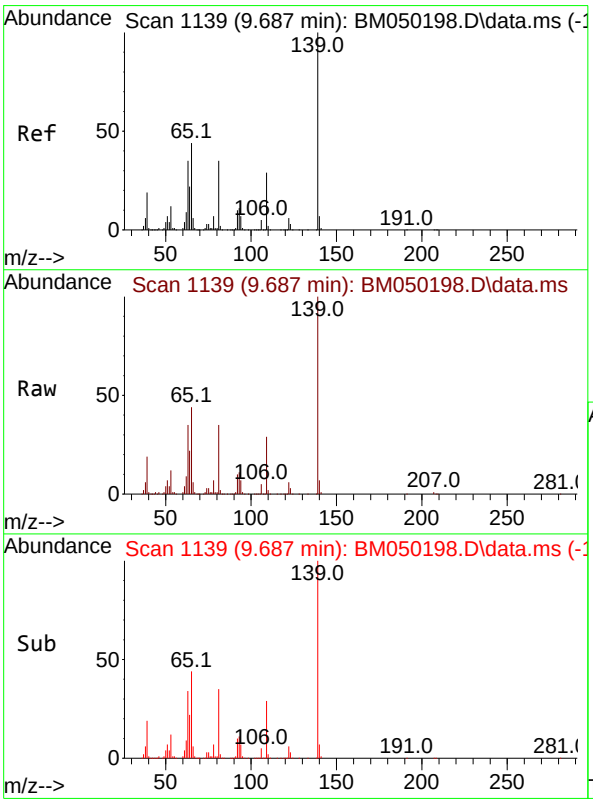
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	17.7	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

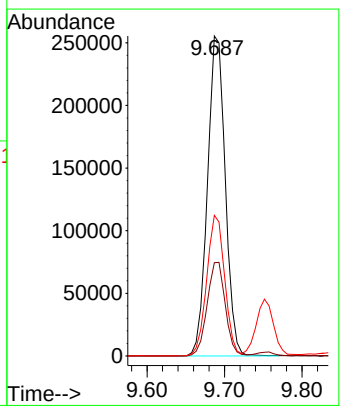
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

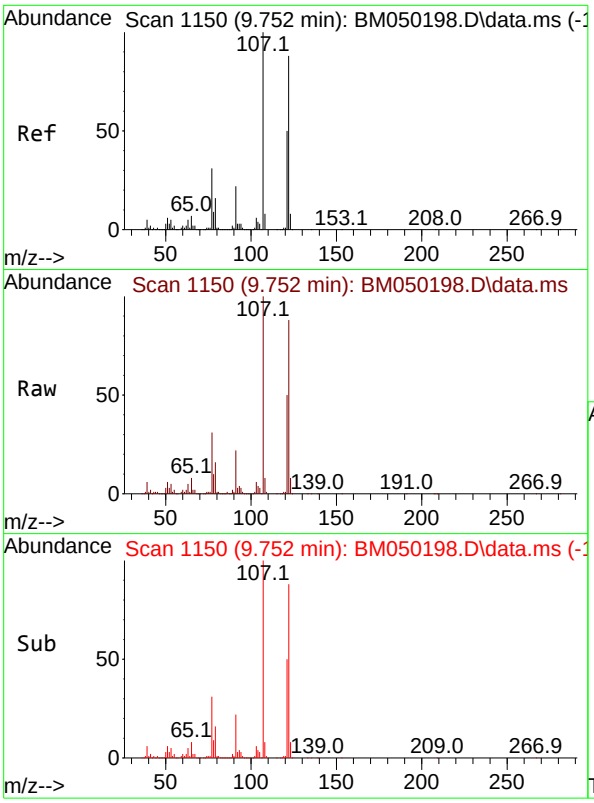


#26
2-Nitrophenol
Concen: 41.055 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:139 Resp: 407943

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.3	34.9
65	44.0	35.2	52.8

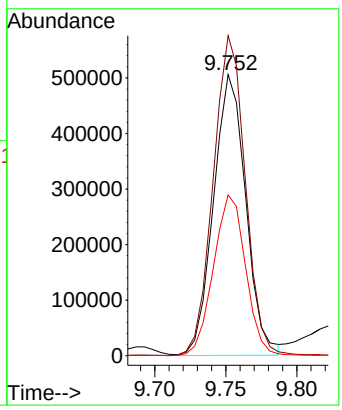




#27
2,4-Dimethylphenol
Concen: 39.057 ng
RT: 9.752 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:122 Resp: 79814

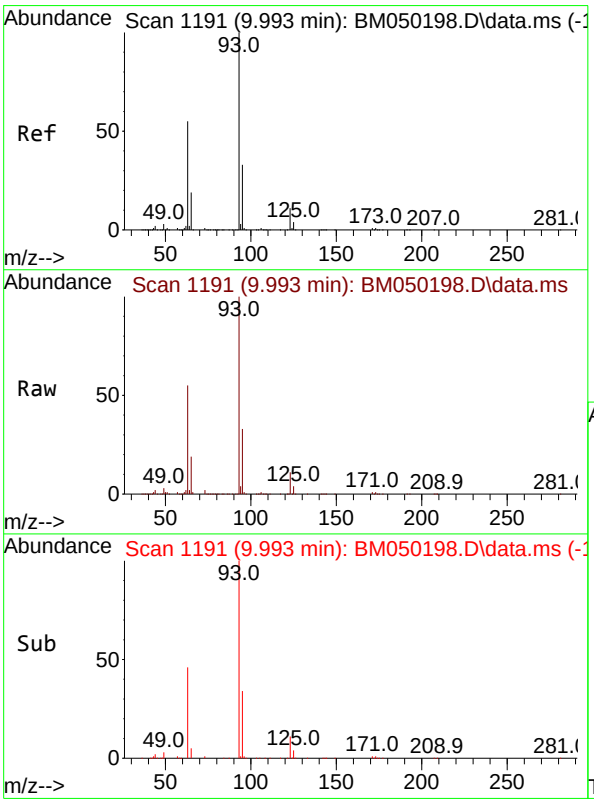
Ion	Ratio	Lower	Upper
122	100		
107	113.8	91.0	136.6
121	57.2	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

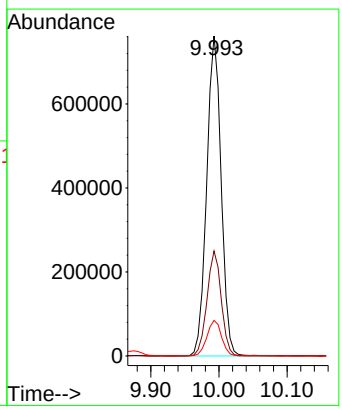
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

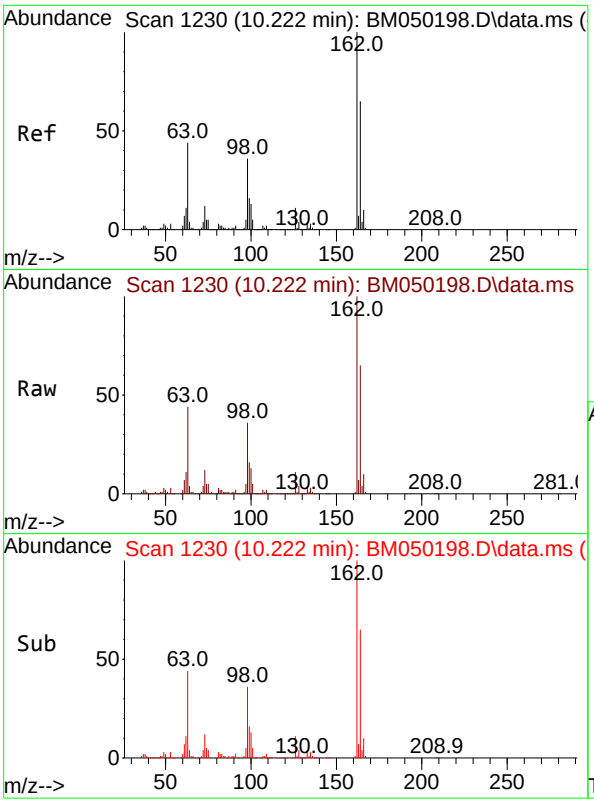


#28
bis(2-Chloroethoxy)methane
Concen: 39.371 ng
RT: 9.993 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 93 Resp: 1123606

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.1	8.9	13.3

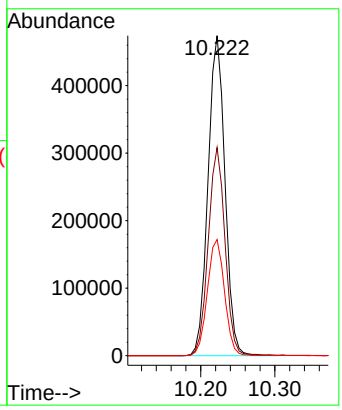




#29
2,4-Dichlorophenol
Concen: 39.853 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:162 Resp: 75294

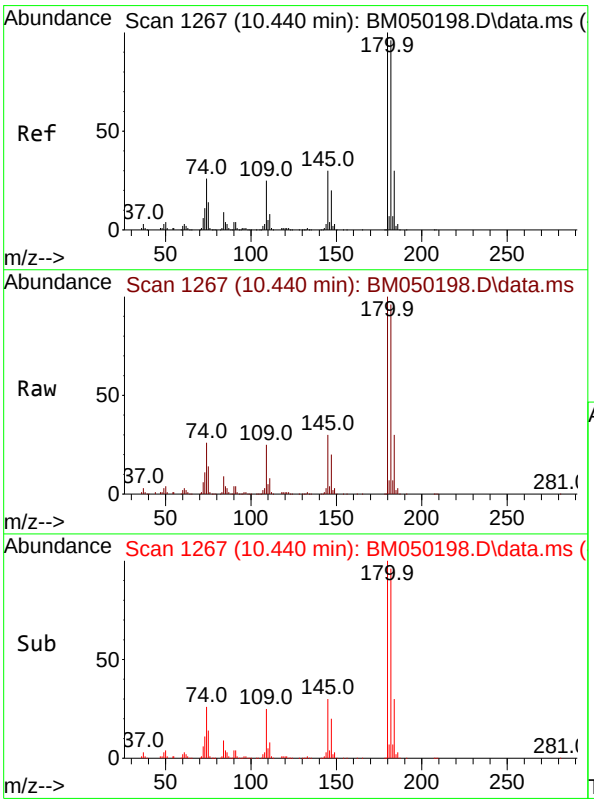
Ion	Ratio	Lower	Upper
162	100		
164	65.0	45.0	85.0
98	36.3	16.3	56.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

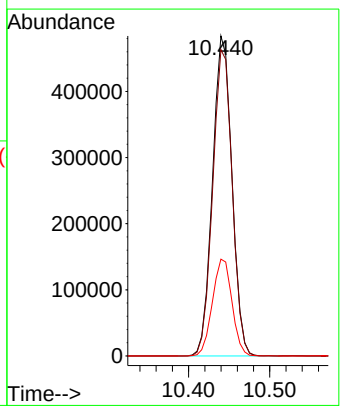
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

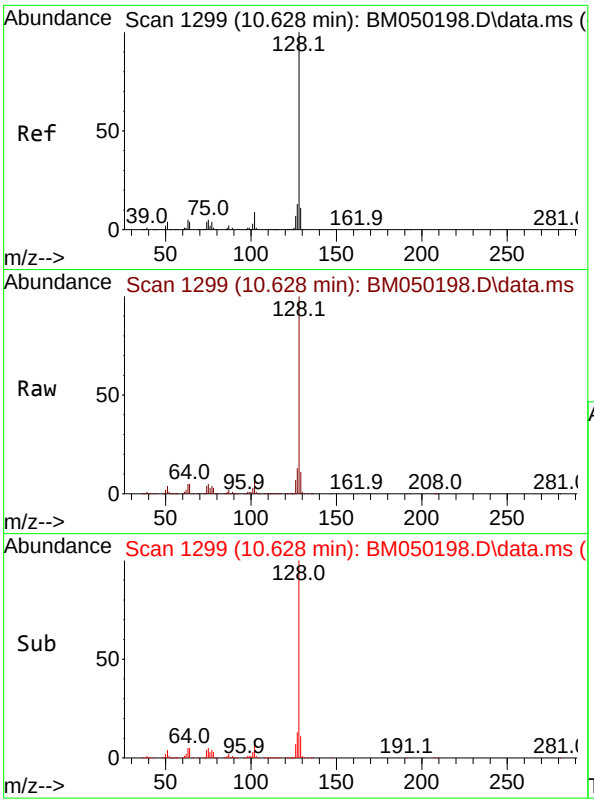


#30
1,2,4-Trichlorobenzene
Concen: 38.227 ng
RT: 10.440 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:180 Resp: 803693

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	30.3	24.2	36.4

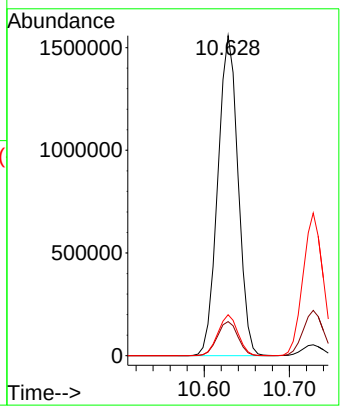




#31
Naphthalene
Concen: 37.788 ng
RT: 10.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:128 Resp: 257180

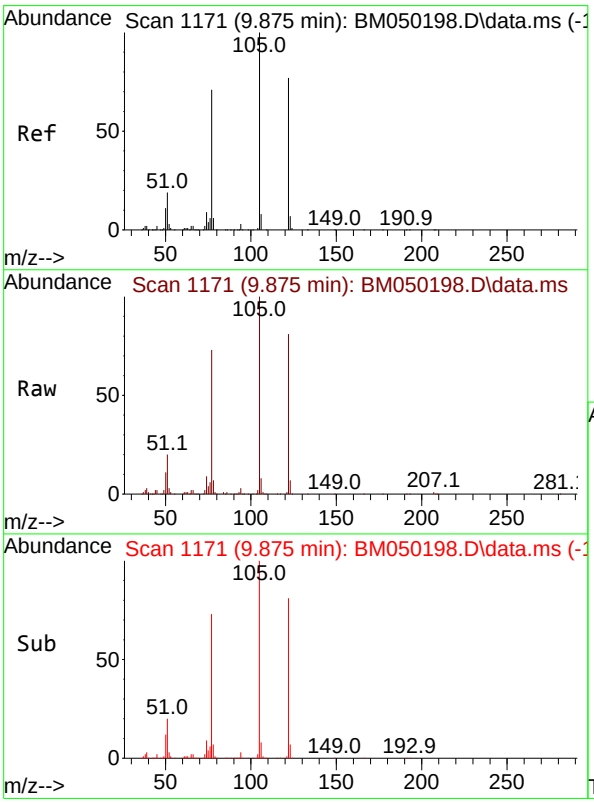
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

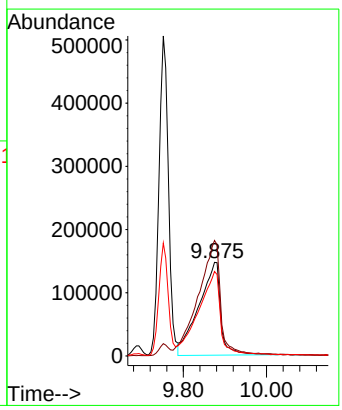
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

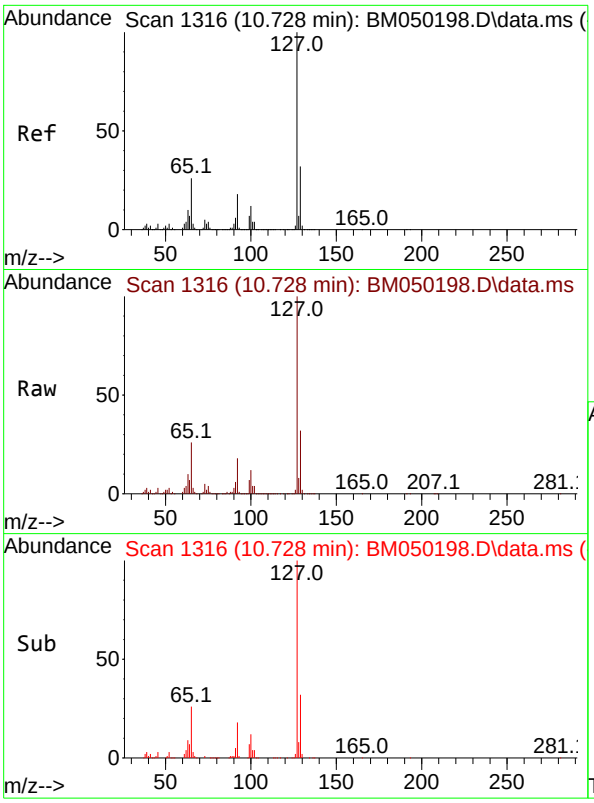


#32
Benzoic acid
Concen: 41.942 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:122 Resp: 538152

Ion	Ratio	Lower	Upper
122	100		
105	123.4	103.4	143.4
77	90.3	70.3	110.3

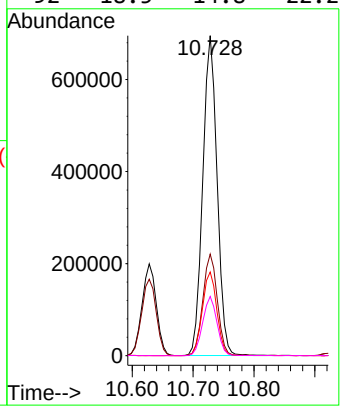




#33
4-Chloroaniline
Concen: 39.273 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:127 Resp: 113954

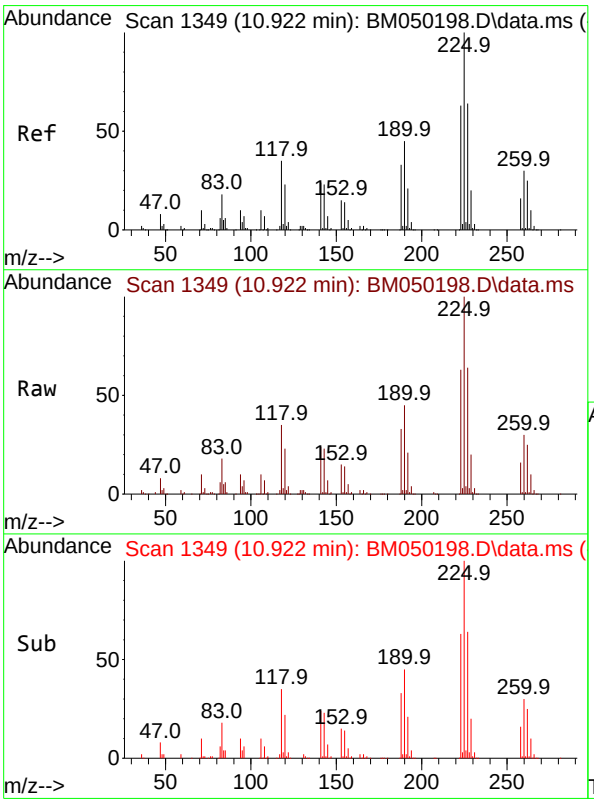
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.0
65	26.2	21.0	31.4
92	18.5	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

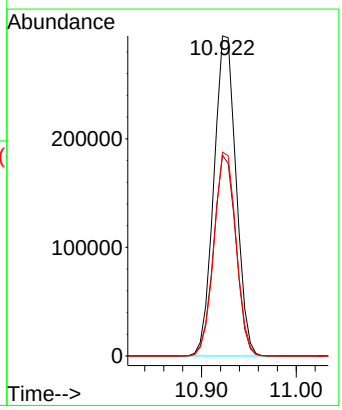
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

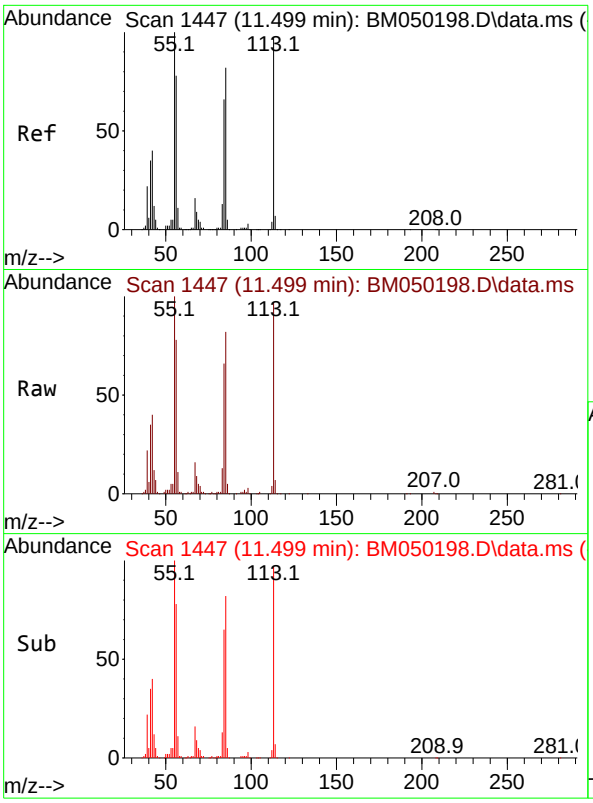


#34
Hexachlorobutadiene
Concen: 38.406 ng
RT: 10.922 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:225 Resp: 480290

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.7	51.0	76.4





#35
Caprolactam
Concen: 42.805 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

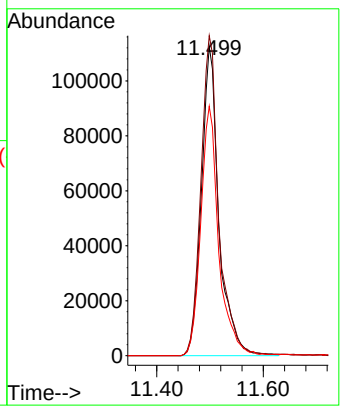
Tgt Ion:113 Resp: 25639

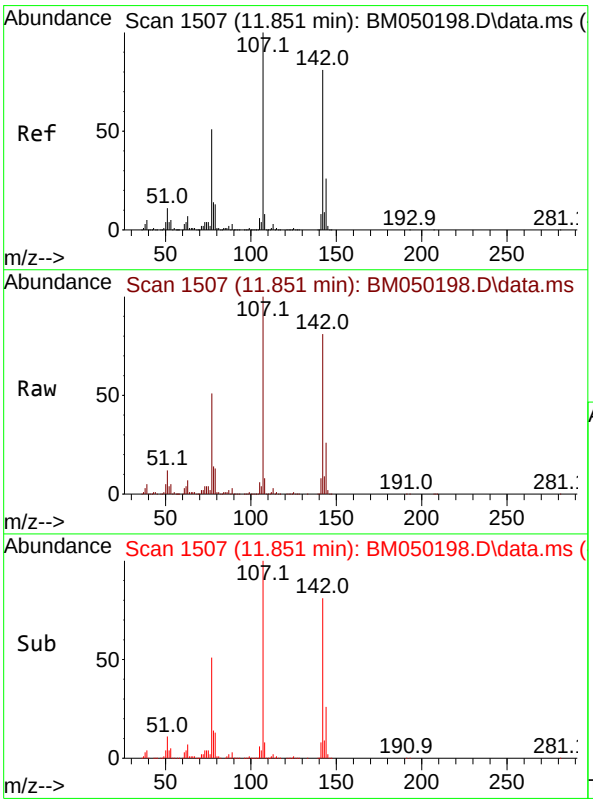
Ion	Ratio	Lower	Upper
113	100		
55	103.5	83.5	123.5
56	80.6	60.6	100.6

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

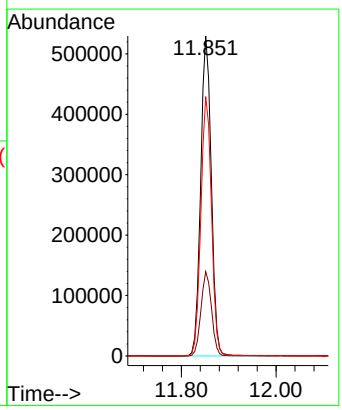


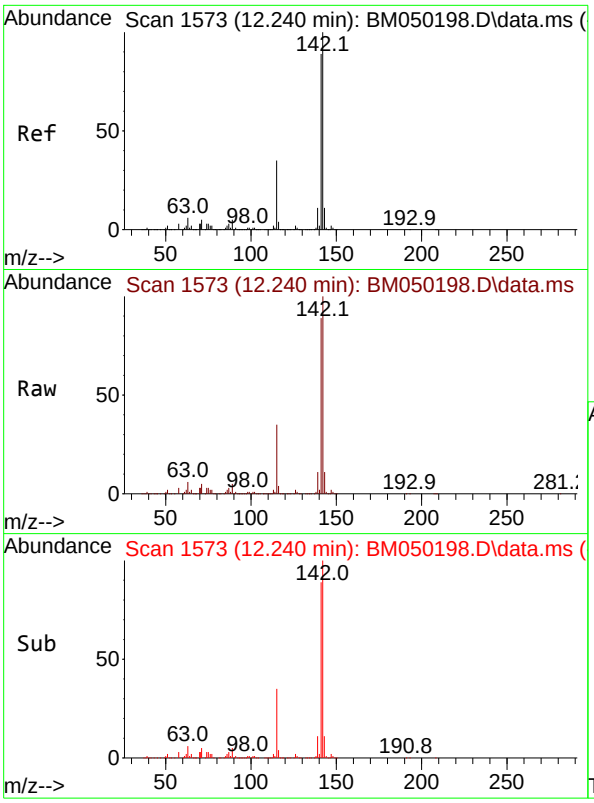


#36
4-Chloro-3-methylphenol
Concen: 40.906 ng
RT: 11.851 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:107 Resp: 824664

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.0	31.6
142	81.0	64.8	97.2

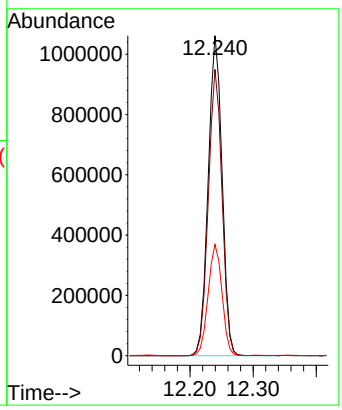




#37
2-Methylnaphthalene
Concen: 39.456 ng
RT: 12.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:142 Resp: 161999

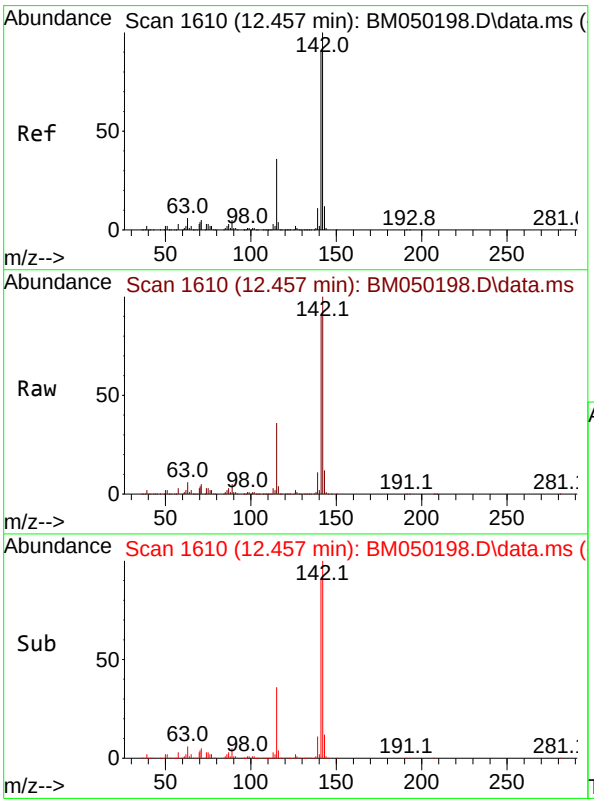
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.5	107.3
115	34.8	27.8	41.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

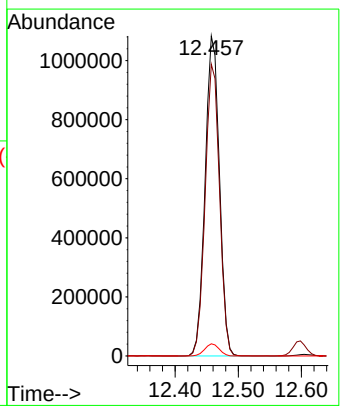
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

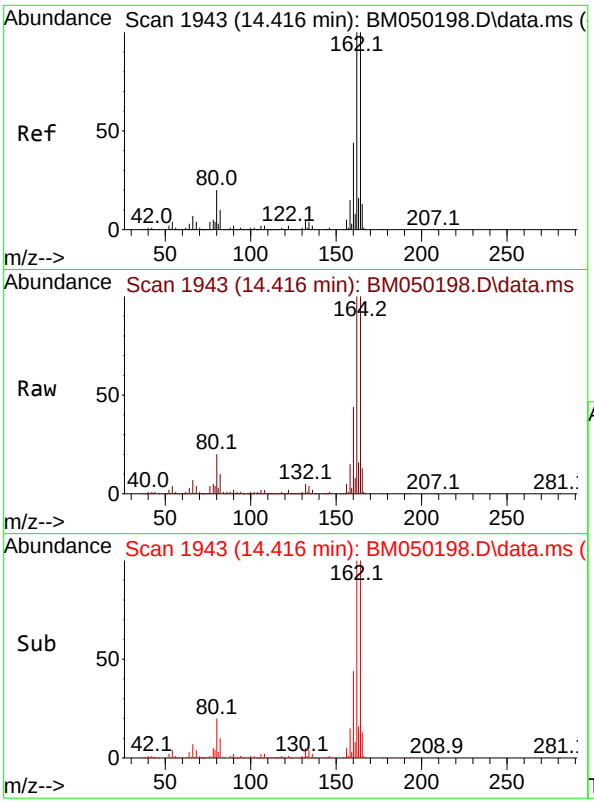


#38
1-Methylnaphthalene
Concen: 39.210 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:142 Resp: 1708673

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.9	109.3
116	3.8	3.0	4.6

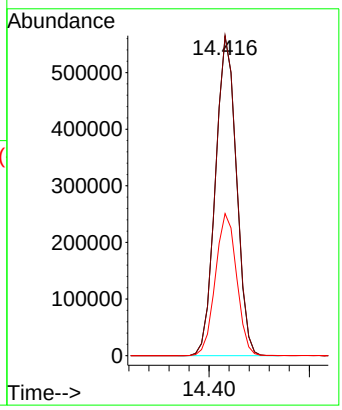




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:164 Resp: 81903

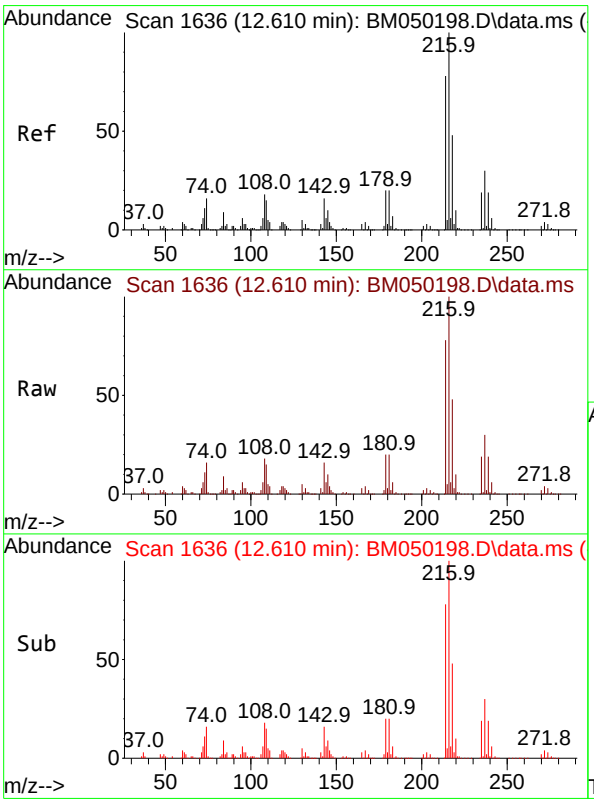
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.4
160	44.6	35.7	53.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

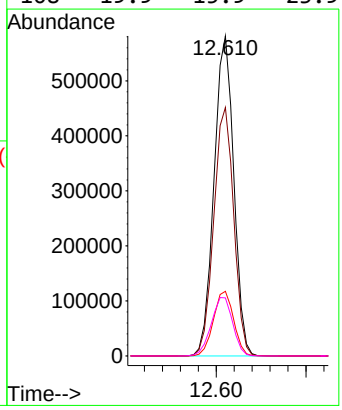
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

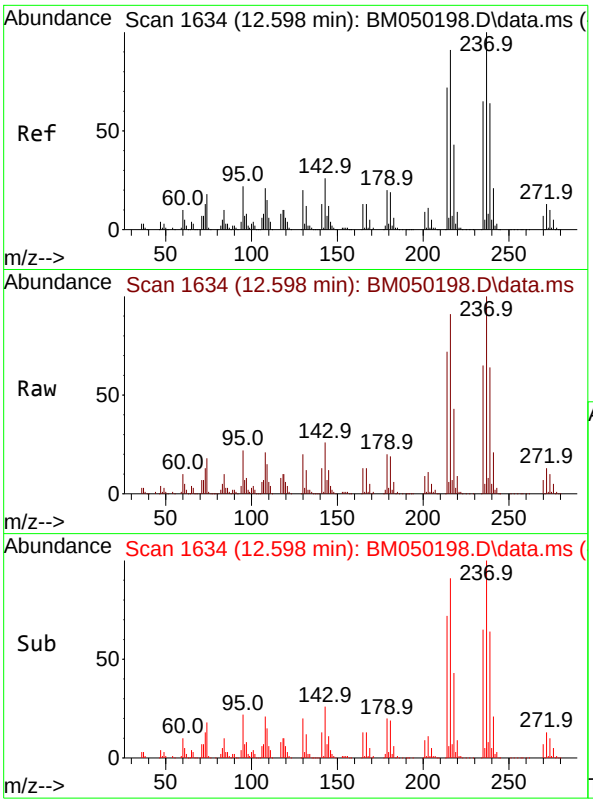


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.472 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:216 Resp: 886232

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	20.8	16.6	25.0
108	19.9	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 38.910 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

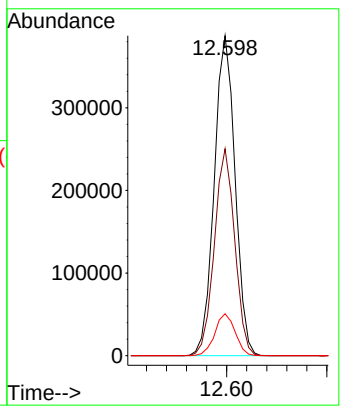
Tgt Ion:237 Resp: 55887

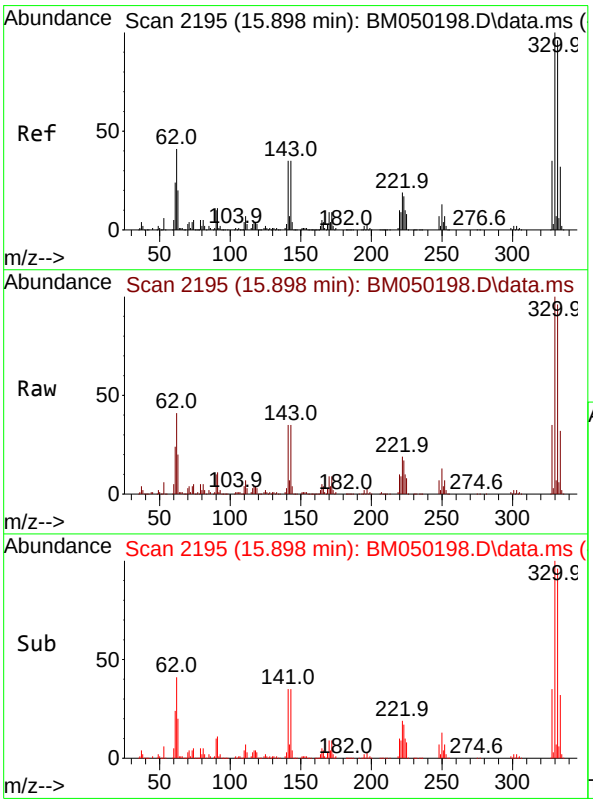
Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.6	84.6
272	13.1	0.0	33.1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

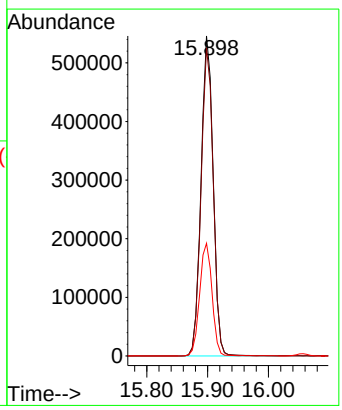


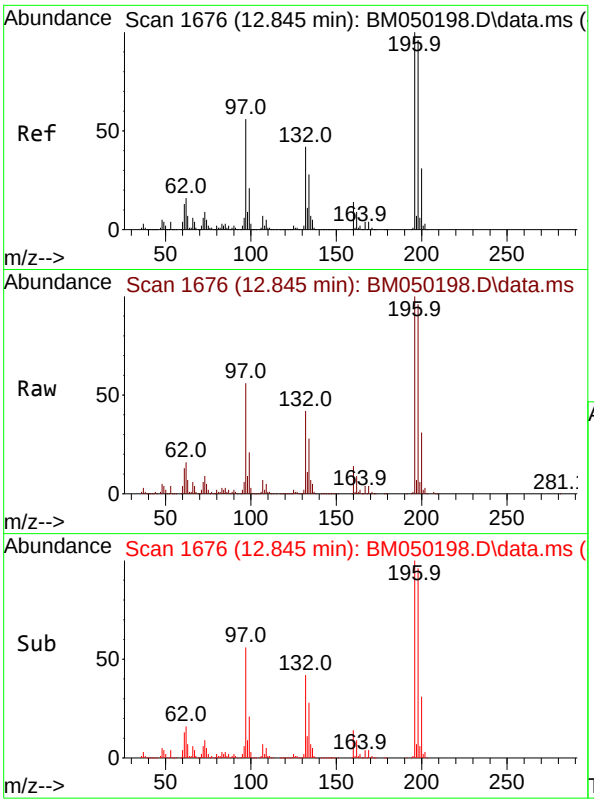


#42
2,4,6-Tribromophenol
Concen: 81.216 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:330 Resp: 756605

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.5	116.3
141	36.0	28.8	43.2

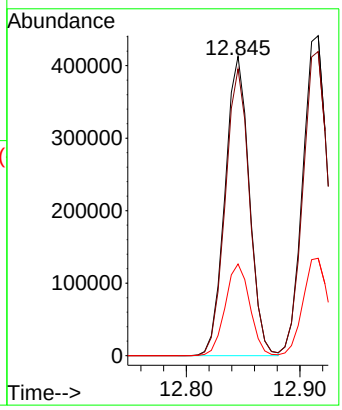




#43
2,4,6-Trichlorophenol
Concen: 39.450 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:196 Resp: 61357

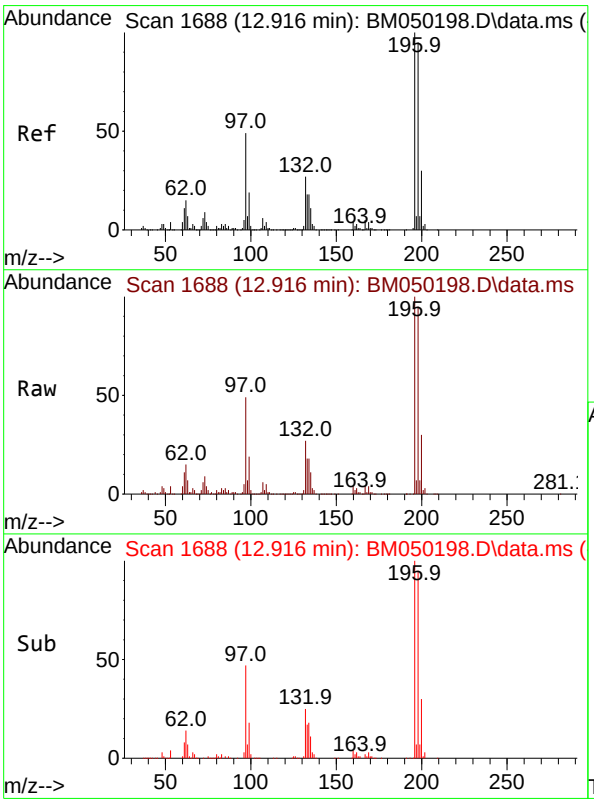
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	30.6	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

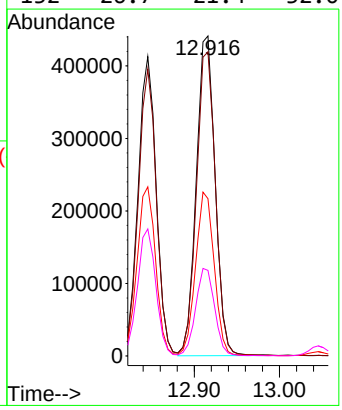
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

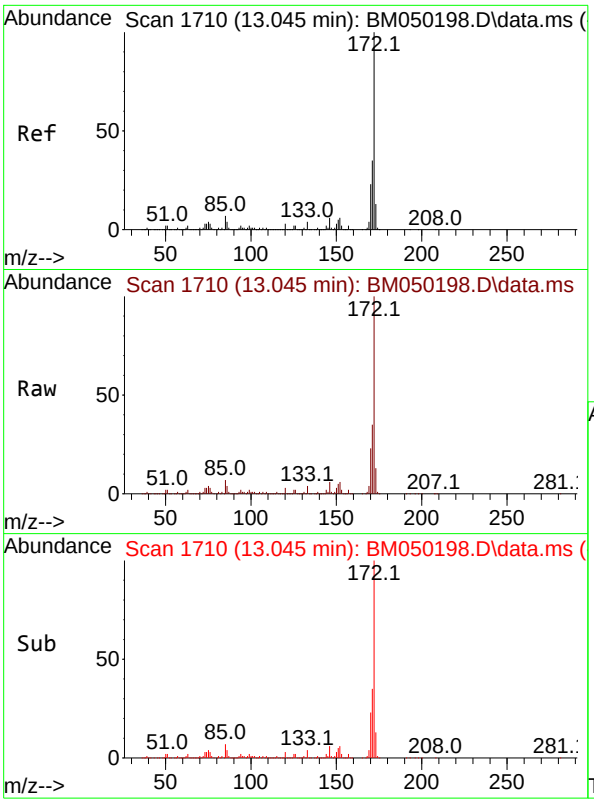


#44
2,4,5-Trichlorophenol
Concen: 39.736 ng
RT: 12.916 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:196 Resp: 678534

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	49.1	39.3	58.9
132	26.7	21.4	32.0

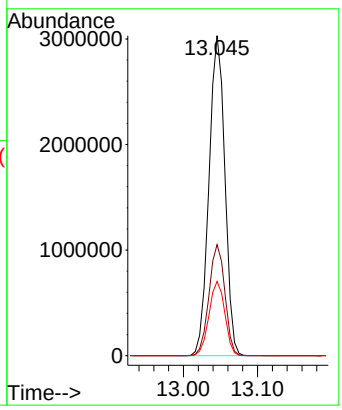




#45
2-Fluorobiphenyl
Concen: 74.564 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:172 Resp: 451086

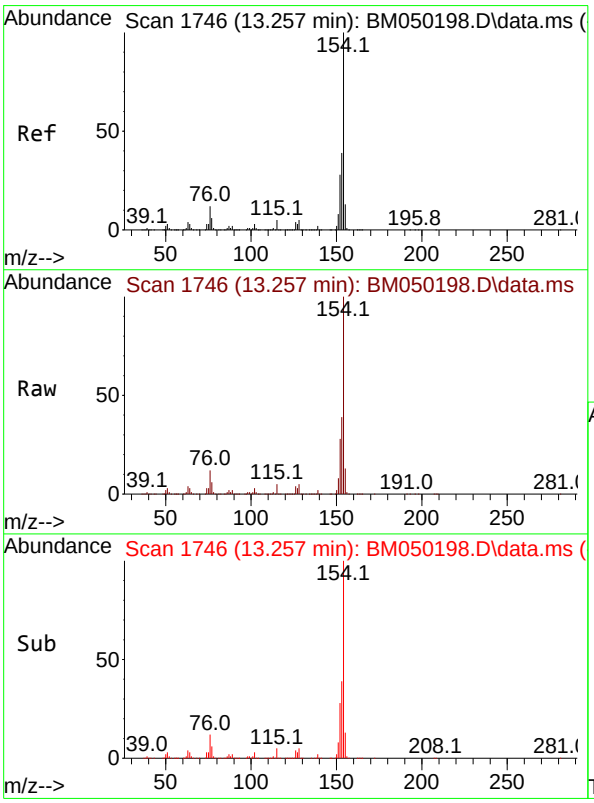
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.2	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

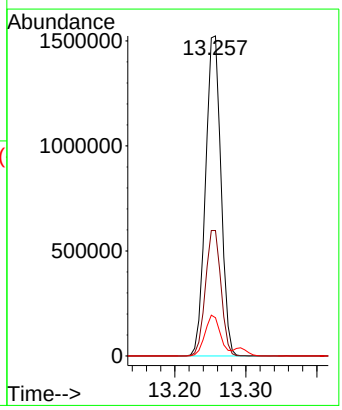
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

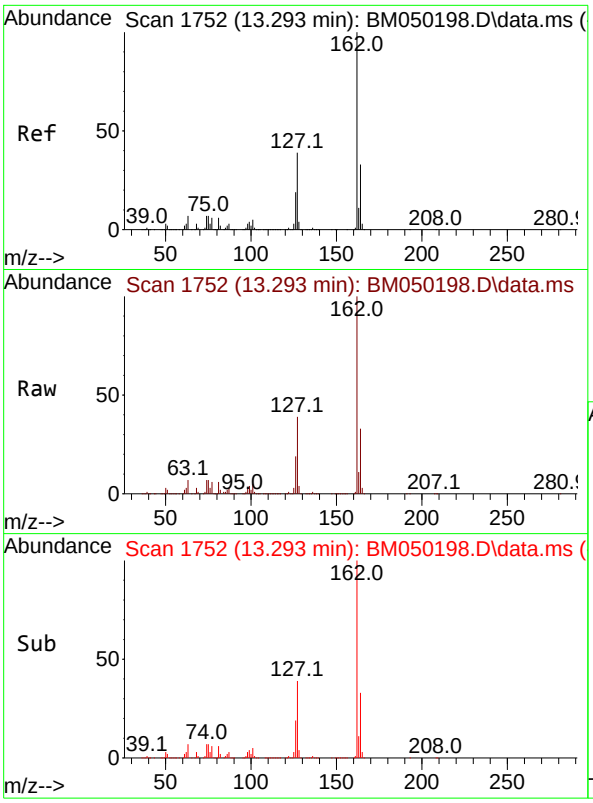


#46
1,1'-Biphenyl
Concen: 37.491 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:154 Resp: 2299241

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.2	59.2
76	12.0	0.0	32.0

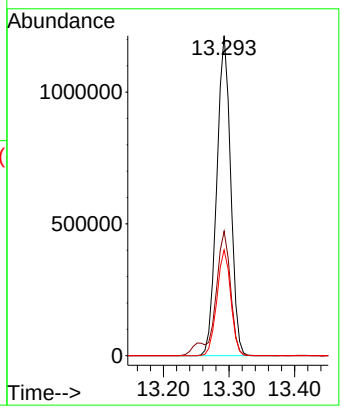




#47
2-Chloronaphthalene
Concen: 37.239 ng
RT: 13.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:162 Resp: 177551

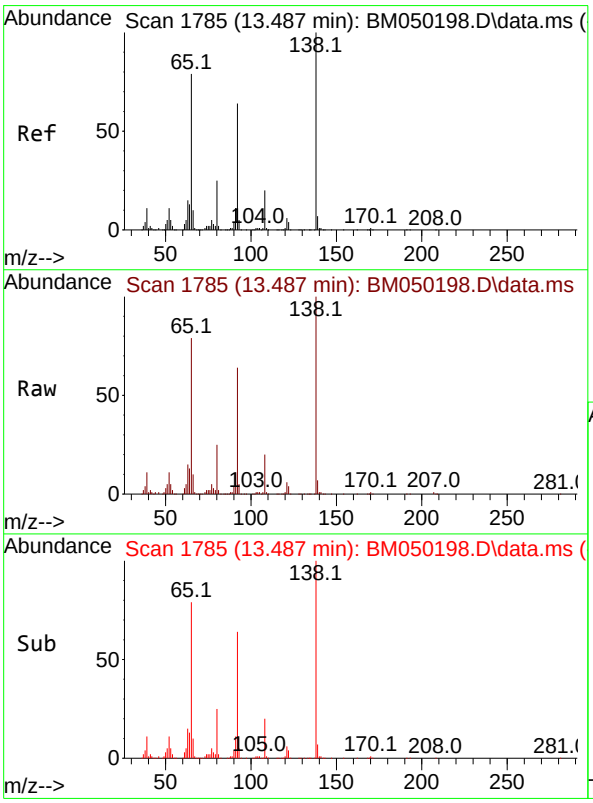
Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.1	46.7
164	33.1	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

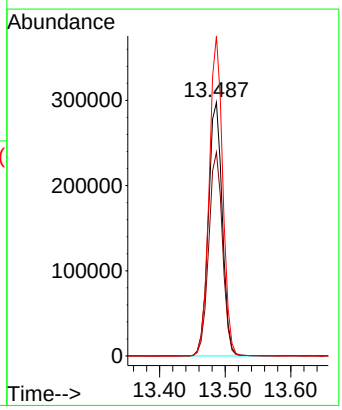
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

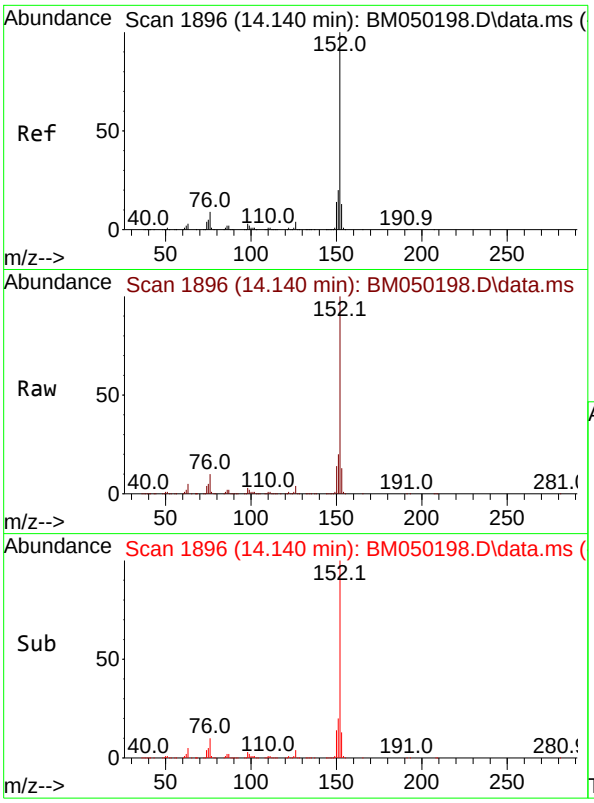


#48
2-Nitroaniline
Concen: 41.860 ng
RT: 13.487 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 65 Resp: 439212

Ion	Ratio	Lower	Upper
65	100		
92	80.3	64.2	96.4
138	126.2	101.0	151.4





#49
Acenaphthylene
Concen: 38.640 ng
RT: 14.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

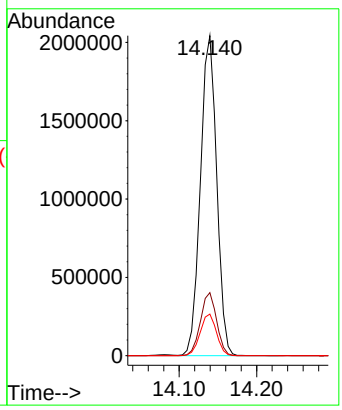
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

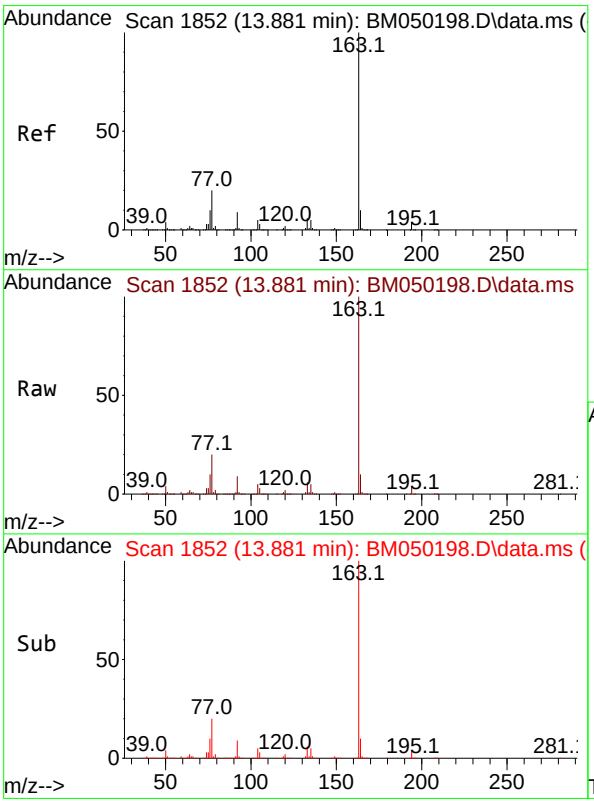
Tgt Ion:152 Resp: 297984

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

Manual Integrations
APPROVED

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

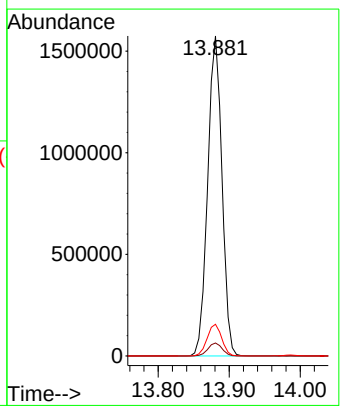


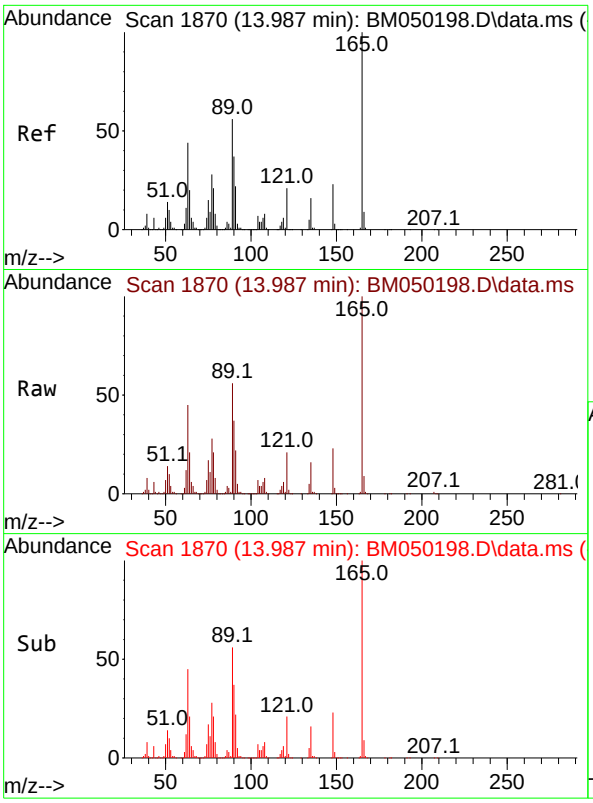


#50
Dimethylphthalate
Concen: 39.718 ng
RT: 13.881 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:163 Resp: 2200039

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 42.359 ng
RT: 13.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

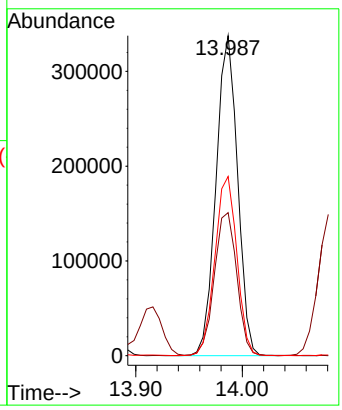
Tgt Ion:165 Resp: 47317

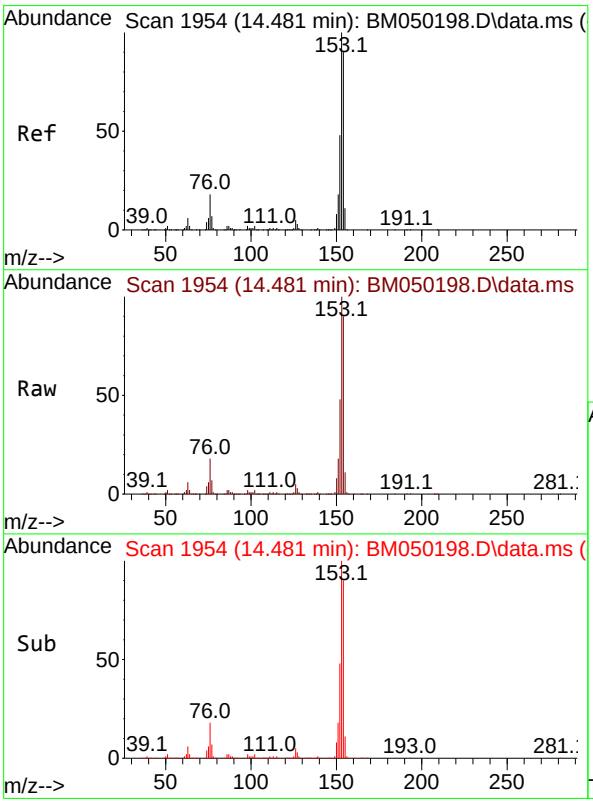
Ion	Ratio	Lower	Upper
165	100		
63	44.7	35.8	53.6
89	56.0	44.8	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

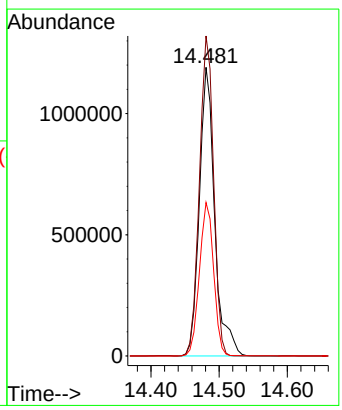


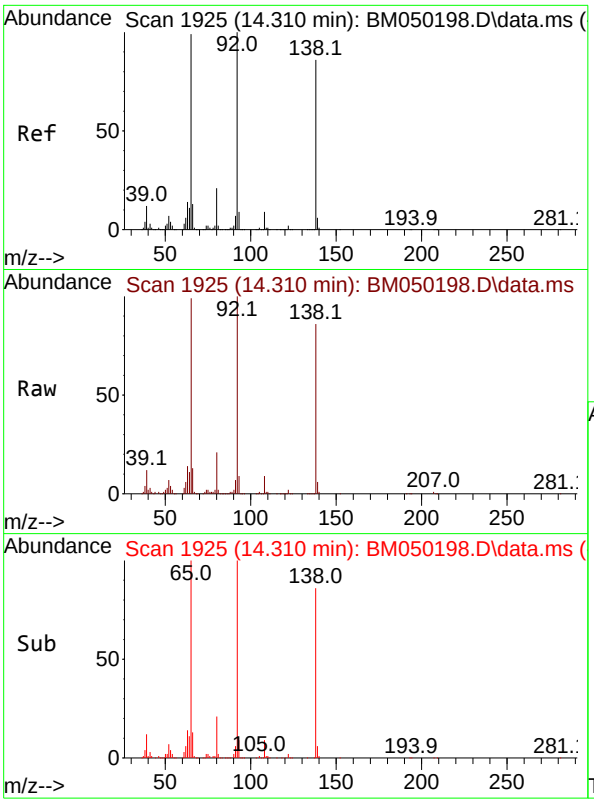


#52
Acenaphthene
Concen: 38.456 ng
RT: 14.481 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:154 Resp: 1854951

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.7	133.1
152	53.2	42.6	63.8

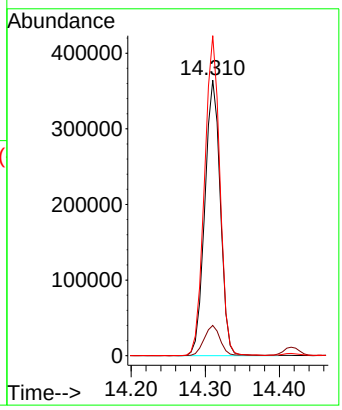




#53
3-Nitroaniline
Concen: 42.518 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:138 Resp: 52933

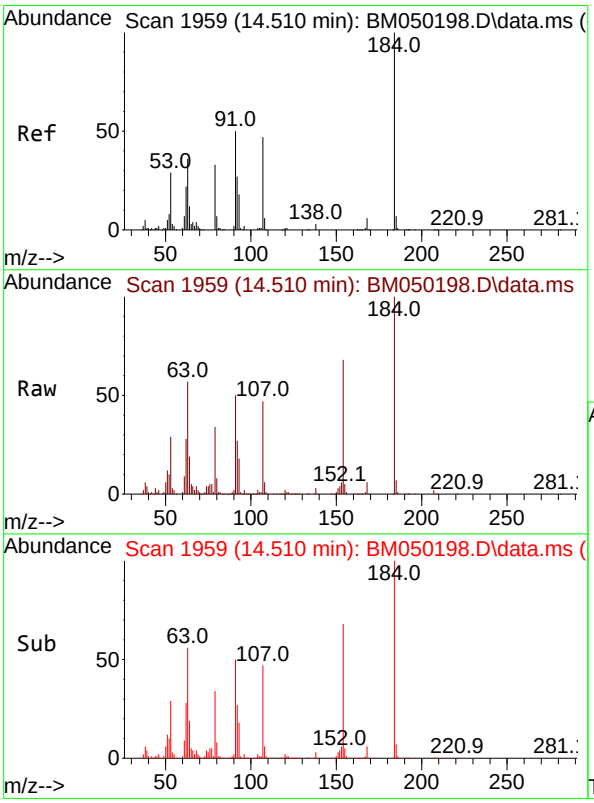
Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.8	13.2
92	116.1	92.9	139.3



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

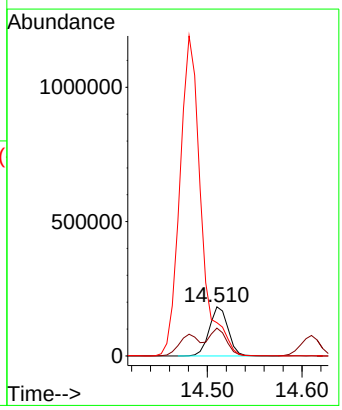
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

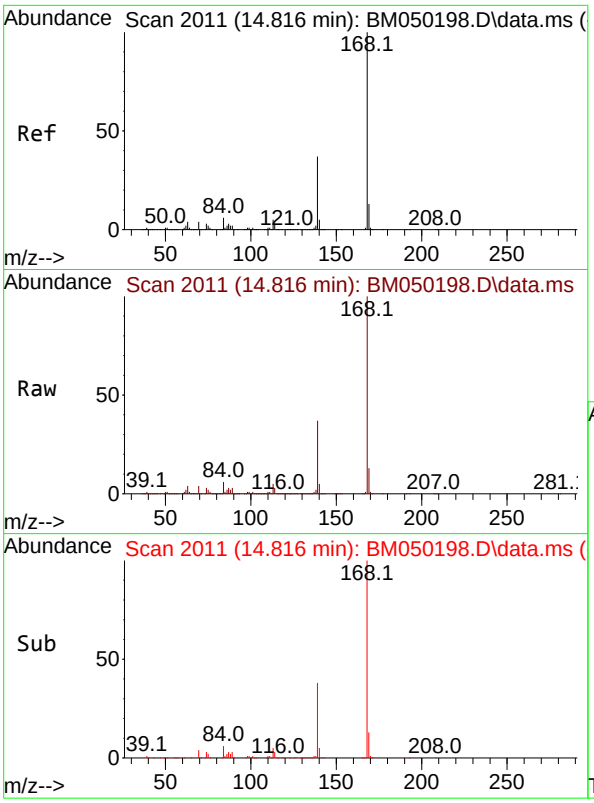


#54
2,4-Dinitrophenol
Concen: 37.659 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:184 Resp: 249778

Ion	Ratio	Lower	Upper
184	100		
63	56.6	45.3	67.9
154	67.9	54.3	81.5

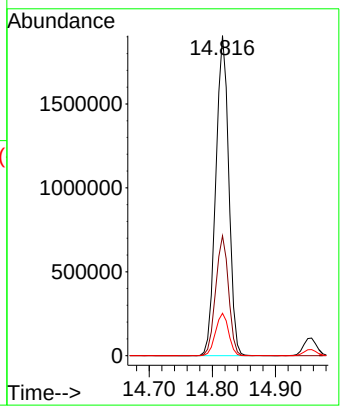




#55
Dibenzofuran
Concen: 38.571 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:168 Resp: 272186

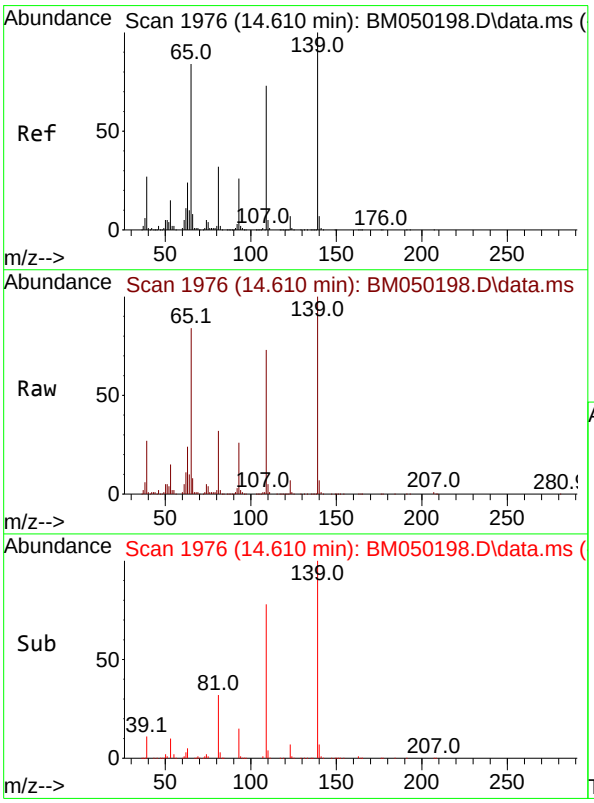
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.9	44.9
169	13.3	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

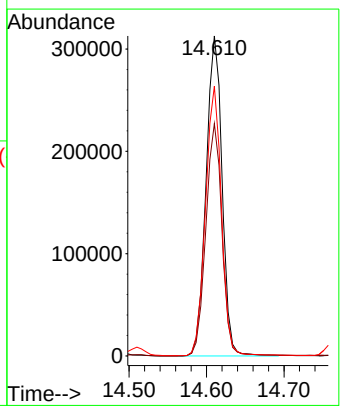
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

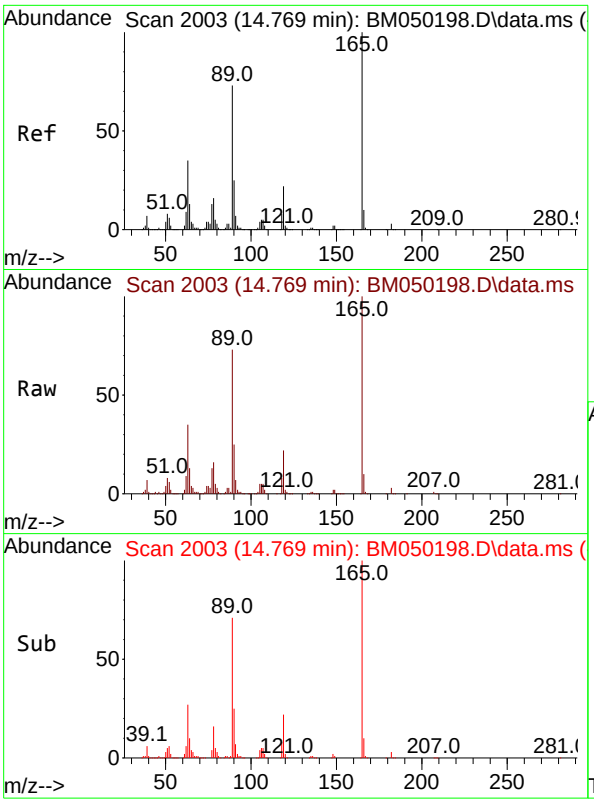


#56
4-Nitrophenol
Concen: 42.399 ng
RT: 14.610 min Scan# 1976
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:139 Resp: 449268

Ion	Ratio	Lower	Upper
139	100		
109	72.6	52.6	92.6
65	84.3	64.3	104.3

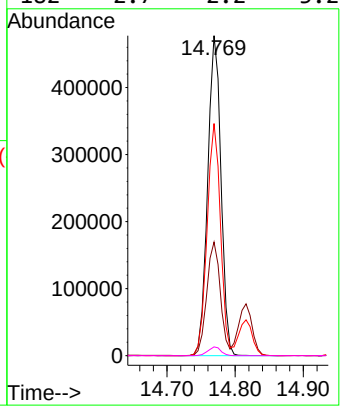




#57
2,4-Dinitrotoluene
Concen: 43.996 ng
RT: 14.769 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:165 Resp: 64829

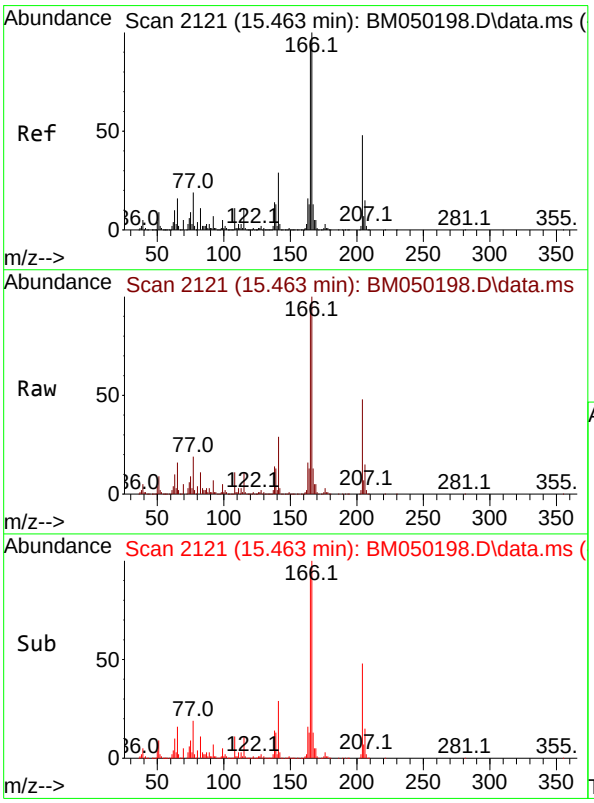
Ion	Ratio	Lower	Upper
165	100		
63	35.5	28.4	42.6
89	72.5	58.0	87.0
182	2.7	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

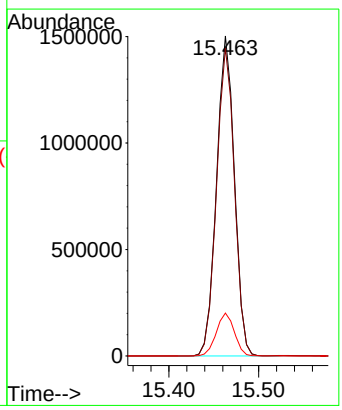
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

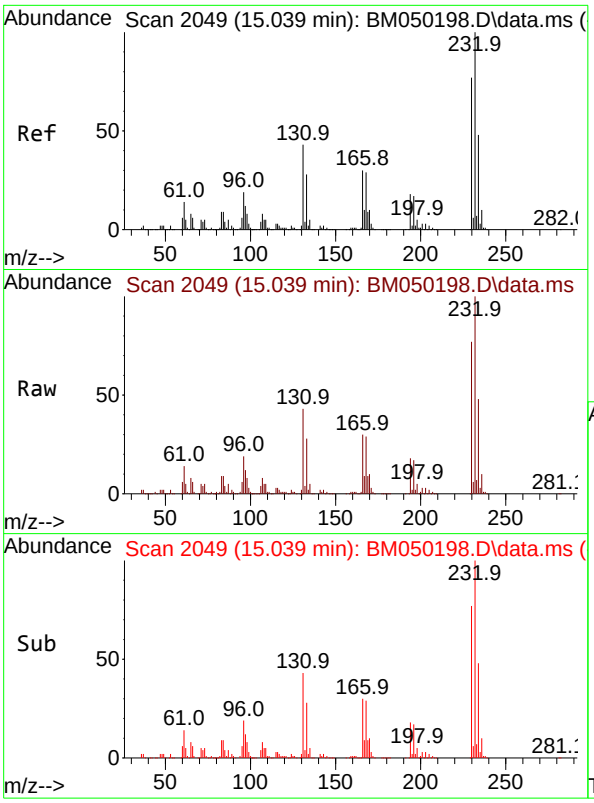


#58
Fluorene
Concen: 38.407 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:166 Resp: 2075880

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.0	115.4
167	13.4	10.7	16.1

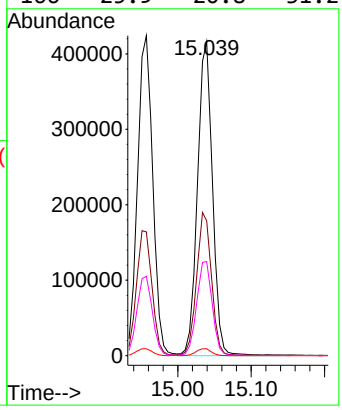




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.441 ng m
RT: 15.039 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:232 Resp: 59749(

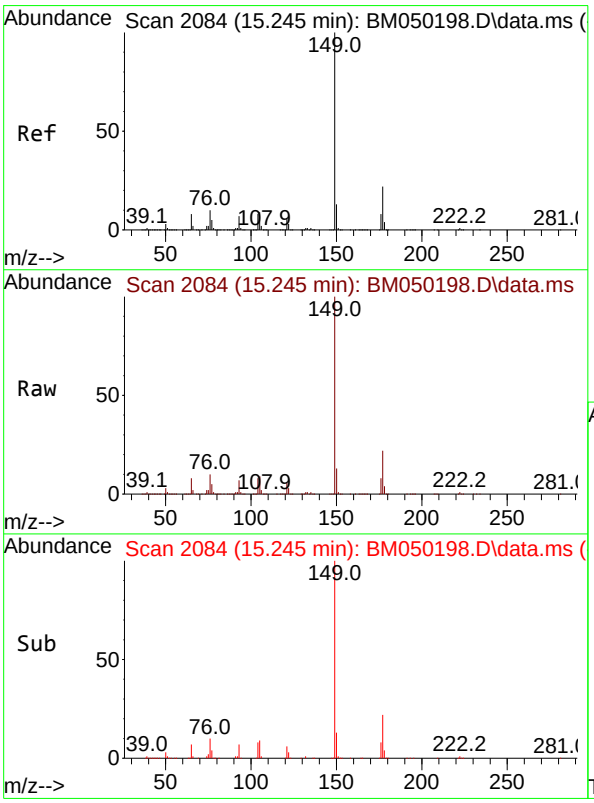
Ion	Ratio	Lower	Upper
232	100		
131	40.9	32.9	49.3
130	2.3	1.8	2.8
166	25.9	20.8	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

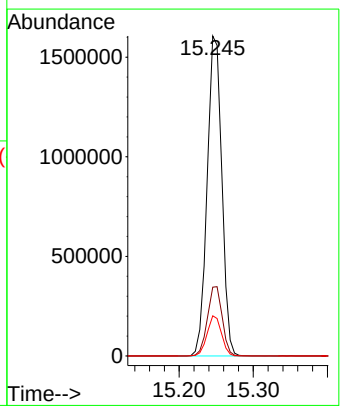
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

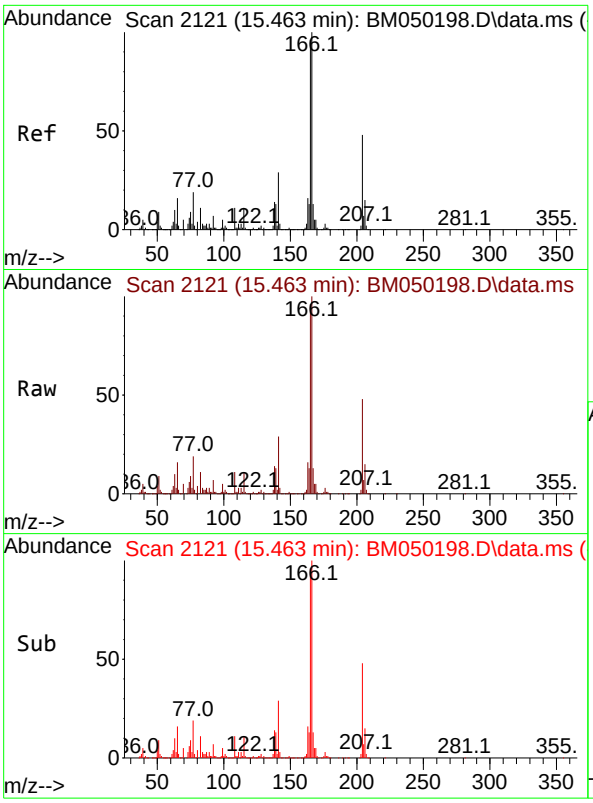


#60
Diethylphthalate
Concen: 40.130 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:149 Resp: 2205514

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.2	25.8
150	12.5	10.0	15.0

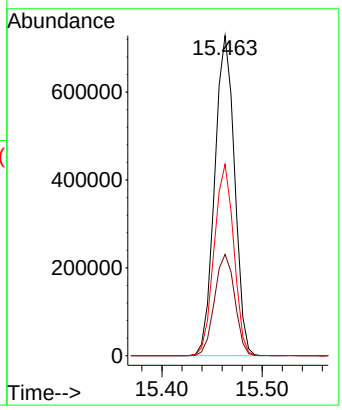




#61
4-Chlorophenyl-phenylether
Concen: 38.331 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:204 Resp: 100129

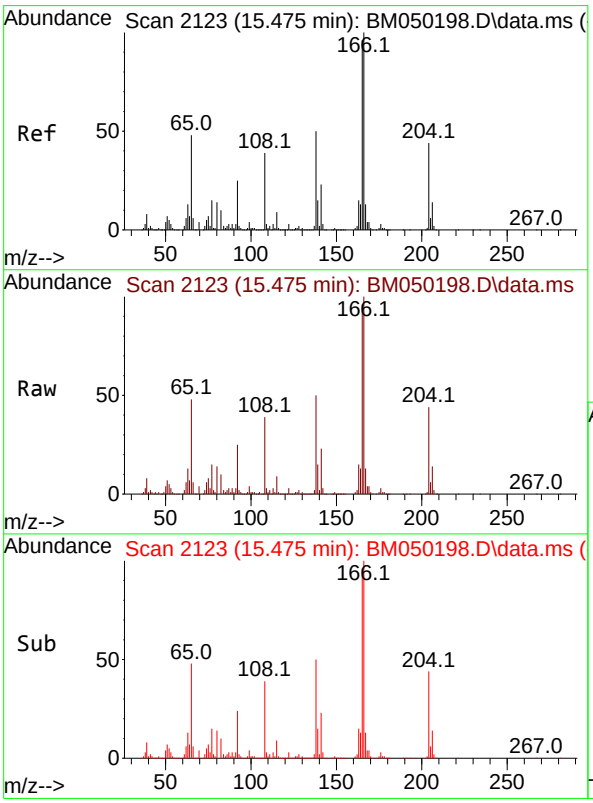
Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.4	38.0
141	59.9	47.9	71.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

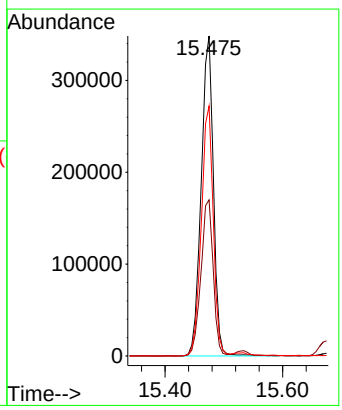
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

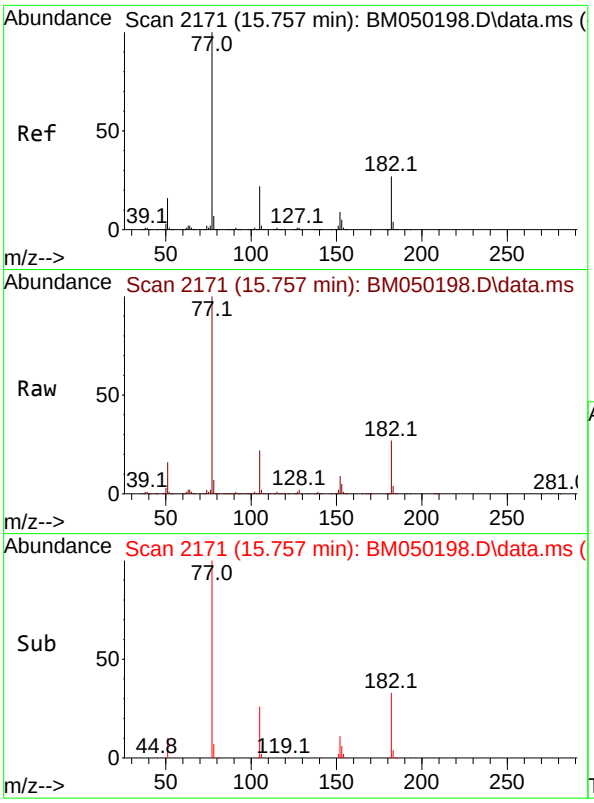


#62
4-Nitroaniline
Concen: 43.174 ng
RT: 15.475 min Scan# 2123
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:138 Resp: 503785

Ion	Ratio	Lower	Upper
138	100		
92	48.8	28.8	68.8
108	78.1	58.1	98.1

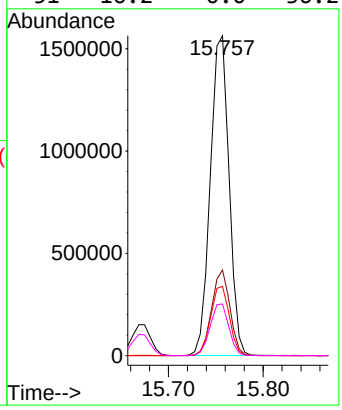




#63
Azobenzene
Concen: 39.165 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion: 77 Resp: 215145

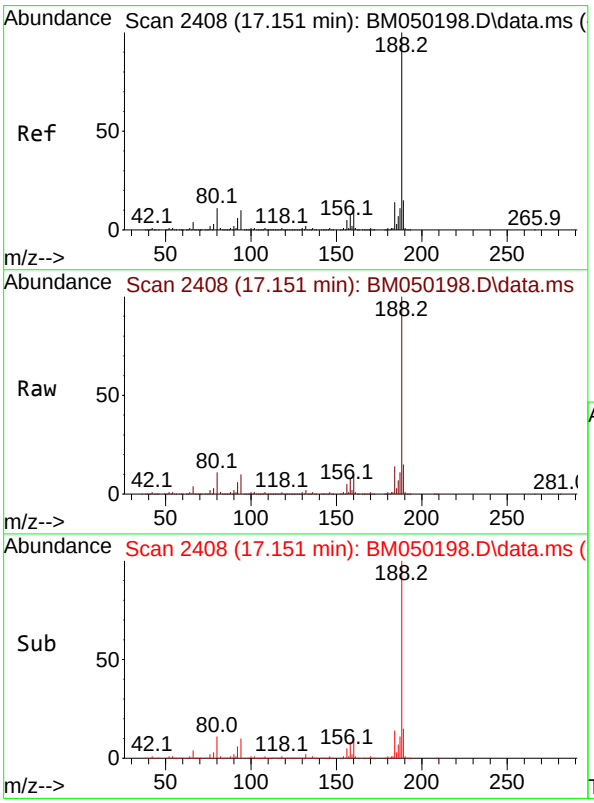
Ion	Ratio	Lower	Upper
77	100		
182	26.8	6.8	46.8
105	21.7	1.7	41.7
51	16.2	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

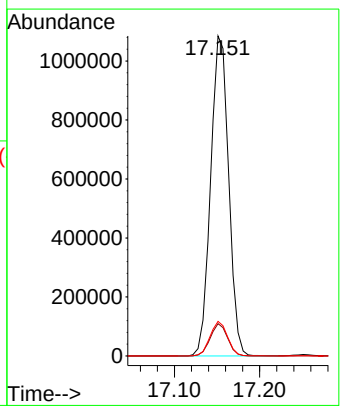
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

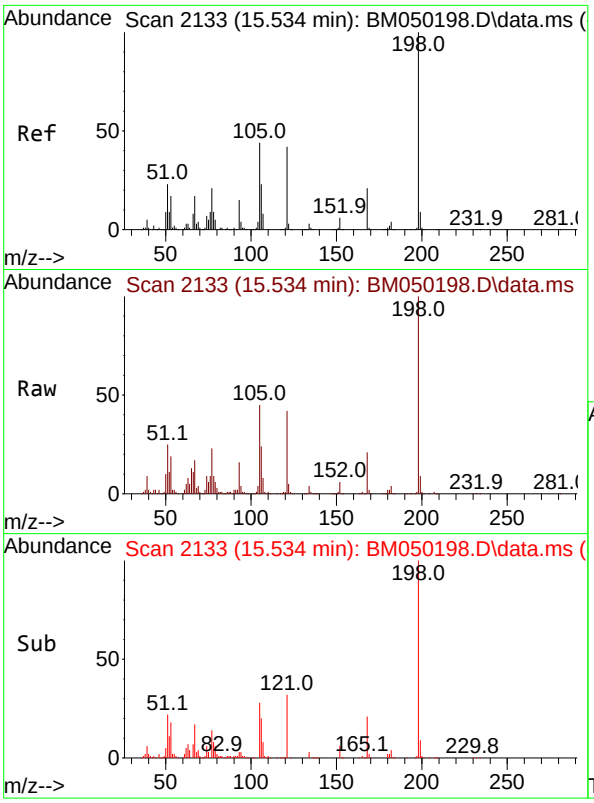


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:188 Resp: 1590674

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	10.8	8.6	13.0

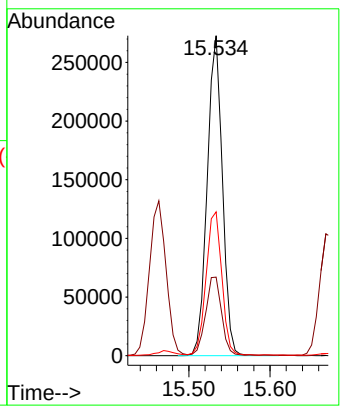




#65
4,6-Dinitro-2-methylphenol
Concen: 40.658 ng
RT: 15.534 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:198 Resp: 35323

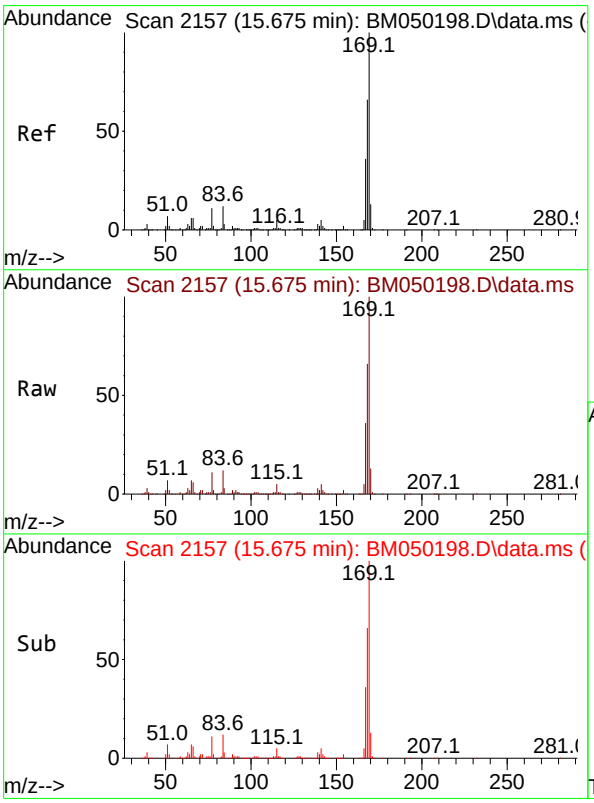
Ion	Ratio	Lower	Upper
198	100		
51	24.5	4.5	44.5
105	44.9	24.9	64.9



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

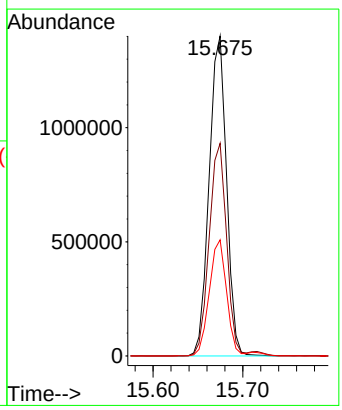
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

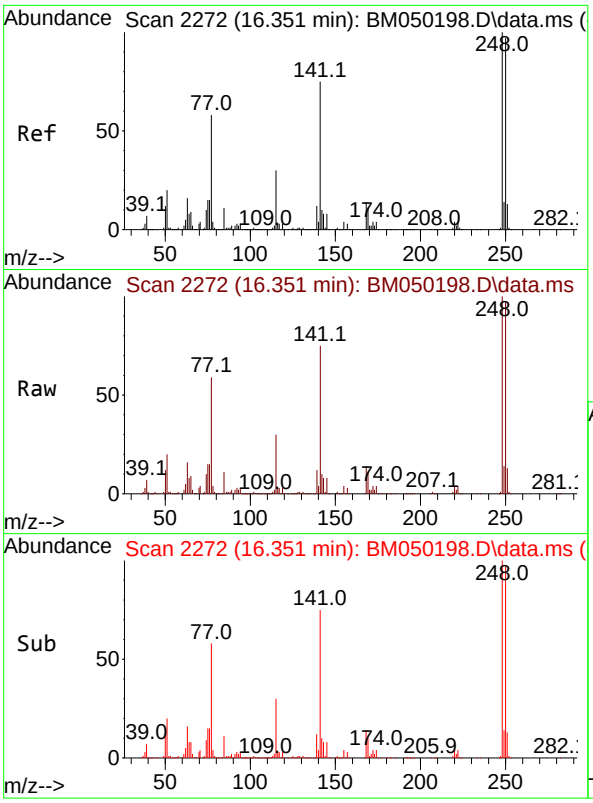


#66
n-Nitrosodiphenylamine
Concen: 37.784 ng
RT: 15.675 min Scan# 2157
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:169 Resp: 1888442

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.1	79.7
167	36.3	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 38.210 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

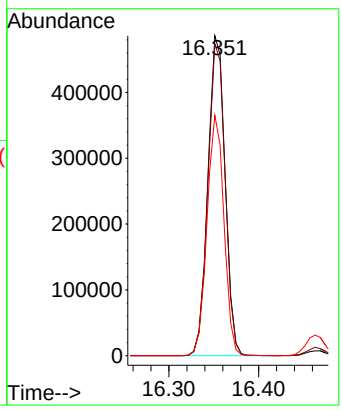
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

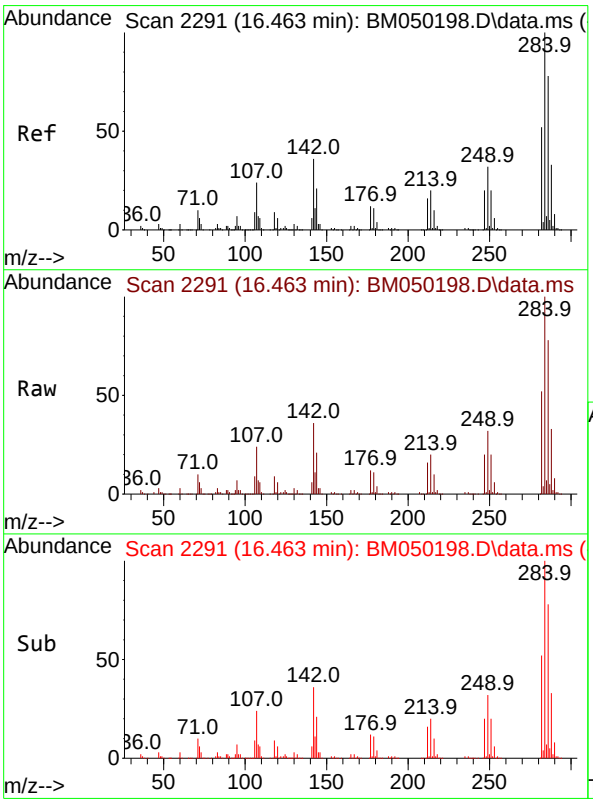
Tgt Ion:248 Resp: 64814

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.0	117.0
141	75.1	60.1	90.1

Manual Integrations
APPROVED

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

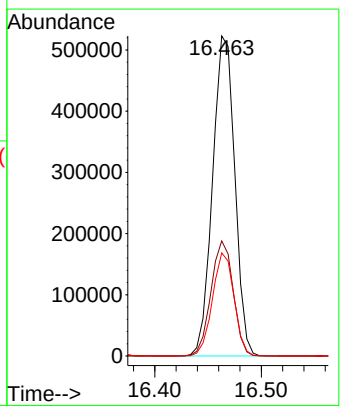


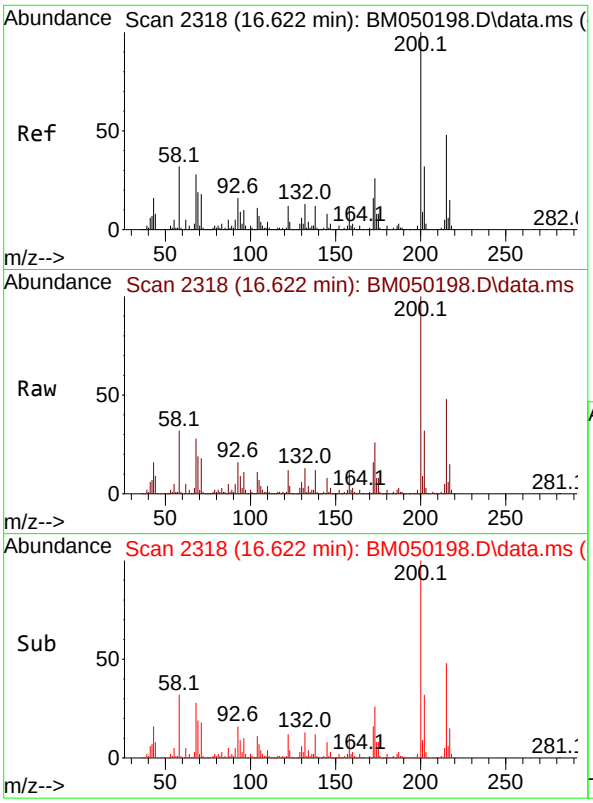


#68
Hexachlorobenzene
Concen: 38.133 ng
RT: 16.463 min Scan# 2291
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:284 Resp: 755736

Ion	Ratio	Lower	Upper
284	100		
142	36.0	28.8	43.2
249	32.2	25.8	38.6





#69
Atrazine
Concen: 41.086 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

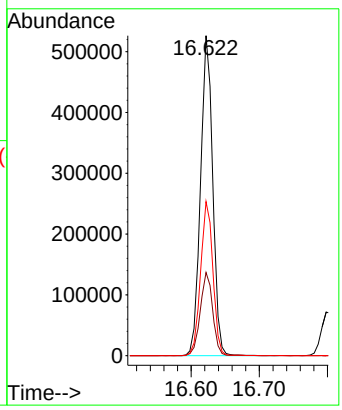
Tgt Ion:200 Resp: 65429

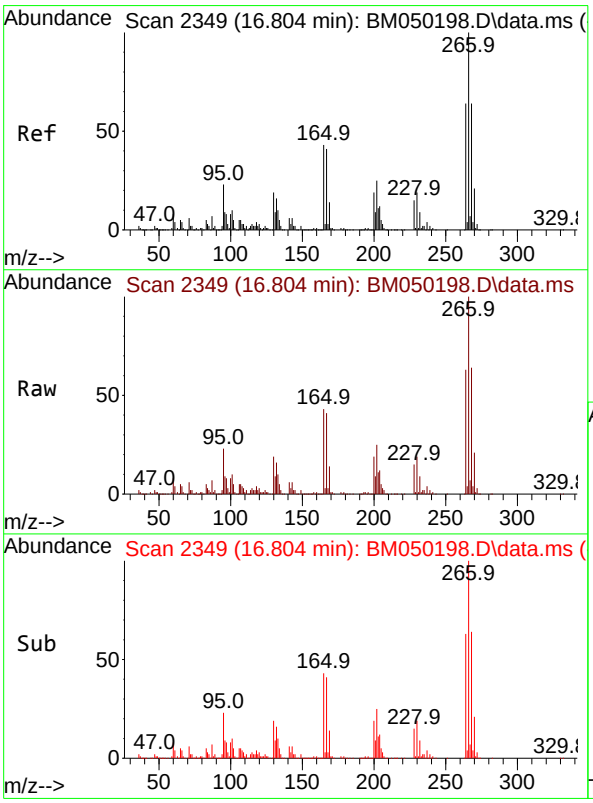
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.0	46.0
215	48.1	28.1	68.1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

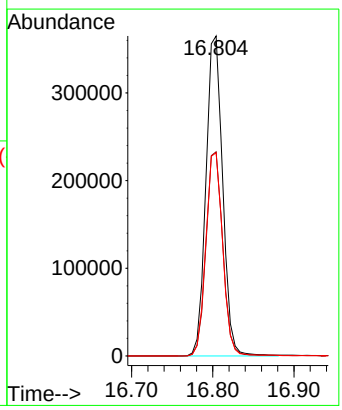


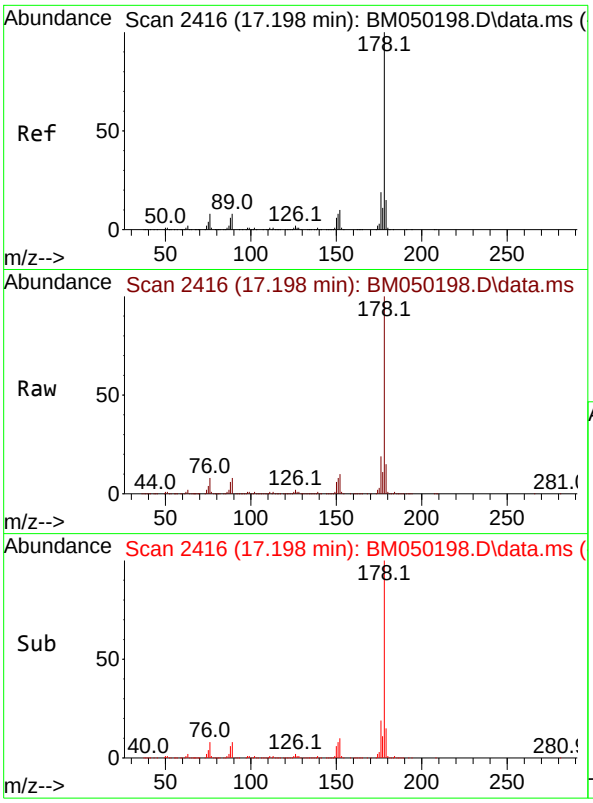


#70
Pentachlorophenol
Concen: 40.433 ng
RT: 16.804 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:266 Resp: 520982

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	63.5	50.8	76.2





#71
Phenanthrene
Concen: 37.488 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

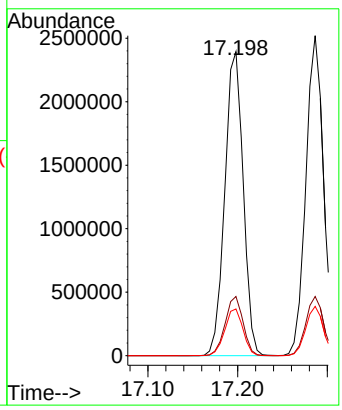
Tgt Ion:178 Resp: 340656

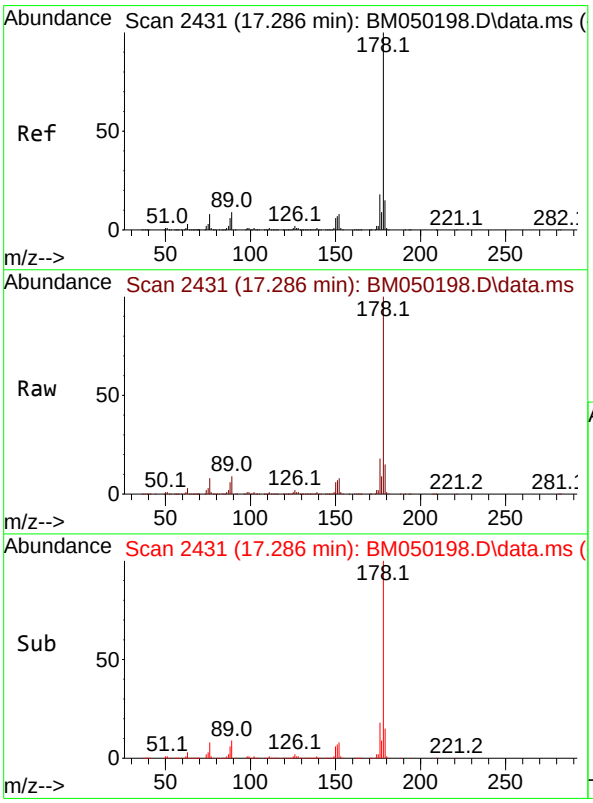
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.4	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

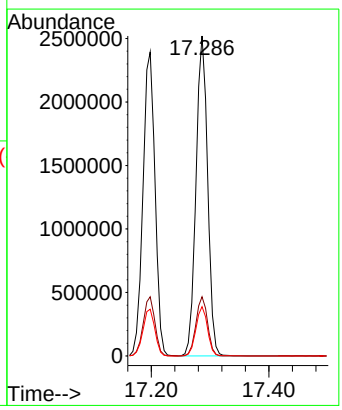


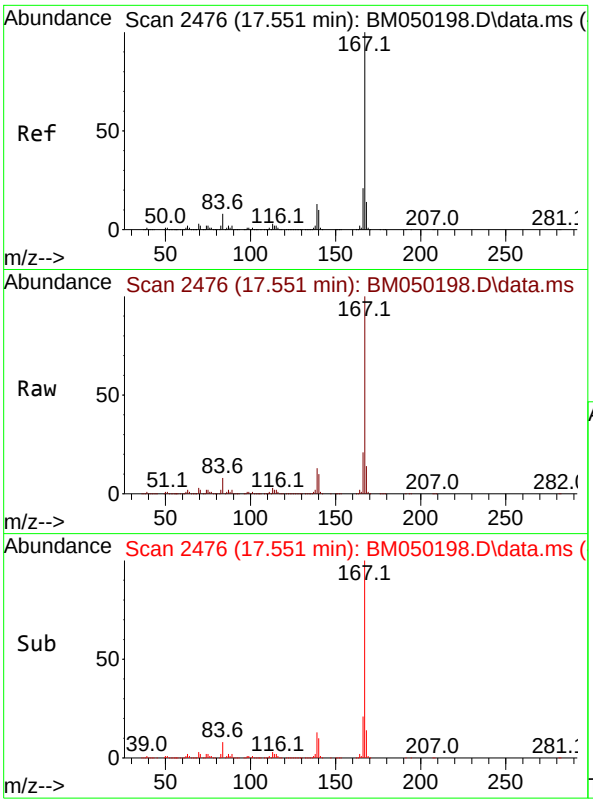


#72
Anthracene
Concen: 38.008 ng
RT: 17.286 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:178 Resp: 3455118

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5

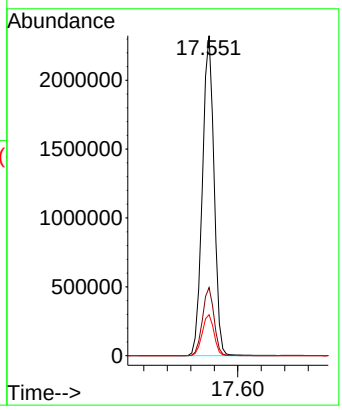




#73
Carbazole
Concen: 38.758 ng
RT: 17.551 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:167 Resp: 320981(

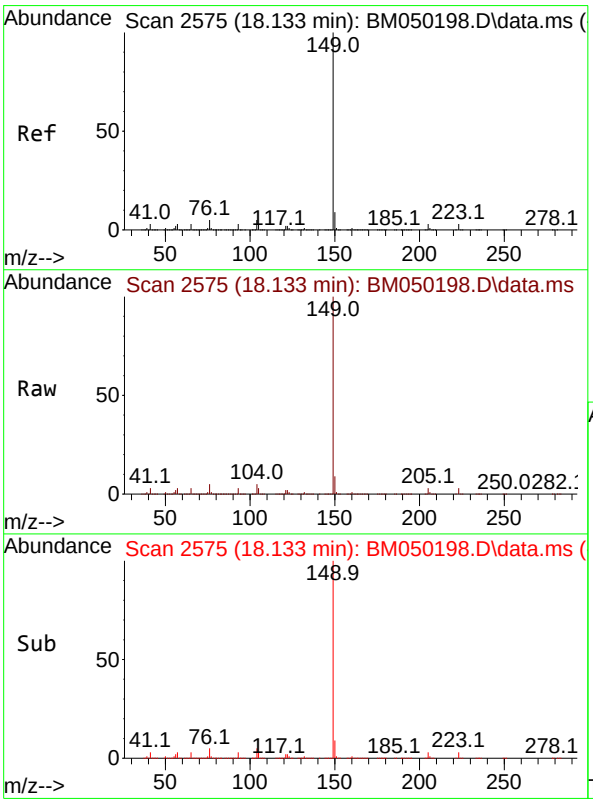
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

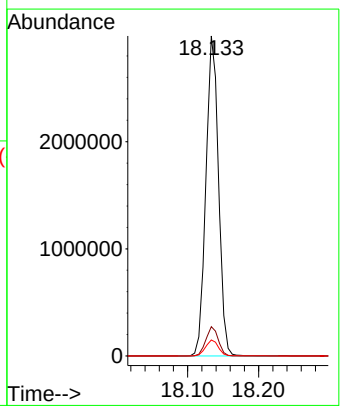
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

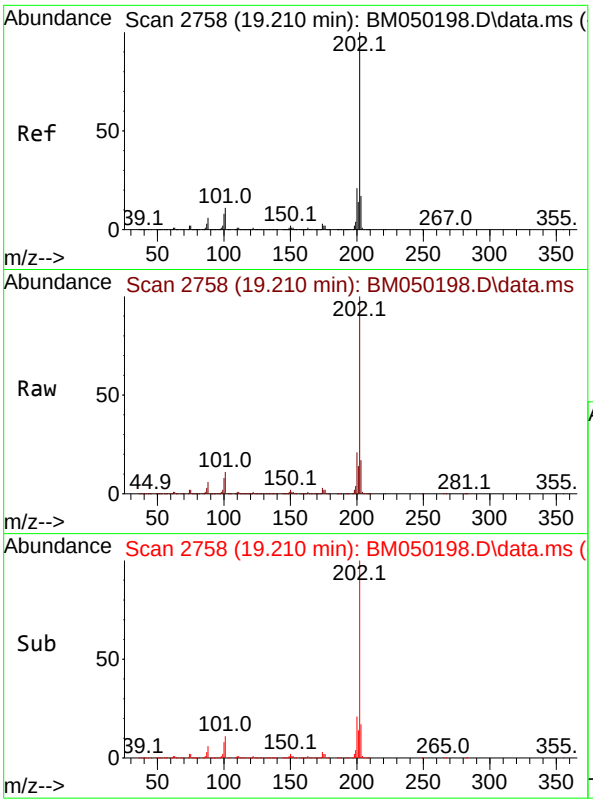


#74
Di-n-butylphthalate
Concen: 40.935 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:149 Resp: 3688687

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.0	4.0	6.0

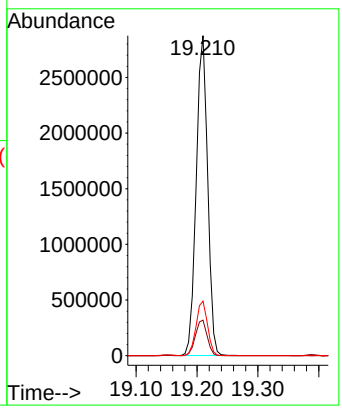




#75
Fluoranthene
Concen: 39.116 ng
RT: 19.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:202 Resp: 374843

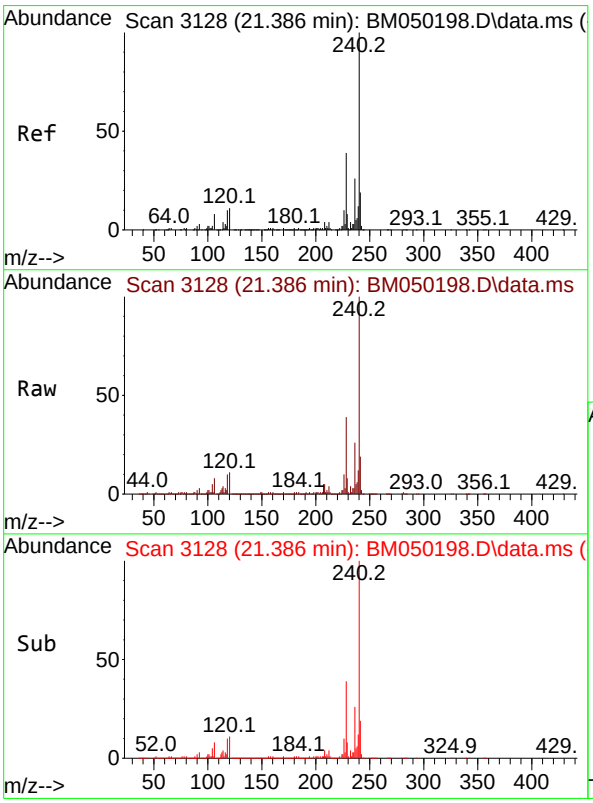
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.0	0.0	37.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

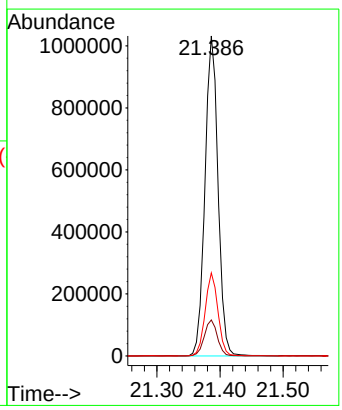
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

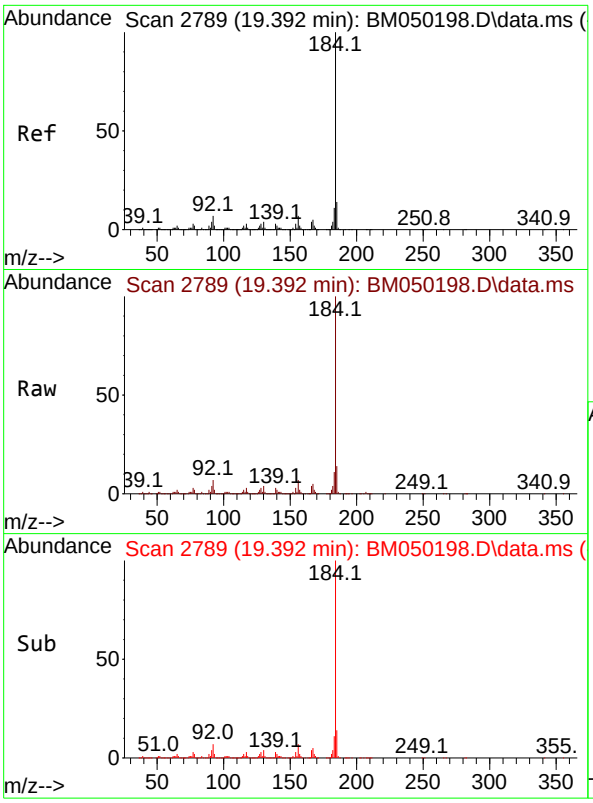


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:240 Resp: 1484493

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.0	13.4
236	25.9	20.7	31.1

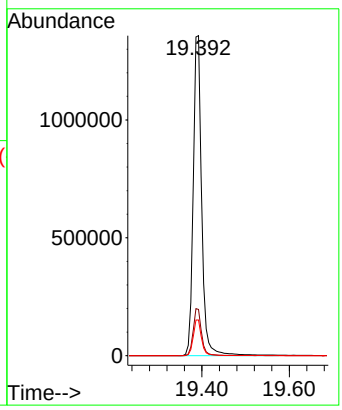




#77
Benzidine
Concen: 43.865 ng
RT: 19.392 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:184 Resp: 183115

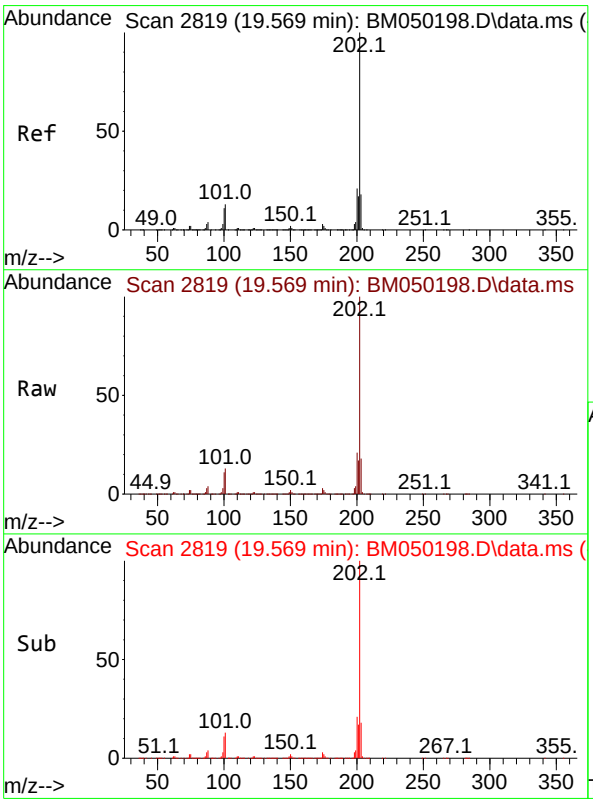
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.2	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

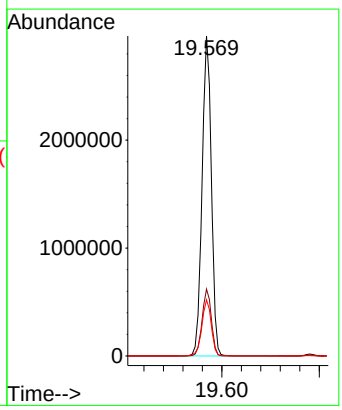
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

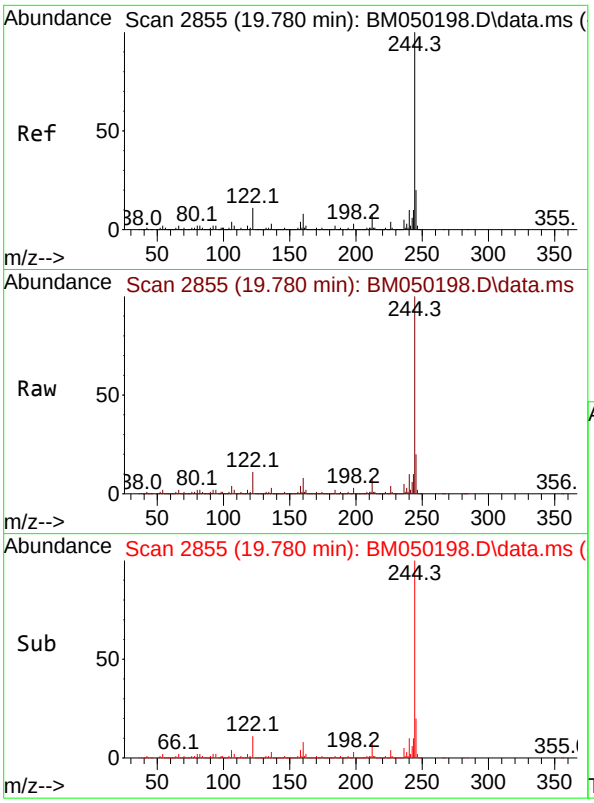


#78
Pyrene
Concen: 39.288 ng
RT: 19.569 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:202 Resp: 3930978

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

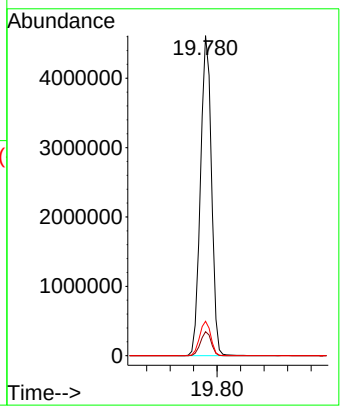




#79
Terphenyl-d14
Concen: 76.566 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:244 Resp: 599794

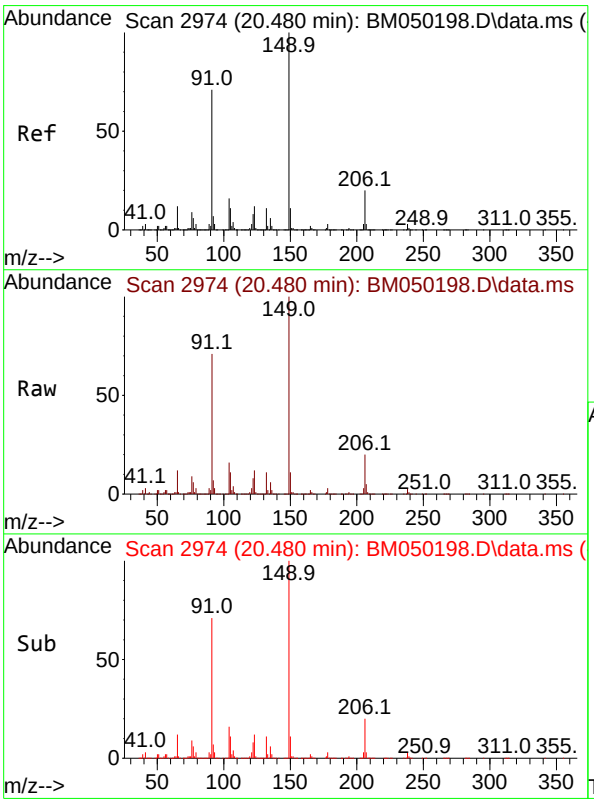
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	10.7	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

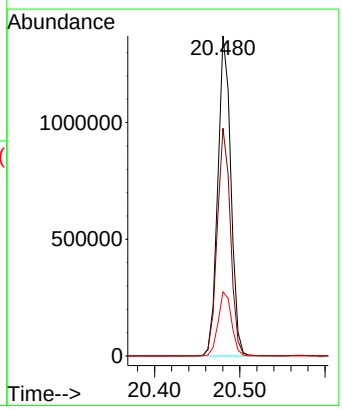
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

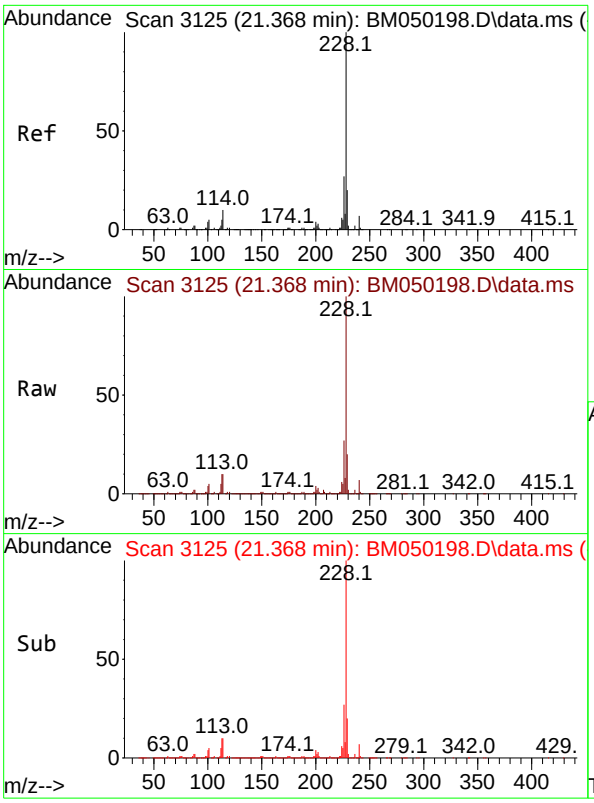


#80
Butylbenzylphthalate
Concen: 43.604 ng
RT: 20.480 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:149 Resp: 1455291

Ion	Ratio	Lower	Upper
149	100		
91	71.1	56.9	85.3
206	20.1	16.1	24.1

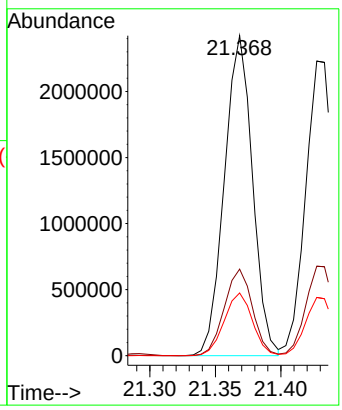




#81
Benzo(a)anthracene
Concen: 38.488 ng
RT: 21.368 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:228 Resp: 361643

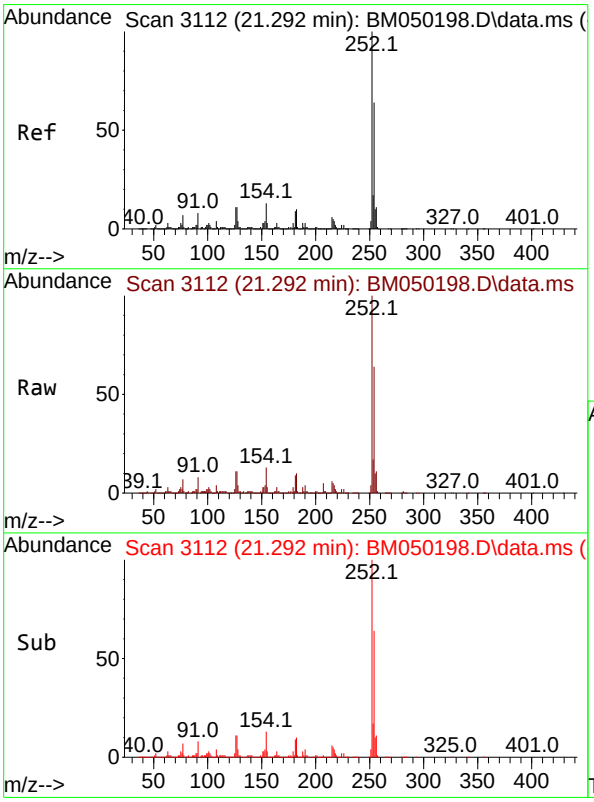
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.6	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

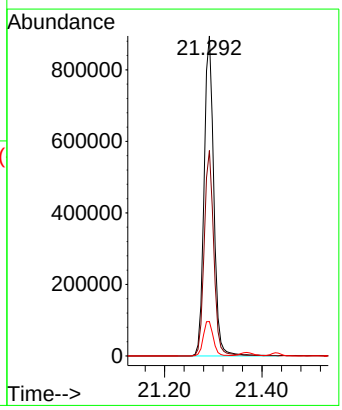
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

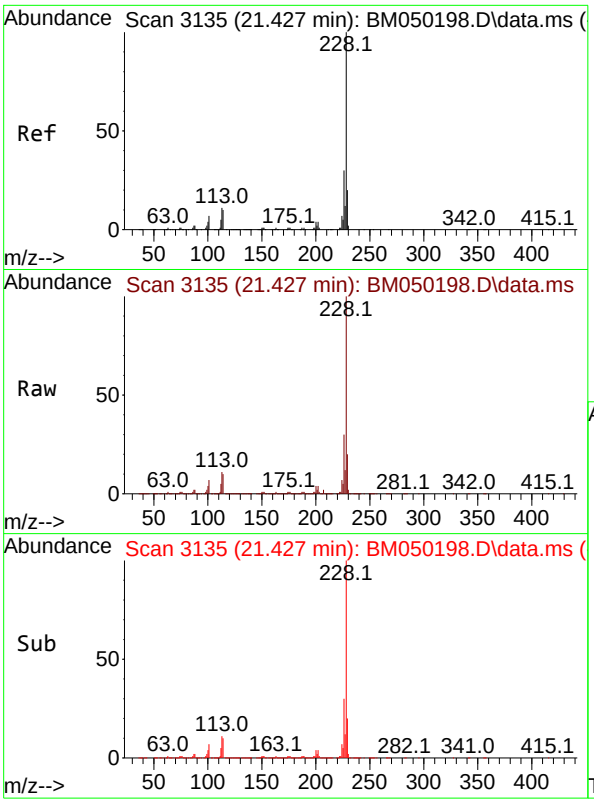


#82
3,3'-Dichlorobenzidine
Concen: 43.008 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:252 Resp: 1232348

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.7	8.6	12.8

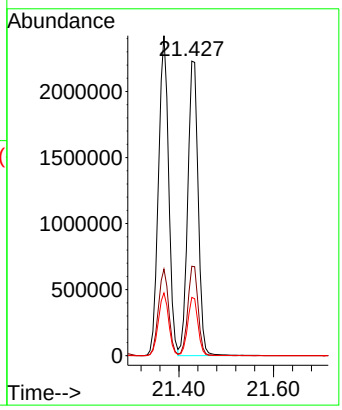




#83
Chrysene
Concen: 38.218 ng
RT: 21.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:228 Resp: 341584

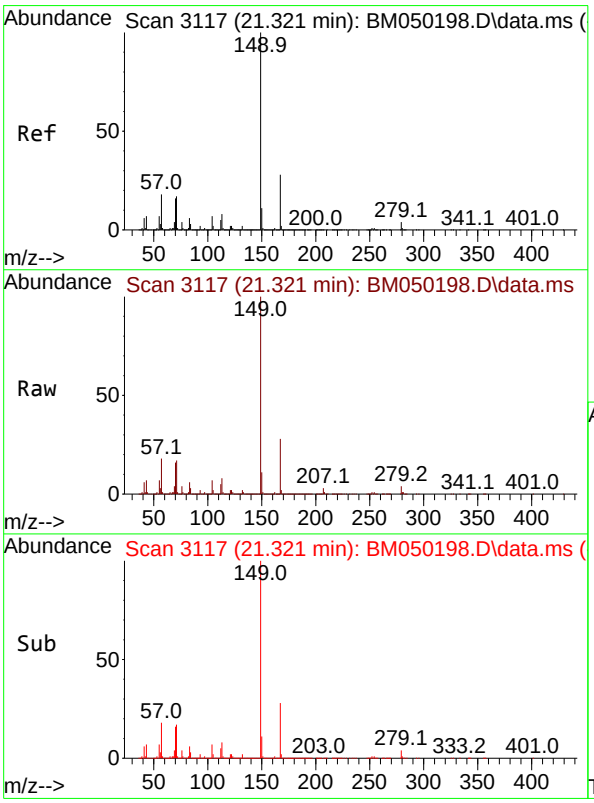
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.8	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

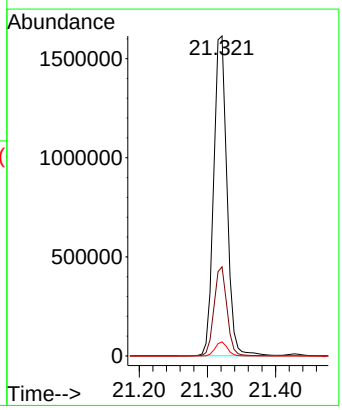
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

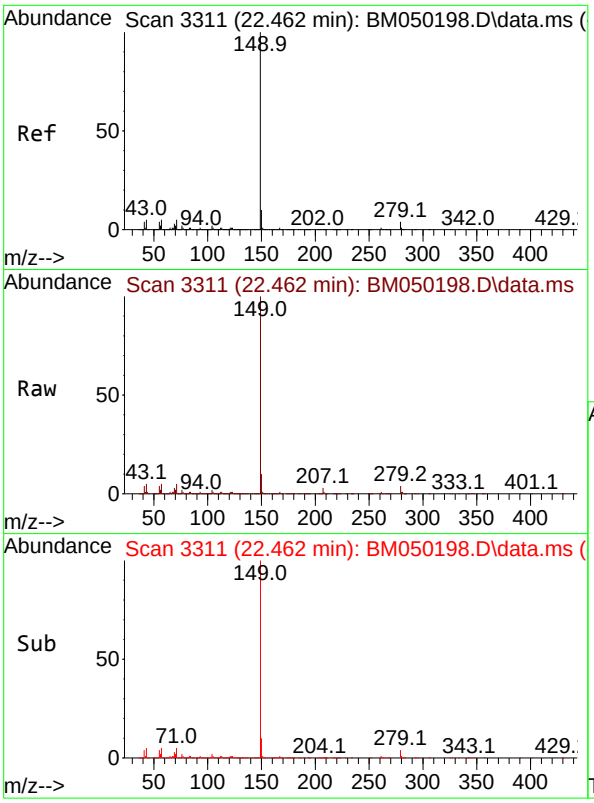


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.764 ng
RT: 21.321 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:149 Resp: 2198448

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.4	3.5	5.3

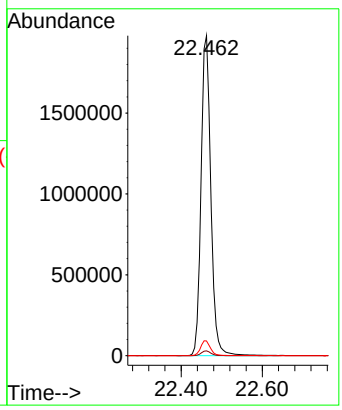




#85
Di-n-octyl phthalate
Concen: 43.375 ng
RT: 22.462 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:149 Resp: 330888

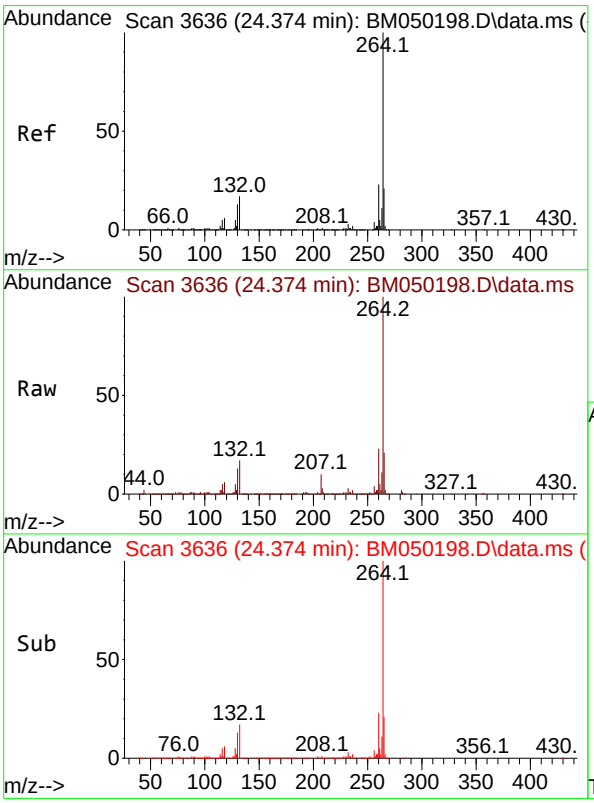
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	4.8	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

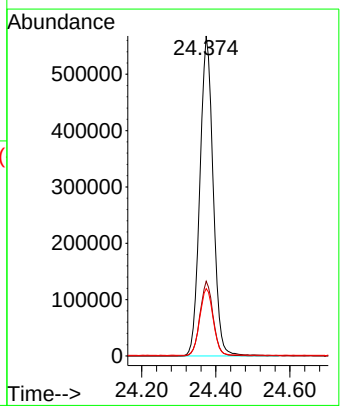
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

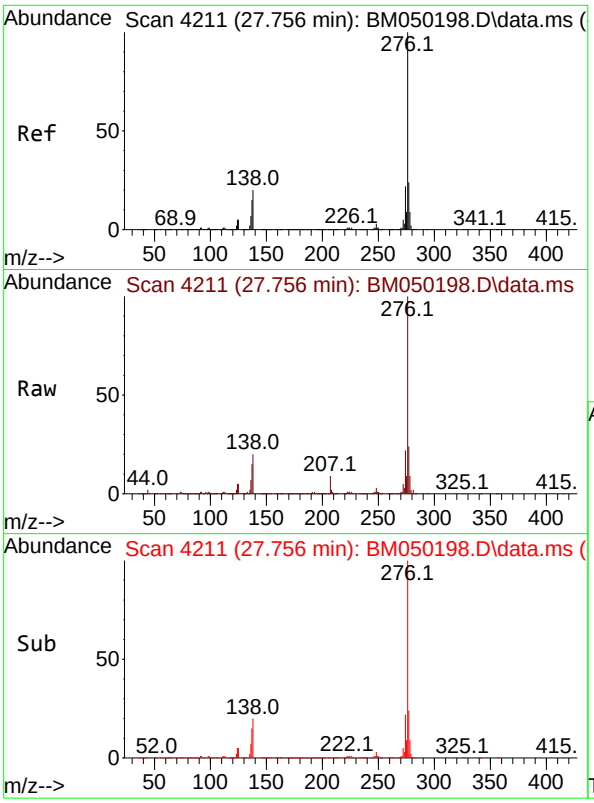


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:264 Resp: 1410376

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.0	16.8	25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 36.991 ng
RT: 27.756 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

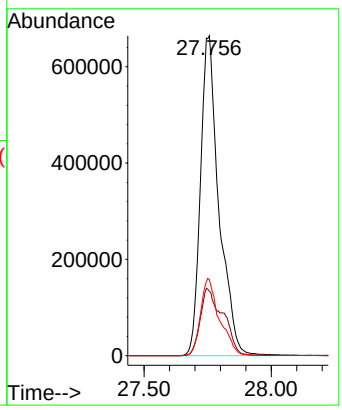
Tgt Ion:276 Resp: 335919

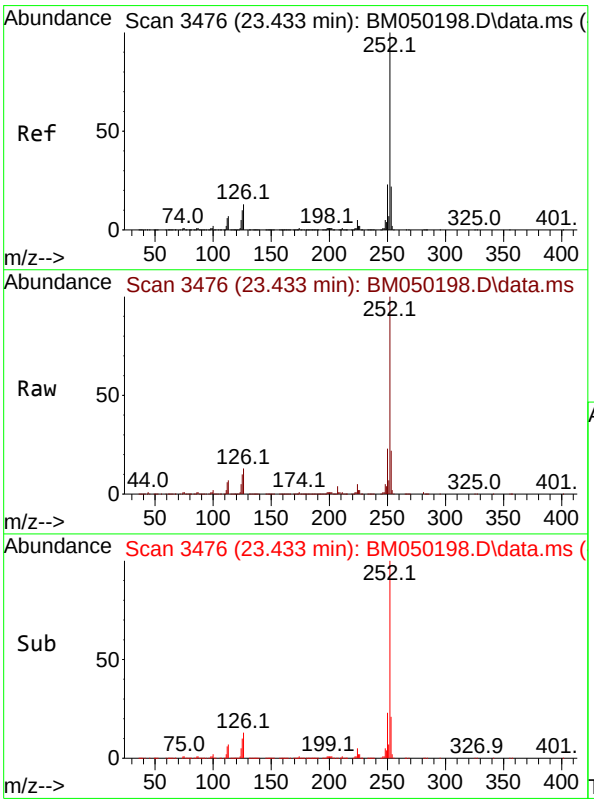
Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.6	30.8
277	24.8	19.8	29.6

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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

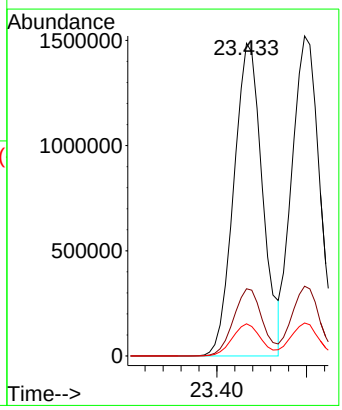


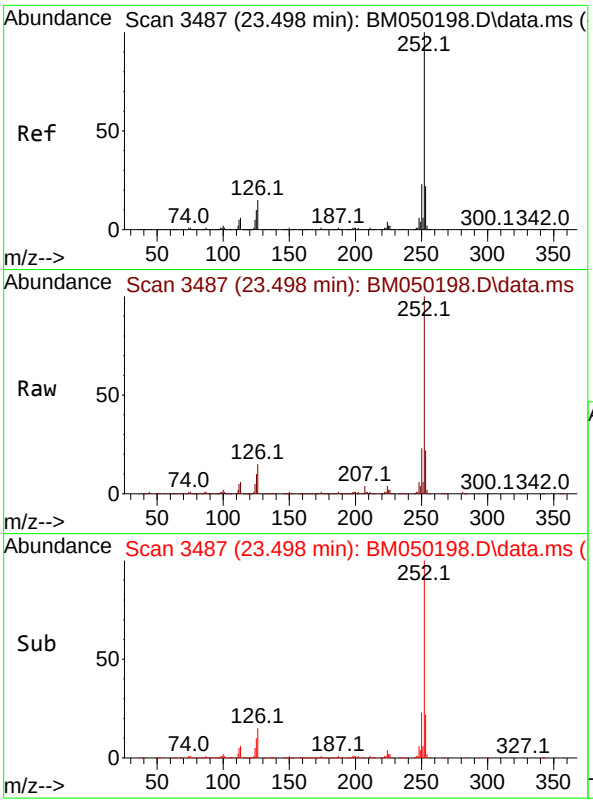


#88
Benzo(b)fluoranthene
Concen: 40.232 ng
RT: 23.433 min Scan# 3476
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:252 Resp: 3299020

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.3	8.2	12.4

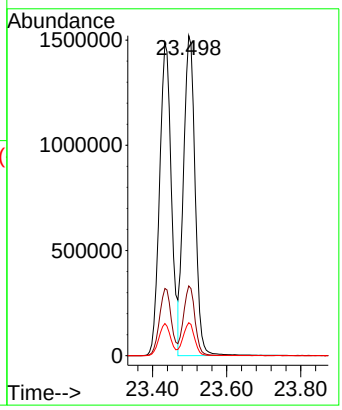




#89
Benzo(k)fluoranthene
Concen: 39.327 ng
RT: 23.498 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:252 Resp: 329203

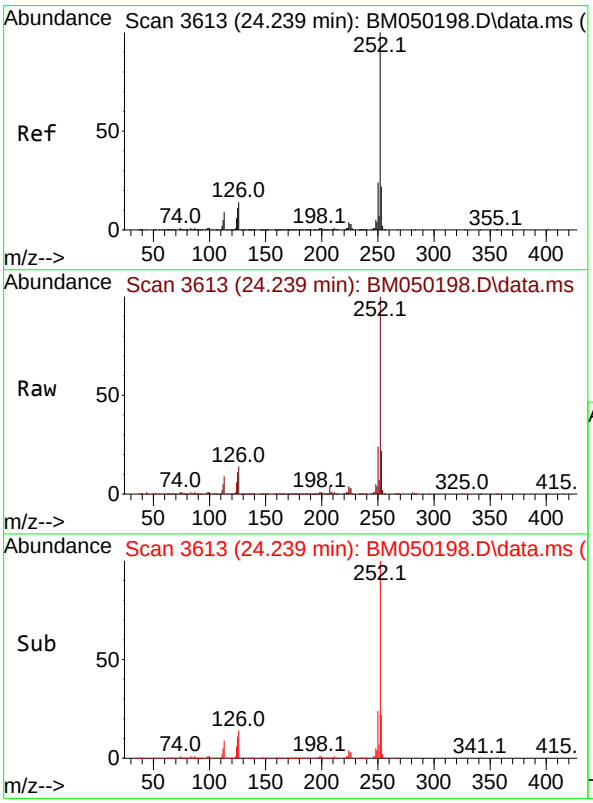
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.3	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

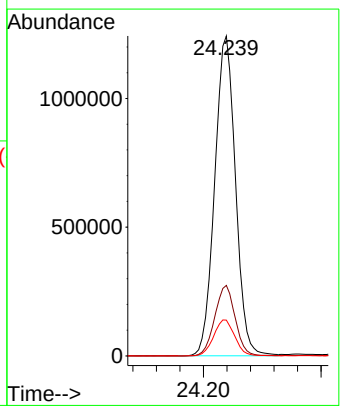
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

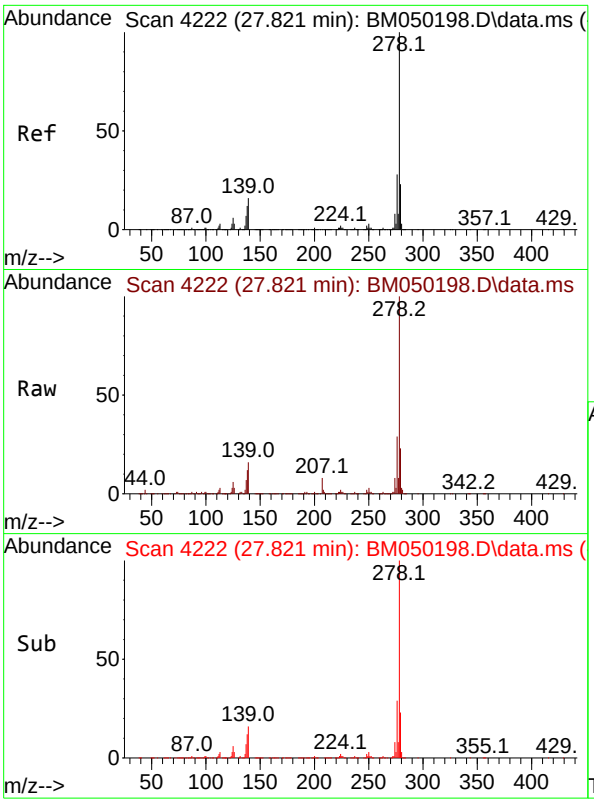


#90
Benzo(a)pyrene
Concen: 39.542 ng
RT: 24.239 min Scan# 3613
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:252 Resp: 3048619

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.2	9.0	13.4

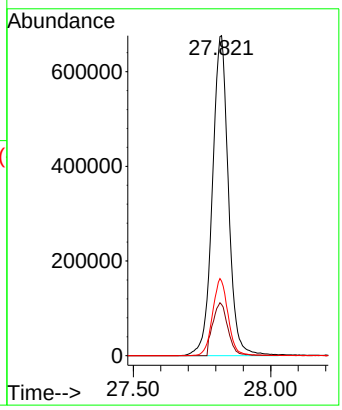




#91
Dibenzo(a,h)anthracene
Concen: 37.184 ng
RT: 27.821 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:278 Resp: 274089

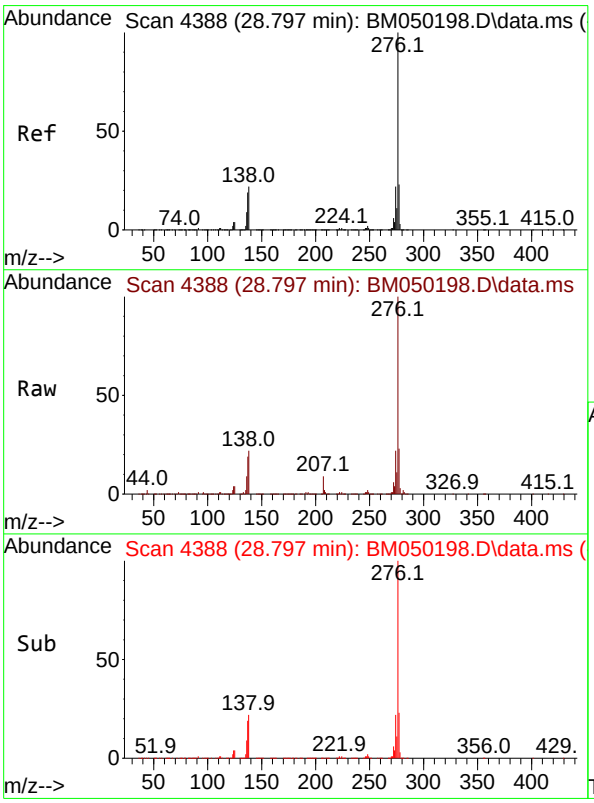
Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.3	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

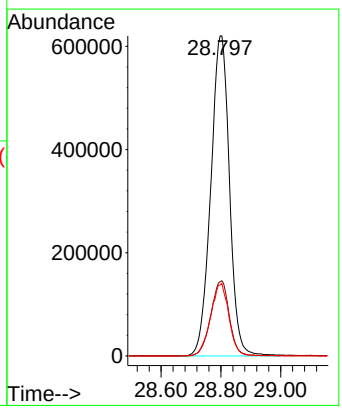
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#92
Benzo(g,h,i)perylene
Concen: 36.467 ng
RT: 28.797 min Scan# 4388
Delta R.T. 0.000 min
Lab File: BM050198.D
Acq: 05 Jun 2025 11:57

Tgt Ion:276 Resp: 2690355

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	27.8
138	22.2	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	291057	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1245308	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	784298	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1523841	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1446151	20.000	ng	0.00
86) Perylene-d12	24.374	264	1421732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1802037	103.281	ng	0.00
7) Phenol-d6	6.951	99	2472934	107.666	ng	0.00
23) Nitrobenzene-d5	8.939	82	2579483	107.728	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	994114	111.437	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	5738887	99.064	ng	0.00
79) Terphenyl-d14	19.786	244	7692376	100.800	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	371991	48.638	ng	100
3) Pyridine	3.681	79	1036652	52.340	ng	98
4) n-Nitrosodimethylamine	3.593	42	215821	52.696	ng	95
6) Aniline	7.116	93	1637124	53.917	ng	100
8) 2-Chlorophenol	7.351	128	1032007	53.773	ng	99
9) Benzaldehyde	6.928	77	709626	48.594	ng	99
10) Phenol	6.981	94	1296462	53.347	ng	99
11) bis(2-Chloroethyl)ether	7.216	93	1039221	53.164	ng	98
12) 1,3-Dichlorobenzene	7.681	146	1124523	52.412	ng	100
13) 1,4-Dichlorobenzene	7.822	146	1157927	51.870	ng	100
14) 1,2-Dichlorobenzene	8.140	146	1120717	52.663	ng	99
15) Benzyl Alcohol	8.022	79	921887	56.274	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.322	45	711769	52.417	ng	99
17) 2-Methylphenol	8.222	107	878183	54.767	ng	100
18) Hexachloroethane	8.869	117	431469	53.371	ng	99
19) n-Nitroso-di-n-propyla...	8.598	70	797673	56.751	ng	100
20) 3+4-Methylphenols	8.551	107	1208370	56.326	ng	98
22) Acetophenone	8.604	105	1616196	51.949	ng	99
24) Nitrobenzene	8.981	77	1151898	52.895	ng	99
25) Isophorone	9.510	82	2280770	55.187	ng	100
26) 2-Nitrophenol	9.692	139	552994	58.828	ng	98
27) 2,4-Dimethylphenol	9.751	122	1034501	53.511	ng	100
28) bis(2-Chloroethoxy)met...	9.992	93	1463553	54.208	ng	99
29) 2,4-Dichlorophenol	10.222	162	991973	55.499	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1048864	52.734	ng	98
31) Naphthalene	10.628	128	3303529	51.309	ng	100
32) Benzoic acid	9.892	122	725550	59.774	ng	99
33) 4-Chloroaniline	10.728	127	1484906	54.095	ng	99
34) Hexachlorobutadiene	10.928	225	629209	53.185	ng	99
35) Caprolactam	11.510	113	348835	61.561	ng	98
36) 4-Chloro-3-methylphenol	11.857	107	1081009	56.680	ng	100
37) 2-Methylnaphthalene	12.239	142	2112994	54.400	ng	98
38) 1-Methylnaphthalene	12.463	142	2223932	53.945	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1155693	51.030	ng	100
41) Hexachlorocyclopentadiene	12.598	237	749110	54.466	ng	98
43) 2,4,6-Trichlorophenol	12.845	196	810794	54.440	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

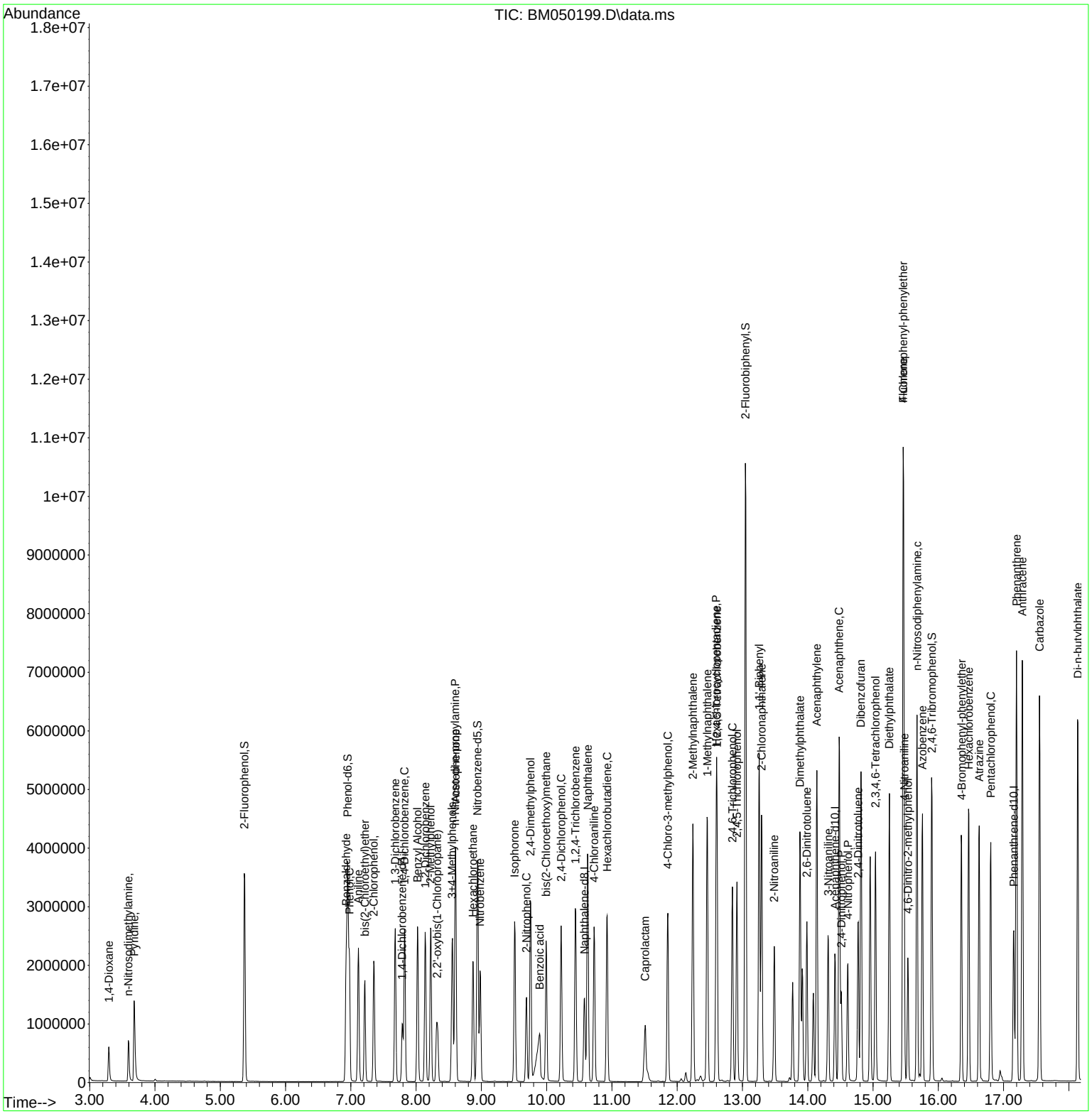
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	896452	54.822	ng	100
46) 1,1'-Biphenyl	13.257	154	2992234	50.951	ng	99
47) 2-Chloronaphthalene	13.292	162	2296762	50.305	ng	99
48) 2-Nitroaniline	13.486	65	591382	58.859	ng	99
49) Acenaphthylene	14.139	152	3878499	52.521	ng	100
50) Dimethylphthalate	13.880	163	2890771	54.500	ng	100
51) 2,6-Dinitrotoluene	13.986	165	627879	58.698	ng	97
52) Acenaphthene	14.480	154	2406891	52.109	ng	99
53) 3-Nitroaniline	14.316	138	706323	59.247	ng	98
54) 2,4-Dinitrophenol	14.516	184	350975	54.263	ng	91
55) Dibenzofuran	14.816	168	3522761	52.131	ng	100
56) 4-Nitrophenol	14.616	139	601906	59.319	ng	98
57) 2,4-Dinitrotoluene	14.774	165	876137	62.091	ng	97
58) Fluorene	15.463	166	2643113	51.068	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.039	232	786725	55.608	ng	92
60) Diethylphthalate	15.251	149	2921964	55.521	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	1293938	51.728	ng	99
62) 4-Nitroaniline	15.480	138	669832	59.947	ng	99
63) Azobenzene	15.757	77	2829707	53.794	ng	99
65) 4,6-Dinitro-2-methylph...	15.533	198	487410	58.562	ng	98
66) n-Nitrosodiphenylamine	15.674	169	2459825	51.375	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	868132	53.423	ng	97
68) Hexachlorobenzene	16.468	284	993147	52.310	ng	96
69) Atrazine	16.627	200	878900	57.610	ng	100
70) Pentachlorophenol	16.804	266	711985	57.680	ng	100
71) Phenanthrene	17.198	178	4421661	50.793	ng	100
72) Anthracene	17.286	178	4499098	51.663	ng	99
73) Carbazole	17.551	167	4203693	52.985	ng	100
74) Di-n-butylphthalate	18.139	149	4951541	57.359	ng	100
75) Fluoranthene	19.209	202	4957680	54.004	ng	99
77) Benzidine	19.392	184	2489372	61.214	ng	100
78) Pyrene	19.568	202	5143501	52.769	ng	99
80) Butylbenzylphthalate	20.486	149	2036123	62.625	ng	98
81) Benzo(a)anthracene	21.368	228	4836514	52.838	ng	99
82) 3,3'-Dichlorobenzidine	21.292	252	1721840	61.684	ng	99
83) Chrysene	21.433	228	4540308	52.145	ng	100
84) Bis(2-ethylhexyl)phtha...	21.321	149	3074950	61.400	ng	100
85) Di-n-octyl phthalate	22.462	149	4912405	66.103	ng	100
87) Indeno(1,2,3-cd)pyrene	27.762	276	4685372	51.183	ng	100
88) Benzo(b)fluoranthene	23.439	252	4510196	54.563	ng	99
89) Benzo(k)fluoranthene	23.503	252	4604565	54.567	ng	99
90) Benzo(a)pyrene	24.238	252	4255236	54.752	ng	100
91) Dibenzo(a,h)anthracene	27.821	278	3820009	51.410	ng	100
92) Benzo(g,h,i)perylene	28.803	276	3684864	49.548	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

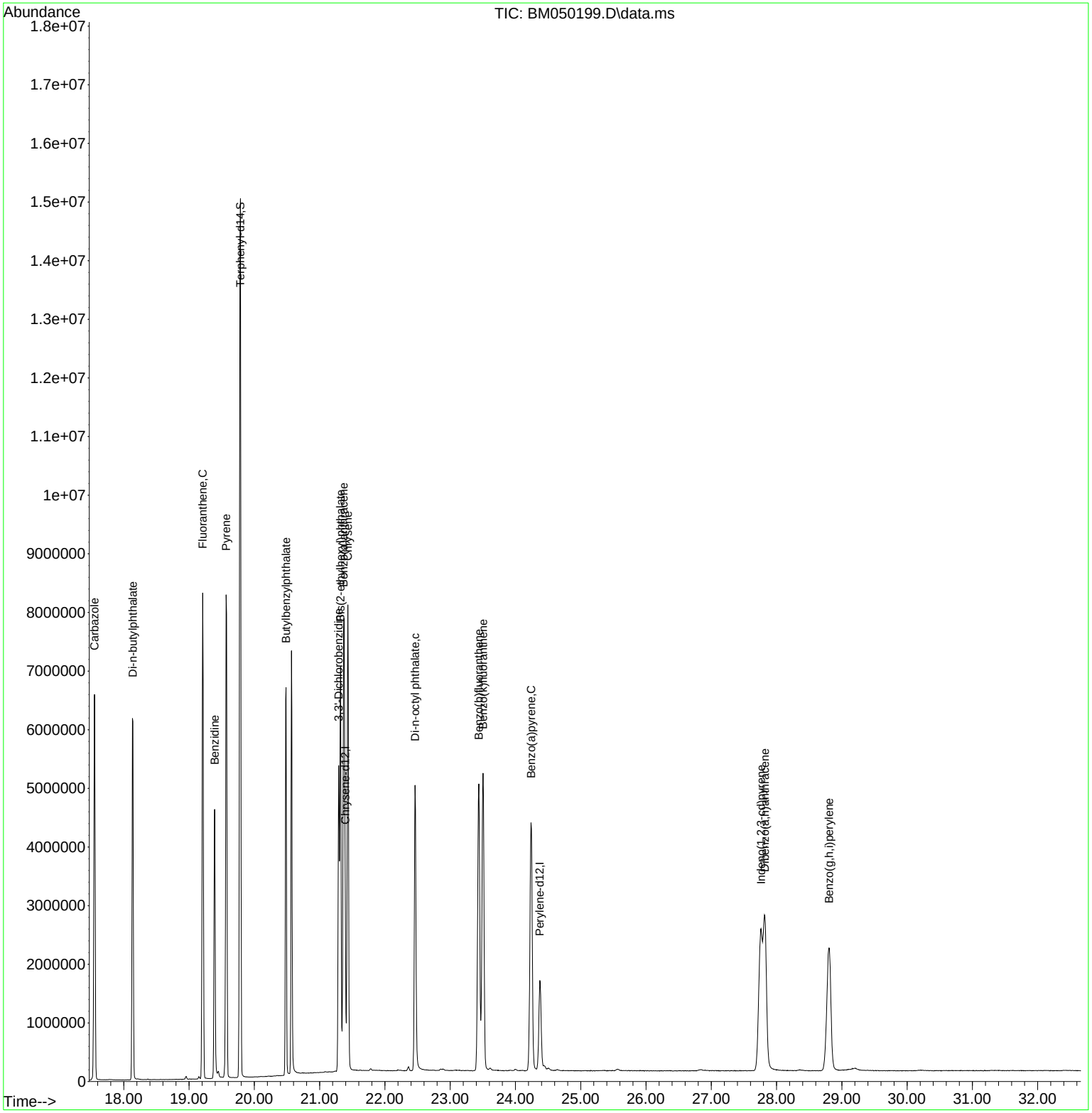
Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

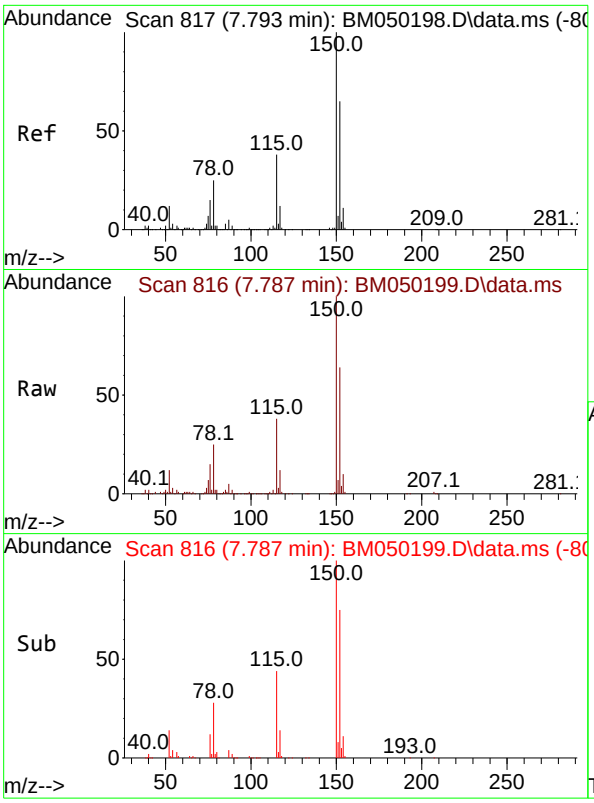


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



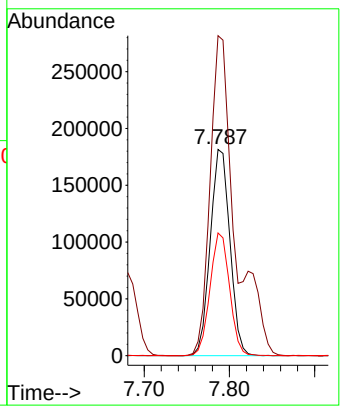


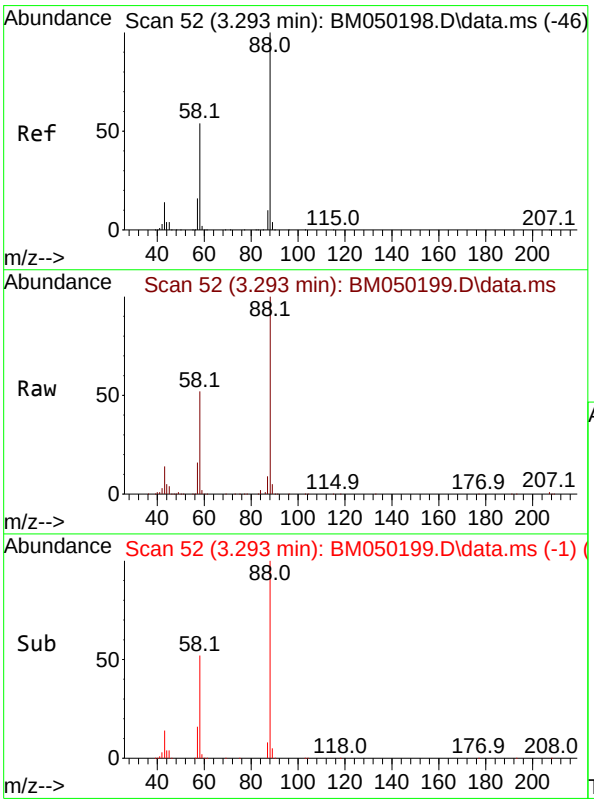
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 291057

Ion	Ratio	Lower	Upper
152	100		
150	155.1	122.2	183.4
115	59.5	46.3	69.5

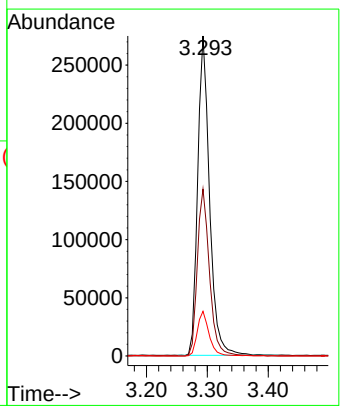


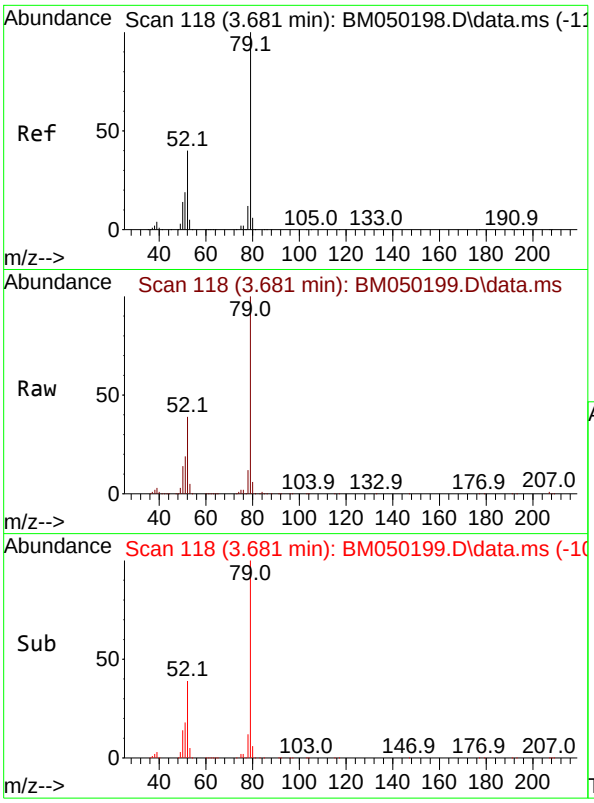


#2
1,4-Dioxane
Concen: 48.638 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 88 Resp: 371991

Ion	Ratio	Lower	Upper
88	100		
58	53.5	42.9	64.3
43	14.0	11.0	16.6



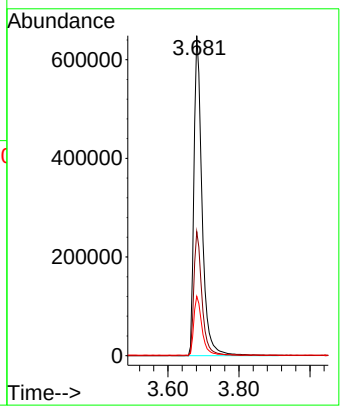


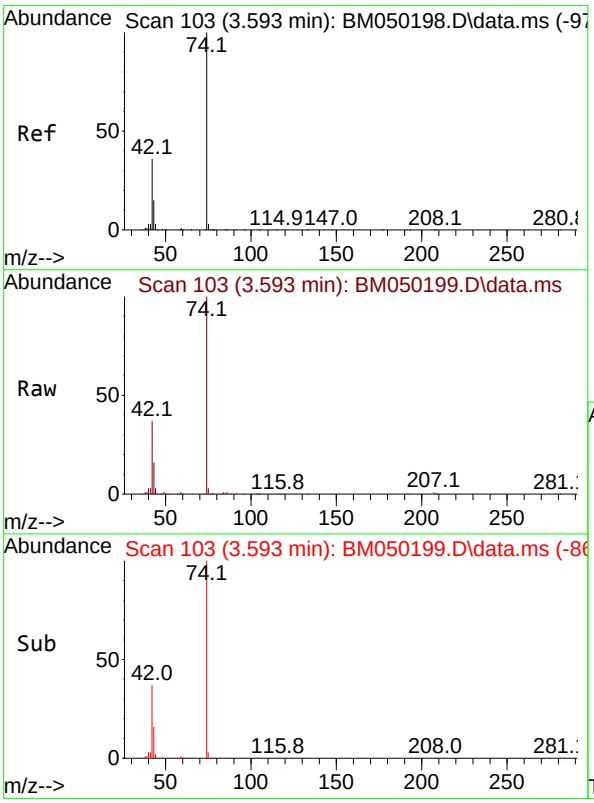
#3
Pyridine
Concen: 52.340 ng
RT: 3.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1036652

Ion	Ratio	Lower	Upper
79	100		
52	38.8	32.1	48.1
51	18.6	15.4	23.0

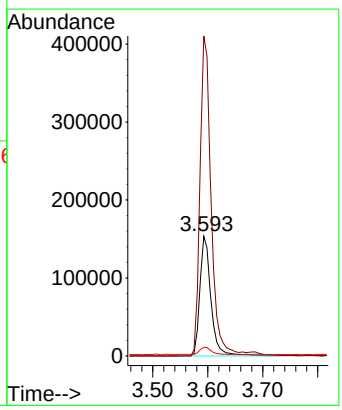


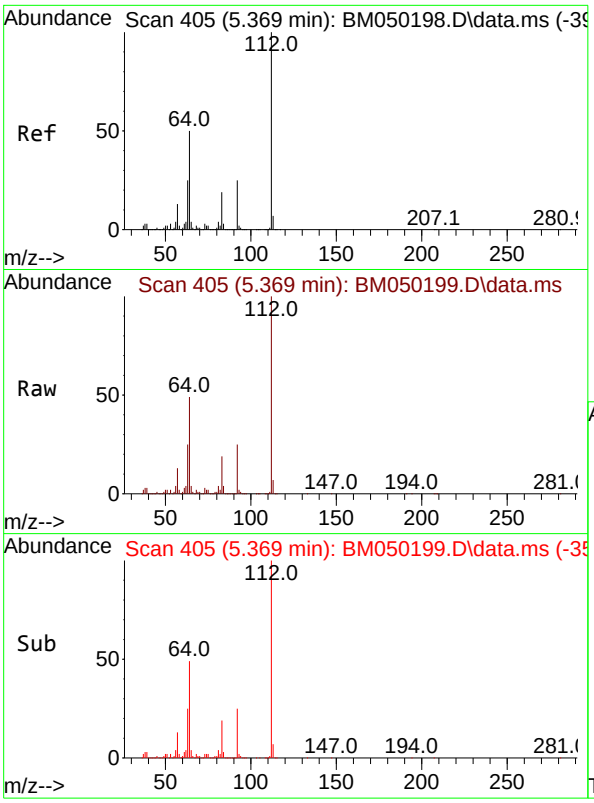


#4
n-Nitrosodimethylamine
Concen: 52.696 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 42 Resp: 215821

Ion	Ratio	Lower	Upper
42	100		
74	267.3	222.0	333.0
44	7.3	7.0	10.6



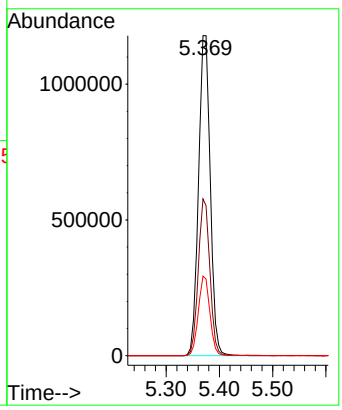


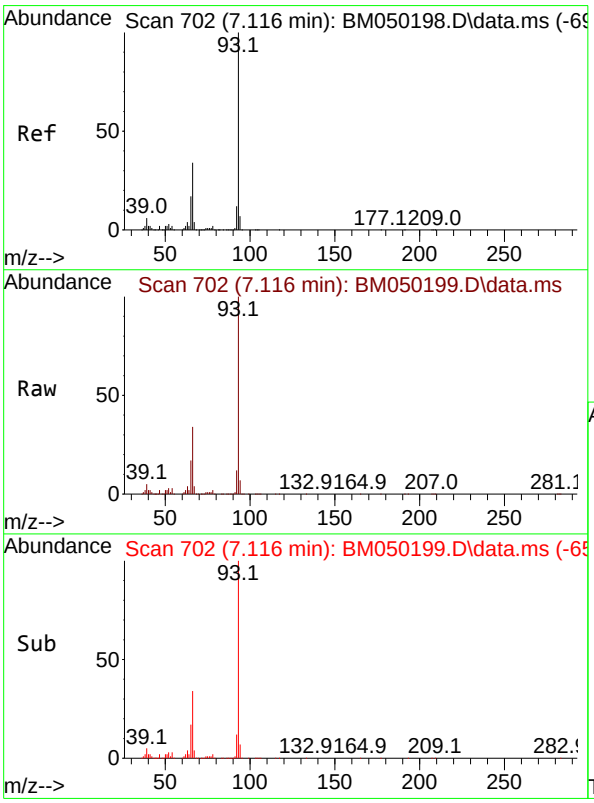
#5
2-Fluorophenol
Concen: 103.281 ng
RT: 5.369 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1802037

Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.8	59.6
63	24.9	19.8	29.8

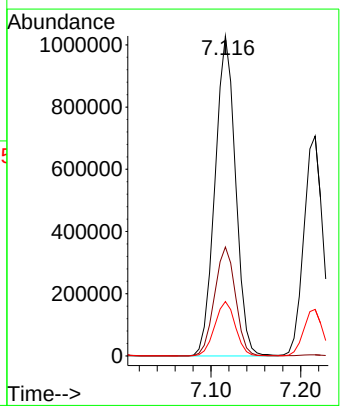


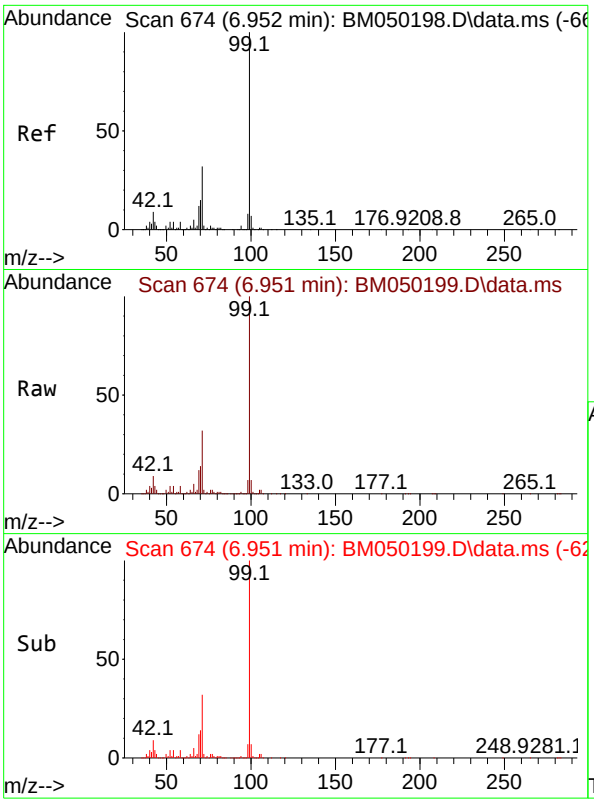


#6
Aniline
Concen: 53.917 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 93 Resp: 1637124

Ion	Ratio	Lower	Upper
93	100		
66	34.1	27.4	41.2
65	17.0	13.6	20.4



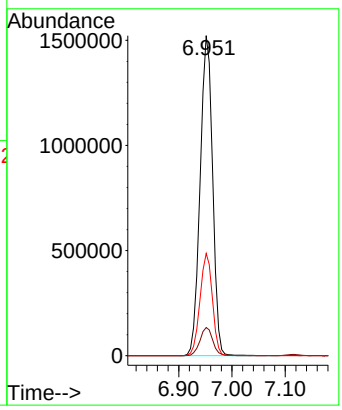


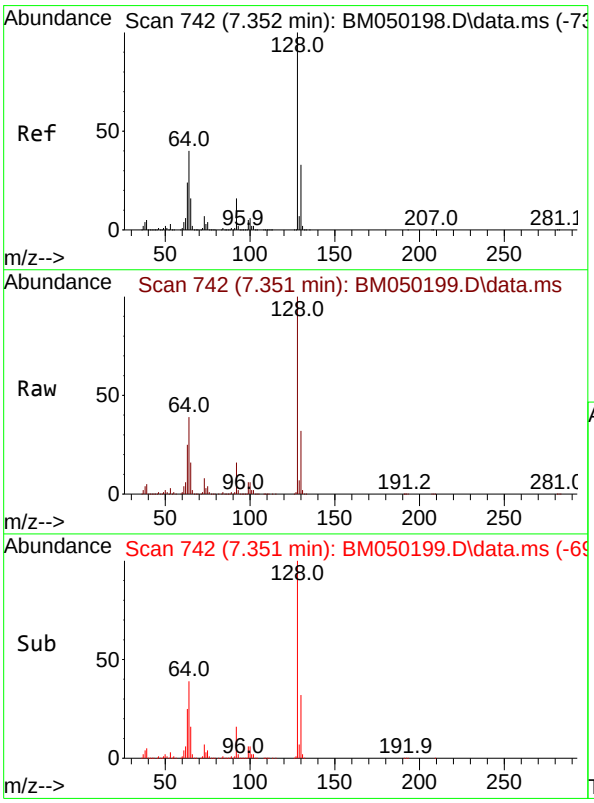
#7
Phenol-d6
Concen: 107.666 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2472934

Ion	Ratio	Lower	Upper
99	100		
42	8.8	6.9	10.3
71	32.0	25.3	37.9

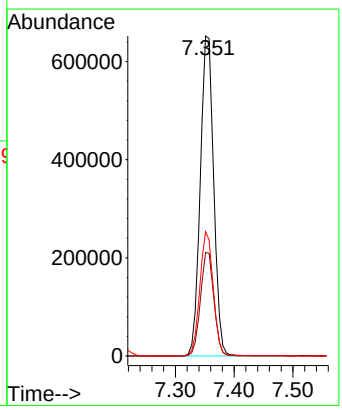


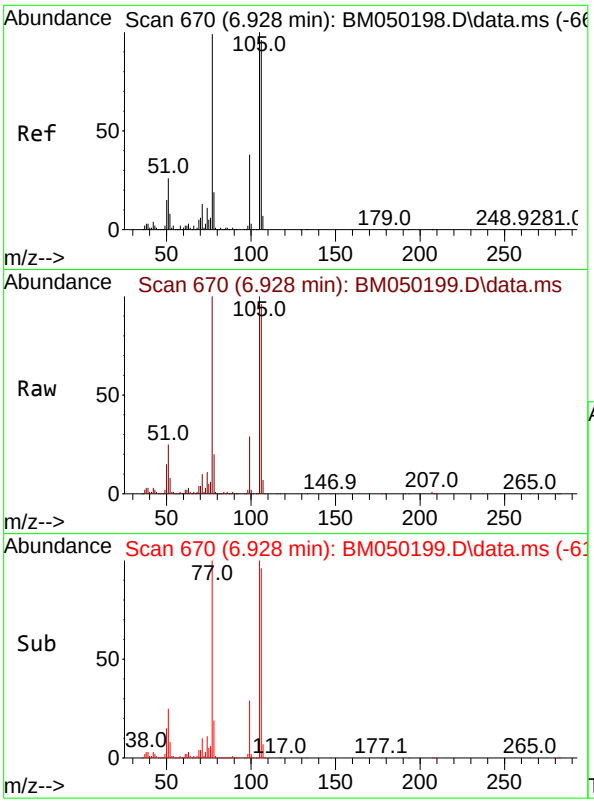


#8
2-Chlorophenol
Concen: 53.773 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:128 Resp: 1032007

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	38.8	19.8	59.8



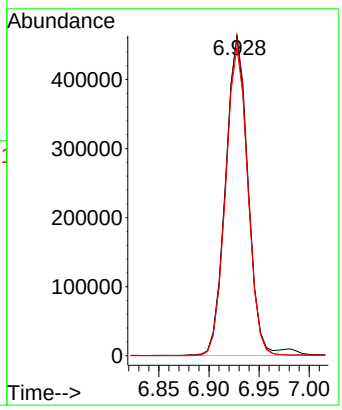


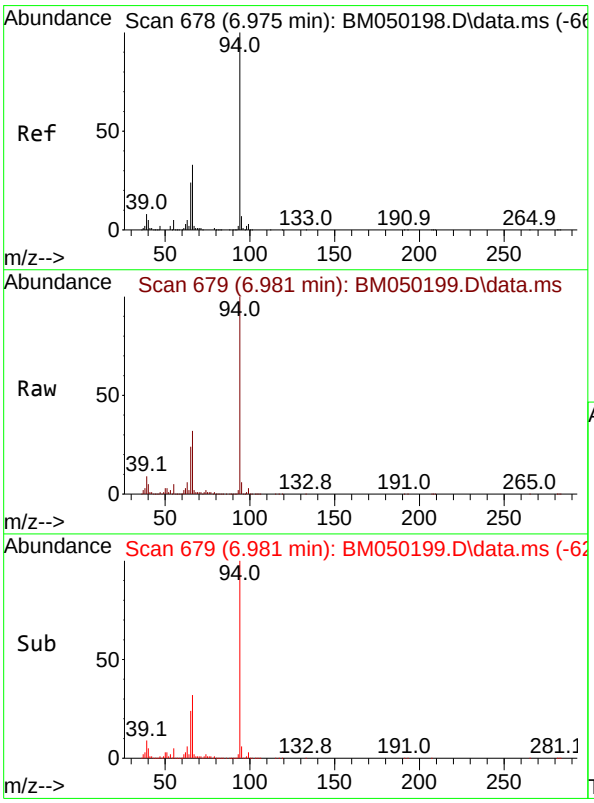
#9
Benzaldehyde
Concen: 48.594 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 709626

Ion	Ratio	Lower	Upper
77	100		
105	100.3	80.9	120.9
106	96.5	77.1	117.1

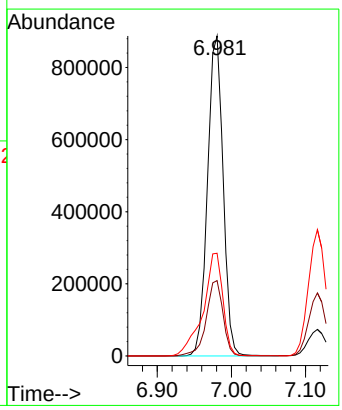


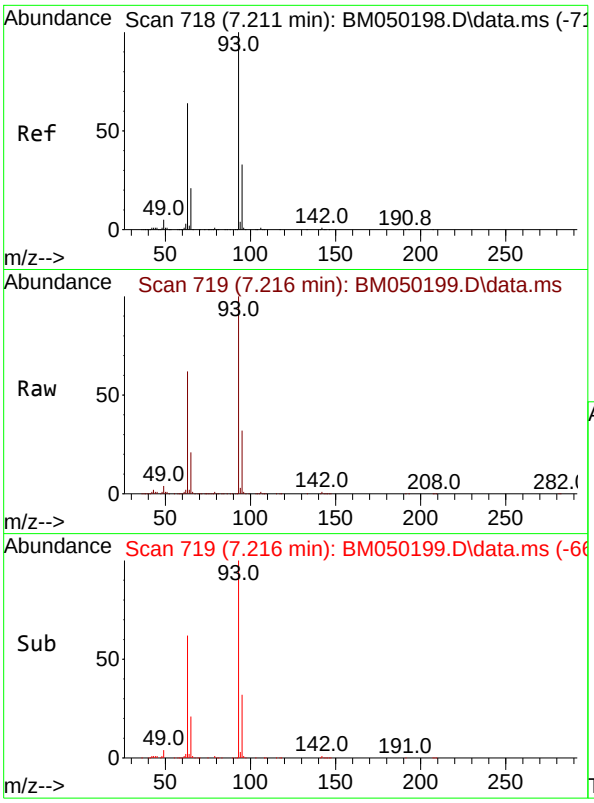


#10
Phenol
Concen: 53.347 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 94 Resp: 1296462

Ion	Ratio	Lower	Upper
94	100		
65	23.6	4.3	44.3
66	32.1	12.9	52.9



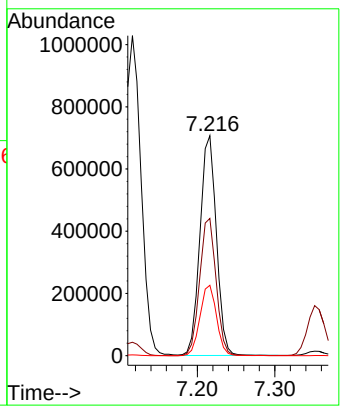


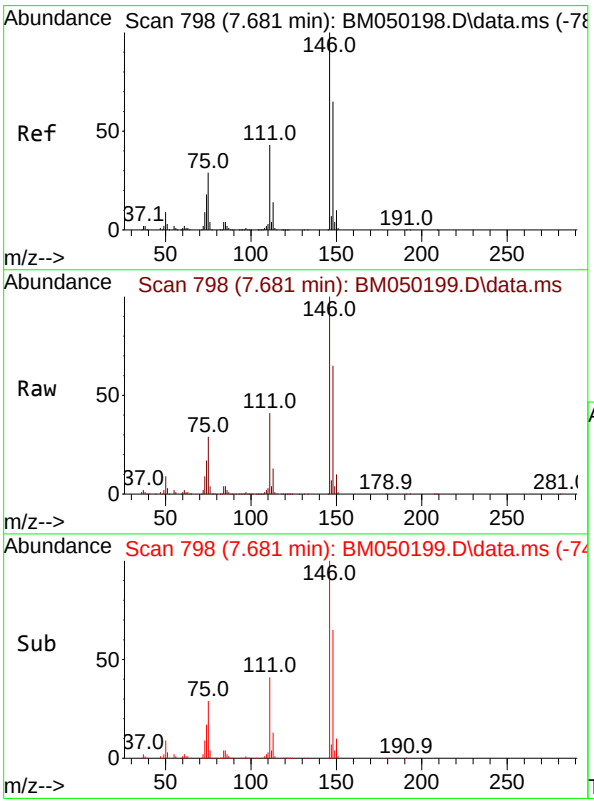
#11
bis(2-Chloroethyl)ether
Concen: 53.164 ng
RT: 7.216 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1039221

Ion	Ratio	Lower	Upper
93	100		
63	62.4	43.9	83.9
95	32.0	12.7	52.7

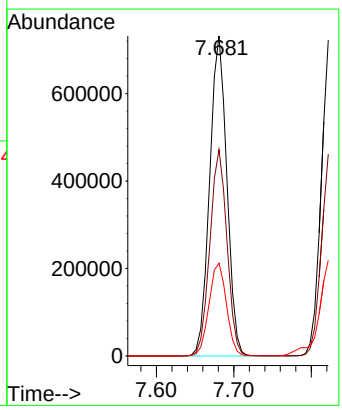


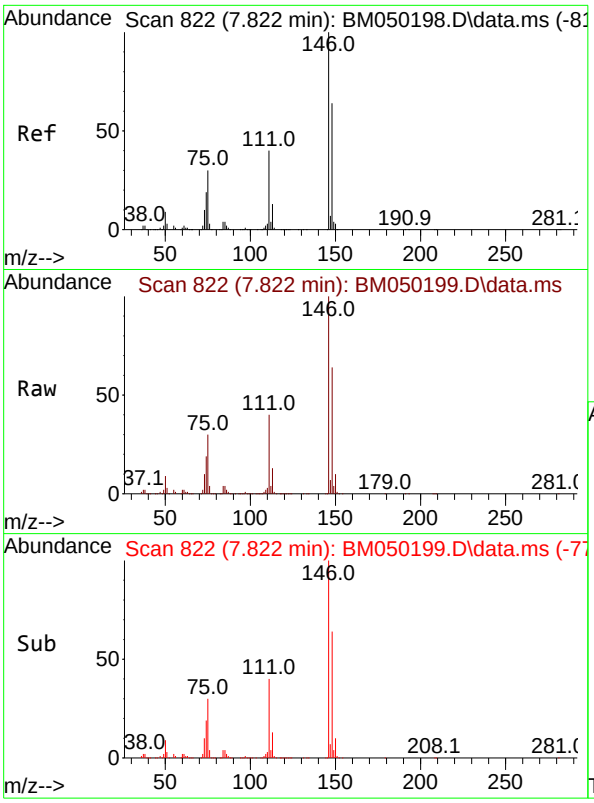


#12
1,3-Dichlorobenzene
Concen: 52.412 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:146 Resp: 1124523

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.9	77.9
75	29.0	23.4	35.0



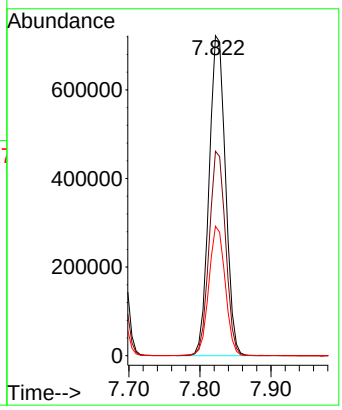


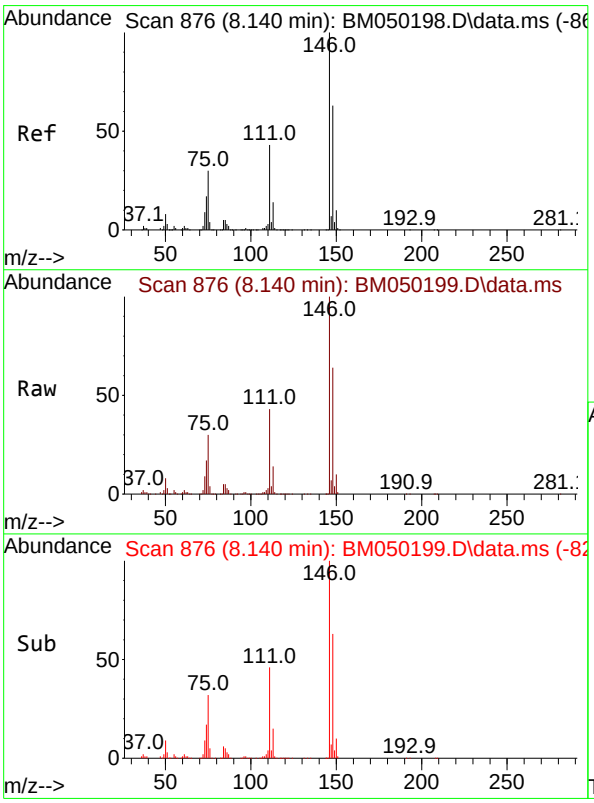
#13
1,4-Dichlorobenzene
Concen: 51.870 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1157927

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.0
111	40.5	32.3	48.5

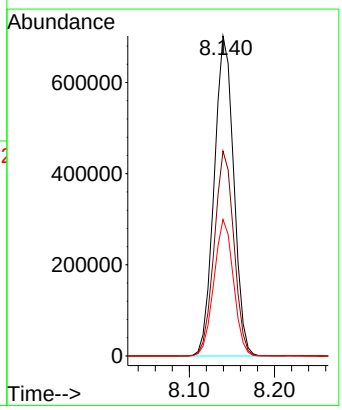


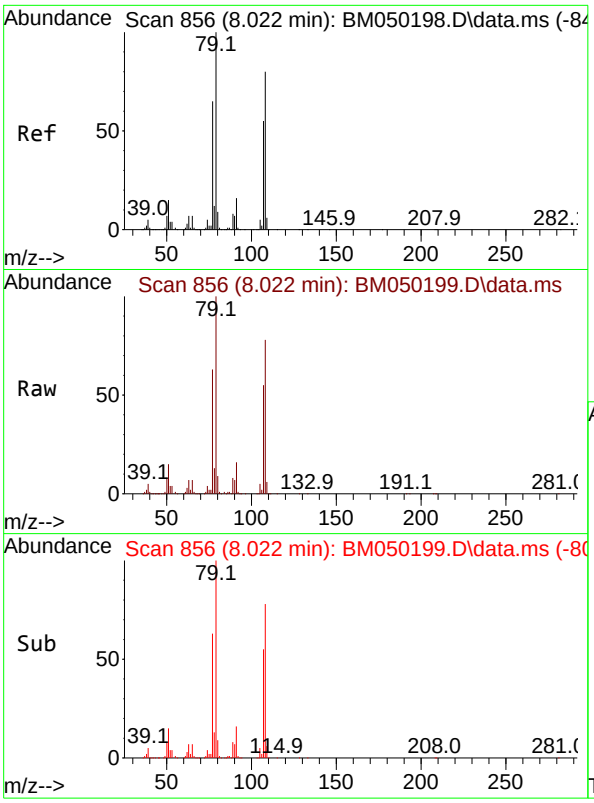


#14
1,2-Dichlorobenzene
Concen: 52.663 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:146 Resp: 1120717

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
111	42.7	34.3	51.5



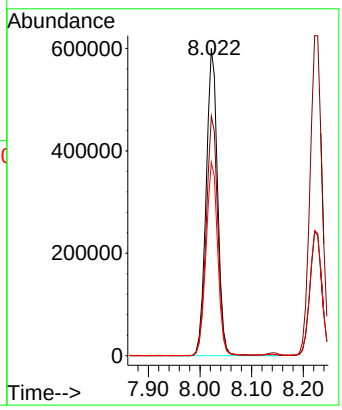


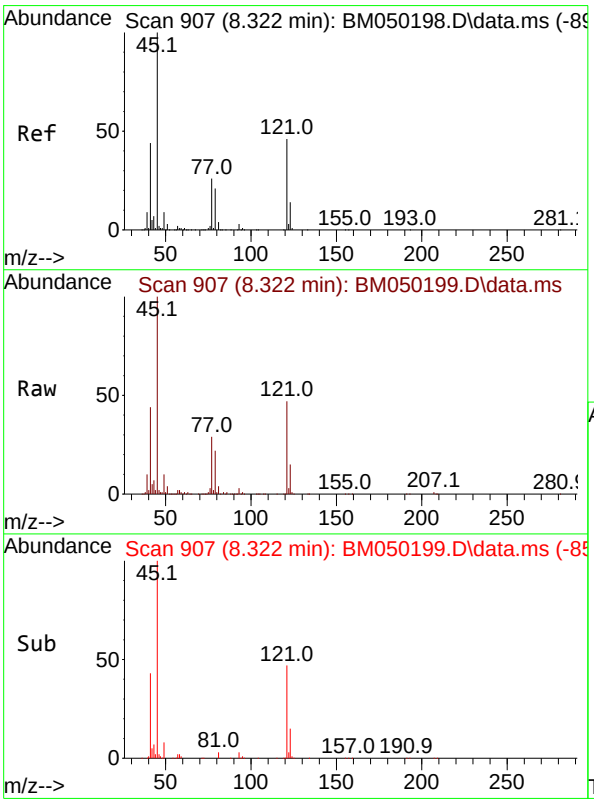
#15
Benzyl Alcohol
Concen: 56.274 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 921887

Ion	Ratio	Lower	Upper
79	100		
108	78.0	64.0	96.0
77	63.0	52.2	78.2

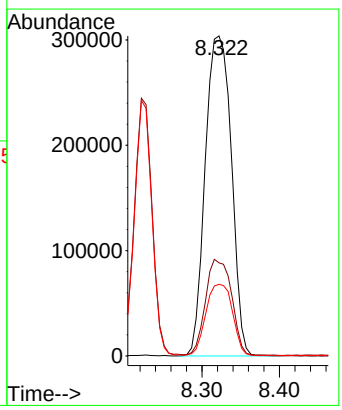


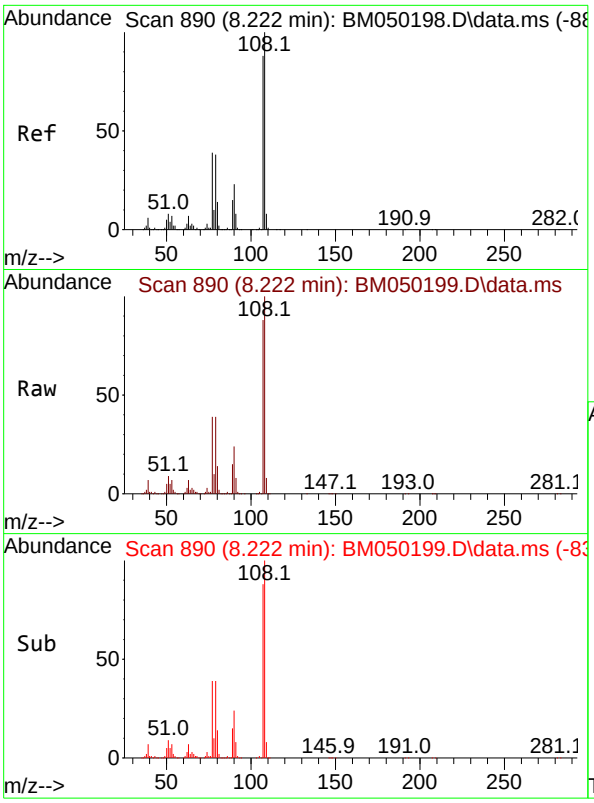


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.417 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 45 Resp: 711769

Ion	Ratio	Lower	Upper
45	100		
77	29.1	8.7	48.7
79	22.4	2.7	42.7



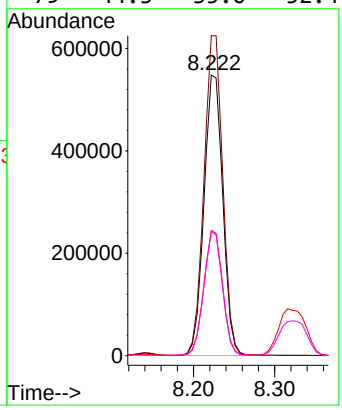


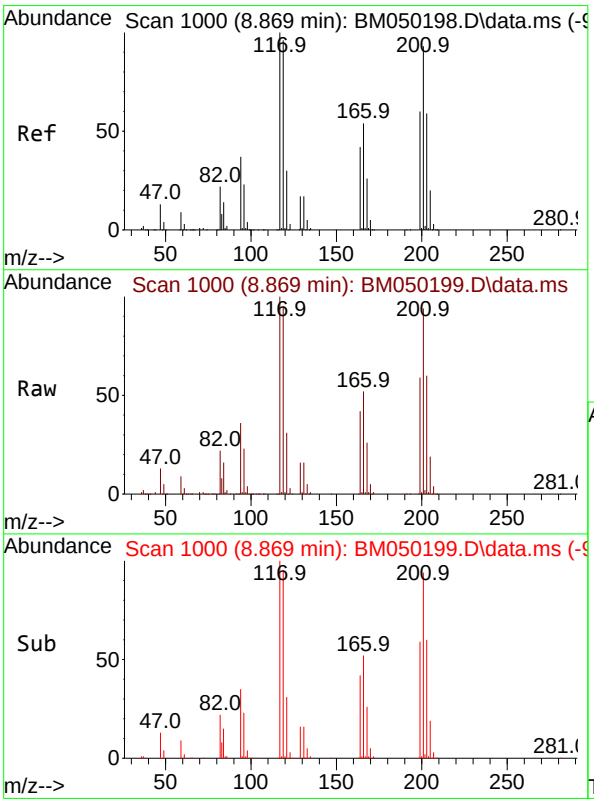
#17
2-Methylphenol
Concen: 54.767 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 878183

Ion	Ratio	Lower	Upper
107	100		
108	114.0	90.8	136.2
77	44.6	35.7	53.5
79	44.3	35.0	52.4

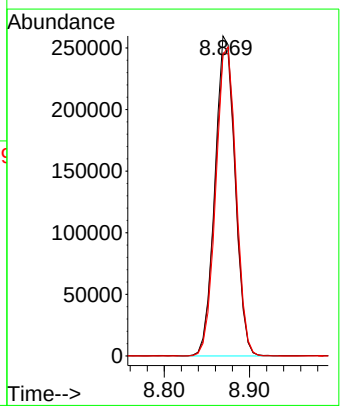


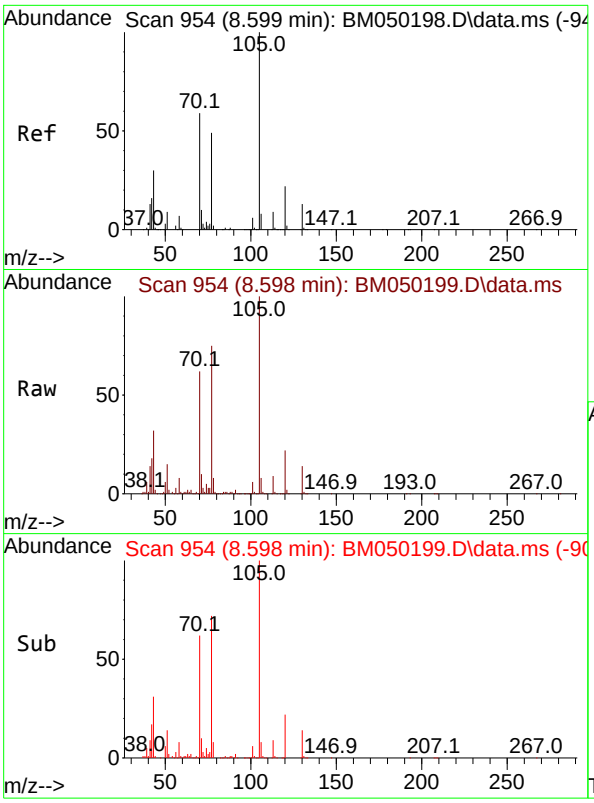


#18
Hexachloroethane
Concen: 53.371 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:117 Resp: 431469

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.6
201	94.2	74.6	111.8



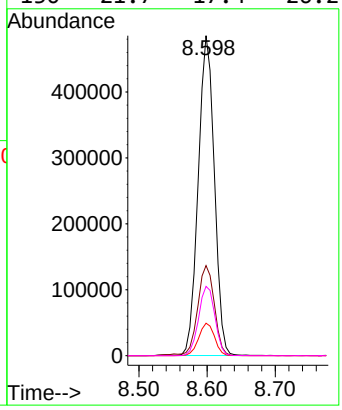


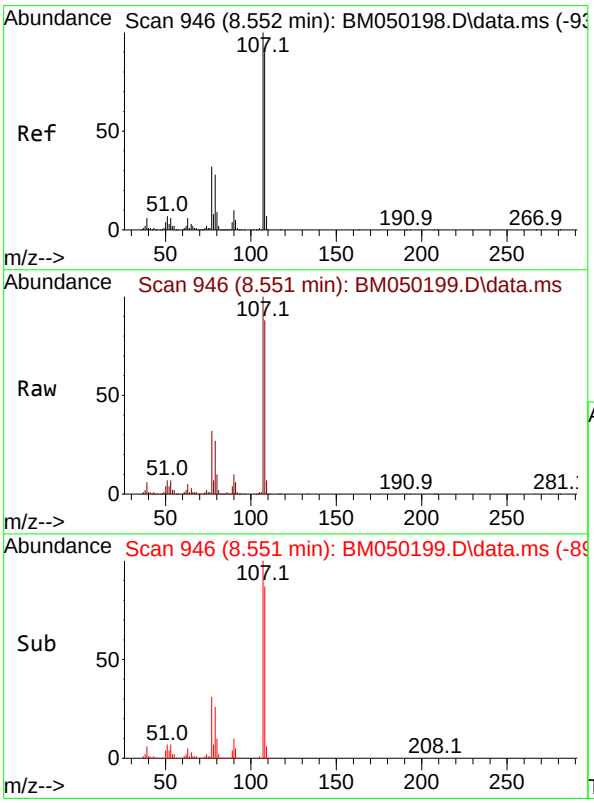
#19
n-Nitroso-di-n-propylamine
Concen: 56.751 ng
RT: 8.598 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 797673

Ion	Ratio	Lower	Upper
70	100		
42	28.2	22.6	33.8
101	10.2	8.3	12.5
130	21.7	17.4	26.2

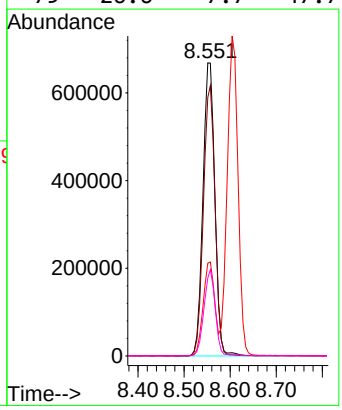


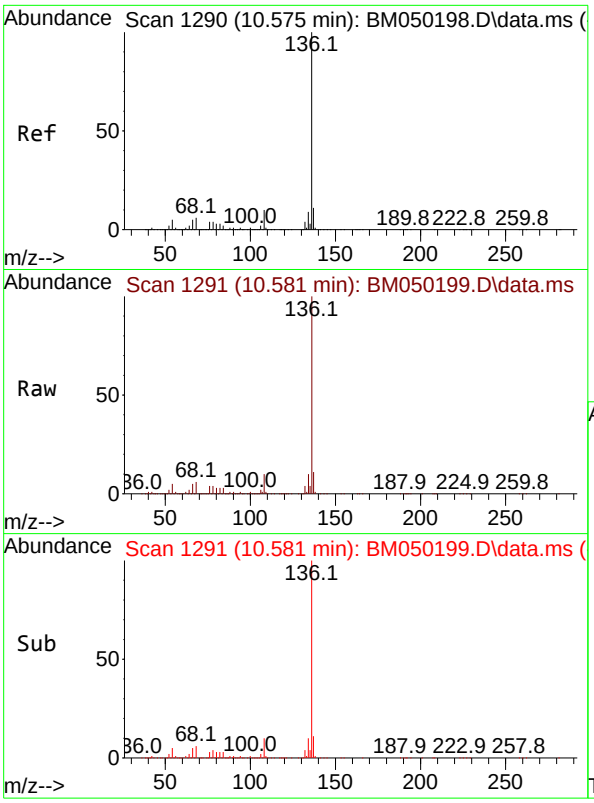


#20
3+4-Methylphenols
Concen: 56.326 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:107 Resp: 1208370

Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.4	110.4
77	31.7	12.2	52.2
79	26.6	7.7	47.7



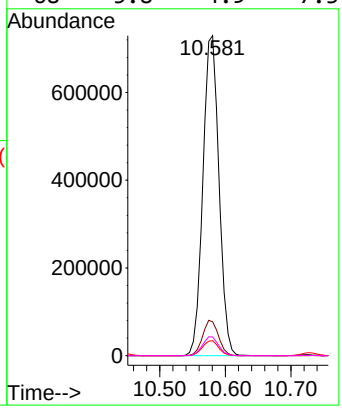


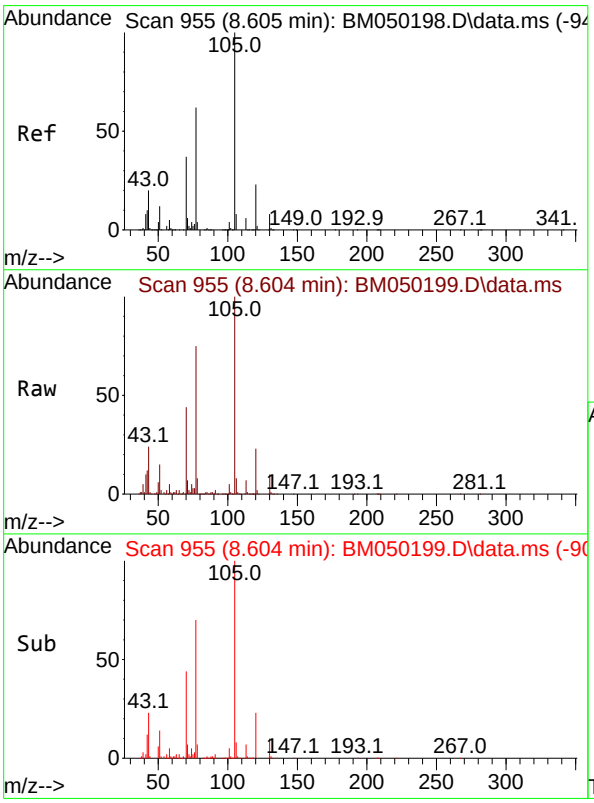
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1245308

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	4.7	3.8	5.8
68	5.8	4.9	7.3

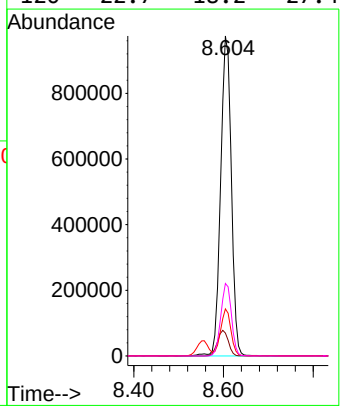


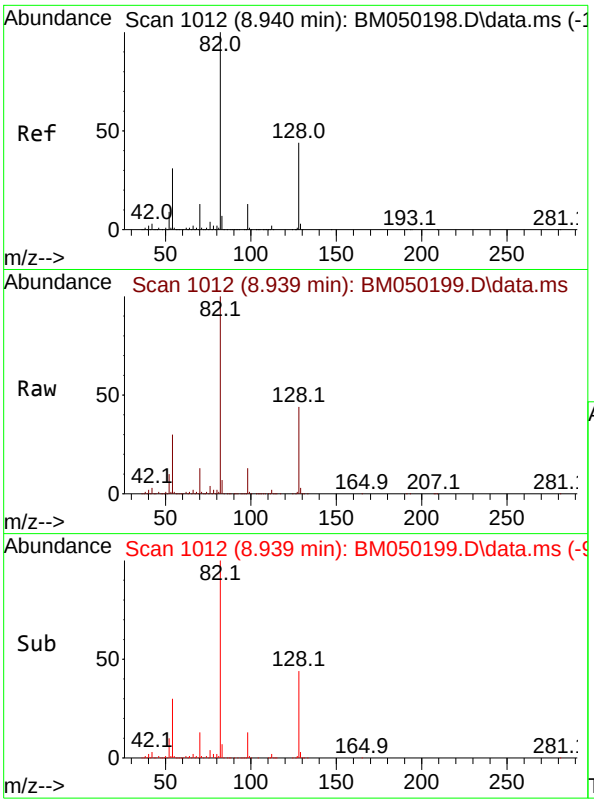


#22
Acetophenone
Concen: 51.949 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:105 Resp: 1616196

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.0	7.4
51	14.7	11.4	17.2
120	22.7	18.2	27.4



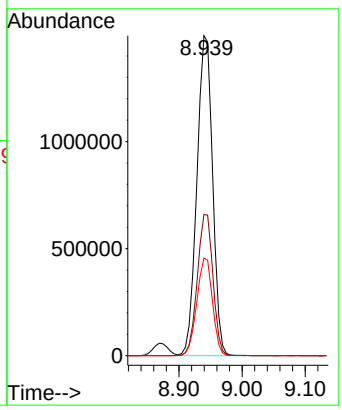


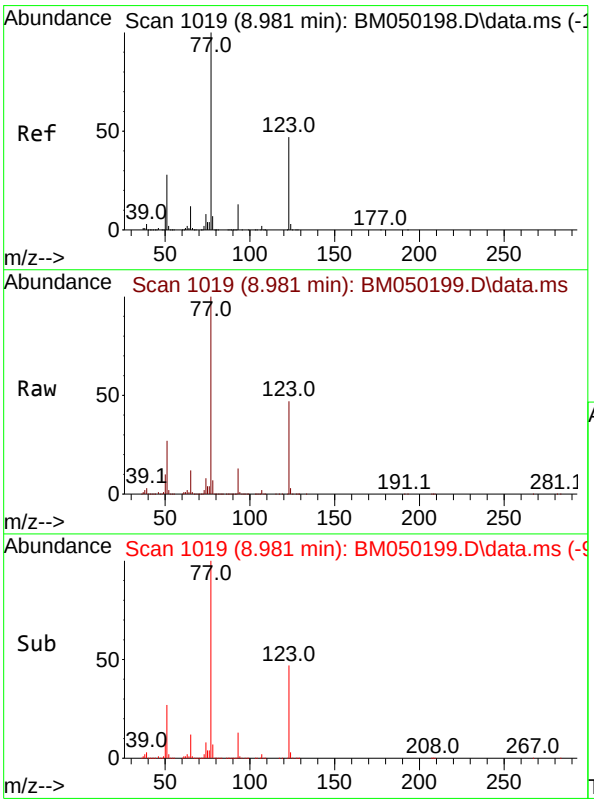
#23
Nitrobenzene-d5
Concen: 107.728 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2579483

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.2	52.8
54	30.5	24.5	36.7

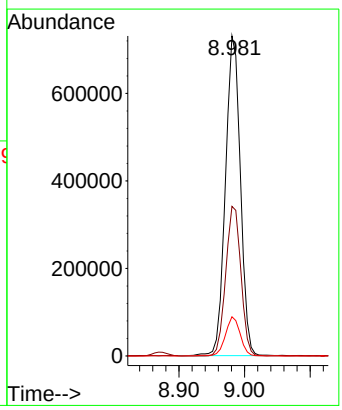


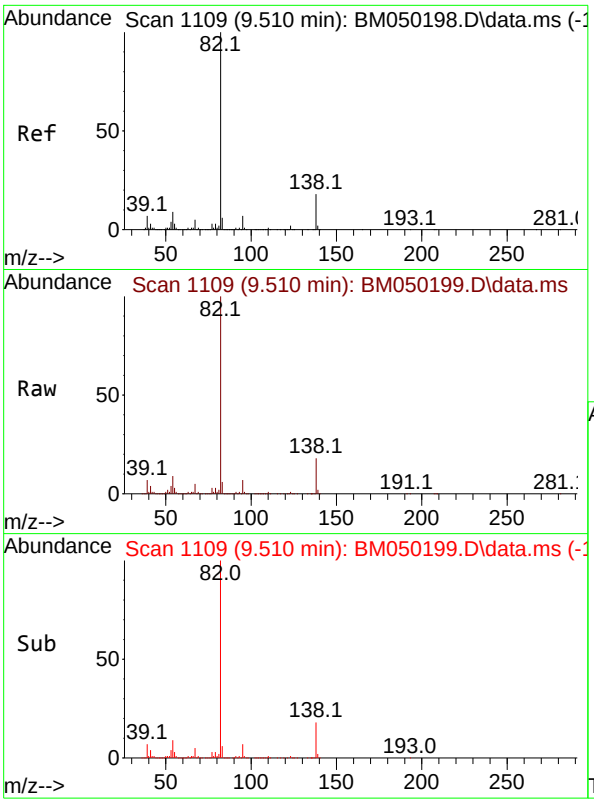


#24
Nitrobenzene
Concen: 52.895 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 77 Resp: 1151898

Ion	Ratio	Lower	Upper
77	100		
123	46.7	38.2	57.2
65	12.2	9.5	14.3



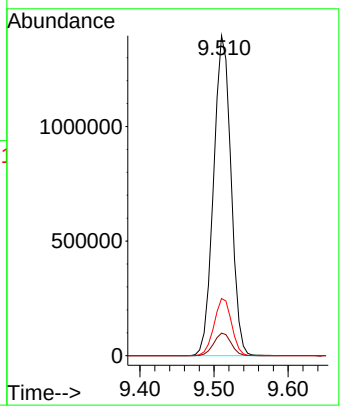


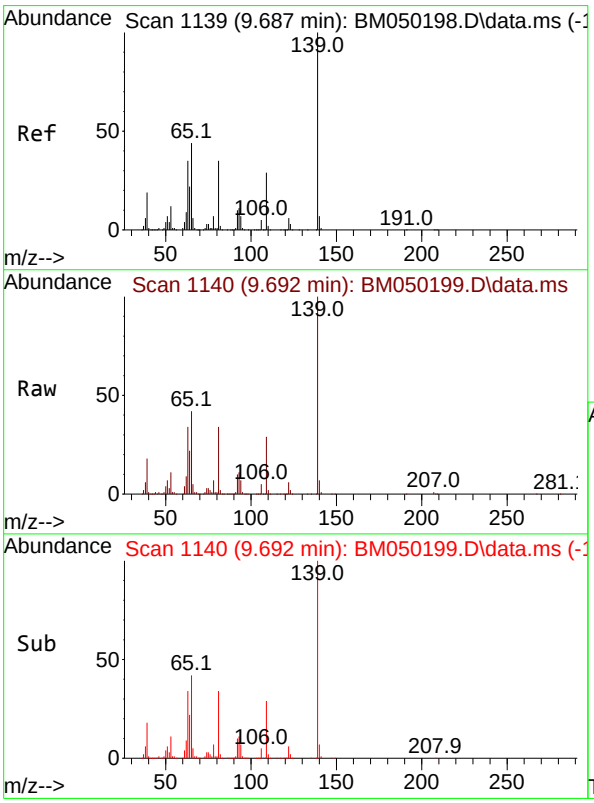
#25
Isophorone
Concen: 55.187 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2280770

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	17.8	14.2	21.2

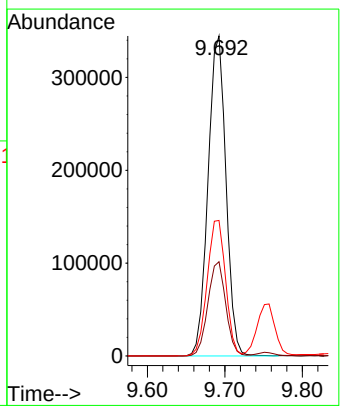


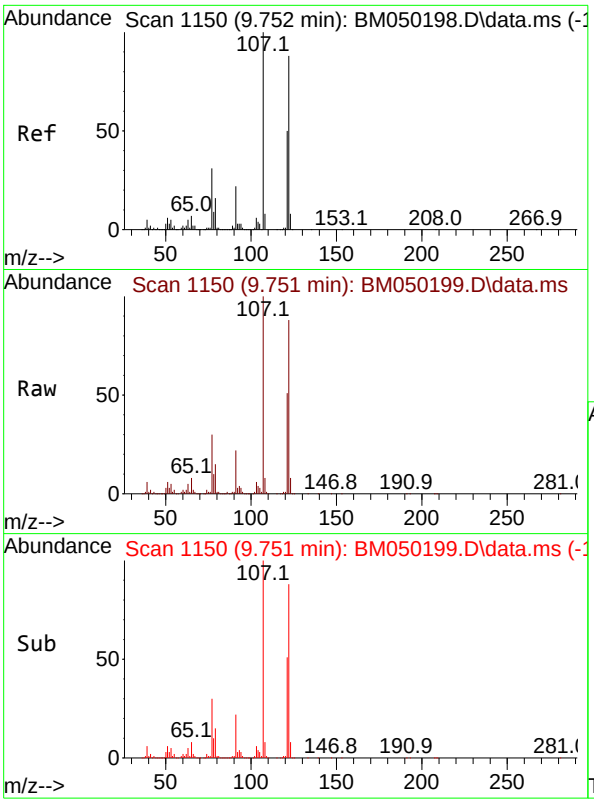


#26
2-Nitrophenol
Concen: 58.828 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:139 Resp: 552994

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.3	34.9
65	42.3	35.2	52.8



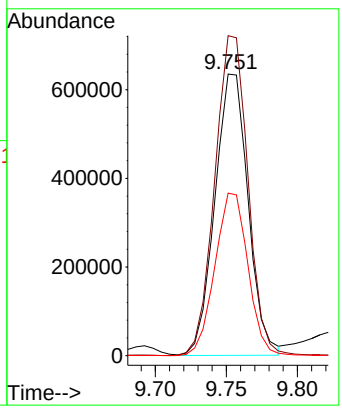


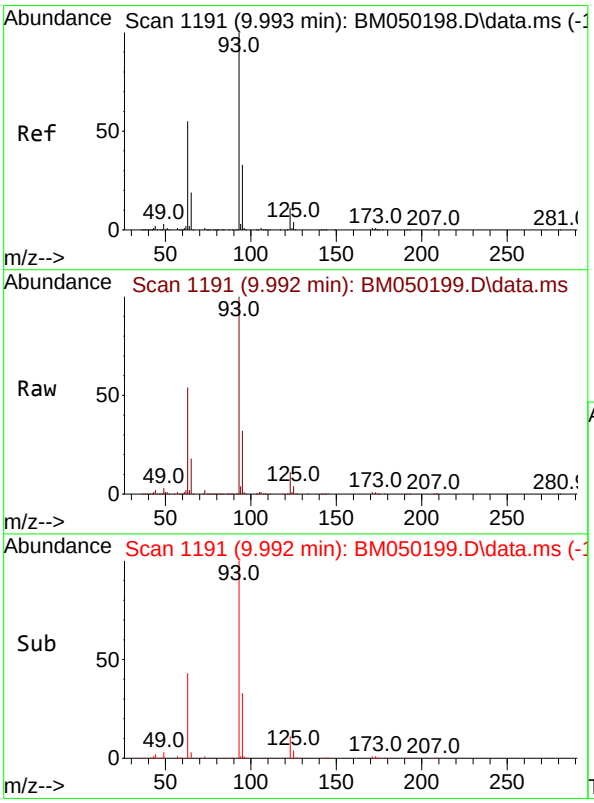
#27
2,4-Dimethylphenol
Concen: 53.511 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 1034501

Ion	Ratio	Lower	Upper
122	100		
107	113.6	91.0	136.6
121	57.7	45.8	68.6

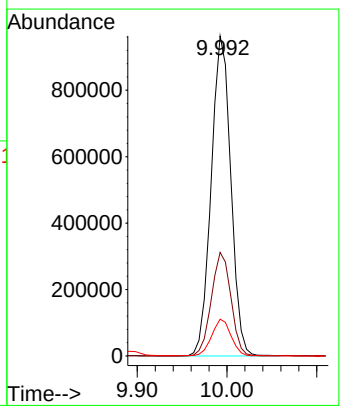


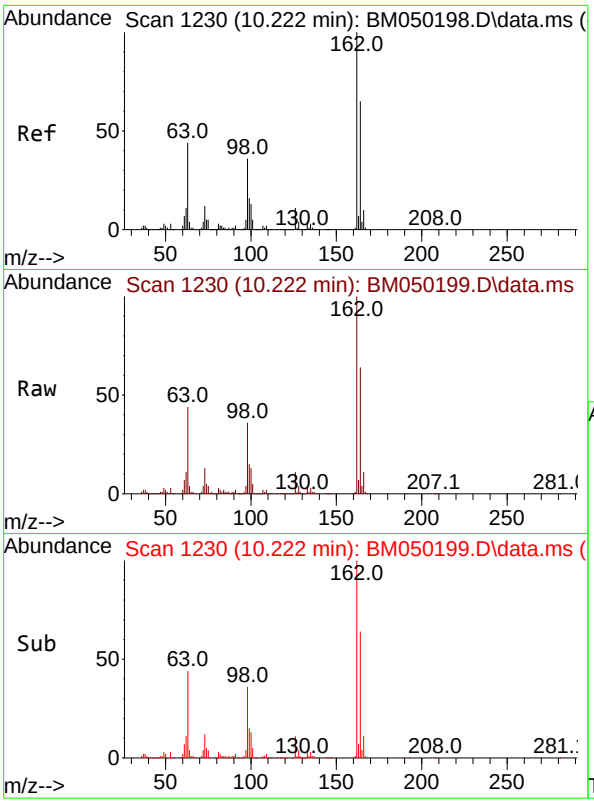


#28
bis(2-Chloroethoxy)methane
Concen: 54.208 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 93 Resp: 1463553

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.5	8.9	13.3



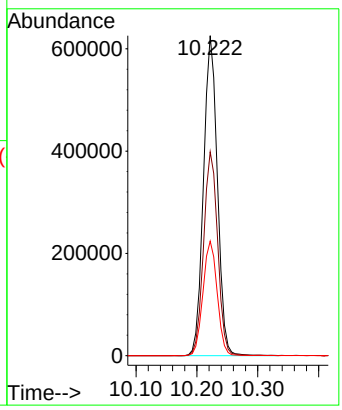


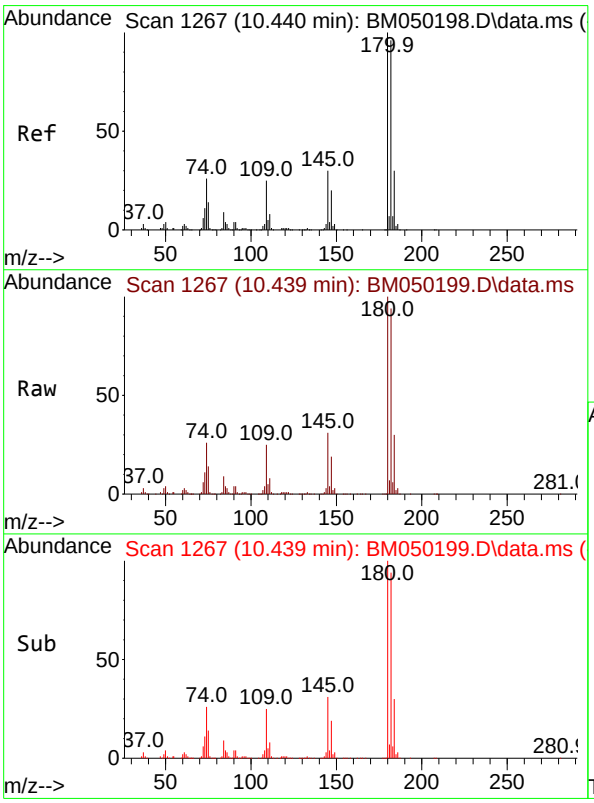
#29
2,4-Dichlorophenol
Concen: 55.499 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 991973

Ion	Ratio	Lower	Upper
162	100		
164	63.7	45.0	85.0
98	35.8	16.3	56.3

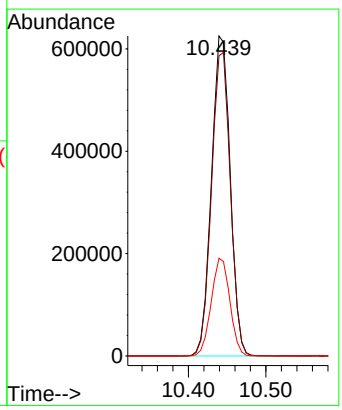


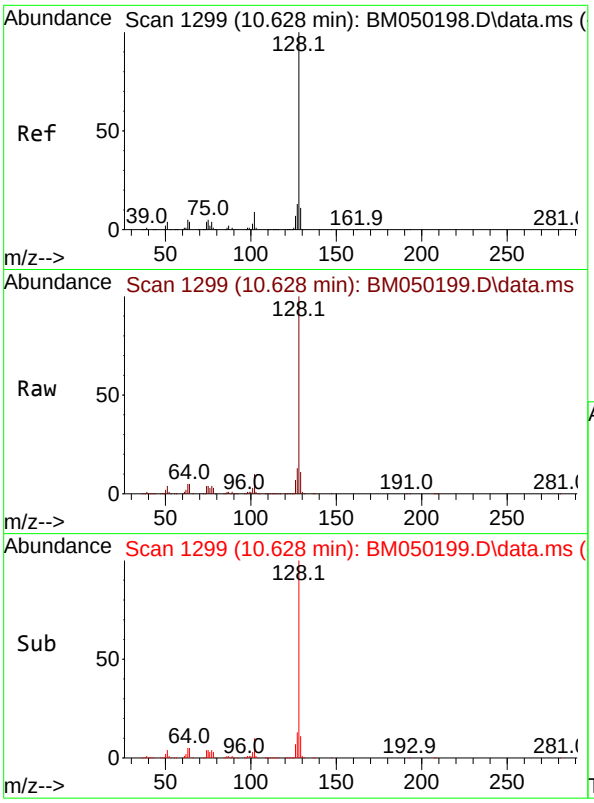


#30
1,2,4-Trichlorobenzene
Concen: 52.734 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:180 Resp: 1048864

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.6	114.8
145	30.5	24.2	36.4



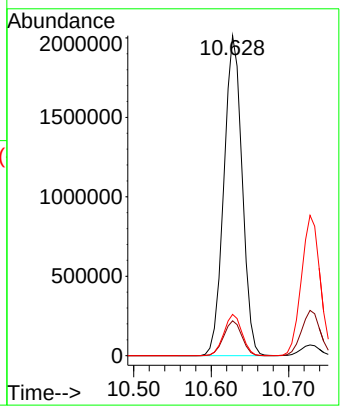


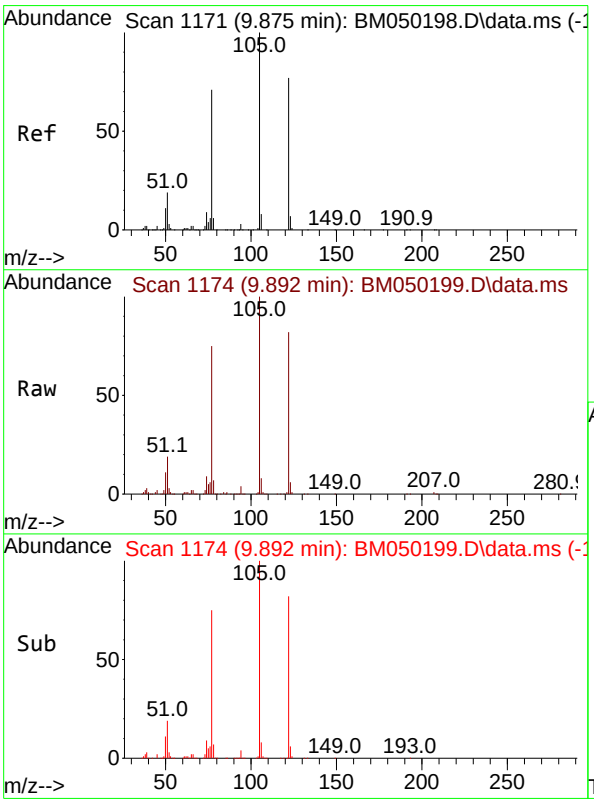
#31
Naphthalene
Concen: 51.309 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3303529

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.9	10.2	15.4

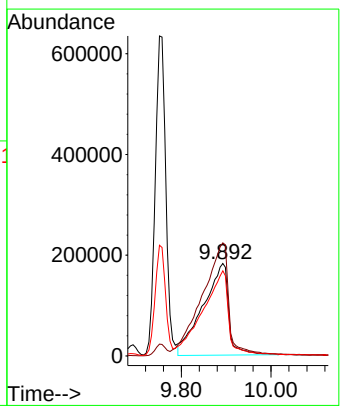


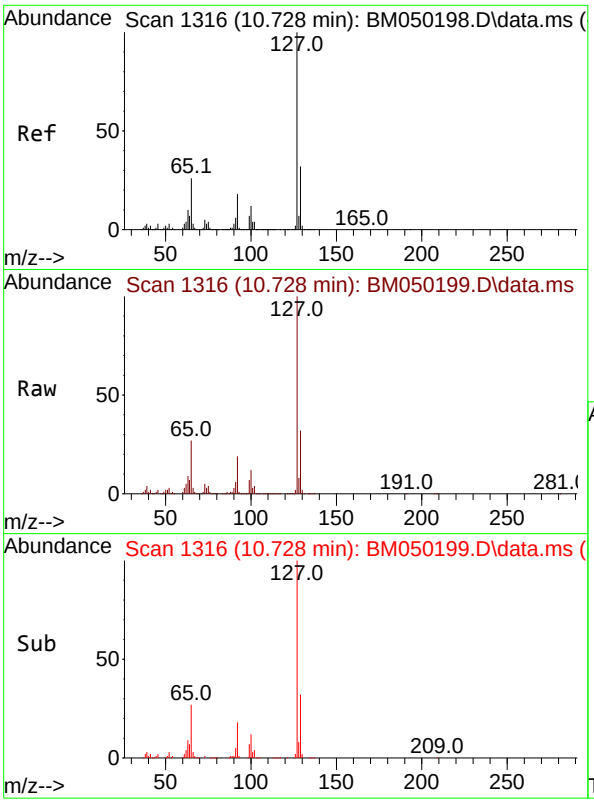


#32
Benzoic acid
Concen: 59.774 ng
RT: 9.892 min Scan# 1174
Delta R.T. 0.017 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:122 Resp: 725550

Ion	Ratio	Lower	Upper
122	100		
105	122.3	103.4	143.4
77	92.1	70.3	110.3



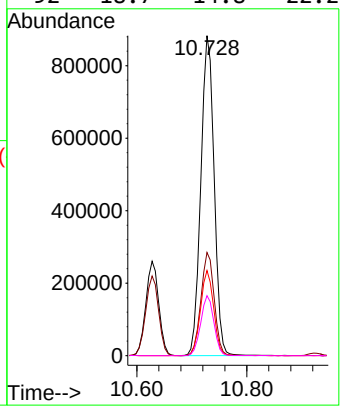


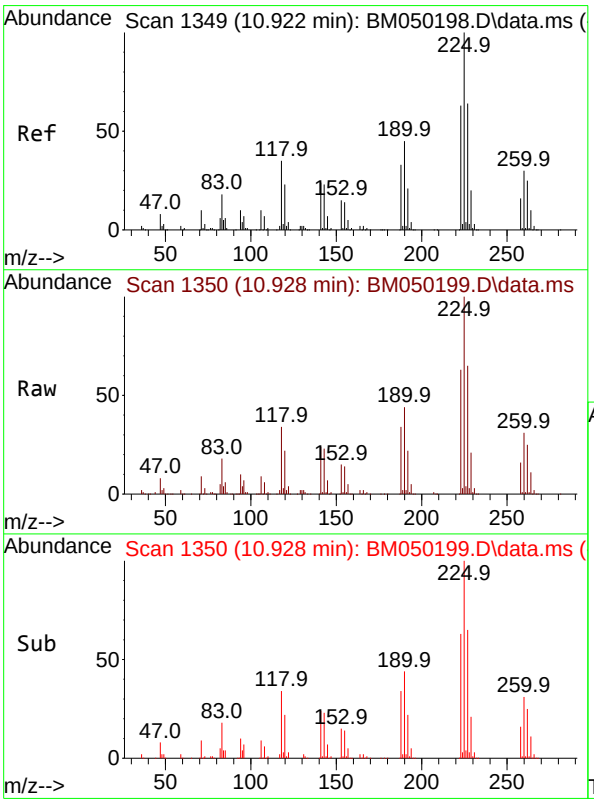
#33
4-Chloroaniline
Concen: 54.095 ng
RT: 10.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1484906

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.0
65	26.6	21.0	31.4
92	18.7	14.8	22.2

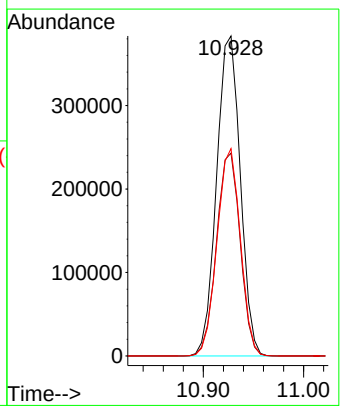


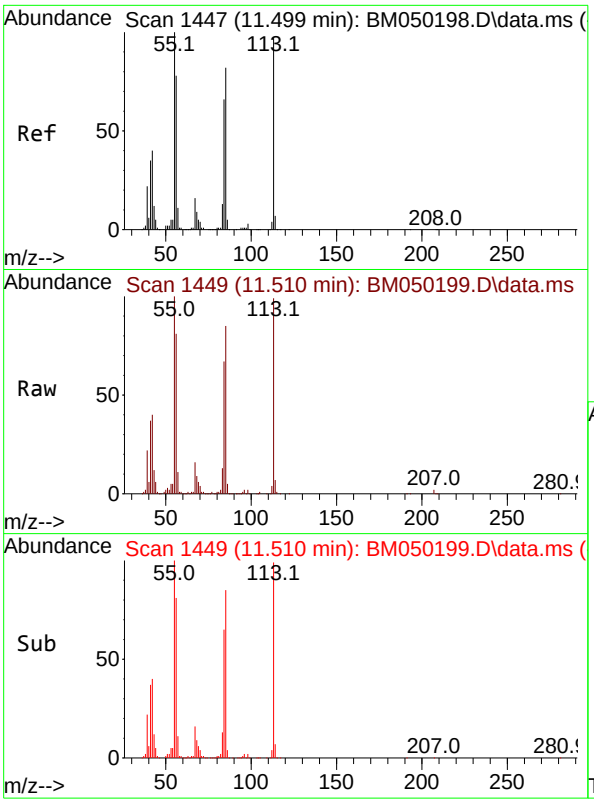


#34
Hexachlorobutadiene
Concen: 53.185 ng
RT: 10.928 min Scan# 1350
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:225 Resp: 629209

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.2
227	64.8	51.0	76.4



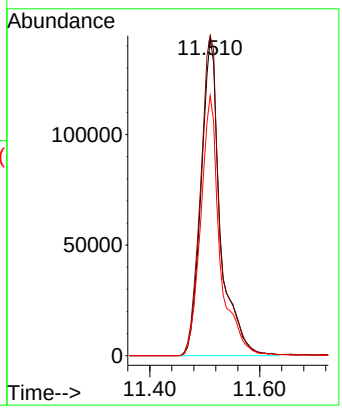


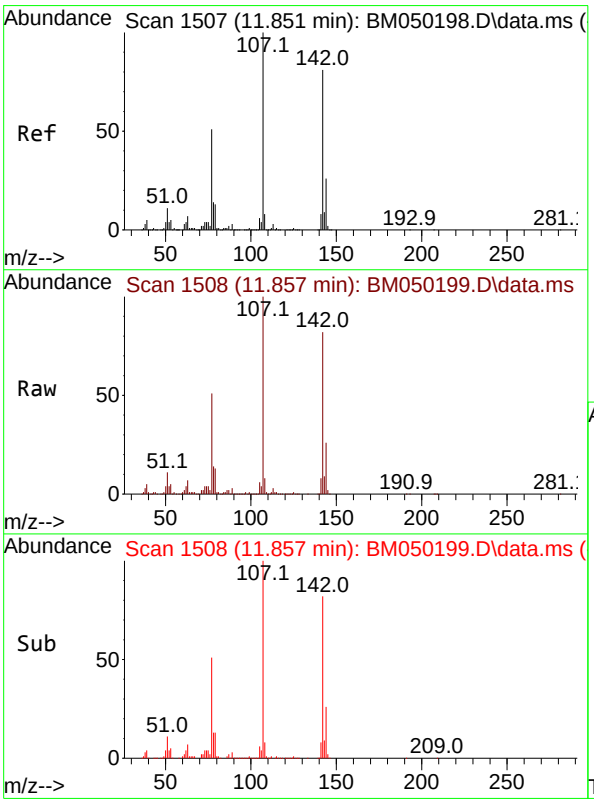
#35
Caprolactam
Concen: 61.561 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.011 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 348835

Ion	Ratio	Lower	Upper
113	100		
55	100.7	83.5	123.5
56	81.8	60.6	100.6

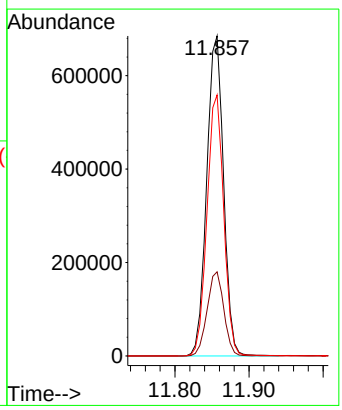


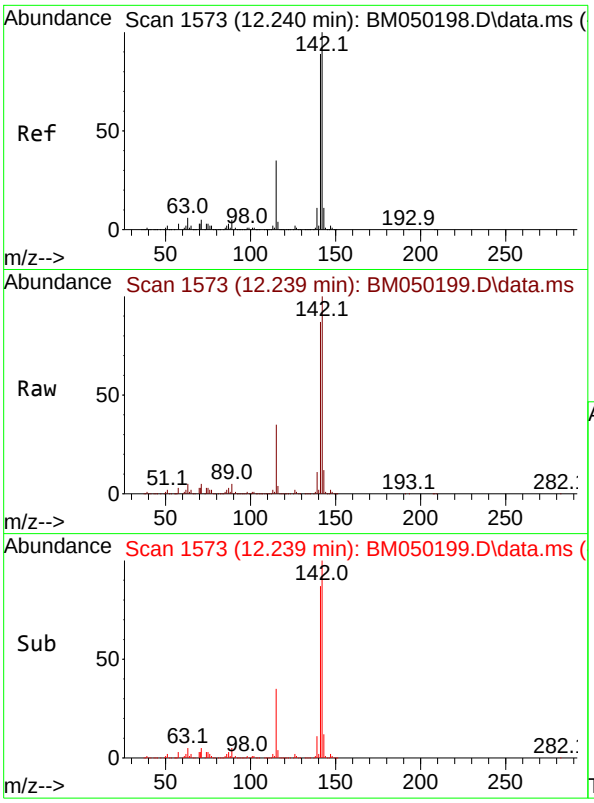


#36
4-Chloro-3-methylphenol
Concen: 56.680 ng
RT: 11.857 min Scan# 1508
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:107 Resp: 1081009

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.0	31.6
142	81.6	64.8	97.2



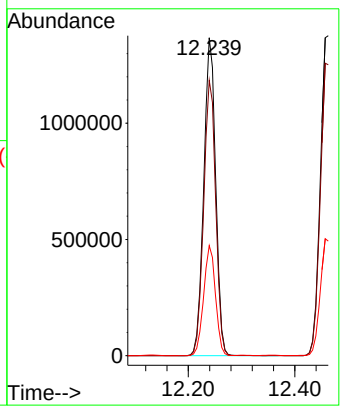


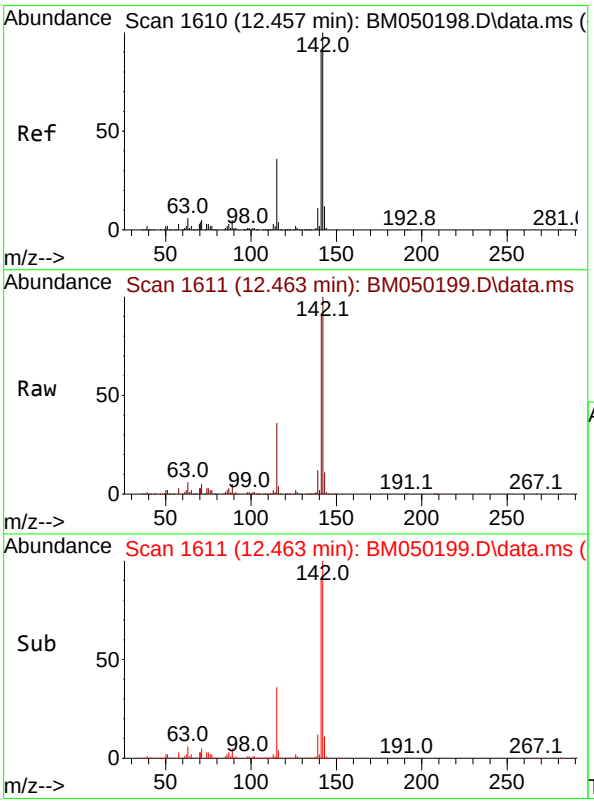
#37
2-Methylnaphthalene
Concen: 54.400 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2112994

Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.5	107.3
115	34.7	27.8	41.8

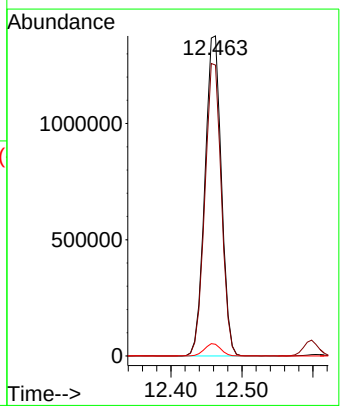


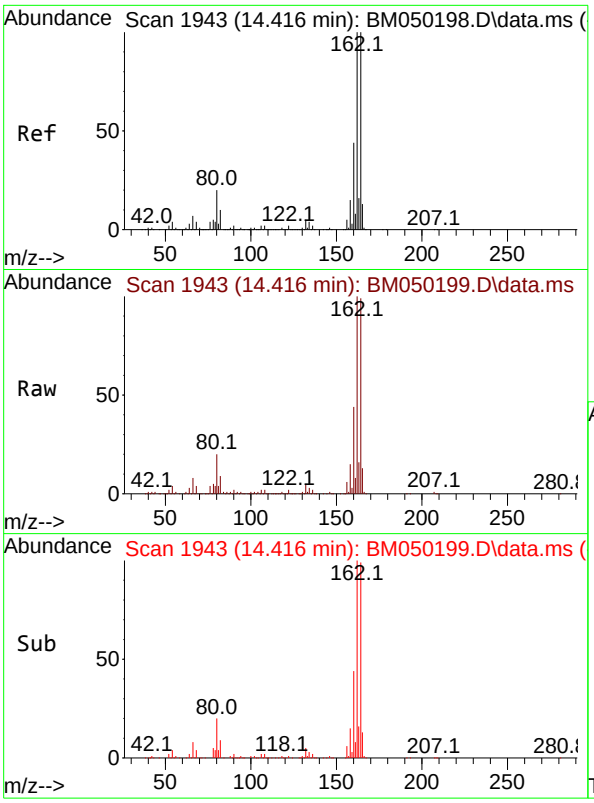


#38
1-Methylnaphthalene
Concen: 53.945 ng
RT: 12.463 min Scan# 1611
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:142 Resp: 2223932

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.9	109.3
116	3.6	3.0	4.6



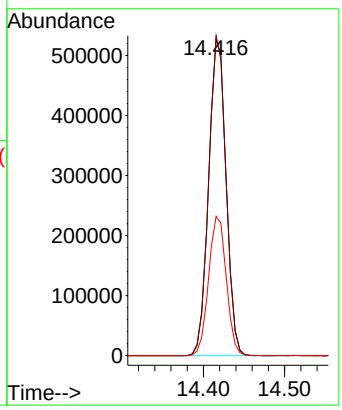


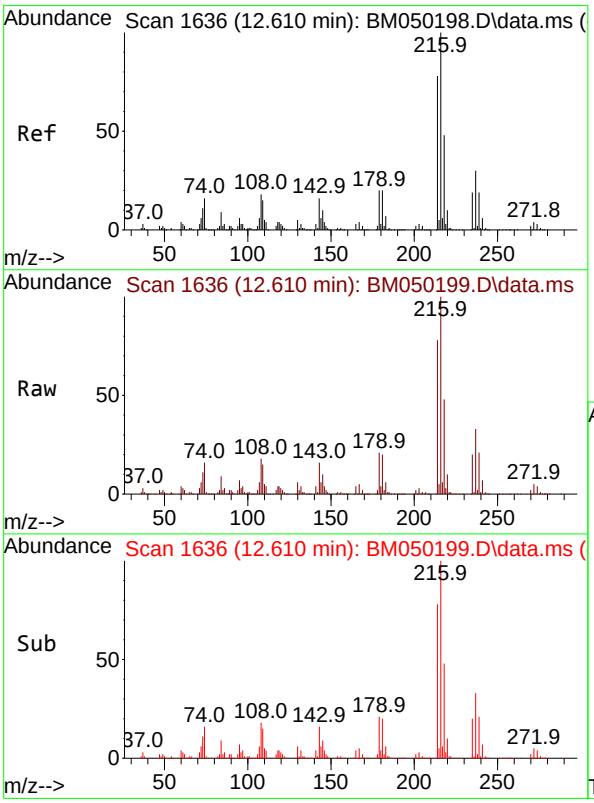
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 784298

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.4
160	44.0	35.7	53.5

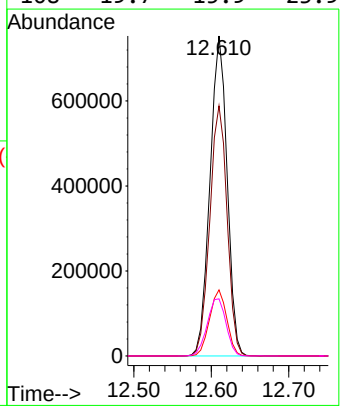


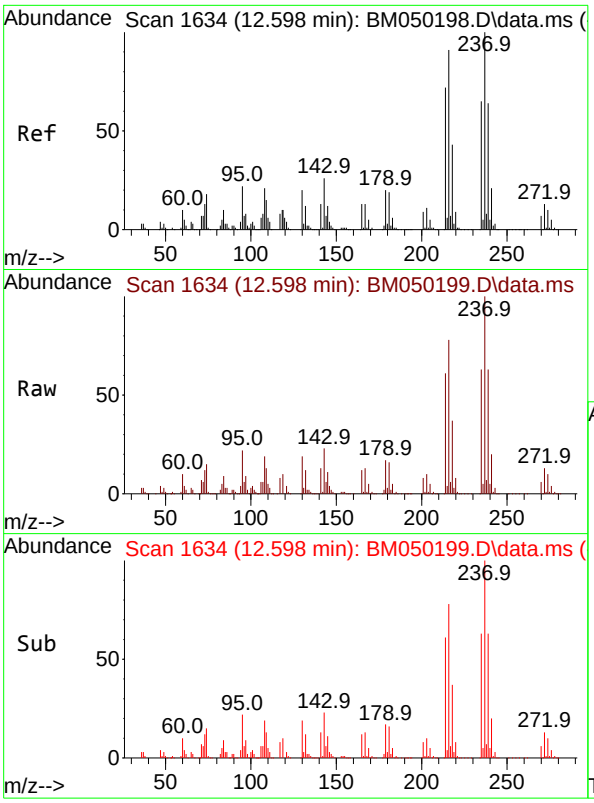


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.030 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:216 Resp: 1155693

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	20.8	16.6	25.0
108	19.7	15.9	23.9



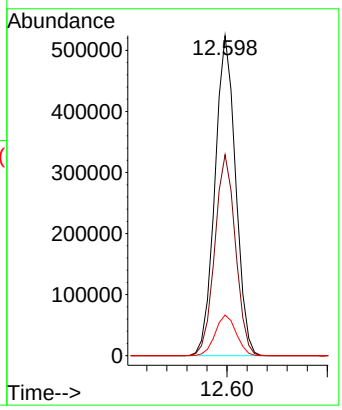


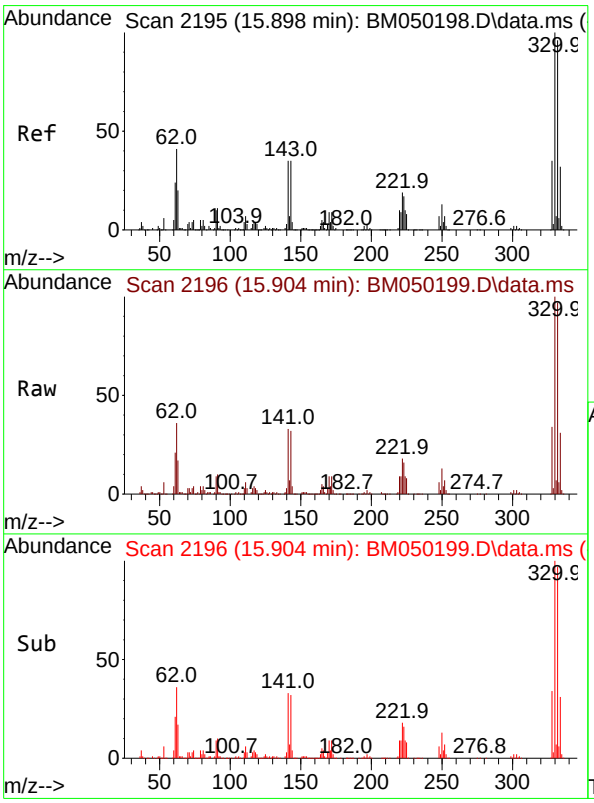
#41
Hexachlorocyclopentadiene
Concen: 54.466 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 749110

Ion	Ratio	Lower	Upper
237	100		
235	62.8	44.6	84.6
272	12.7	0.0	33.1

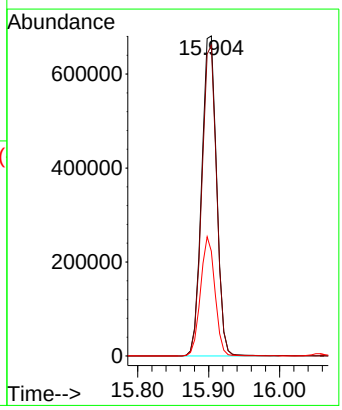


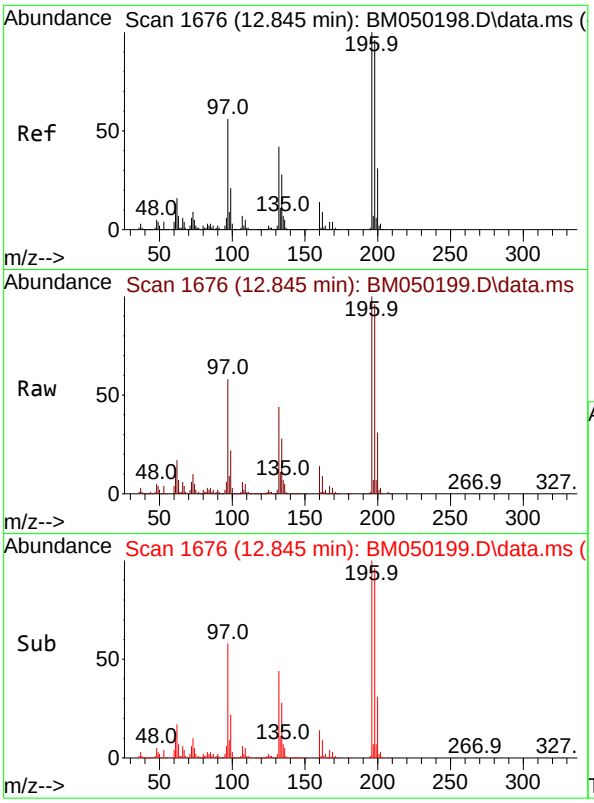


#42
2,4,6-Tribromophenol
Concen: 111.437 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:330 Resp: 994114

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	36.0	28.8	43.2



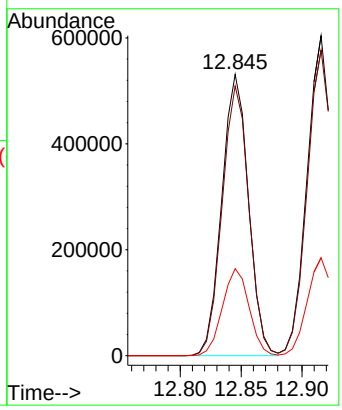


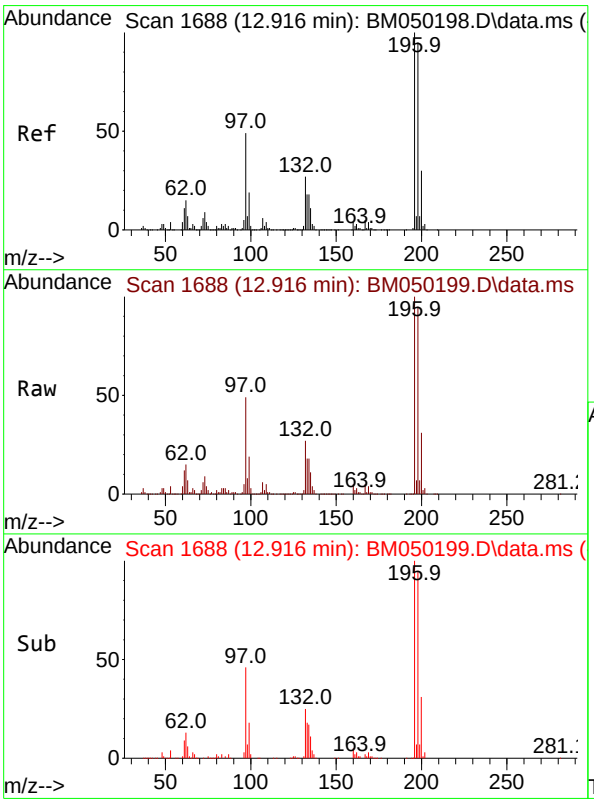
#43
2,4,6-Trichlorophenol
Concen: 54.440 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 810794

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.9	24.5	36.7

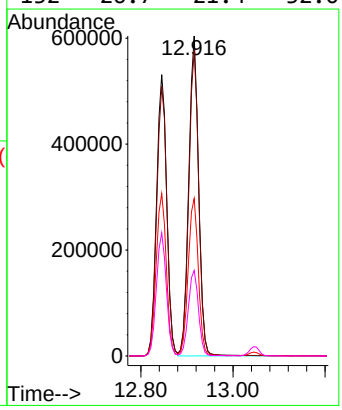


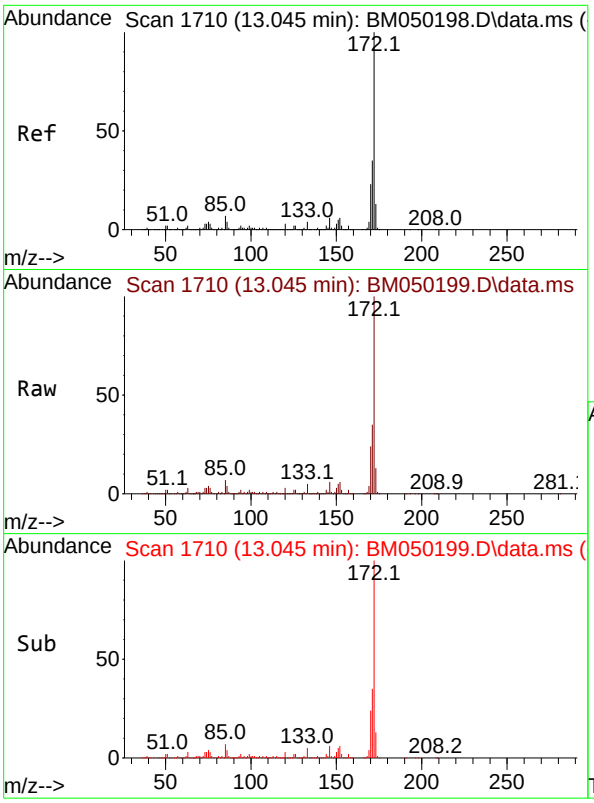


#44
2,4,5-Trichlorophenol
Concen: 54.822 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:196 Resp: 896452

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
97	49.2	39.3	58.9
132	26.7	21.4	32.0



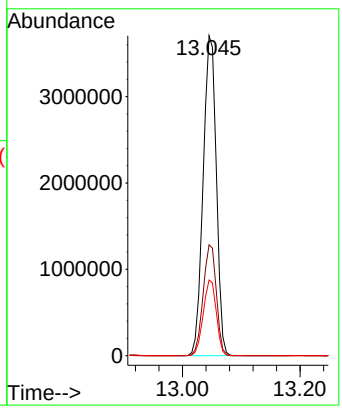


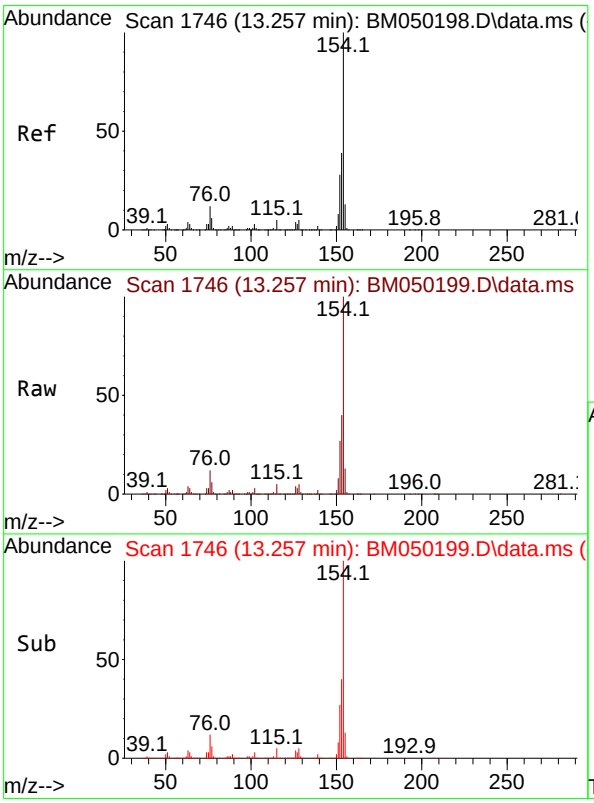
#45
2-Fluorobiphenyl
Concen: 99.064 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5738887

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.7	18.6	27.8

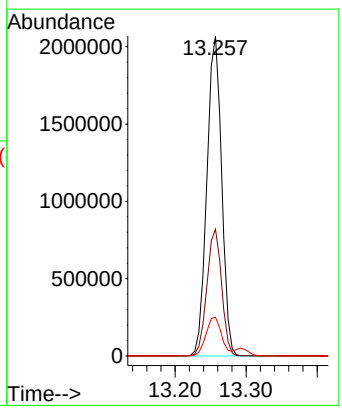


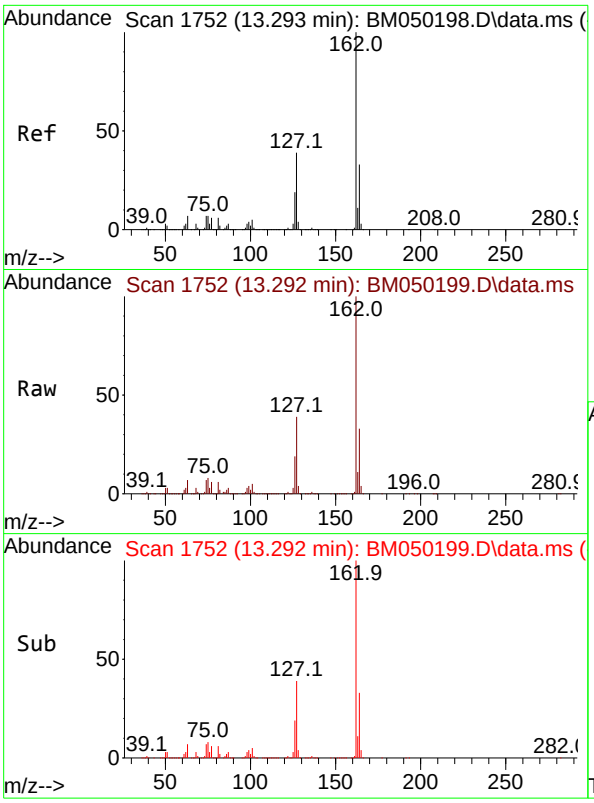


#46
1,1'-Biphenyl
Concen: 50.951 ng
RT: 13.257 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:154 Resp: 2992234

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.2	59.2
76	12.1	0.0	32.0



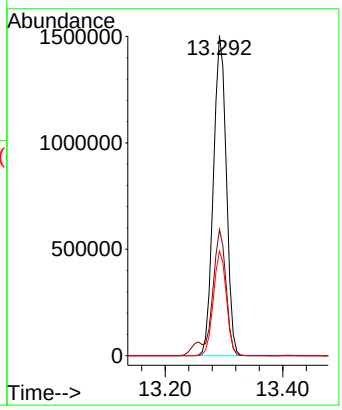


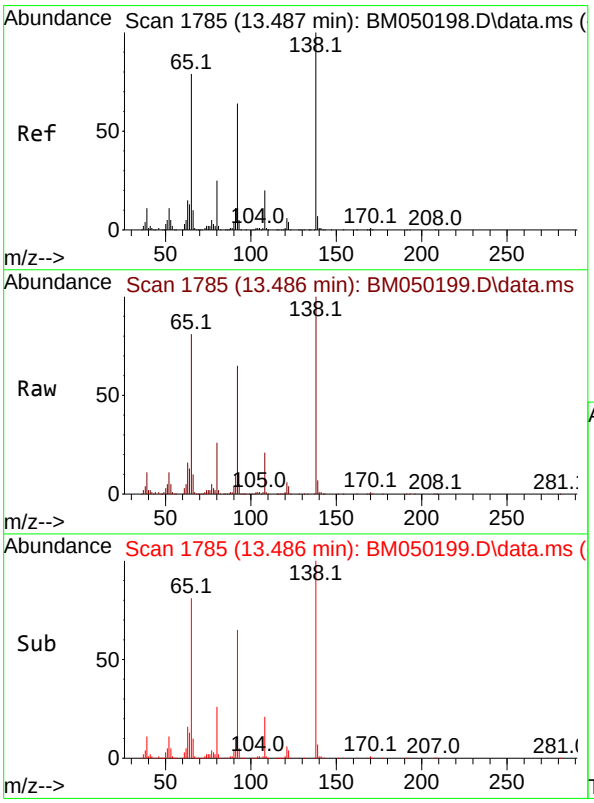
#47
2-Chloronaphthalene
Concen: 50.305 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2296762

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.1	46.7
164	32.7	26.5	39.7

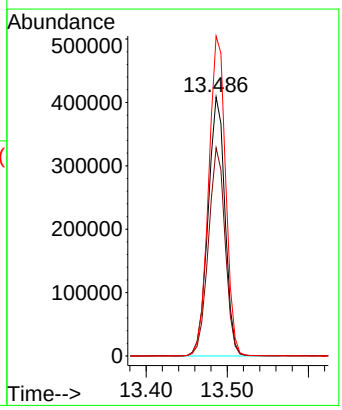


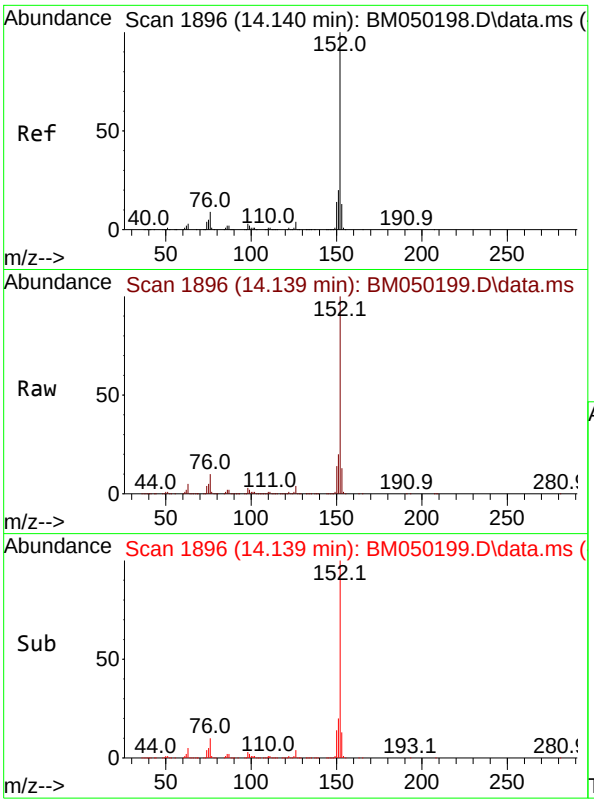


#48
2-Nitroaniline
Concen: 58.859 ng
RT: 13.486 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion: 65 Resp: 591382

Ion	Ratio	Lower	Upper
65	100		
92	80.4	64.2	96.4
138	123.5	101.0	151.4



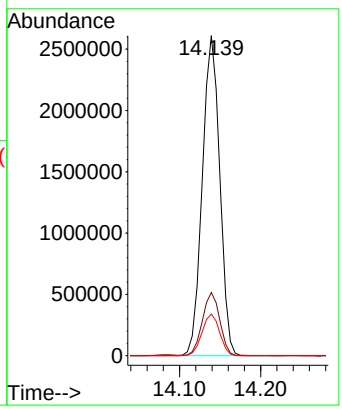


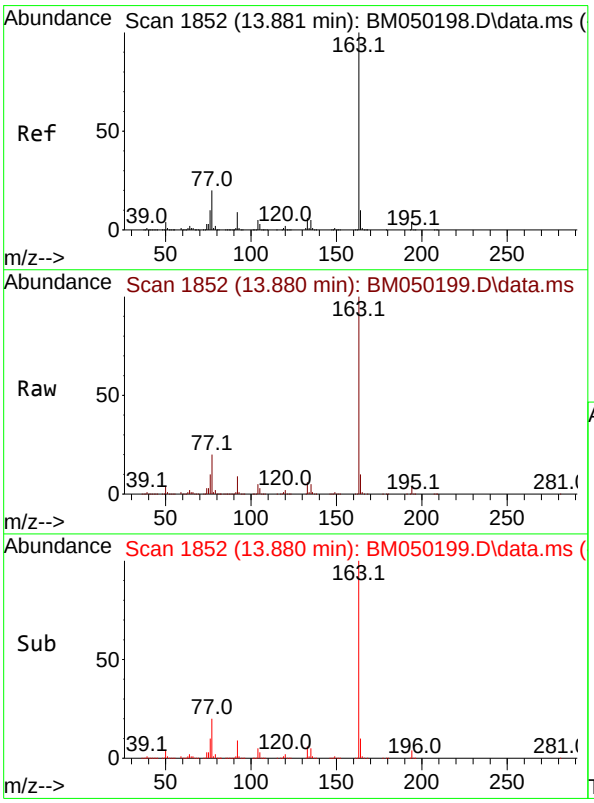
#49
Acenaphthylene
Concen: 52.521 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3878499

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

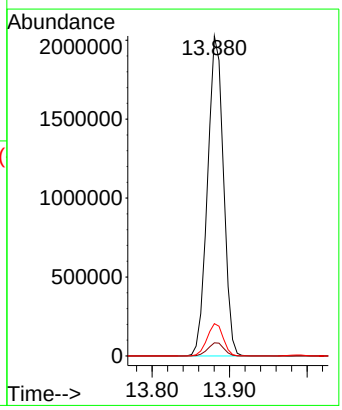


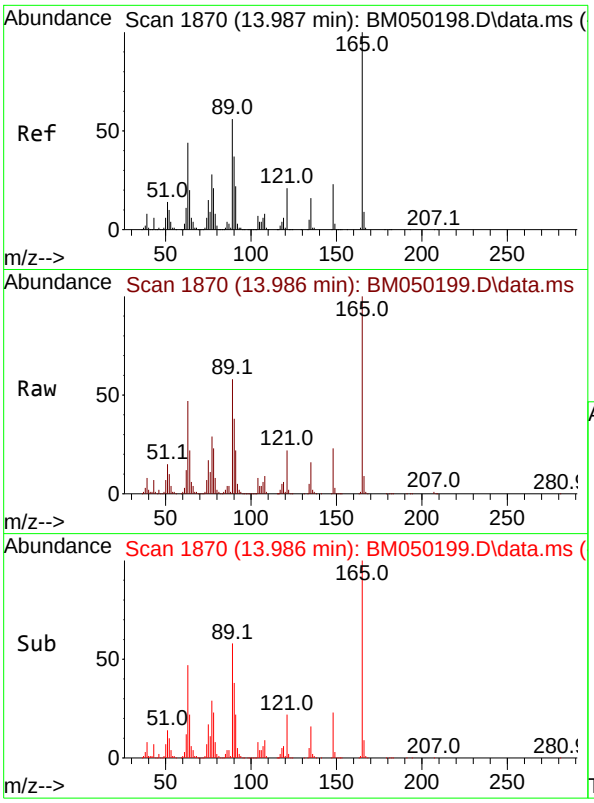


#50
Dimethylphthalate
Concen: 54.500 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:163 Resp: 2890771

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	7.9	11.9



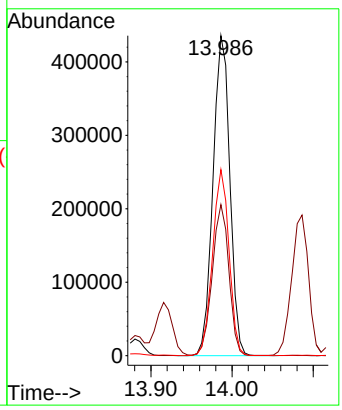


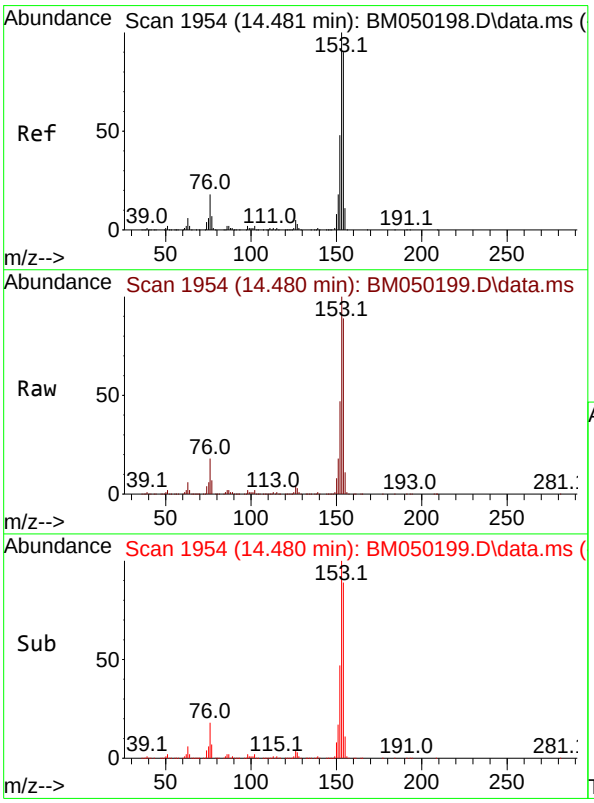
#51
2,6-Dinitrotoluene
Concen: 58.698 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 627879

Ion	Ratio	Lower	Upper
165	100		
63	47.2	35.8	53.6
89	58.2	44.8	67.2

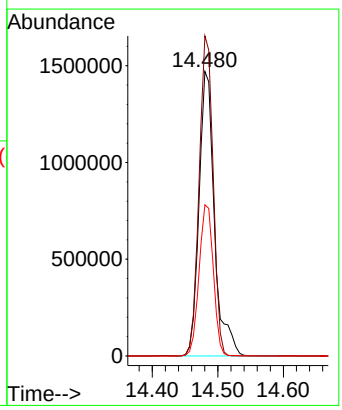


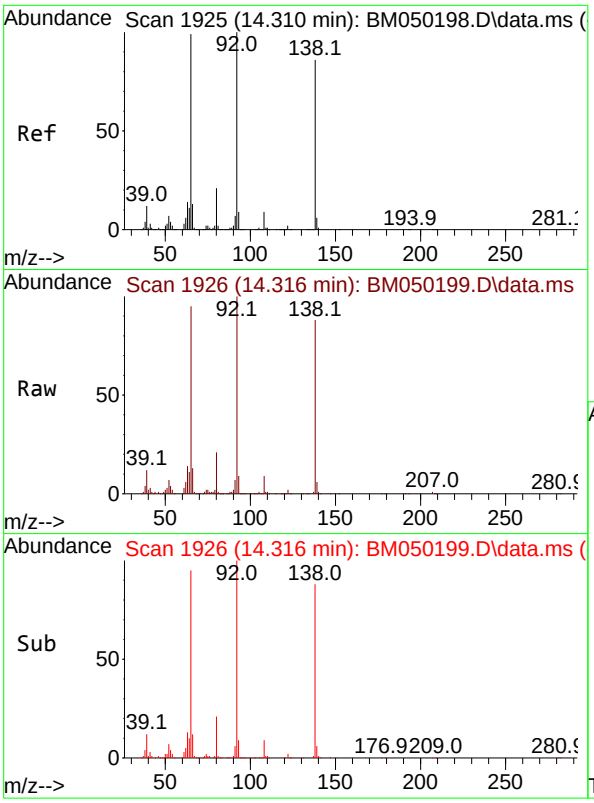


#52
Acenaphthene
Concen: 52.109 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:154 Resp: 2406891

Ion	Ratio	Lower	Upper
154	100		
153	112.5	88.7	133.1
152	53.1	42.6	63.8



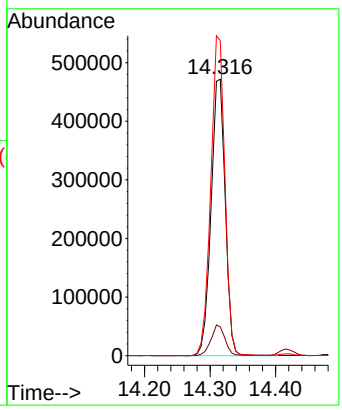


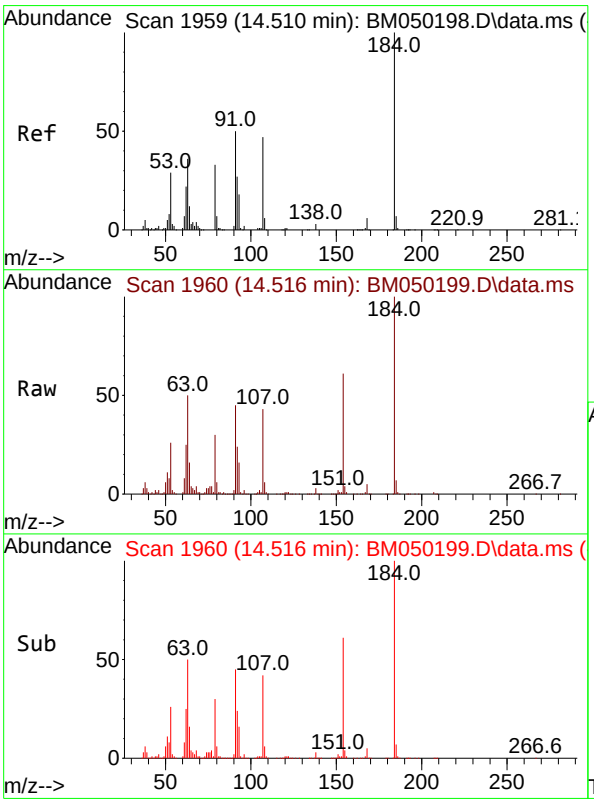
#53
3-Nitroaniline
Concen: 59.247 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 706323

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.8	13.2
92	113.9	92.9	139.3

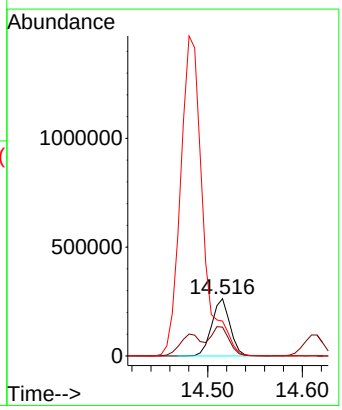


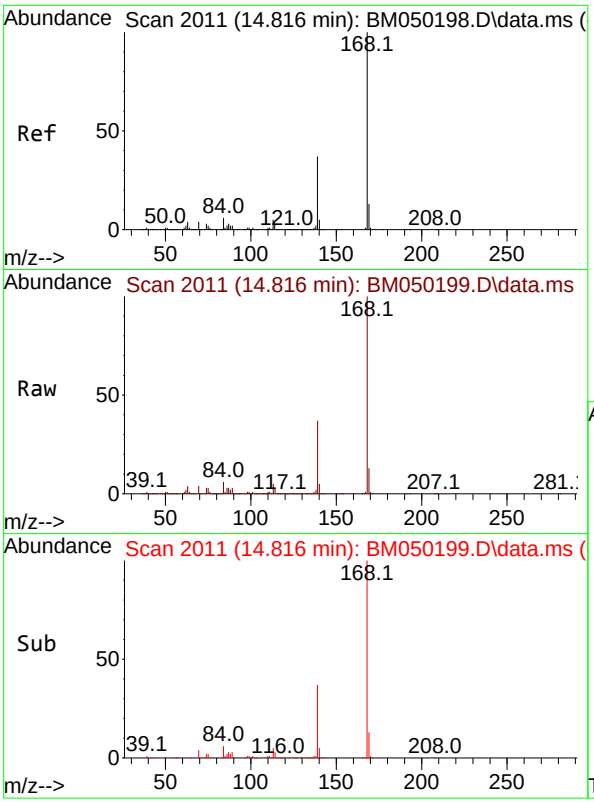


#54
2,4-Dinitrophenol
Concen: 54.263 ng
RT: 14.516 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:184 Resp: 350975

Ion	Ratio	Lower	Upper
184	100		
63	50.4	45.3	67.9
154	60.9	54.3	81.5



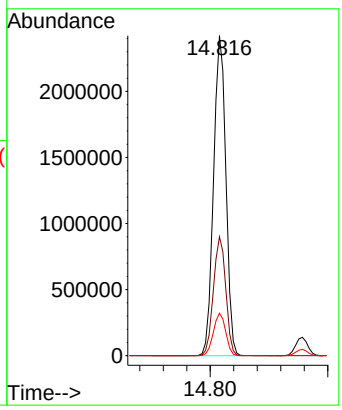


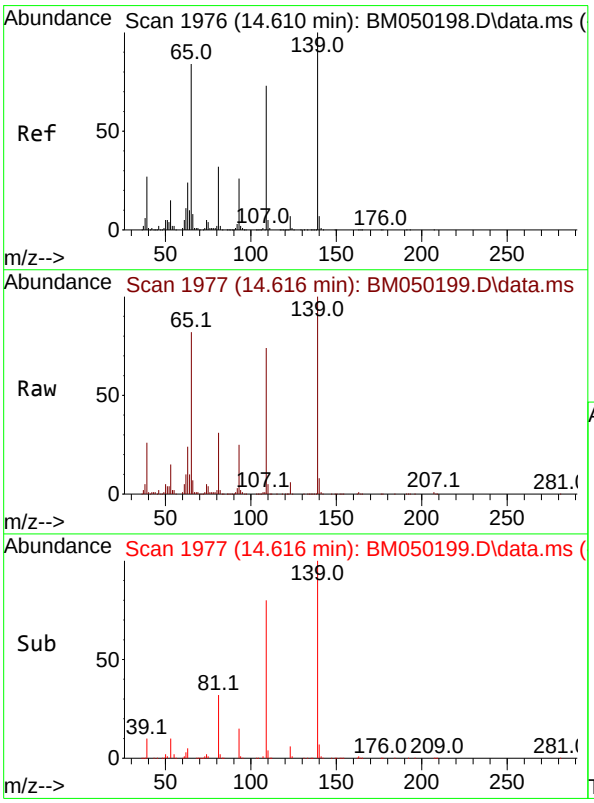
#55
Dibenzofuran
Concen: 52.131 ng
RT: 14.816 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3522761

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.9	44.9
169	13.3	10.6	16.0

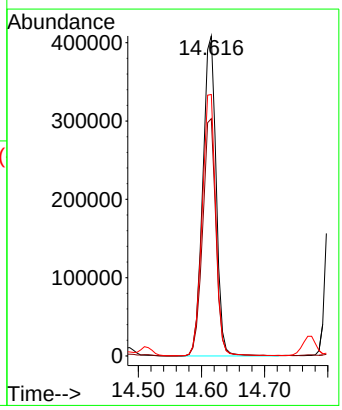


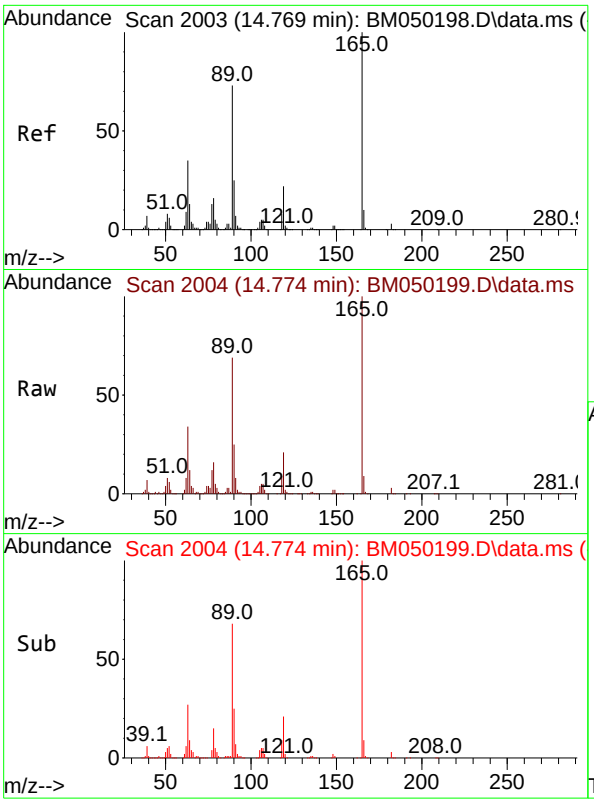


#56
4-Nitrophenol
Concen: 59.319 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:139 Resp: 601906

Ion	Ratio	Lower	Upper
139	100		
109	74.2	52.6	92.6
65	81.7	64.3	104.3



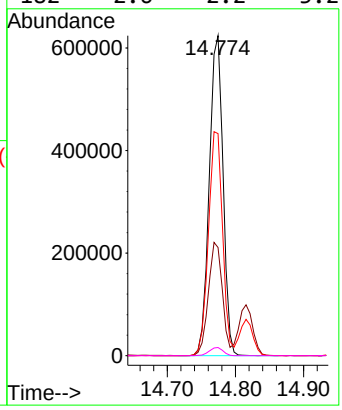


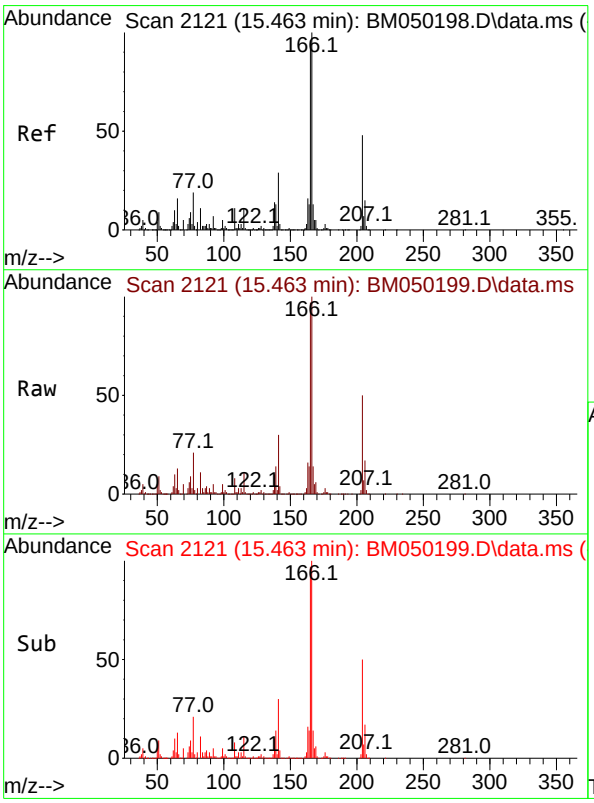
#57
2,4-Dinitrotoluene
Concen: 62.091 ng
RT: 14.774 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 876137

Ion	Ratio	Lower	Upper
165	100		
63	33.8	28.4	42.6
89	69.4	58.0	87.0
182	2.6	2.2	3.2

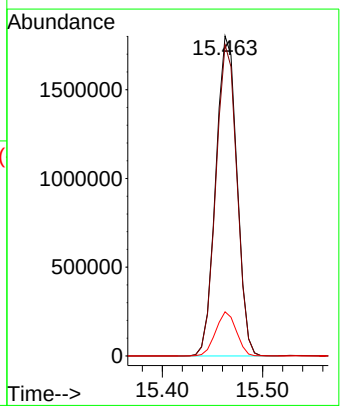


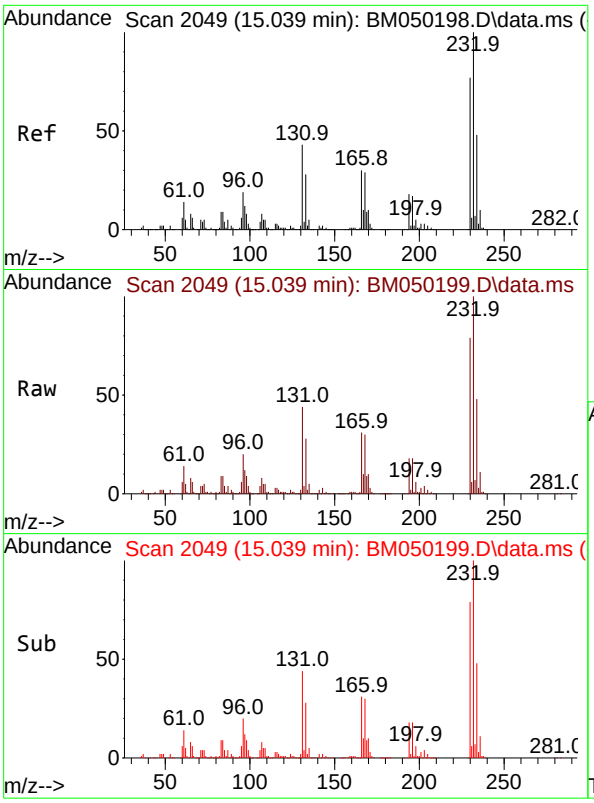


#58
Fluorene
Concen: 51.068 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:166 Resp: 2643113

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.0	115.4
167	13.8	10.7	16.1



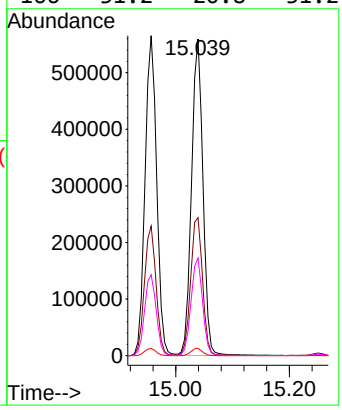


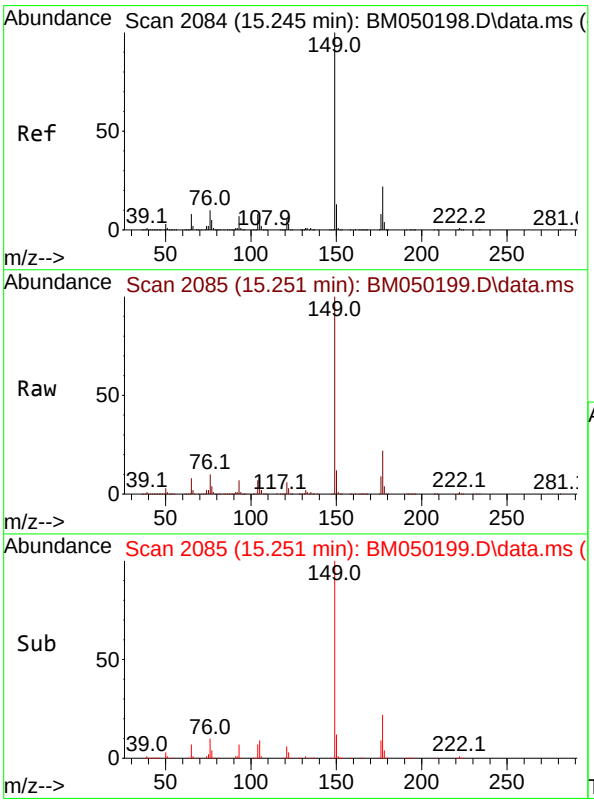
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.608 ng
RT: 15.039 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 786725

Ion	Ratio	Lower	Upper
232	100		
131	45.2	32.9	49.3
130	2.4	1.8	2.8
166	31.2	20.8	31.2

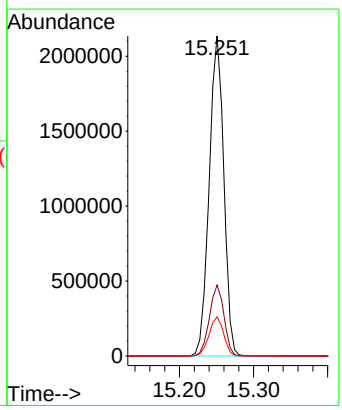


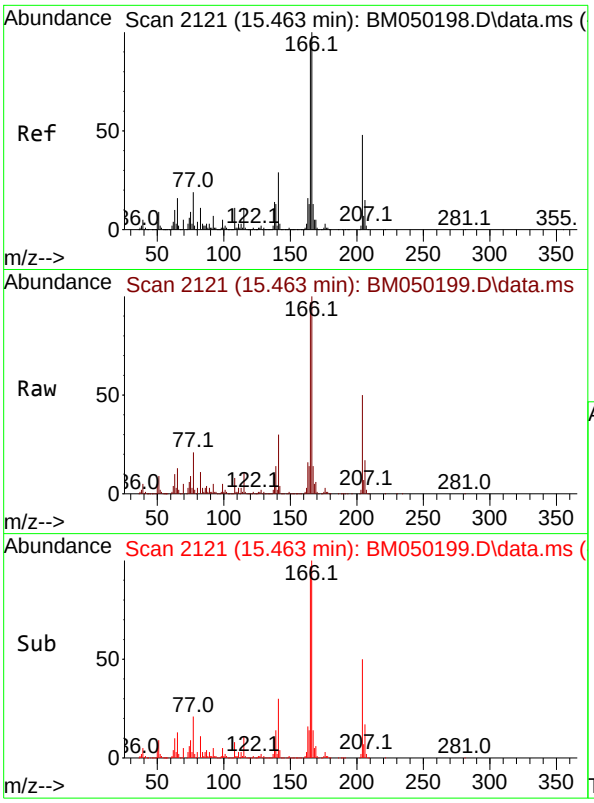


#60
Diethylphthalate
Concen: 55.521 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:149 Resp: 2921964

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.2	25.8
150	12.2	10.0	15.0



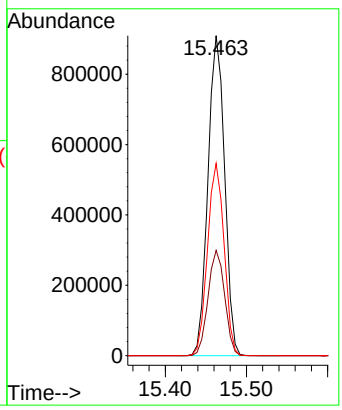


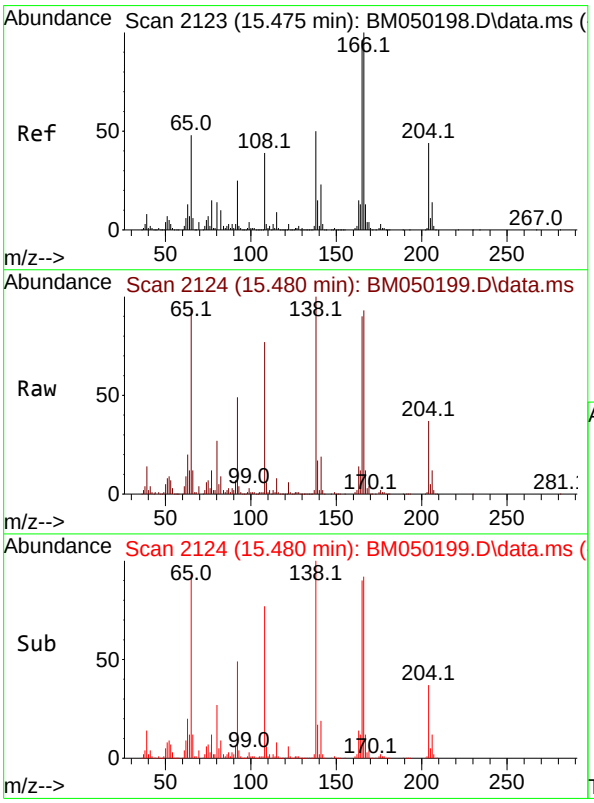
#61
4-Chlorophenyl-phenylether
Concen: 51.728 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1293938

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.4	38.0
141	60.1	47.9	71.9

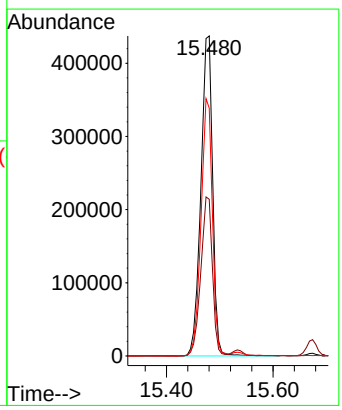


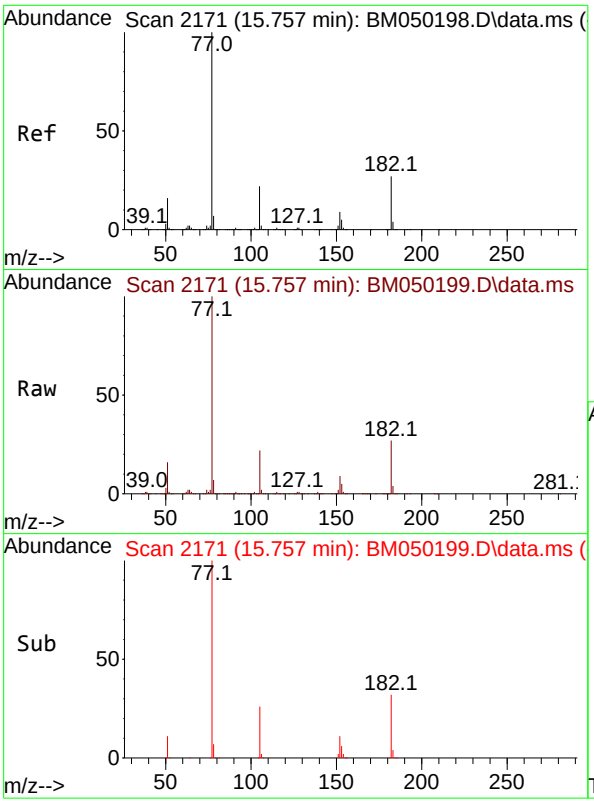


#62
4-Nitroaniline
Concen: 59.947 ng
RT: 15.480 min Scan# 2124
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:138 Resp: 669832

Ion	Ratio	Lower	Upper
138	100		
92	49.0	28.8	68.8
108	77.4	58.1	98.1



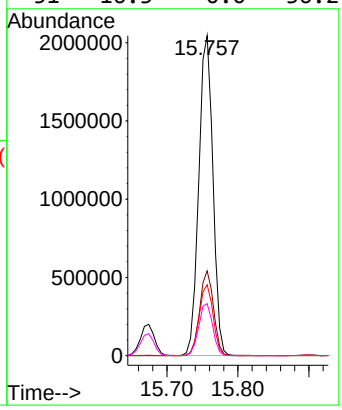


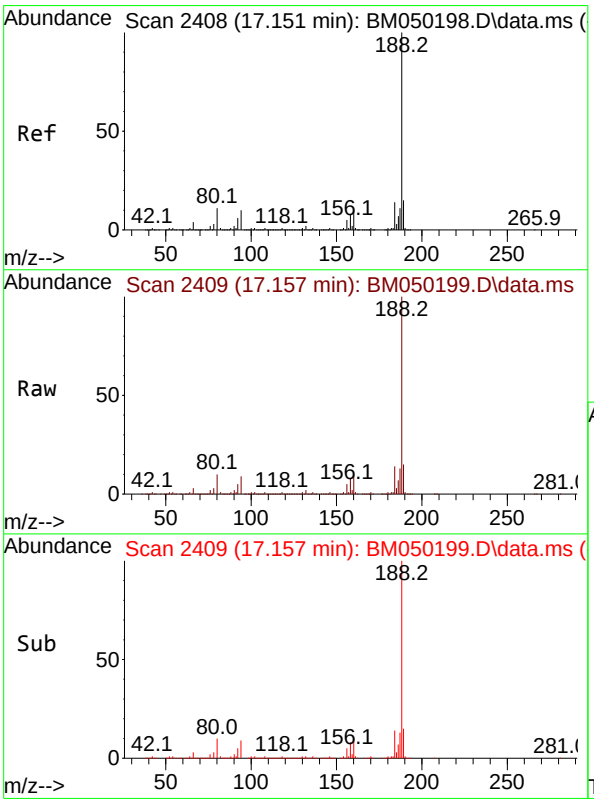
#63
Azobenzene
Concen: 53.794 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2829707

Ion	Ratio	Lower	Upper
77	100		
182	26.5	6.8	46.8
105	22.1	1.7	41.7
51	16.3	0.0	36.2

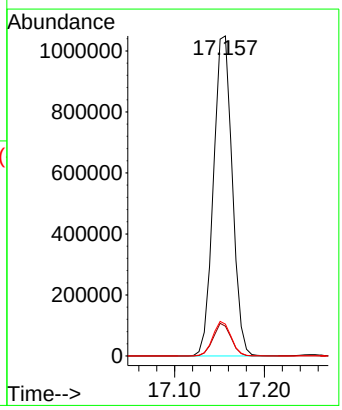


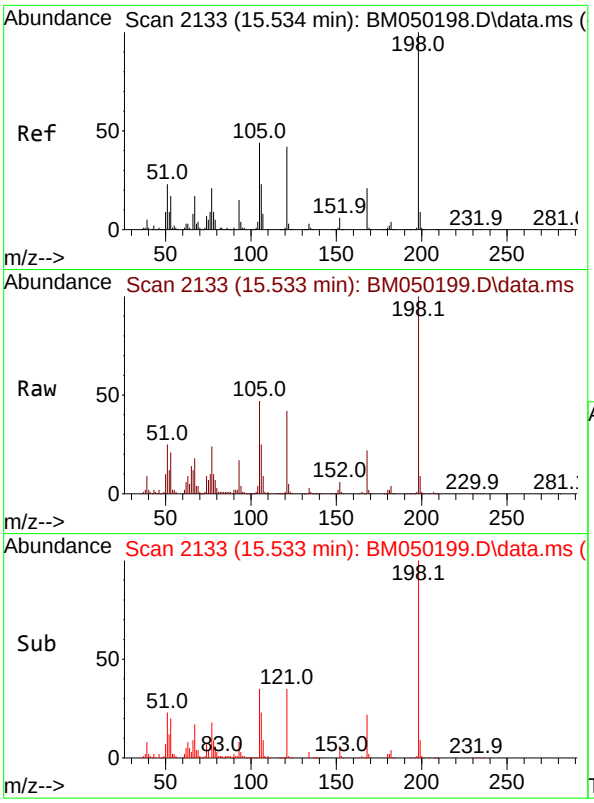


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:188 Resp: 1523841

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.1	12.1
80	9.9	8.6	13.0



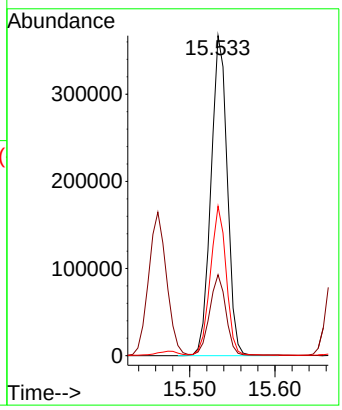


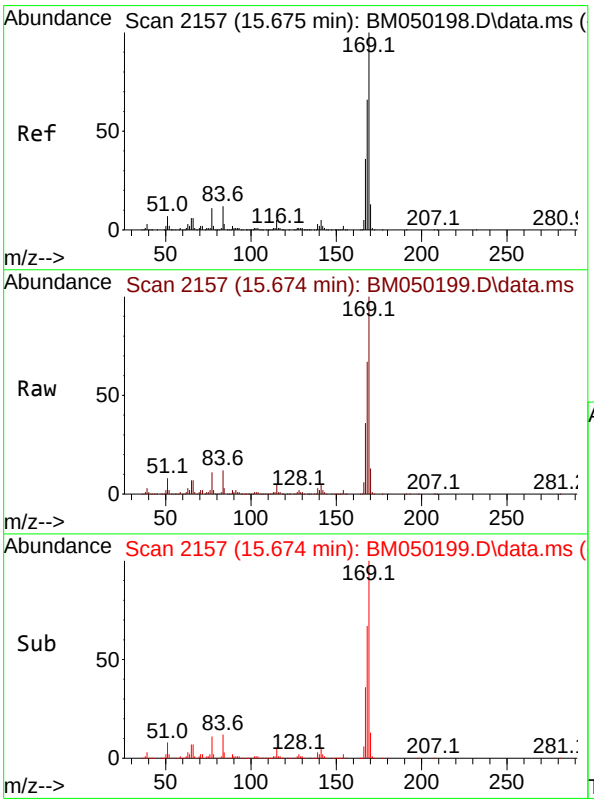
#65
4,6-Dinitro-2-methylphenol
Concen: 58.562 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 487410

Ion	Ratio	Lower	Upper
198	100		
51	25.3	4.5	44.5
105	46.7	24.9	64.9

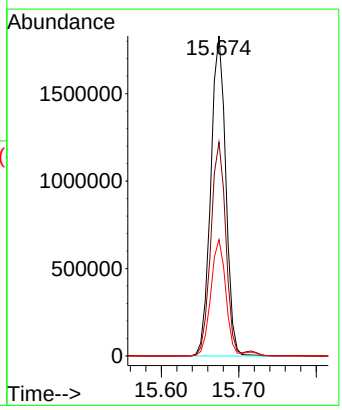


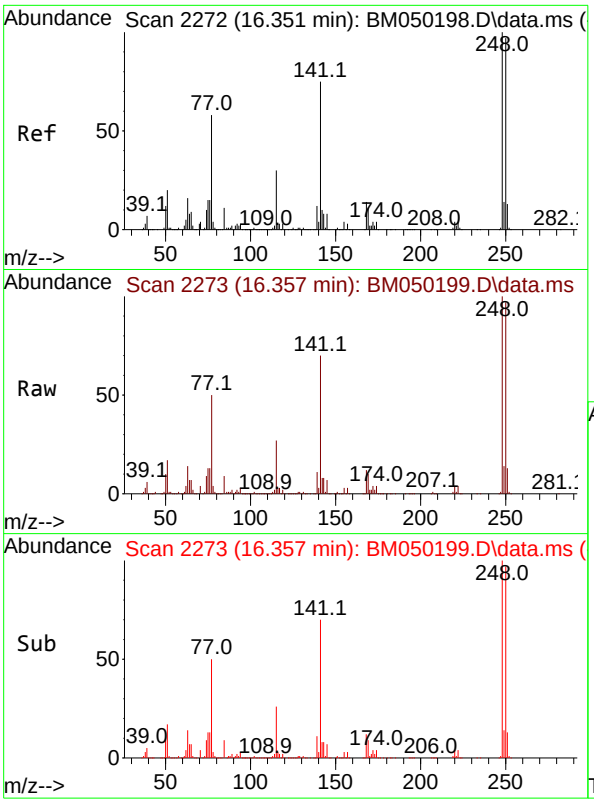


#66
n-Nitrosodiphenylamine
Concen: 51.375 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:169 Resp: 2459825

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.1	79.7
167	36.3	29.0	43.6



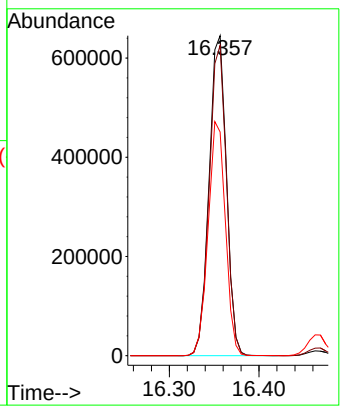


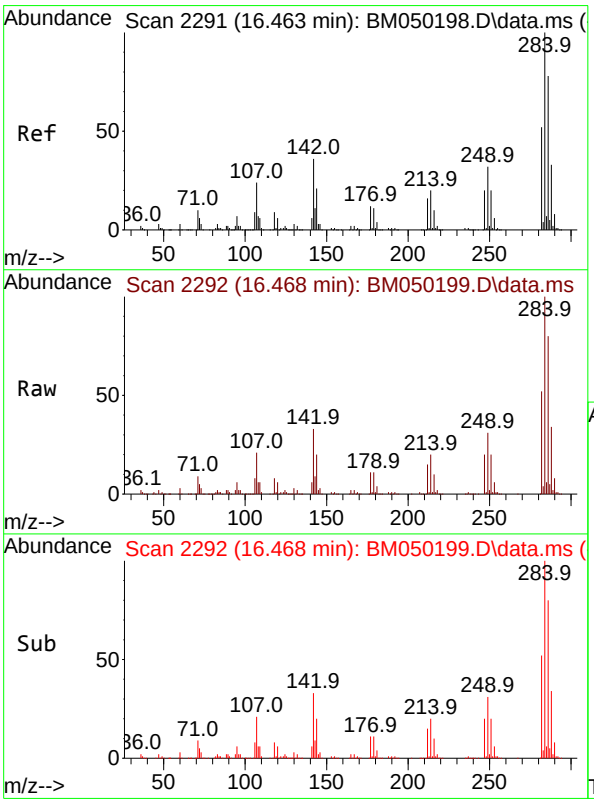
#67
4-Bromophenyl-phenylether
Concen: 53.423 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 868132

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.0	117.0
141	69.9	60.1	90.1

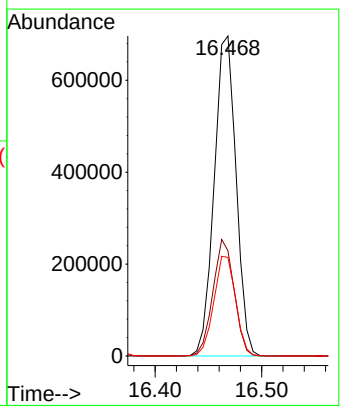


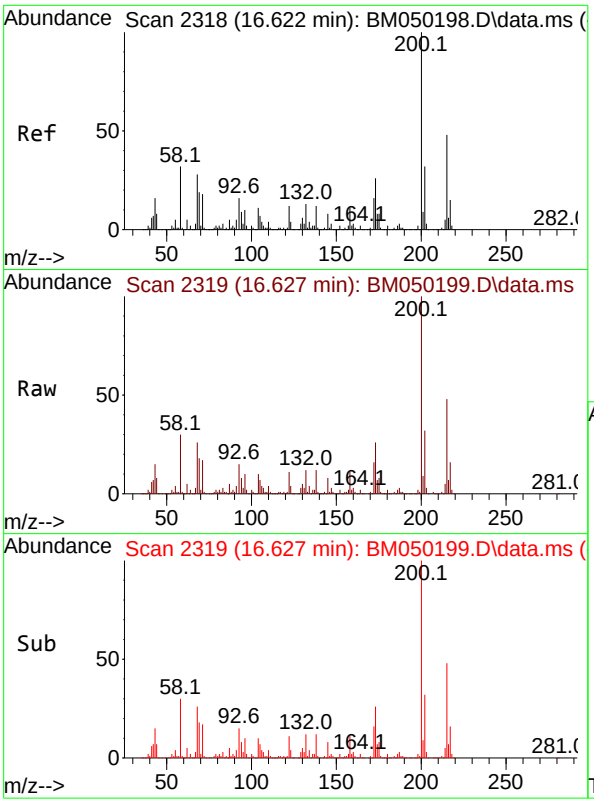


#68
Hexachlorobenzene
Concen: 52.310 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:284 Resp: 993147

Ion	Ratio	Lower	Upper
284	100		
142	32.8	28.8	43.2
249	30.8	25.8	38.6



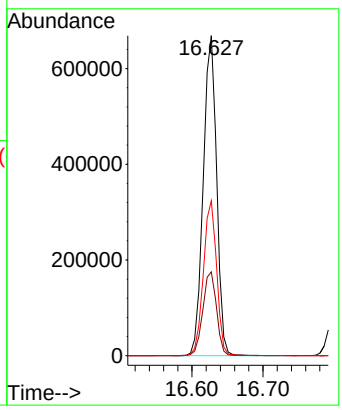


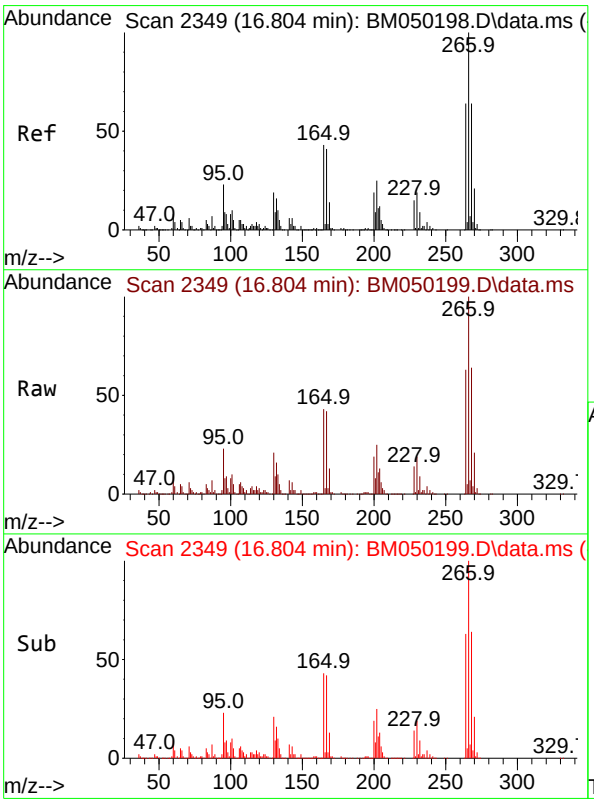
#69
Atrazine
Concen: 57.610 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 878900

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.0	46.0
215	48.4	28.1	68.1

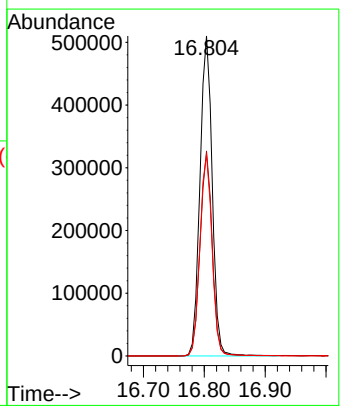


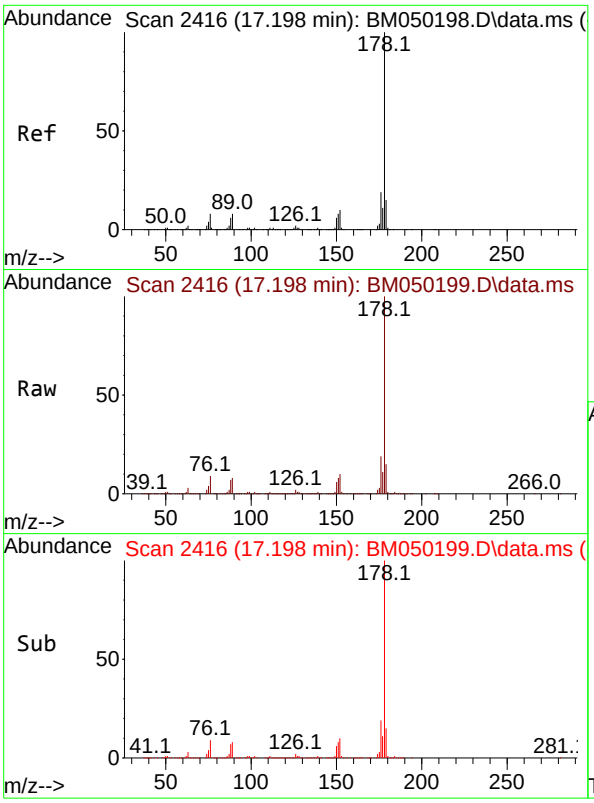


#70
Pentachlorophenol
Concen: 57.680 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:266 Resp: 711985

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.0	76.6
264	62.9	50.8	76.2



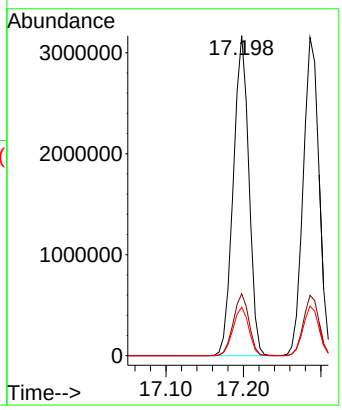


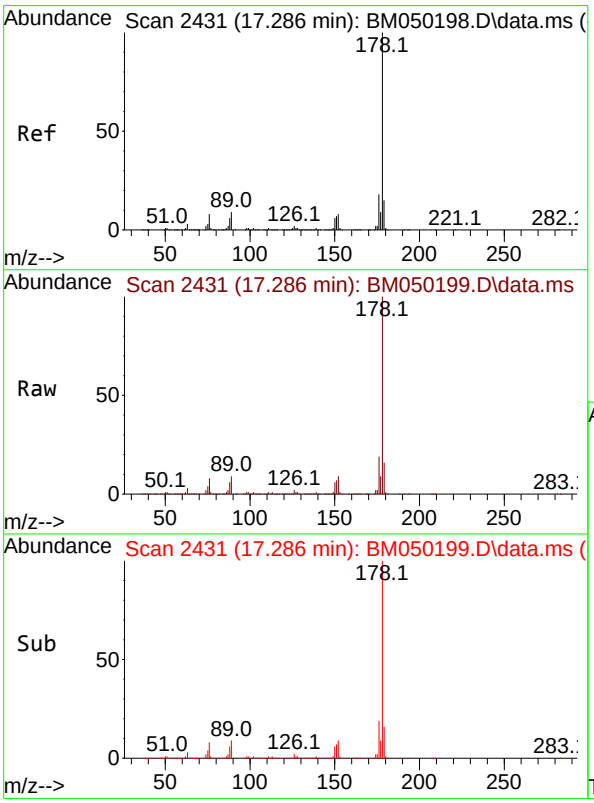
#71
Phenanthrene
Concen: 50.793 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4421661

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.3	18.5

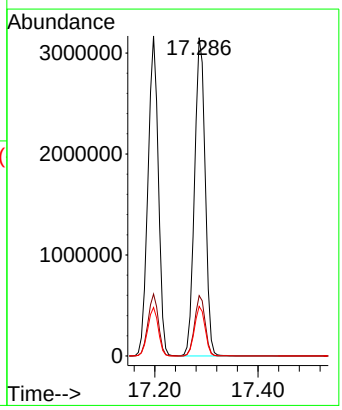


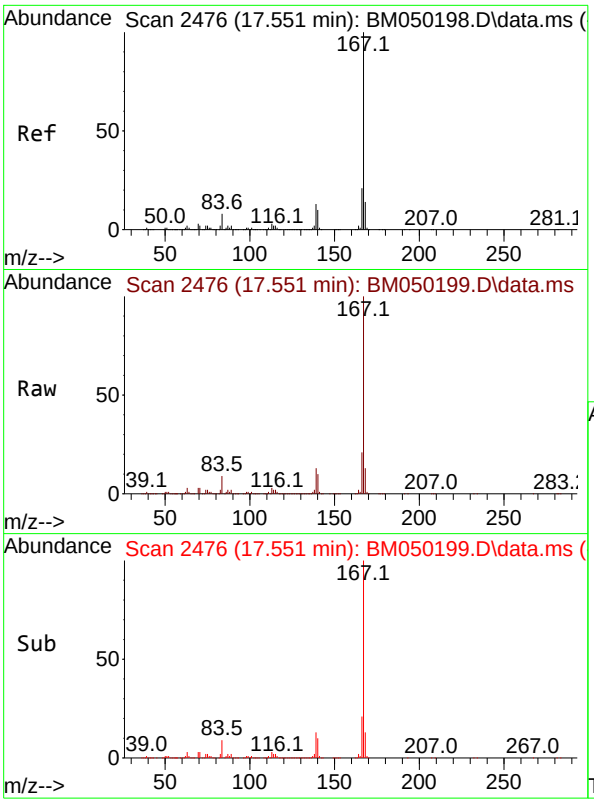


#72
Anthracene
Concen: 51.663 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:178 Resp: 4499098

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.6	12.3	18.5



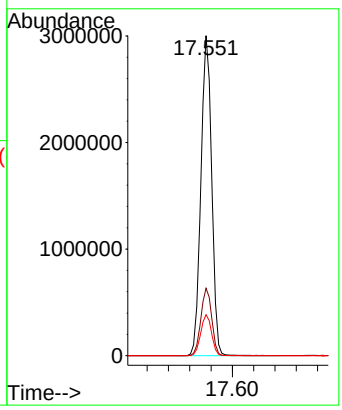


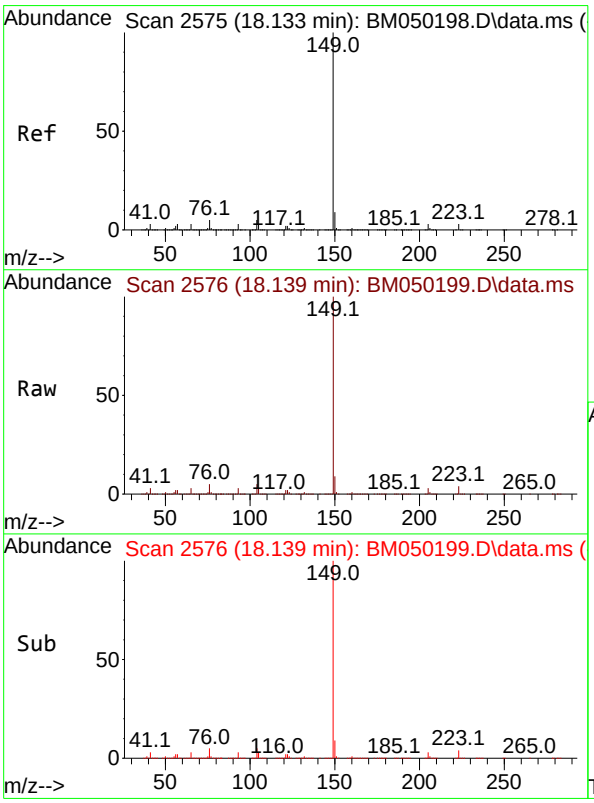
#73
Carbazole
Concen: 52.985 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4203693

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.2	15.4

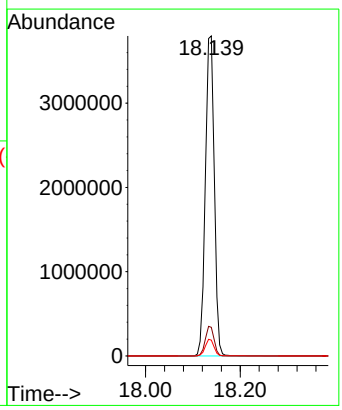


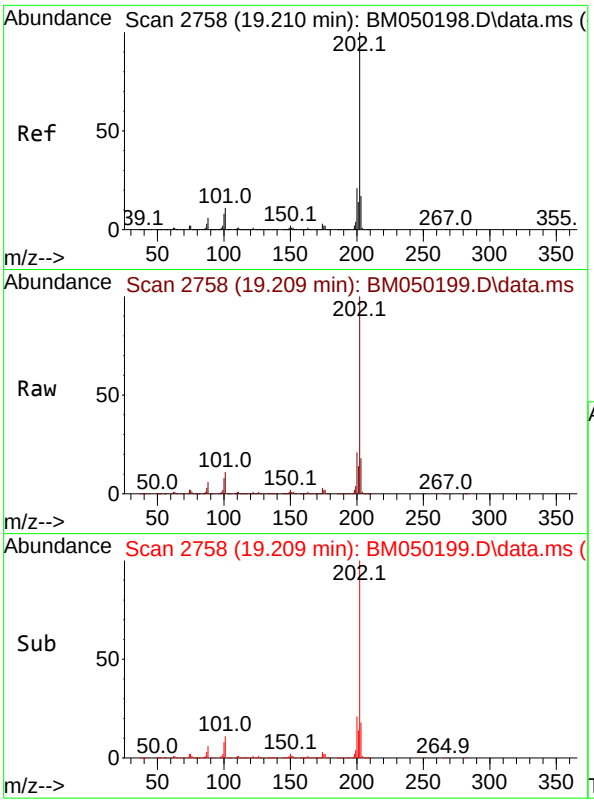


#74
Di-n-butylphthalate
Concen: 57.359 ng
RT: 18.139 min Scan# 2576
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:149 Resp: 4951541

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.0	6.0



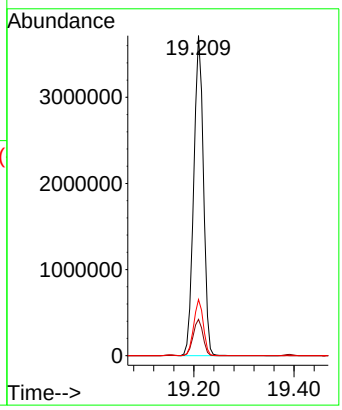


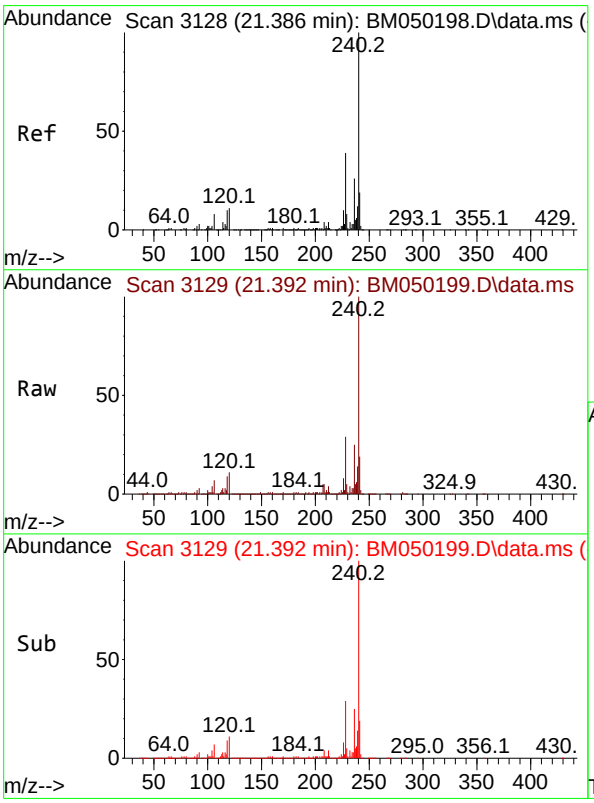
#75
Fluoranthene
Concen: 54.004 ng
RT: 19.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4957680

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.1
203	17.5	0.0	37.0

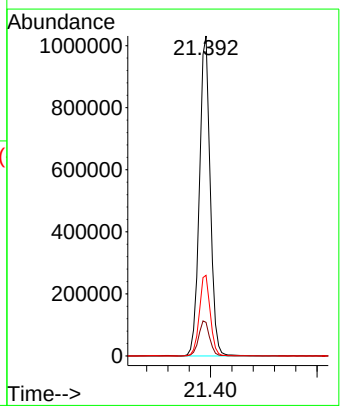


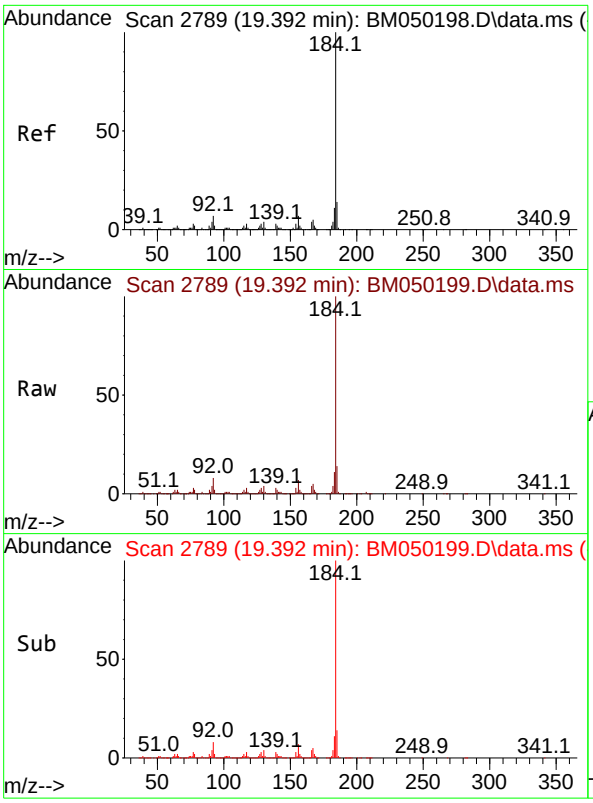


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:240 Resp: 1446151

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.4
236	25.2	20.7	31.1



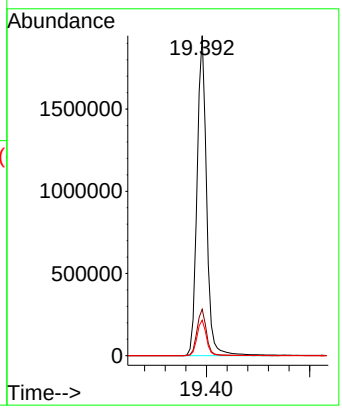


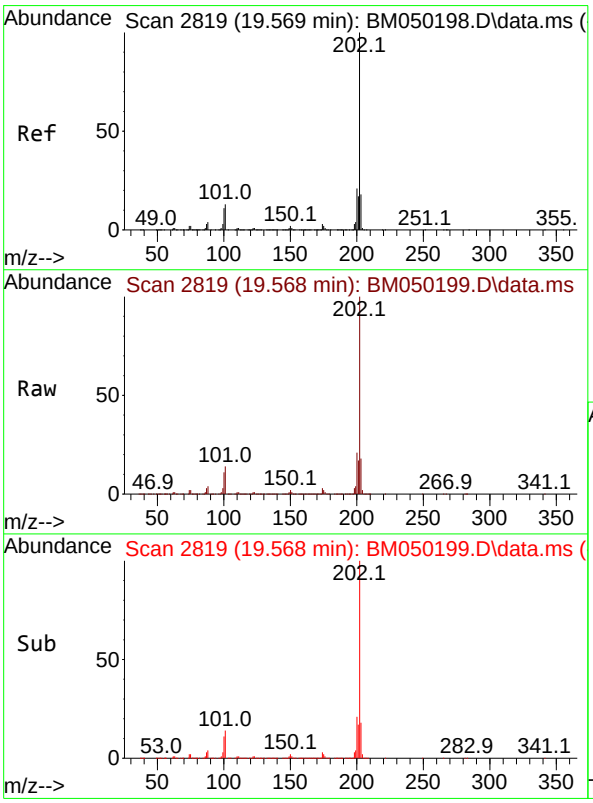
#77
Benzidine
Concen: 61.214 ng
RT: 19.392 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2489372

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.1	9.0	13.4

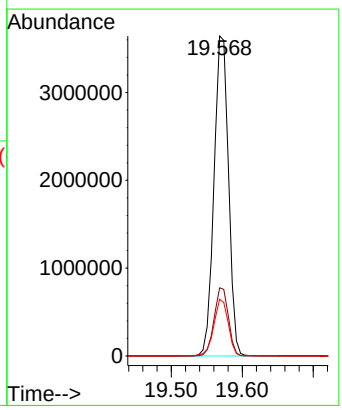


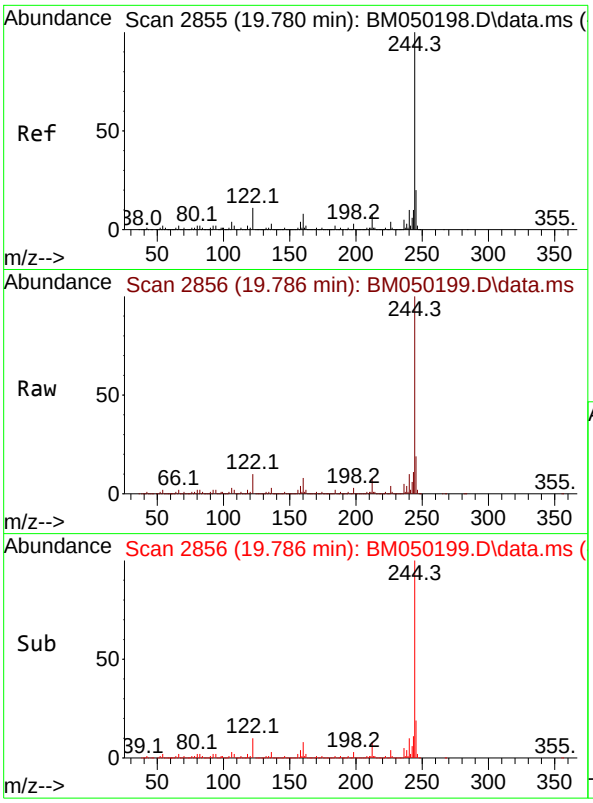


#78
Pyrene
Concen: 52.769 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:202 Resp: 5143501

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.7	14.1	21.1



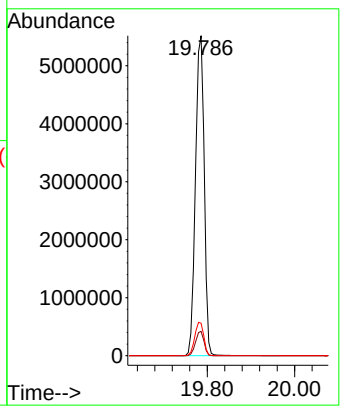


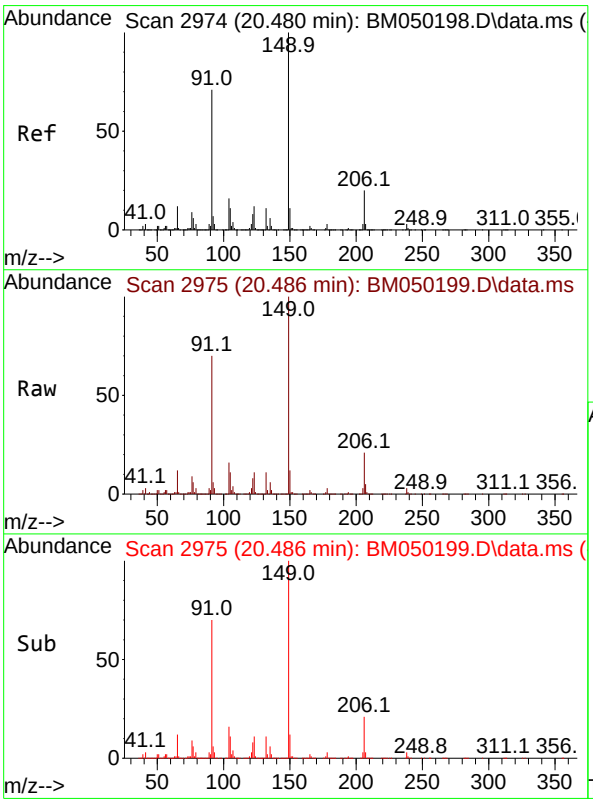
#79
Terphenyl-d14
Concen: 100.800 ng
RT: 19.786 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7692376

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	10.2	8.6	12.8

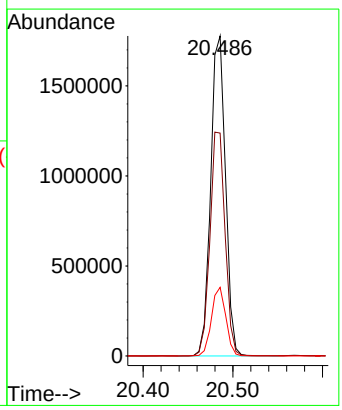


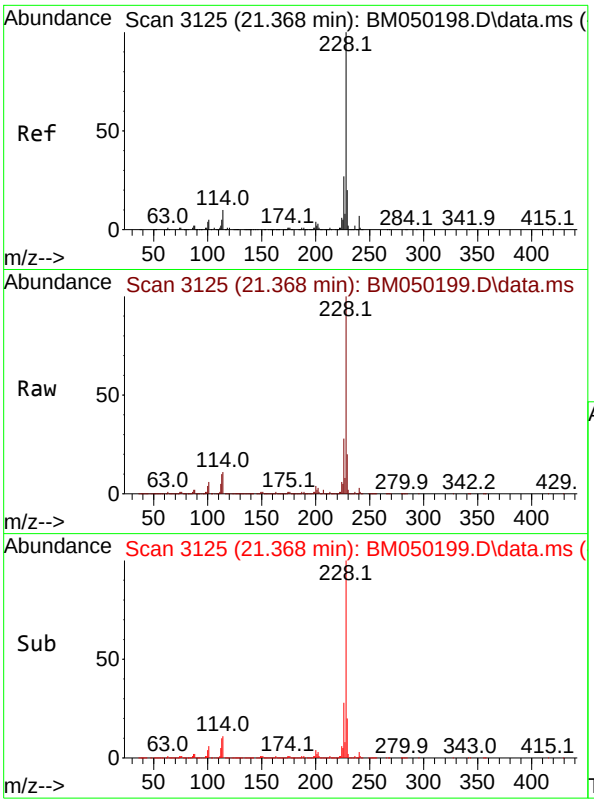


#80
Butylbenzylphthalate
Concen: 62.625 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:149 Resp: 2036123

Ion	Ratio	Lower	Upper
149	100		
91	69.6	56.9	85.3
206	21.5	16.1	24.1



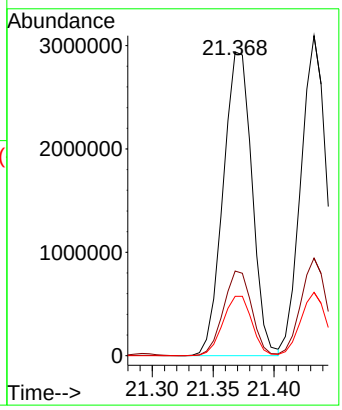


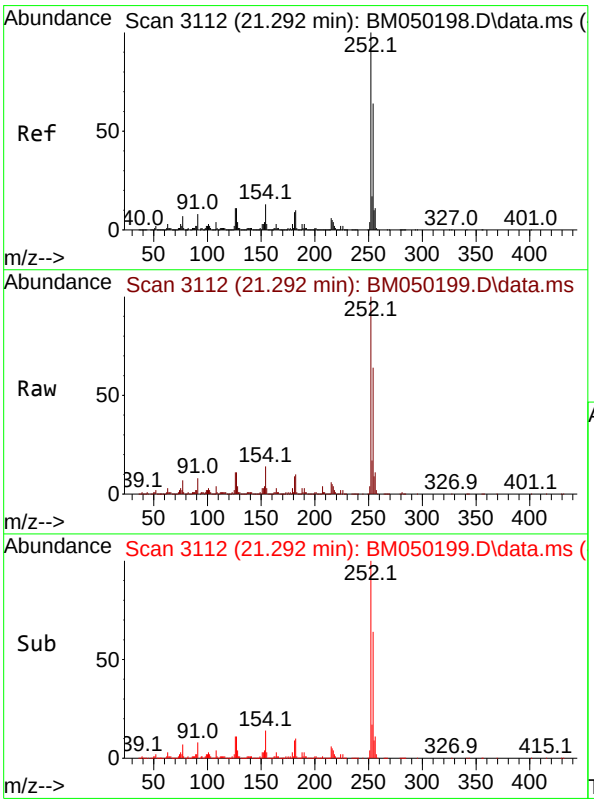
#81
Benzo(a)anthracene
Concen: 52.838 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4836514

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	19.5	15.7	23.5

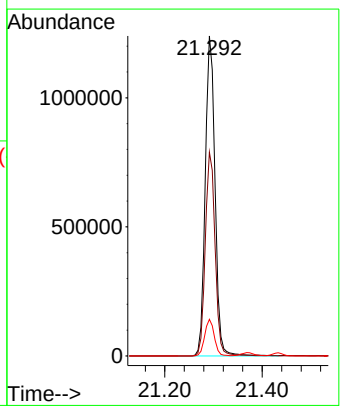


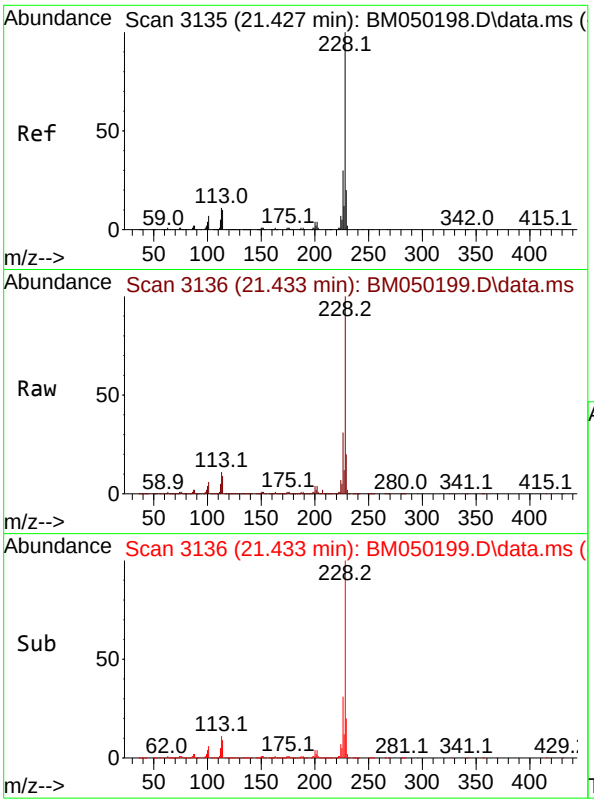


#82
3,3'-Dichlorobenzidine
Concen: 61.684 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:252 Resp: 1721840

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	11.4	8.6	12.8



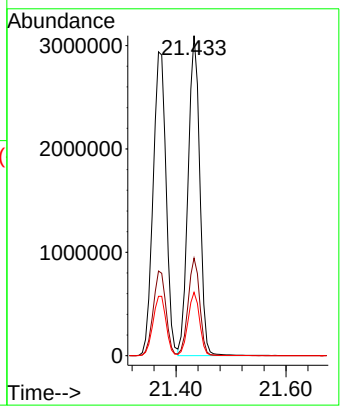


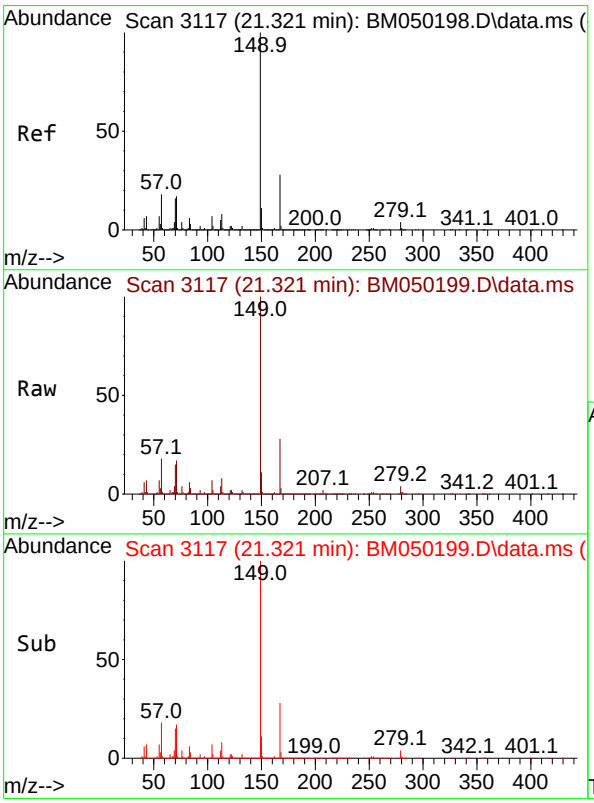
#83
Chrysene
Concen: 52.145 ng
RT: 21.433 min Scan# 3
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4540308

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	19.8	15.8	23.8

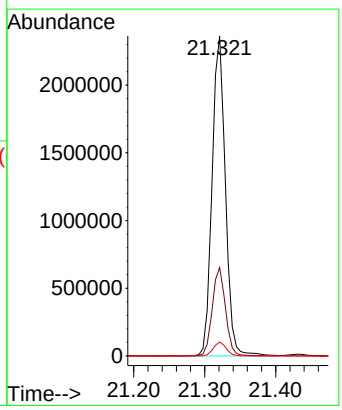


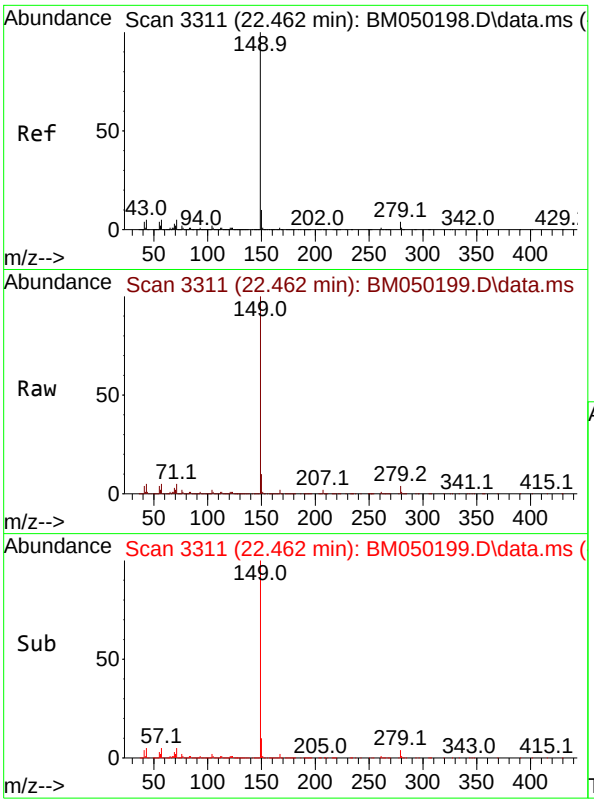


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.400 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:149 Resp: 3074950

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.4	3.5	5.3



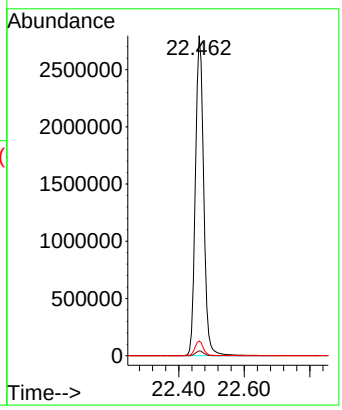


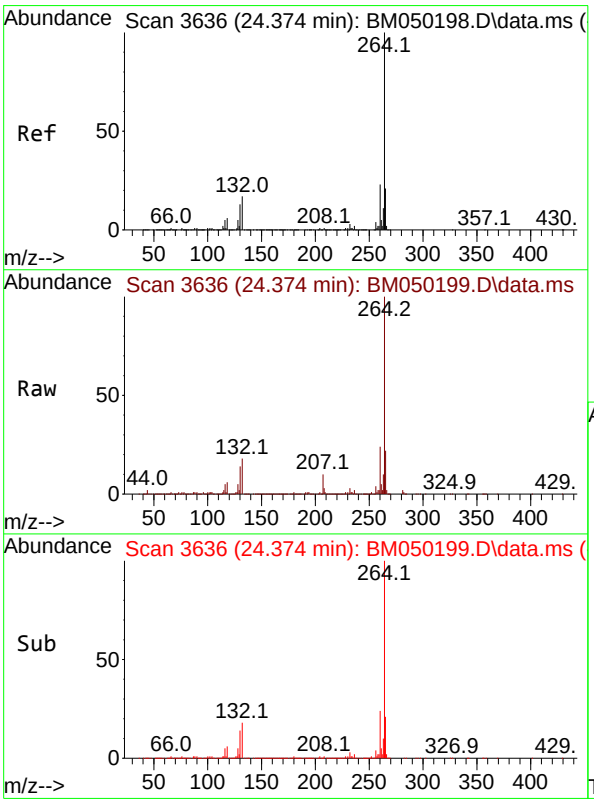
#85
Di-n-octyl phthalate
Concen: 66.103 ng
RT: 22.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 4912405

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	4.7	3.8	5.8

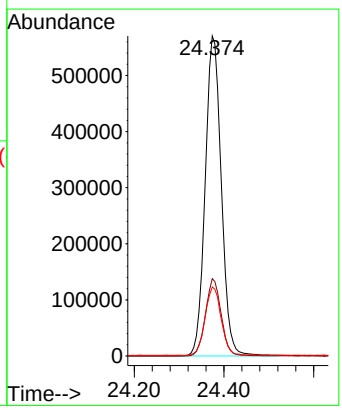


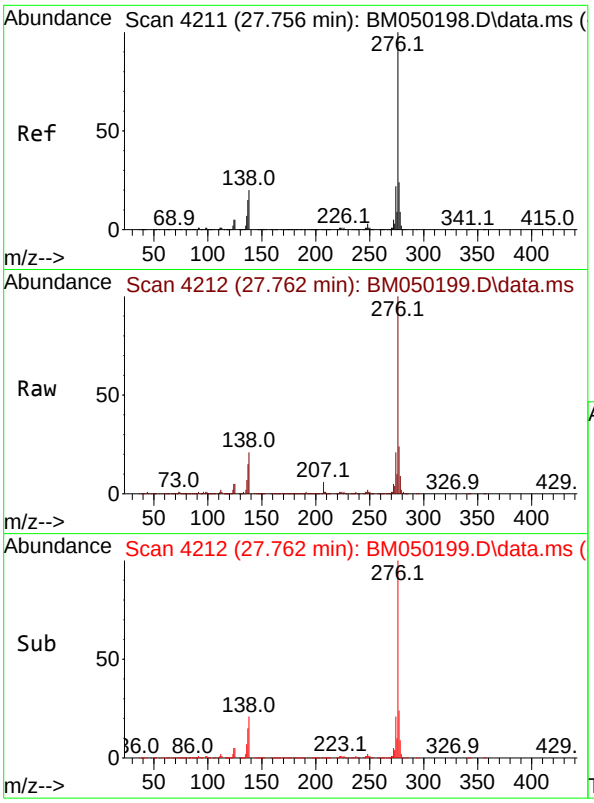


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:264 Resp: 1421732

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.5	16.8	25.2



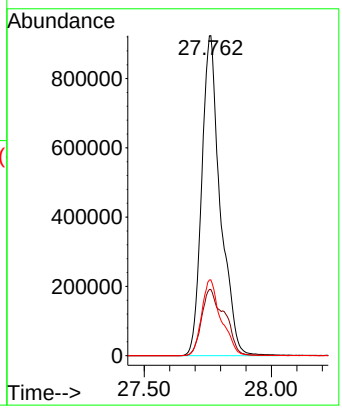


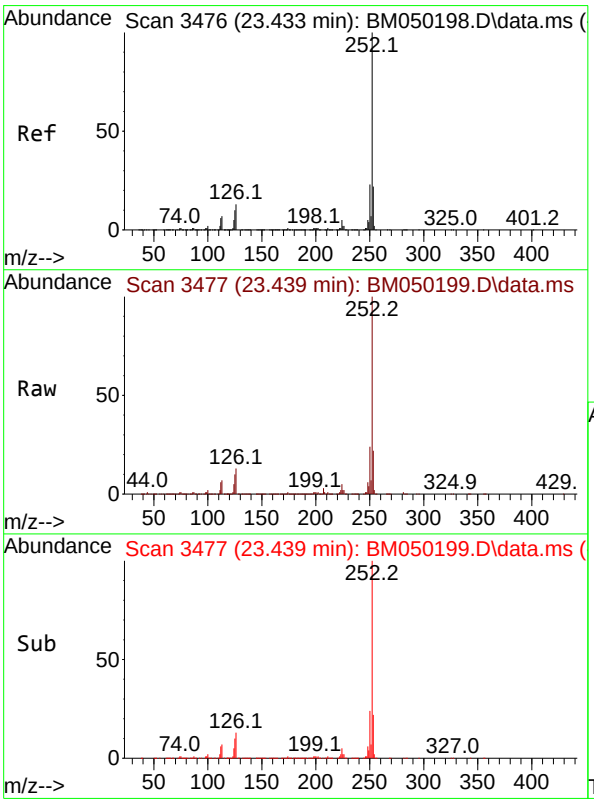
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.183 ng
RT: 27.762 min Scan# 4
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 4685372

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.6	30.8
277	24.8	19.8	29.6

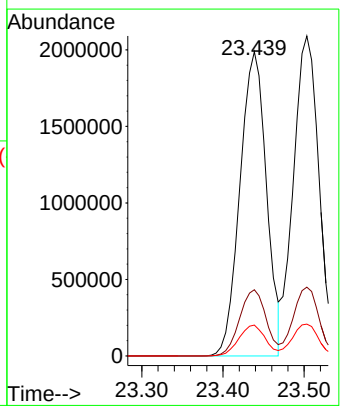


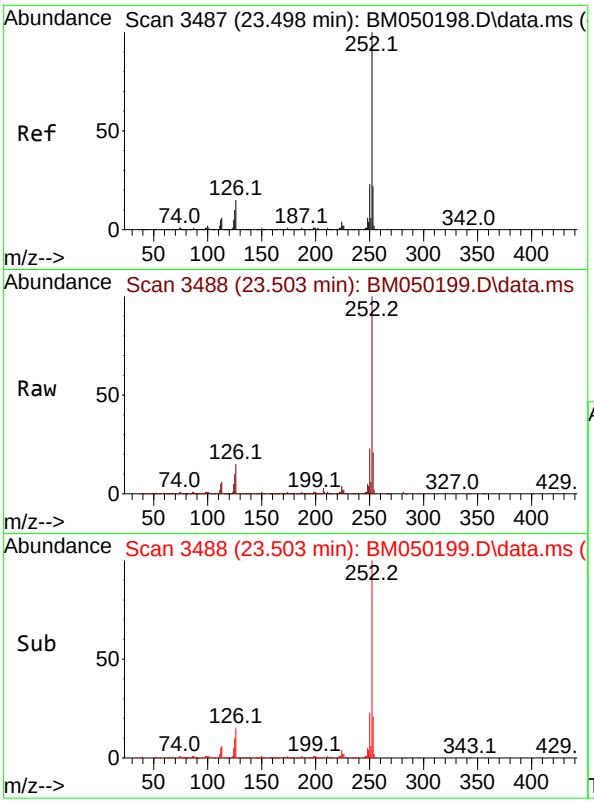


#88
Benzo(b)fluoranthene
Concen: 54.563 ng
RT: 23.439 min Scan# 3477
Delta R.T. 0.005 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:252 Resp: 4510196

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.2	8.2	12.4



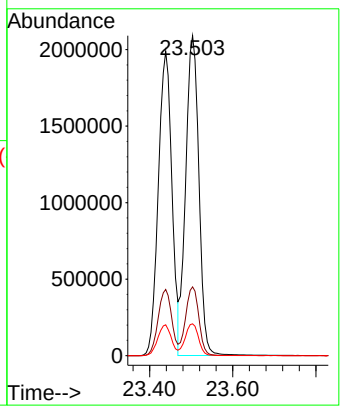


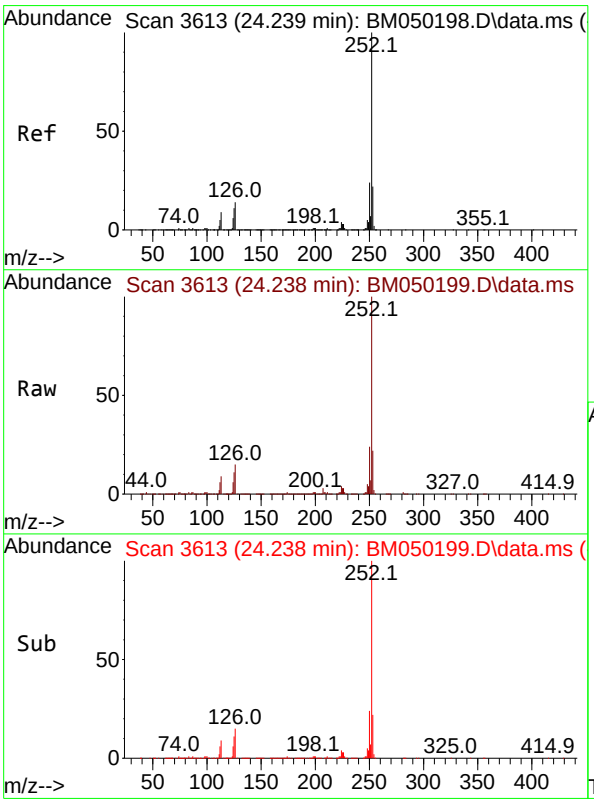
#89
Benzo(k)fluoranthene
Concen: 54.567 ng
RT: 23.503 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4604565

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.0	8.2	12.4

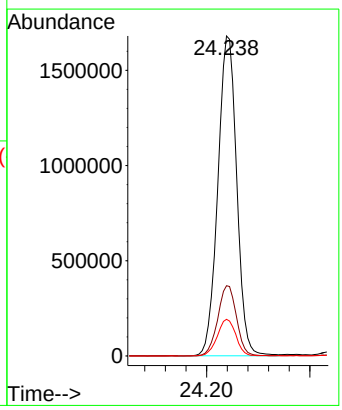


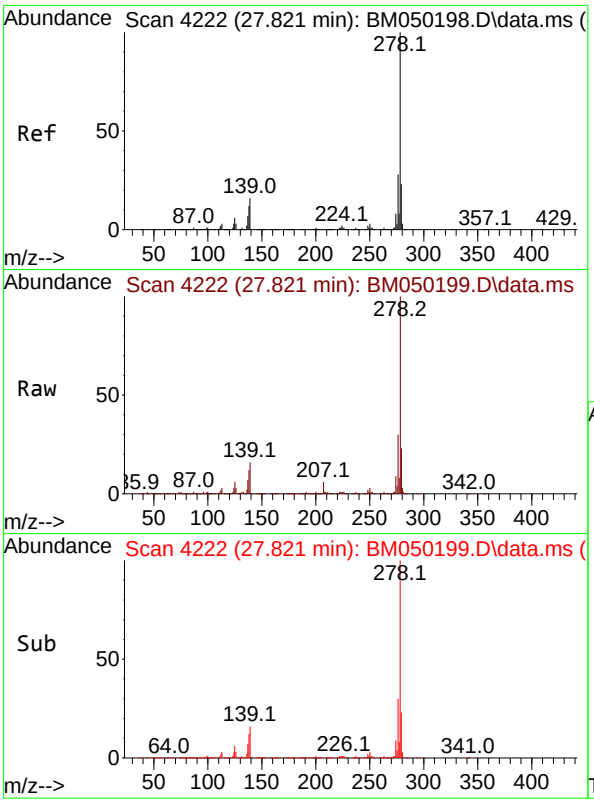


#90
Benzo(a)pyrene
Concen: 54.752 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:252 Resp: 4255236

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	9.0	13.4



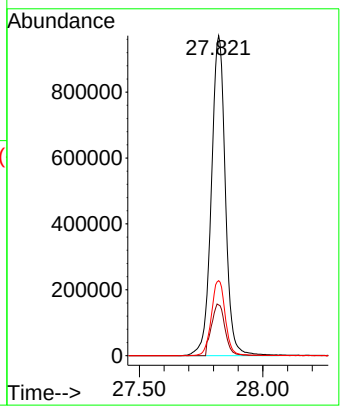


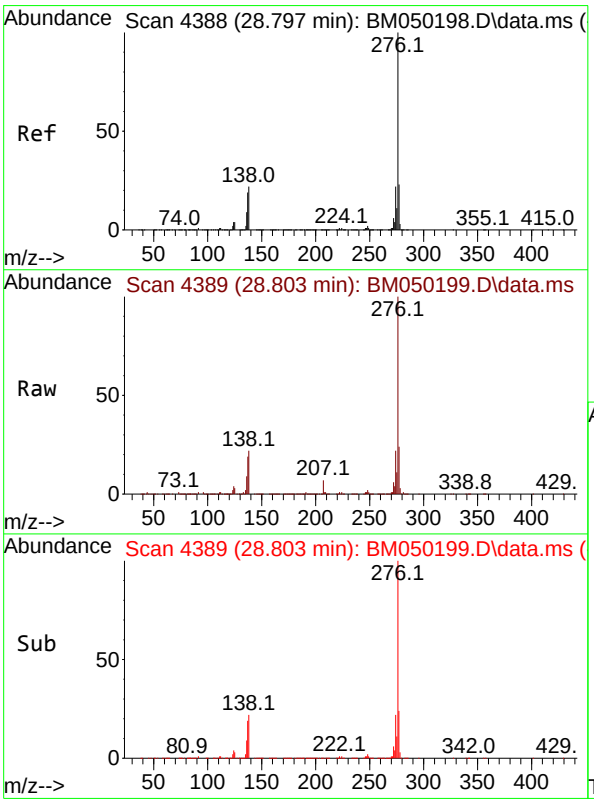
#91
Dibenzo(a,h)anthracene
Concen: 51.410 ng
RT: 27.821 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 3820009

Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.8	19.2
279	23.5	18.6	28.0

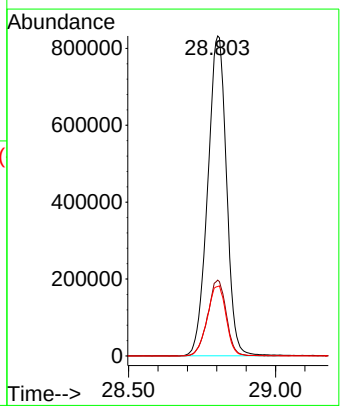




#92
Benzo(g,h,i)perylene
Concen: 49.548 ng
RT: 28.803 min Scan# 4389
Delta R.T. 0.006 min
Lab File: BM050199.D
Acq: 05 Jun 2025 12:36

Tgt Ion:276 Resp: 3684864

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	27.8
138	21.7	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	258988	20.000	ng	0.00
21) Naphthalene-d8	10.580	136	988400	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	551586	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	997337	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1056136	20.000	ng	0.00
86) Perylene-d12	24.374	264	1194662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1901282	122.462	ng	0.00
7) Phenol-d6	6.951	99	2424424	118.624	ng	0.00
23) Nitrobenzene-d5	8.939	82	2406327	126.617	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	772080	123.062	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	4898196	120.225	ng	0.00
79) Terphenyl-d14	19.780	244	6053045	108.610	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	416291	61.170	ng	99
3) Pyridine	3.681	79	1079098	61.229	ng	100
4) n-Nitrosodimethylamine	3.599	42	227764	62.498	ng	99
6) Aniline	7.116	93	1603778	59.359	ng	100
8) 2-Chlorophenol	7.357	128	1039425	60.866	ng	98
9) Benzaldehyde	6.928	77	624366	48.050	ng	99
10) Phenol	6.981	94	1271828	58.814	ng	99
11) bis(2-Chloroethyl)ether	7.216	93	1006488	57.865	ng	98
12) 1,3-Dichlorobenzene	7.681	146	1154067	60.449	ng	99
13) 1,4-Dichlorobenzene	7.828	146	1184887	59.650	ng	99
14) 1,2-Dichlorobenzene	8.139	146	1126847	59.508	ng	100
15) Benzyl Alcohol	8.022	79	856127	58.731	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	670877	55.523	ng	98
17) 2-Methylphenol	8.222	107	836890	58.654	ng	100
18) Hexachloroethane	8.875	117	434277	60.370	ng	97
19) n-Nitroso-di-n-propyla...	8.598	70	703599	56.257	ng	99
20) 3+4-Methylphenols	8.551	107	1116126	58.468	ng	99
22) Acetophenone	8.604	105	1467978	59.449	ng	99
24) Nitrobenzene	8.981	77	1077660	62.349	ng	99
25) Isophorone	9.510	82	1934777	58.984	ng	100
26) 2-Nitrophenol	9.692	139	502043	67.289	ng	98
27) 2,4-Dimethylphenol	9.751	122	927674	60.457	ng	98
28) bis(2-Chloroethoxy)met...	9.992	93	1280678	59.764	ng	99
29) 2,4-Dichlorophenol	10.222	162	889620	62.710	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	977963	61.950	ng	99
31) Naphthalene	10.628	128	3038415	59.457	ng	100
32) Benzoic acid	9.881	122	624735	64.846	ng	98
33) 4-Chloroaniline	10.728	127	1304717	59.885	ng	100
34) Hexachlorobutadiene	10.928	225	584323	62.229	ng	99
35) Caprolactam	11.504	113	271534	60.374	ng	99
36) 4-Chloro-3-methylphenol	11.851	107	896859	59.248	ng	99
37) 2-Methylnaphthalene	12.239	142	1834221	59.497	ng	98
38) 1-Methylnaphthalene	12.457	142	1922042	58.741	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1003997	63.035	ng	99
41) Hexachlorocyclopentadiene	12.598	237	663873	68.632	ng	97
43) 2,4,6-Trichlorophenol	12.845	196	665409	63.528	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

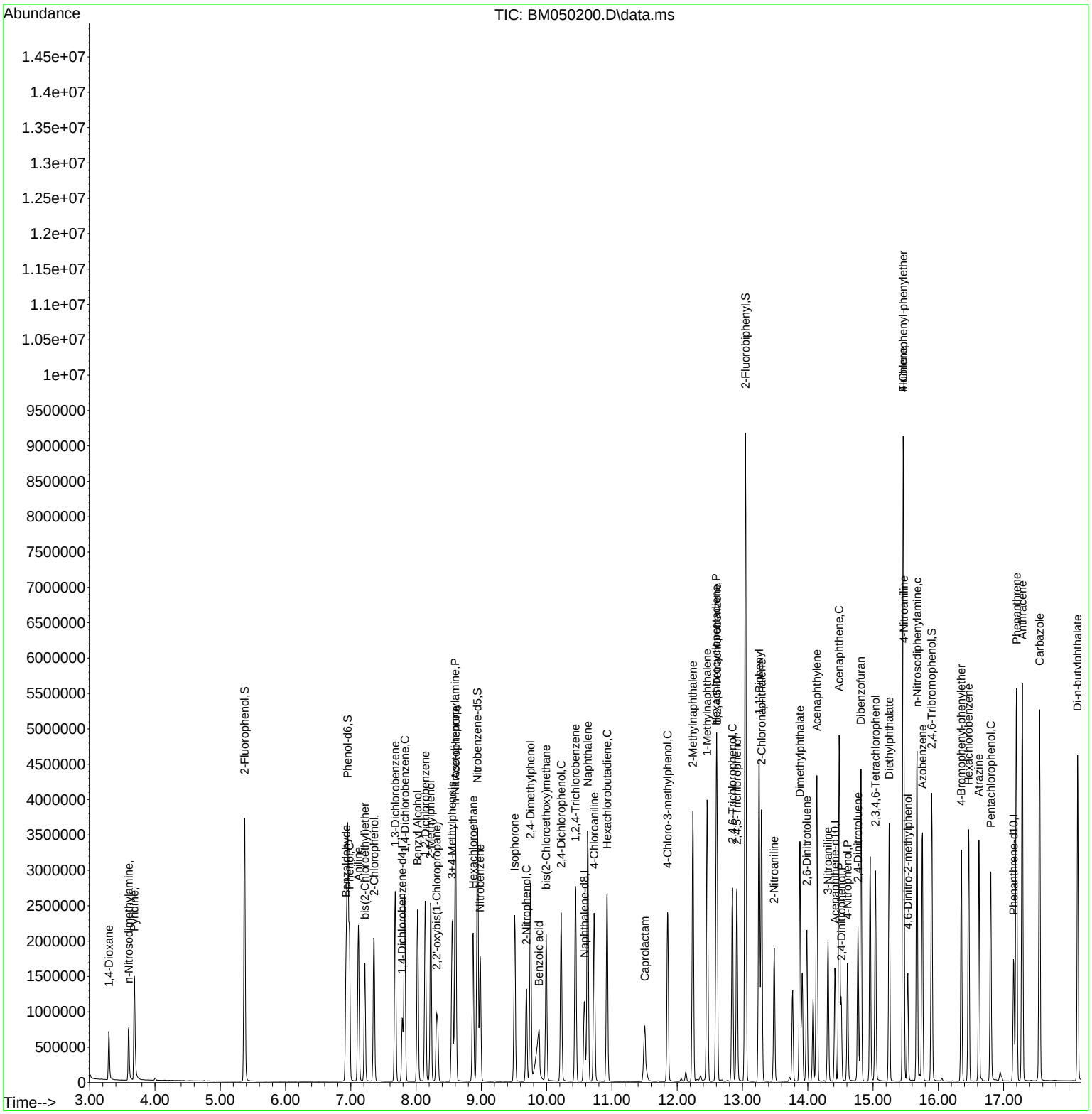
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	730617	63.531	ng		98
46) 1,1'-Biphenyl	13.257	154	2494729	60.402	ng		100
47) 2-Chloronaphthalene	13.292	162	1947861	60.663	ng		100
48) 2-Nitroaniline	13.486	65	479127	67.806	ng		98
49) Acenaphthylene	14.139	152	3183780	61.302	ng		100
50) Dimethylphthalate	13.880	163	2224786	59.640	ng		100
51) 2,6-Dinitrotoluene	13.986	165	490781	65.238	ng		99
52) Acenaphthene	14.480	154	1953486	60.136	ng		99
53) 3-Nitroaniline	14.310	138	555944	66.308	ng		100
54) 2,4-Dinitrophenol	14.516	184	265588	58.459	ng		92
55) Dibenzofuran	14.816	168	2844670	59.857	ng		100
56) 4-Nitrophenol	14.610	139	477024	66.846	ng		98
57) 2,4-Dinitrotoluene	14.768	165	659402	66.447	ng		99
58) Fluorene	15.463	166	2133522	58.613	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.039	232	614431	61.752	ng		93
60) Diethylphthalate	15.251	149	2180022	58.899	ng		99
61) 4-Chlorophenyl-phenyle...	15.463	204	1031087	58.610	ng		99
62) 4-Nitroaniline	15.474	138	528186	67.214	ng		99
63) Azobenzene	15.757	77	2177933	58.871	ng		99
65) 4,6-Dinitro-2-methylph...	15.533	198	359804	66.052	ng		97
66) n-Nitrosodiphenylamine	15.674	169	1911910	61.011	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	649254	61.046	ng		99
68) Hexachlorobenzene	16.462	284	761552	61.287	ng		99
69) Atrazine	16.621	200	634737	63.570	ng		98
70) Pentachlorophenol	16.804	266	528095	65.368	ng		99
71) Phenanthrene	17.198	178	3421380	60.051	ng		100
72) Anthracene	17.286	178	3485282	61.148	ng		100
73) Carbazole	17.551	167	3246806	62.528	ng		100
74) Di-n-butylphthalate	18.133	149	3550989	62.851	ng		100
75) Fluoranthene	19.209	202	3841414	63.934	ng		100
77) Benzidine	19.392	184	1902050	64.043	ng		100
78) Pyrene	19.568	202	4035214	56.687	ng		100
80) Butylbenzylphthalate	20.480	149	1522384	64.115	ng		97
81) Benzo(a)anthracene	21.368	228	4055461	60.666	ng		100
82) 3,3'-Dichlorobenzidine	21.292	252	1424421	69.874	ng		100
83) Chrysene	21.433	228	3854906	60.623	ng		99
84) Bis(2-ethylhexyl)phtha...	21.321	149	2349225	64.231	ng		100
85) Di-n-octyl phthalate	22.462	149	3946065	72.708	ng		100
87) Indeno(1,2,3-cd)pyrene	27.762	276	5275171	68.579	ng	#	92
88) Benzo(b)fluoranthene	23.433	252	4222358	60.790	ng		99
89) Benzo(k)fluoranthene	23.503	252	4265446	60.156	ng		100
90) Benzo(a)pyrene	24.238	252	4132525	63.280	ng		100
91) Dibenzo(a,h)anthracene	27.821	278	4258292	68.201	ng		99
92) Benzo(g,h,i)perylene	28.809	276	4279836	68.486	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

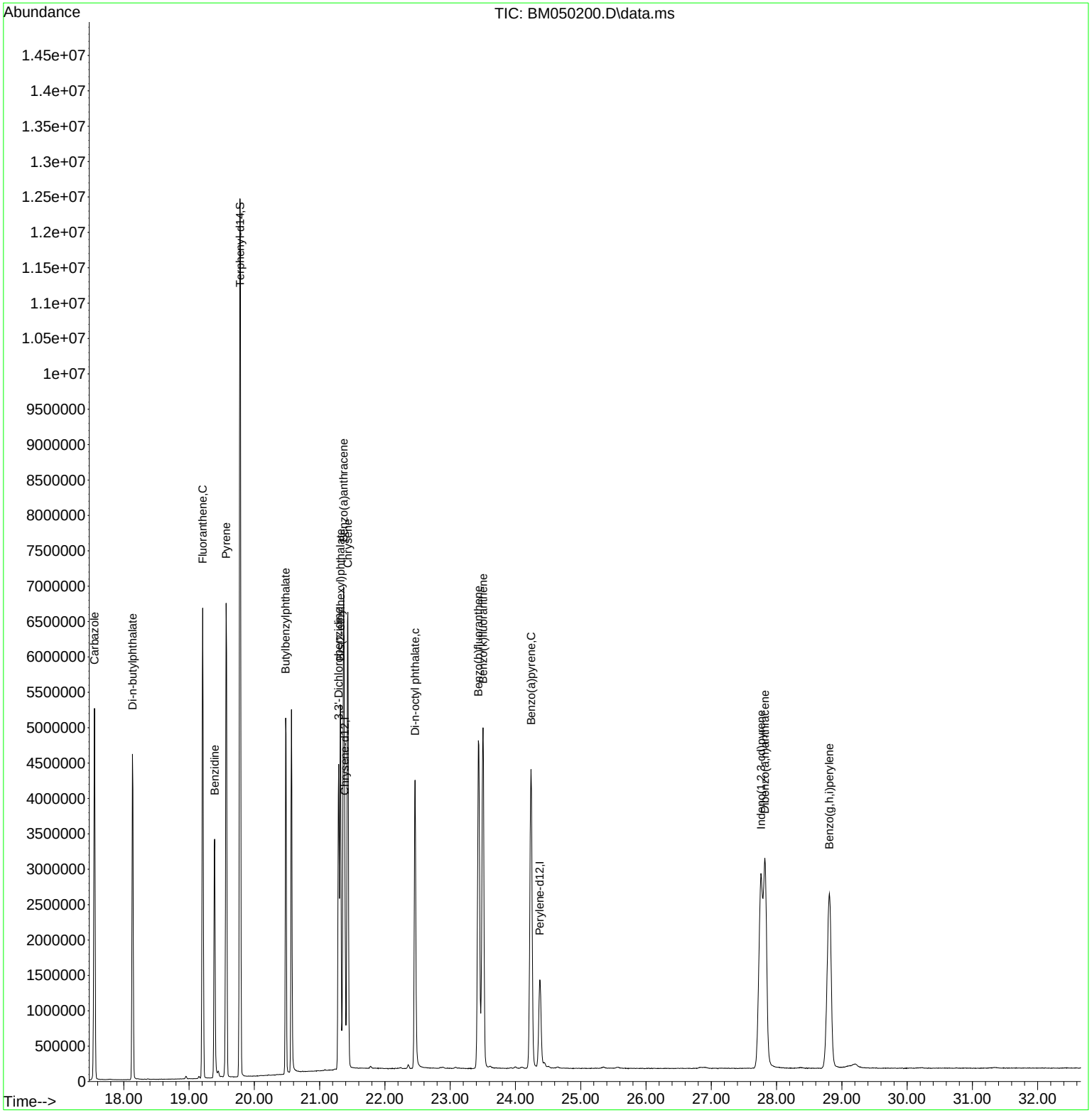
Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

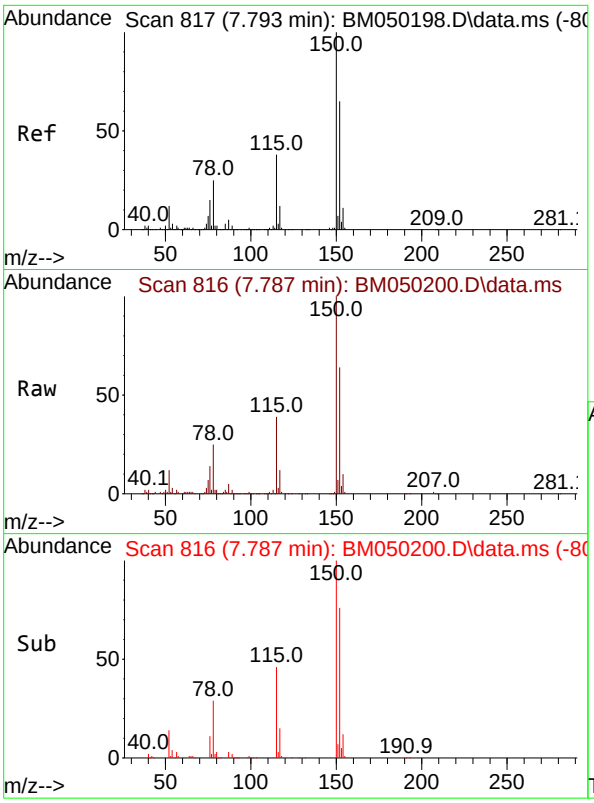


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



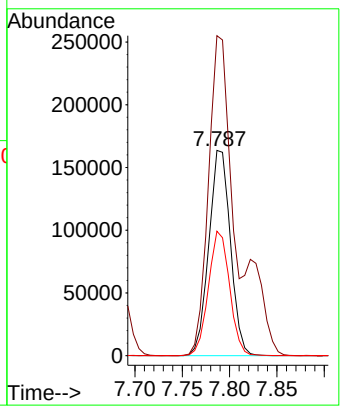


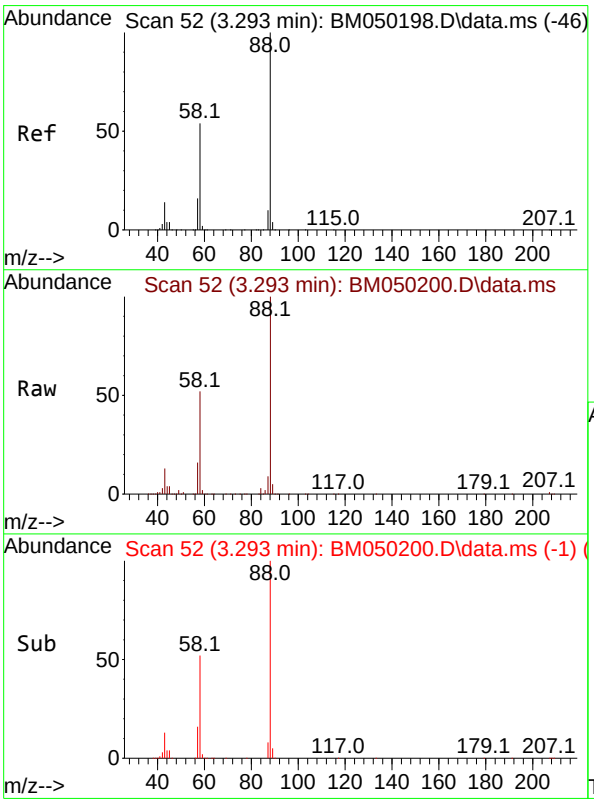
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 258988

Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.2	183.4
115	60.6	46.3	69.5

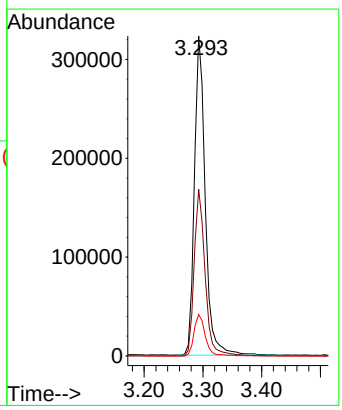


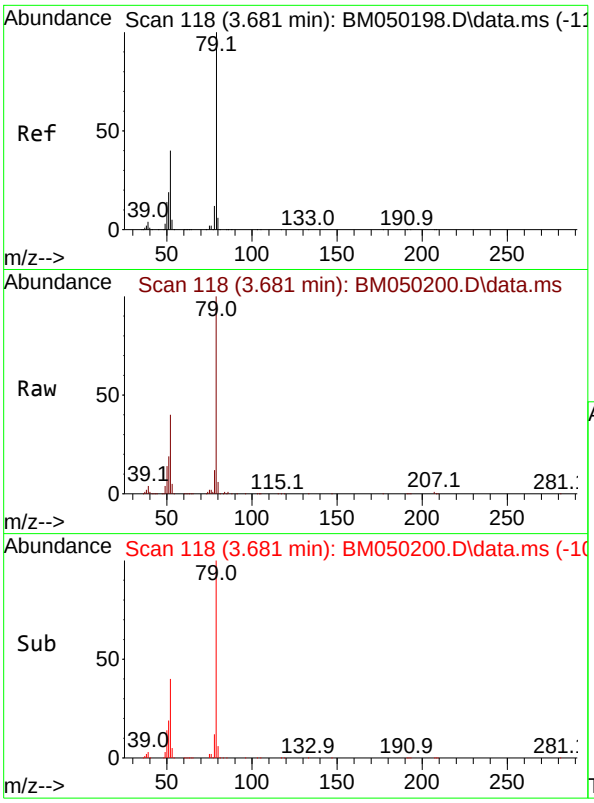


#2
1,4-Dioxane
Concen: 61.170 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 88 Resp: 416291

Ion	Ratio	Lower	Upper
88	100		
58	52.4	42.9	64.3
43	13.5	11.0	16.6



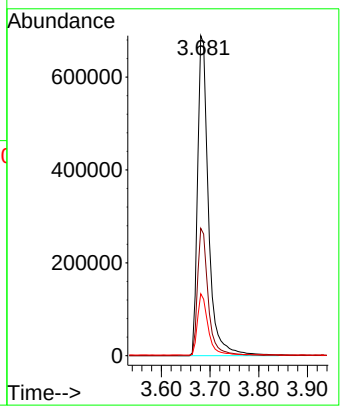


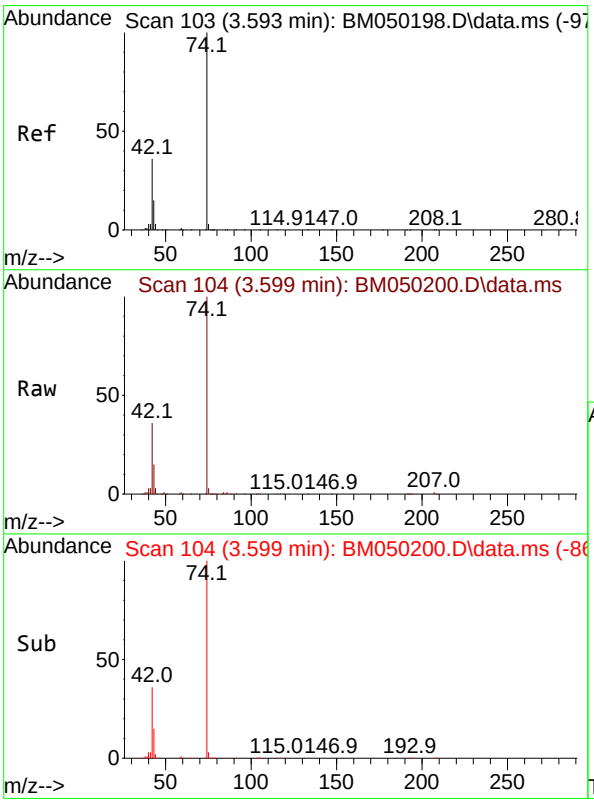
#3
Pyridine
Concen: 61.229 ng
RT: 3.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1079098

Ion	Ratio	Lower	Upper
79	100		
52	39.8	32.1	48.1
51	19.4	15.4	23.0

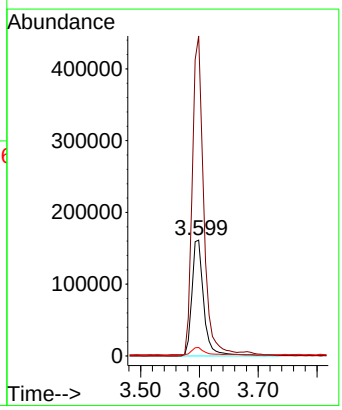


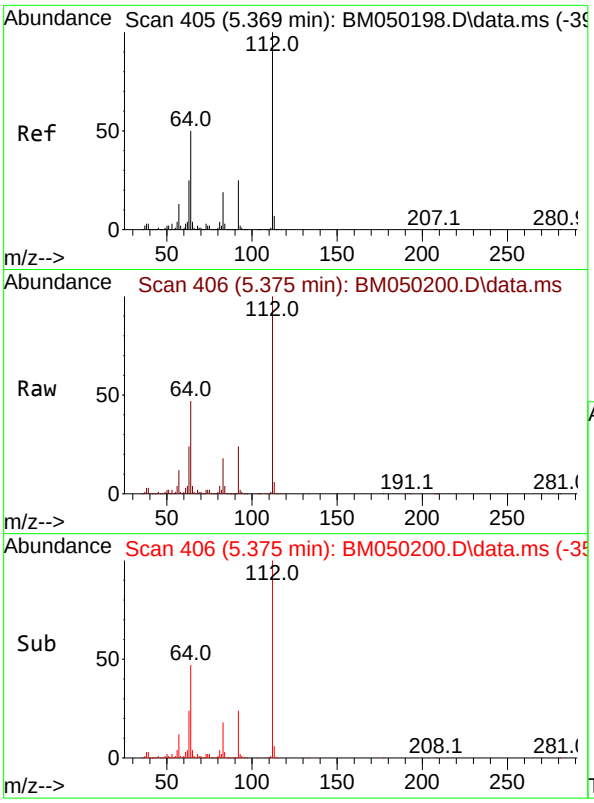


#4
n-Nitrosodimethylamine
Concen: 62.498 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 42 Resp: 227764

Ion	Ratio	Lower	Upper
42	100		
74	276.4	222.0	333.0
44	7.4	7.0	10.6



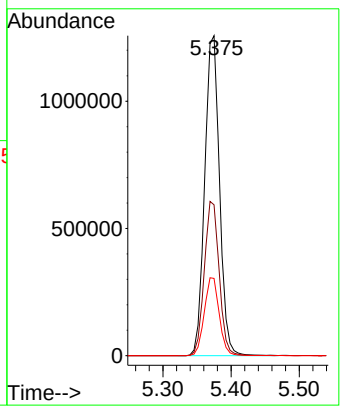


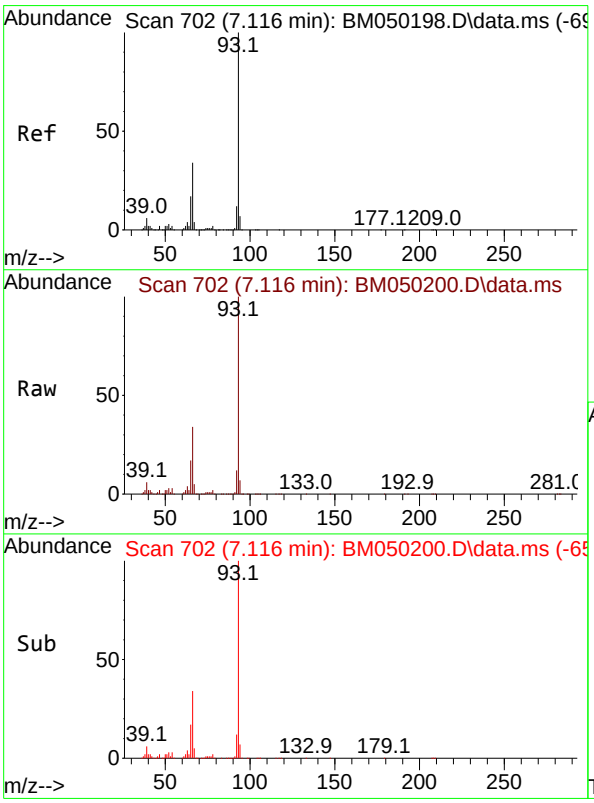
#5
2-Fluorophenol
Concen: 122.462 ng
RT: 5.375 min Scan# 4
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1901282

Ion	Ratio	Lower	Upper
112	100		
64	47.1	39.8	59.6
63	24.2	19.8	29.8

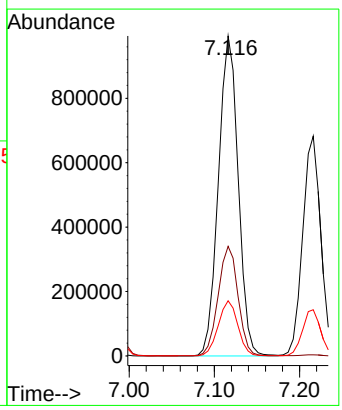


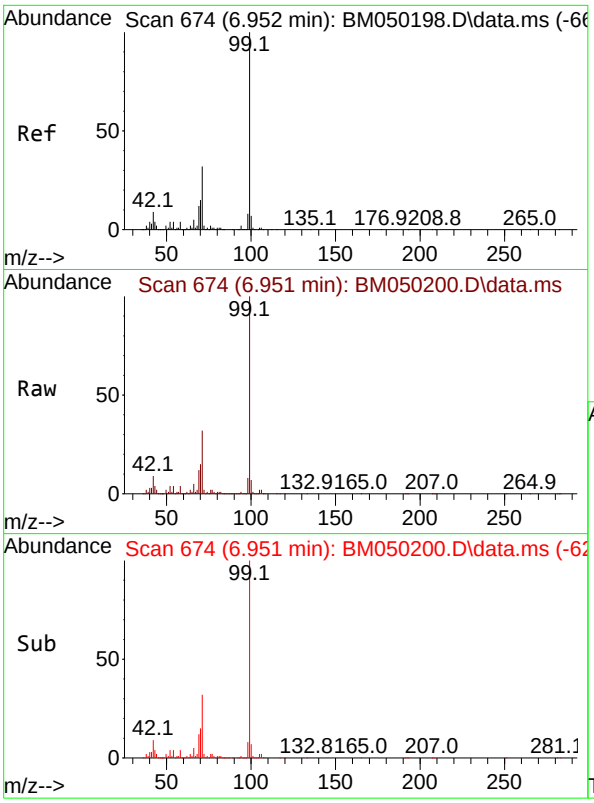


#6
Aniline
Concen: 59.359 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 93 Resp: 1603778

Ion	Ratio	Lower	Upper
93	100		
66	34.2	27.4	41.2
65	17.3	13.6	20.4



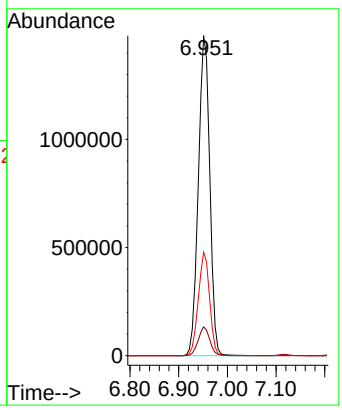


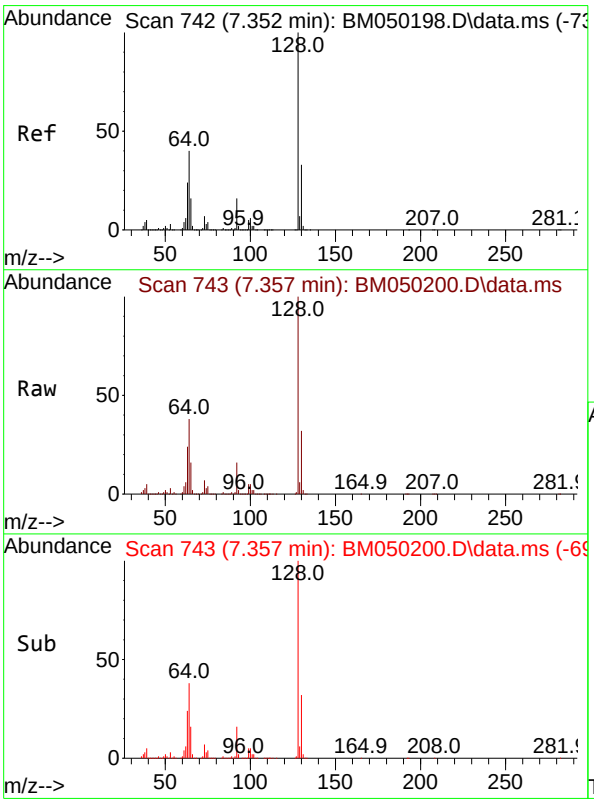
#7
Phenol-d6
Concen: 118.624 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2424424

Ion	Ratio	Lower	Upper
99	100		
42	9.0	6.9	10.3
71	32.3	25.3	37.9

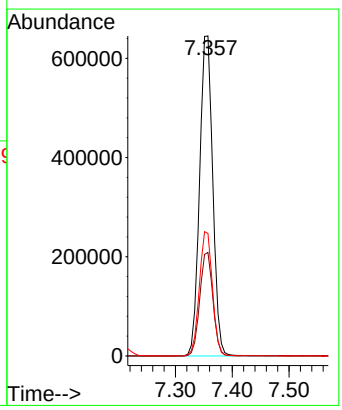


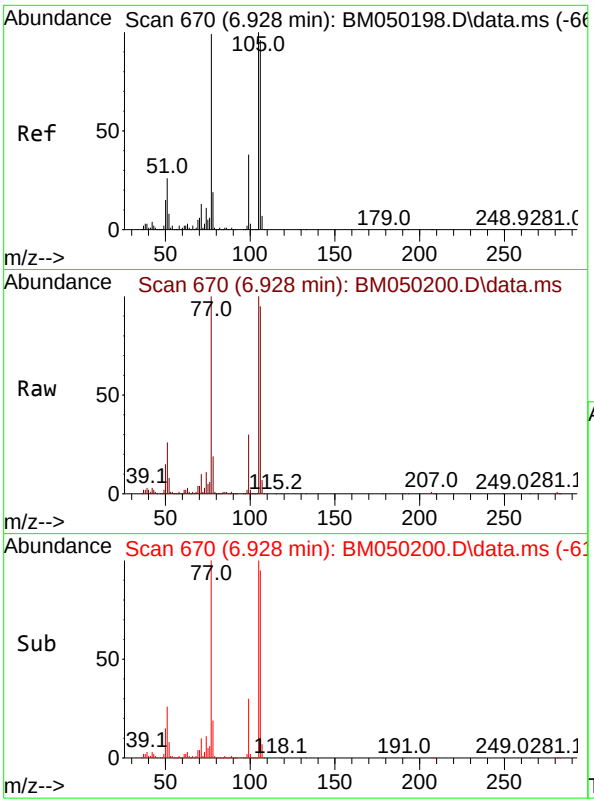


#8
2-Chlorophenol
Concen: 60.866 ng
RT: 7.357 min Scan# 743
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:128 Resp: 1039425

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	38.3	19.8	59.8



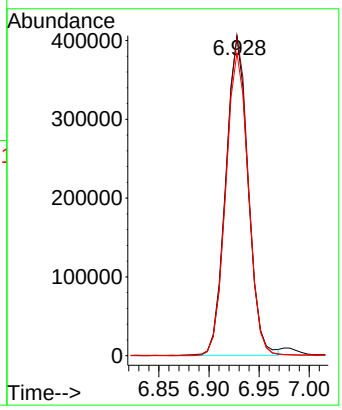


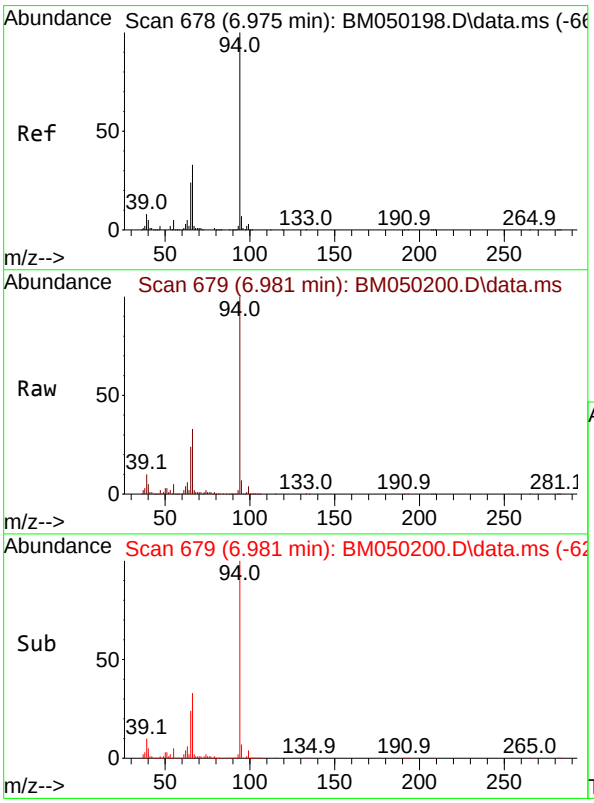
#9
Benzaldehyde
Concen: 48.050 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 624366

Ion	Ratio	Lower	Upper
77	100		
105	100.4	80.9	120.9
106	95.0	77.1	117.1

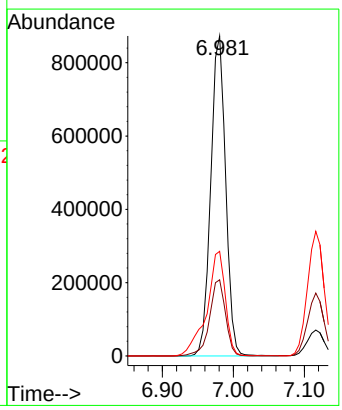


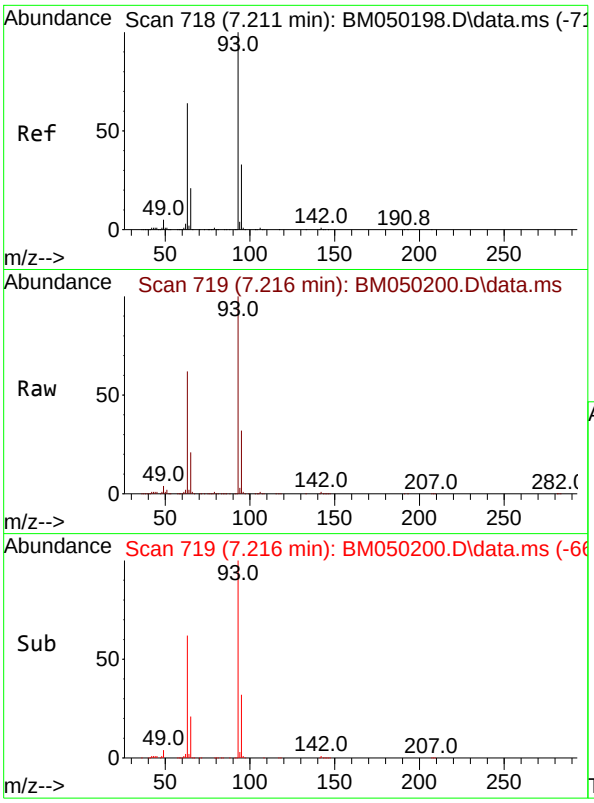


#10
Phenol
Concen: 58.814 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 94 Resp: 1271828

Ion	Ratio	Lower	Upper
94	100		
65	23.8	4.3	44.3
66	32.7	12.9	52.9



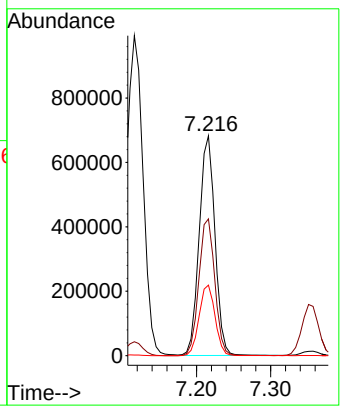


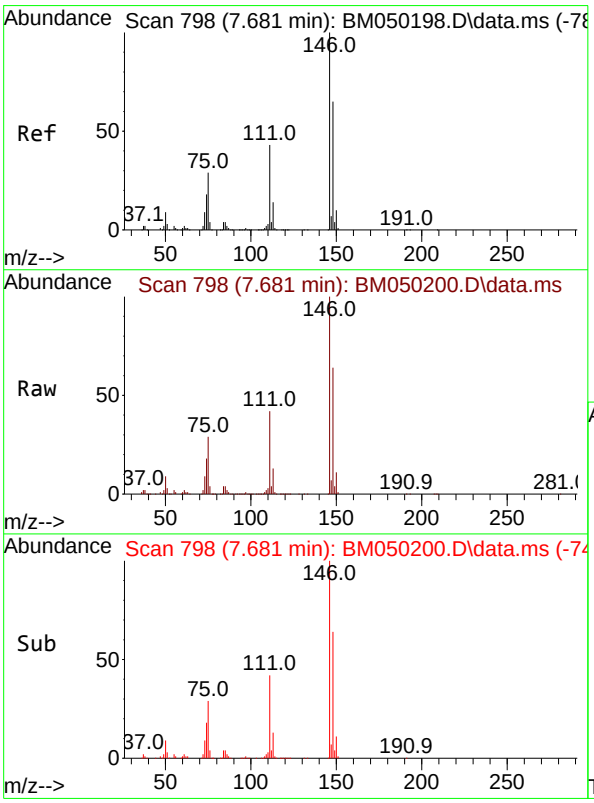
#11
bis(2-Chloroethyl)ether
Concen: 57.865 ng
RT: 7.216 min Scan# 71
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1006488

Ion	Ratio	Lower	Upper
93	100		
63	62.2	43.9	83.9
95	32.1	12.7	52.7

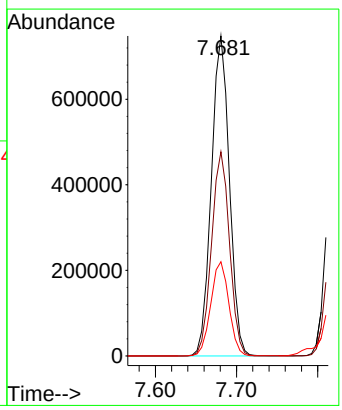


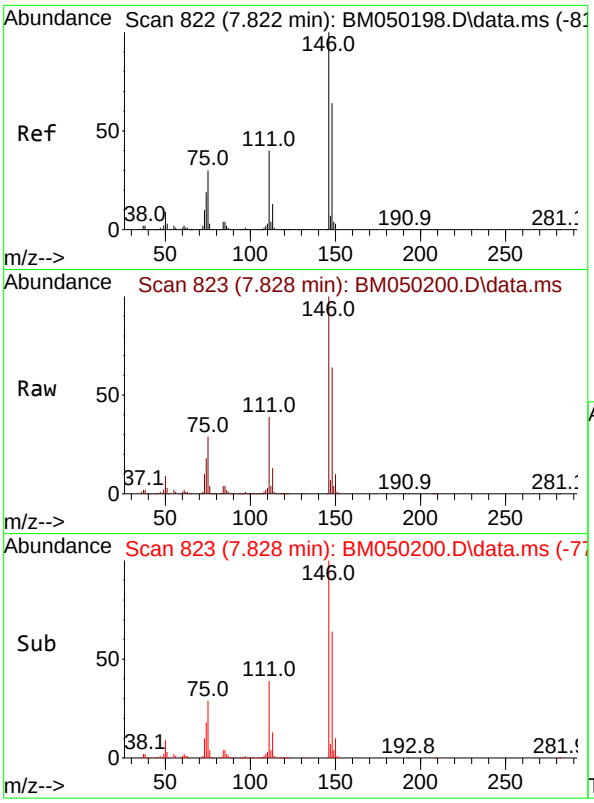


#12
1,3-Dichlorobenzene
Concen: 60.449 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:146 Resp: 1154067

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
75	29.4	23.4	35.0



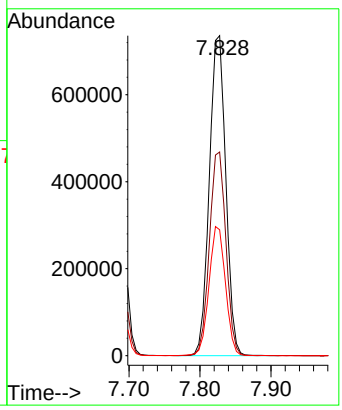


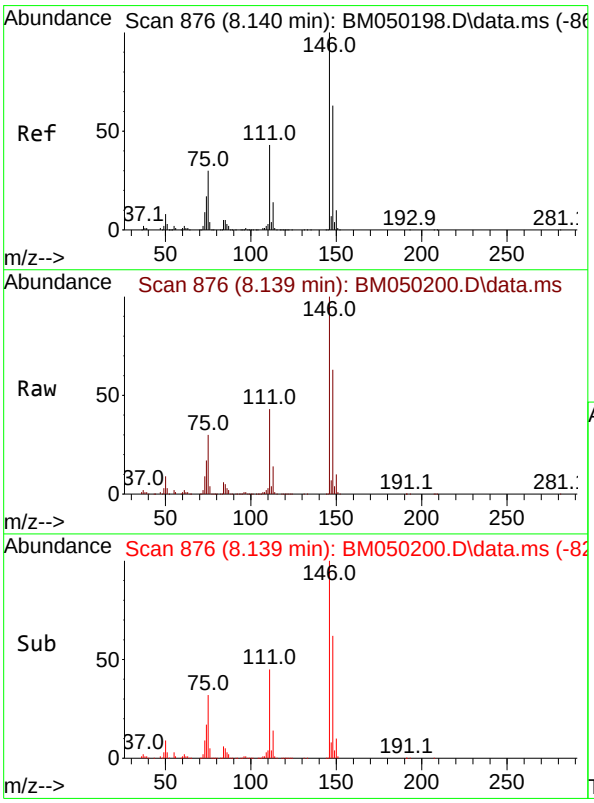
#13
1,4-Dichlorobenzene
Concen: 59.650 ng
RT: 7.828 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1184887

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	39.4	32.3	48.5

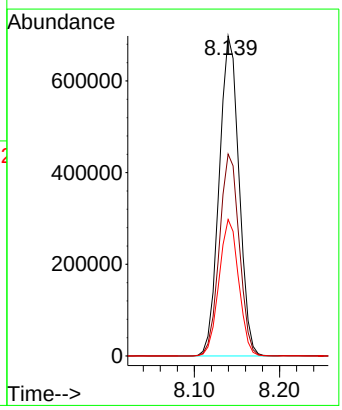


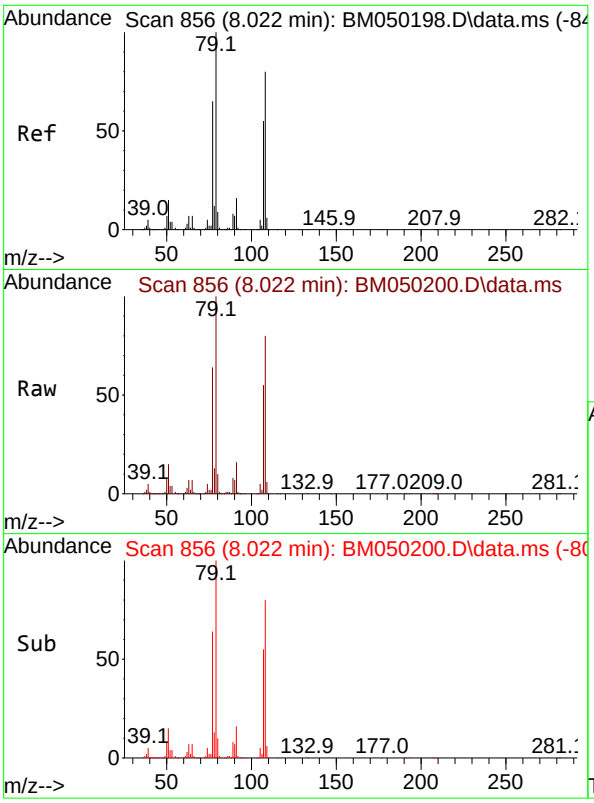


#14
1,2-Dichlorobenzene
Concen: 59.508 ng
RT: 8.139 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:146 Resp: 1126847

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.4	75.6
111	42.6	34.3	51.5



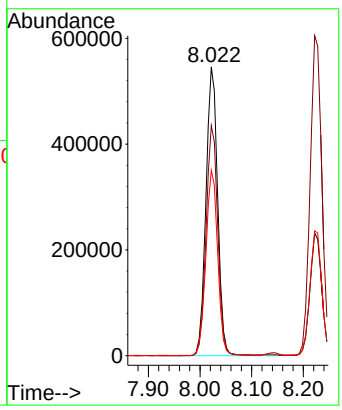


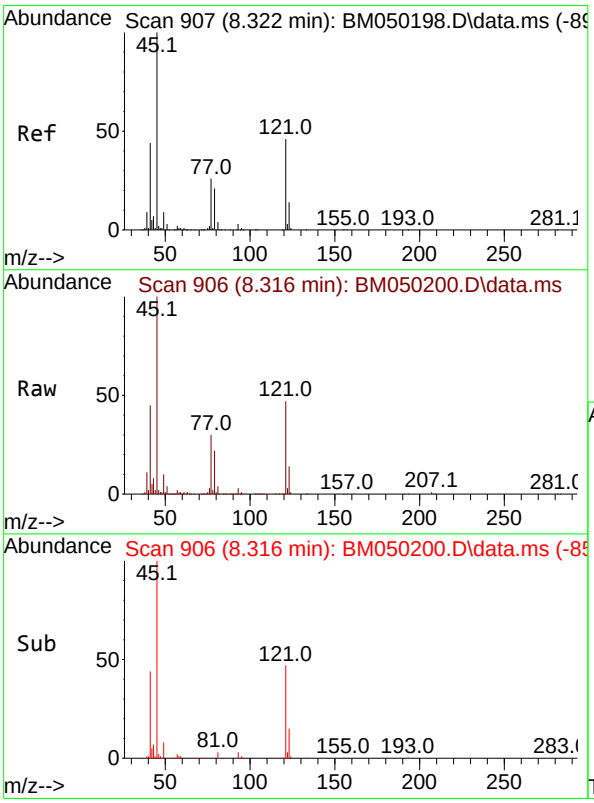
#15
Benzyl Alcohol
Concen: 58.731 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 856127

Ion	Ratio	Lower	Upper
79	100		
108	79.7	64.0	96.0
77	64.2	52.2	78.2

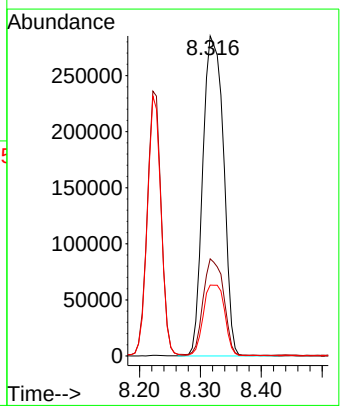


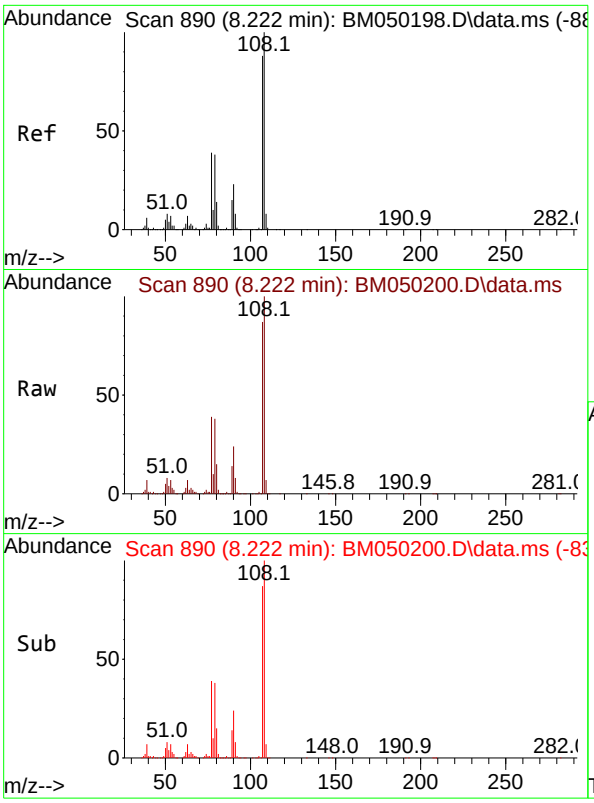


#16
2,2'-oxybis(1-Chloropropane)
Concen: 55.523 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 45 Resp: 670877

Ion	Ratio	Lower	Upper
45	100		
77	30.4	8.7	48.7
79	22.1	2.7	42.7



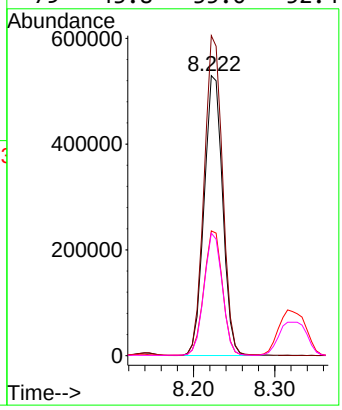


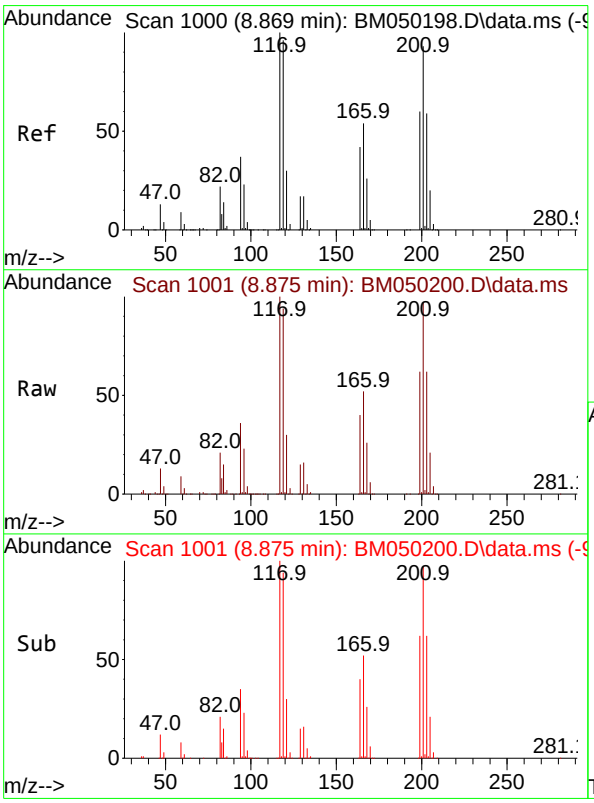
#17
2-Methylphenol
Concen: 58.654 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 836890

Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.8	136.2
77	44.6	35.7	53.5
79	43.8	35.0	52.4

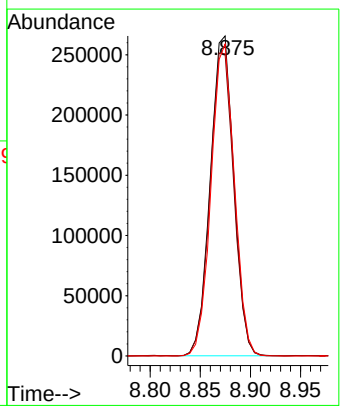


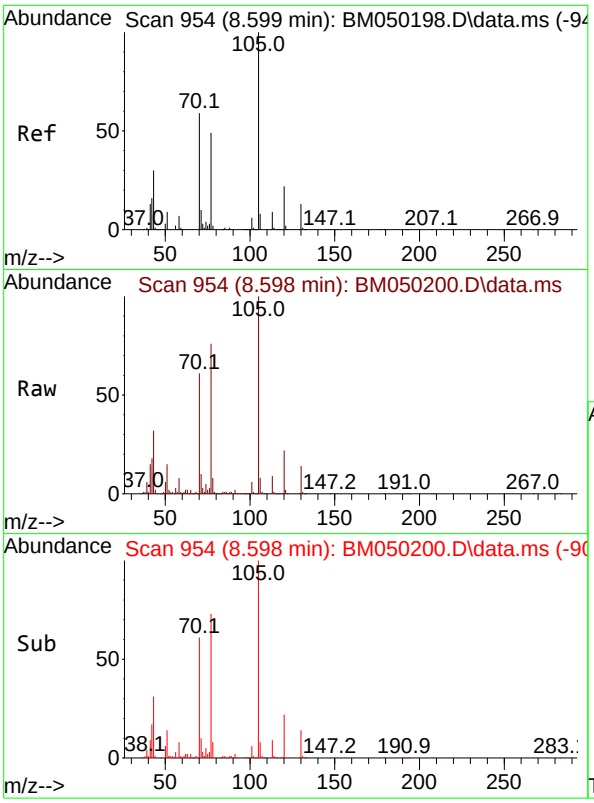


#18
Hexachloroethane
Concen: 60.370 ng
RT: 8.875 min Scan# 1001
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:117 Resp: 434277

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.6
201	97.5	74.6	111.8



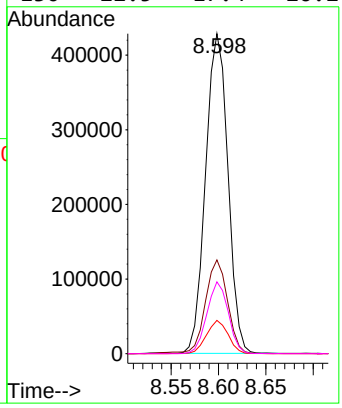


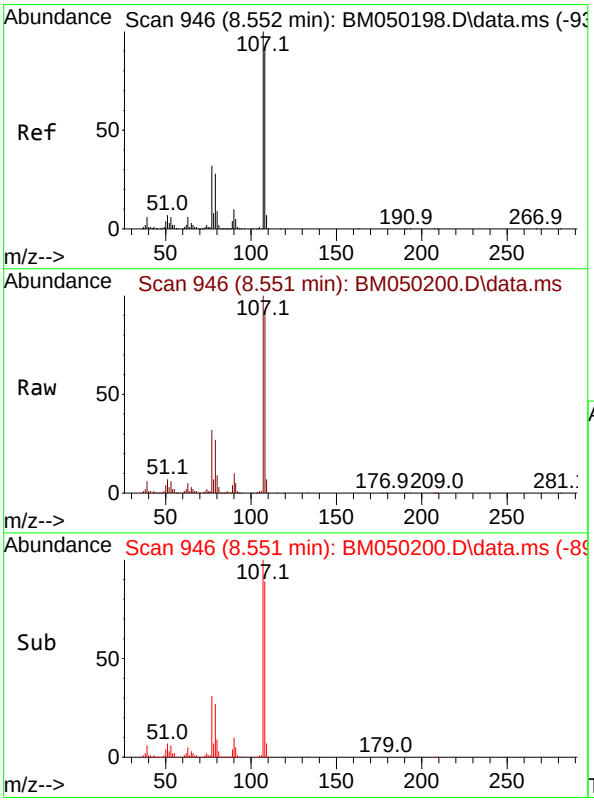
#19
n-Nitroso-di-n-propylamine
Concen: 56.257 ng
RT: 8.598 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 703599

Ion	Ratio	Lower	Upper
70	100		
42	29.3	22.6	33.8
101	10.4	8.3	12.5
130	22.5	17.4	26.2

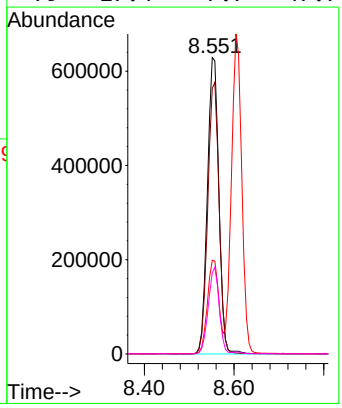


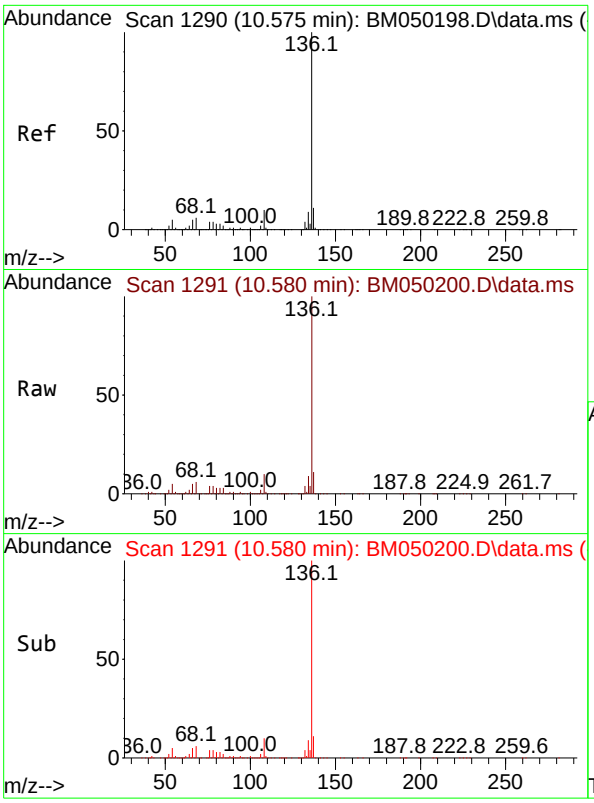


#20
3+4-Methylphenols
Concen: 58.468 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:107 Resp: 1116126

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.4	110.4
77	31.7	12.2	52.2
79	27.4	7.7	47.7



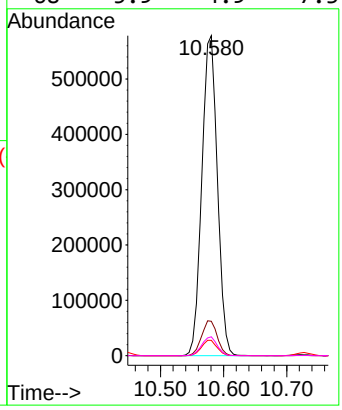


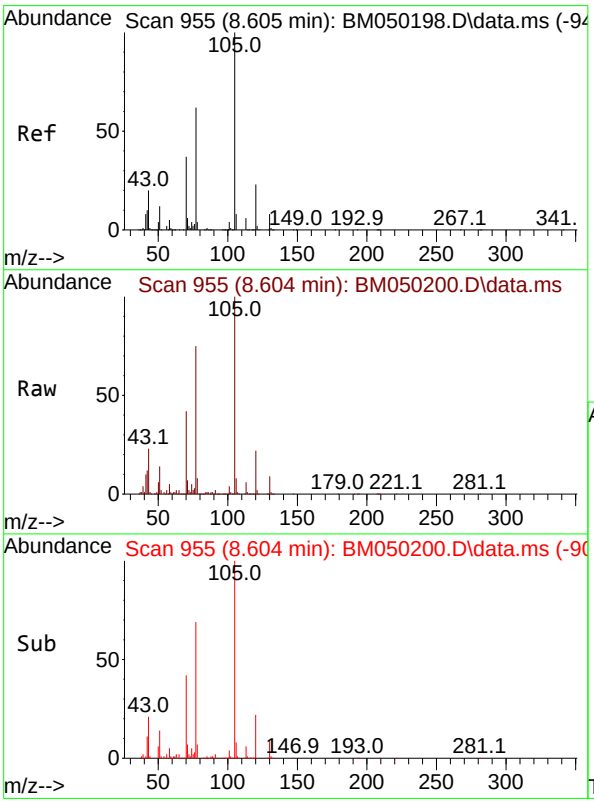
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 988400

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	4.8	3.8	5.8
68	5.9	4.9	7.3

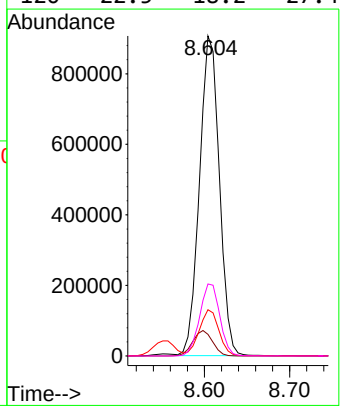


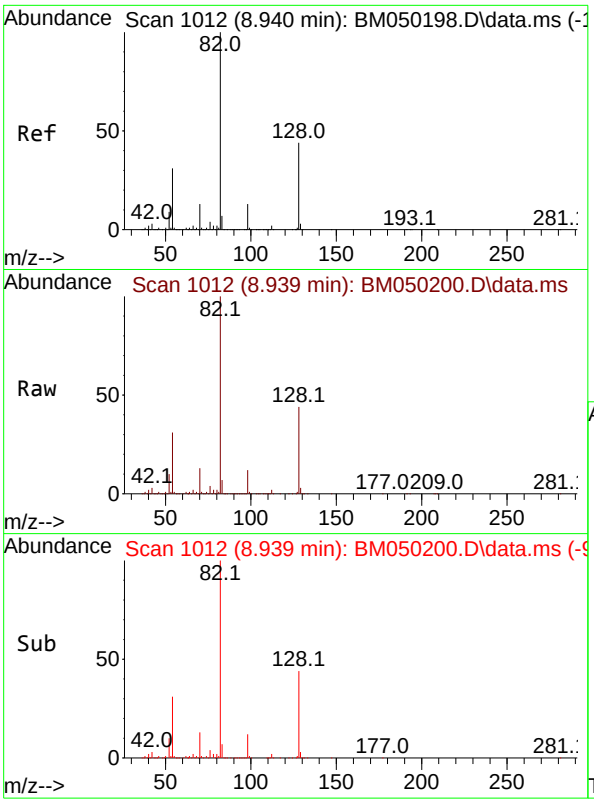


#22
Acetophenone
Concen: 59.449 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:105 Resp: 1467978

Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.0	7.4
51	14.5	11.4	17.2
120	22.5	18.2	27.4



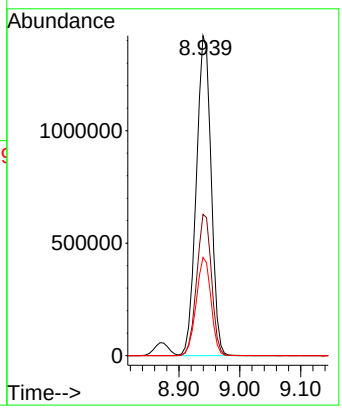


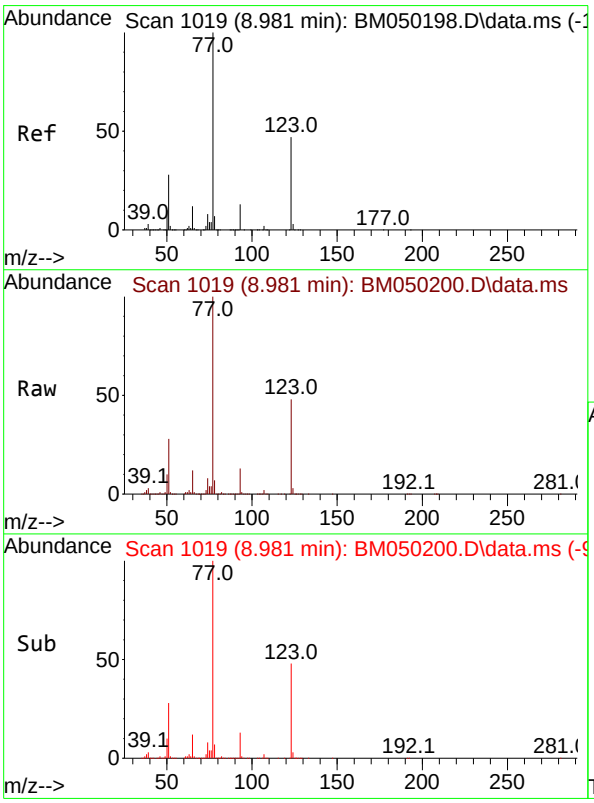
#23
Nitrobenzene-d5
Concen: 126.617 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2406327

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.2	52.8
54	30.7	24.5	36.7

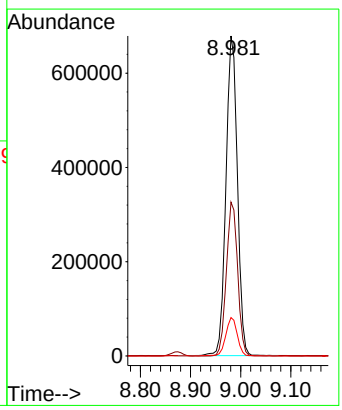


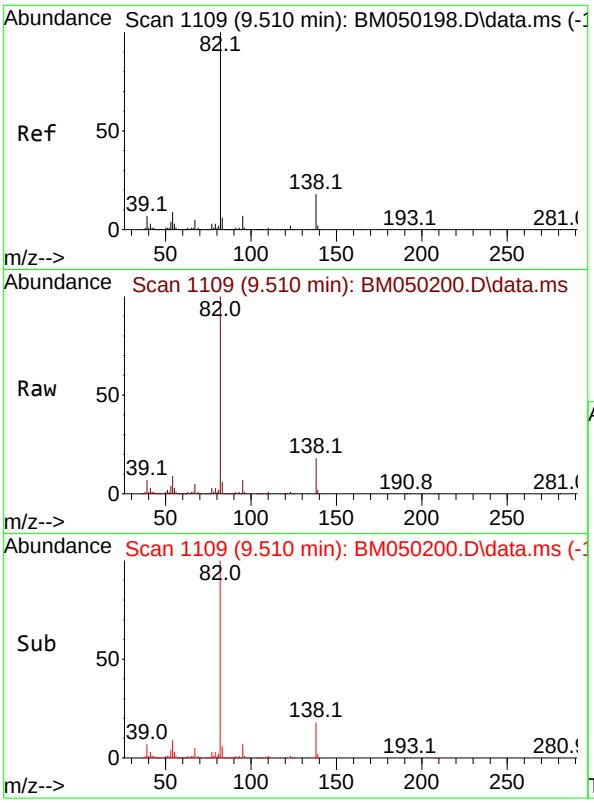


#24
Nitrobenzene
Concen: 62.349 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 77 Resp: 1077660

Ion	Ratio	Lower	Upper
77	100		
123	48.1	38.2	57.2
65	12.0	9.5	14.3



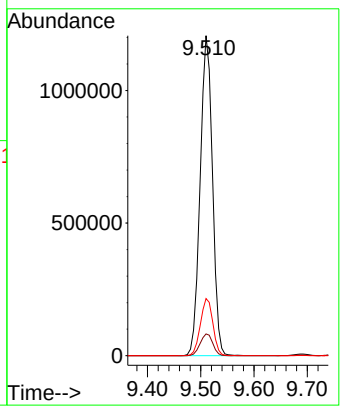


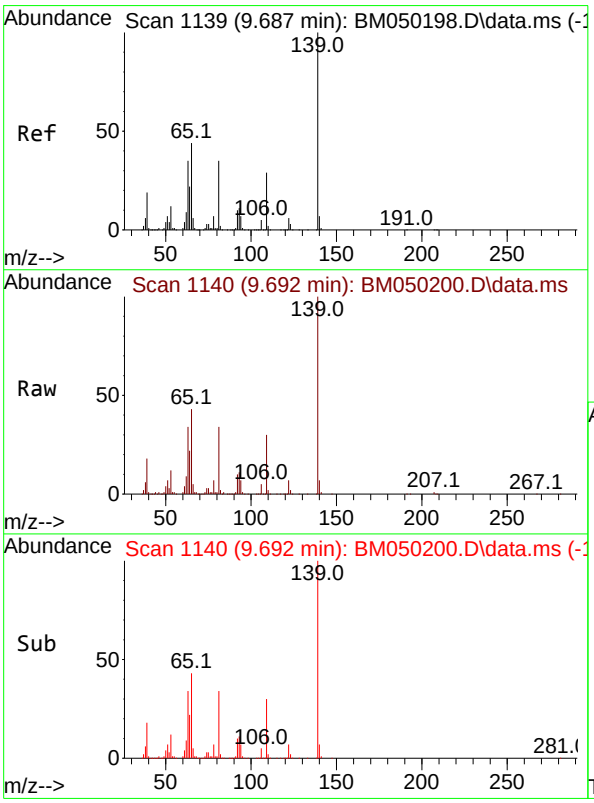
#25
Isophorone
Concen: 58.984 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1934777

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.7	8.5
138	17.8	14.2	21.2

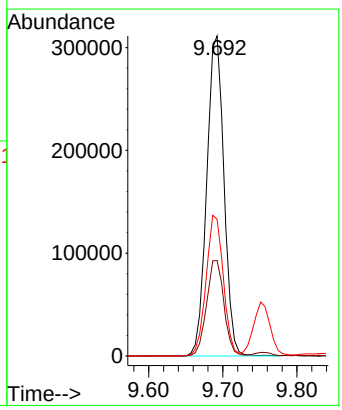


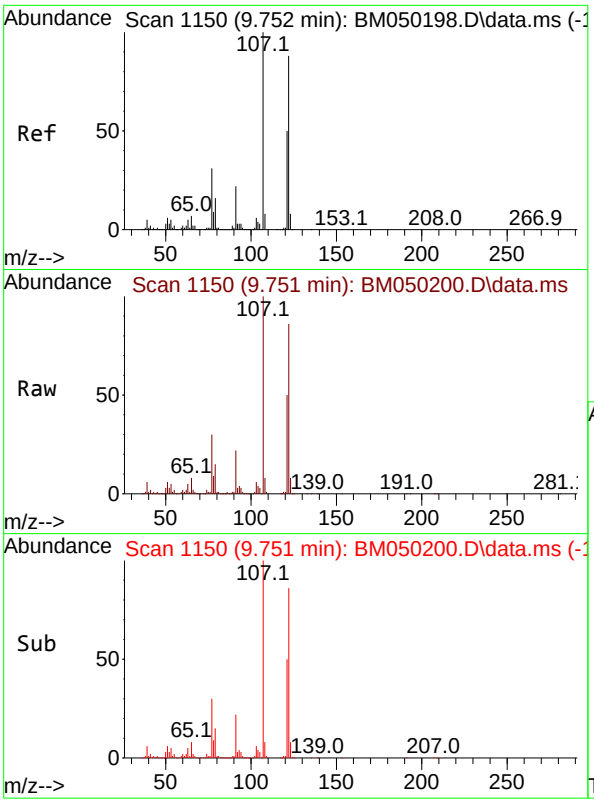


#26
2-Nitrophenol
Concen: 67.289 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:139 Resp: 502043

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.3	34.9
65	42.7	35.2	52.8



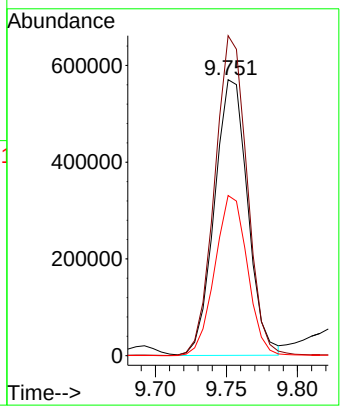


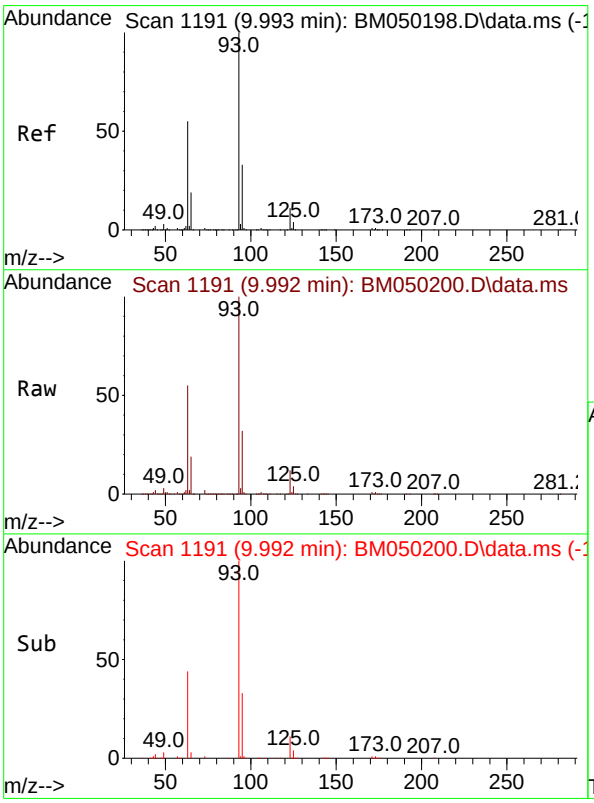
#27
2,4-Dimethylphenol
Concen: 60.457 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 927674

Ion	Ratio	Lower	Upper
122	100		
107	115.9	91.0	136.6
121	58.0	45.8	68.6

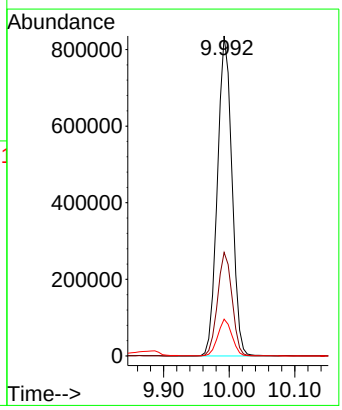


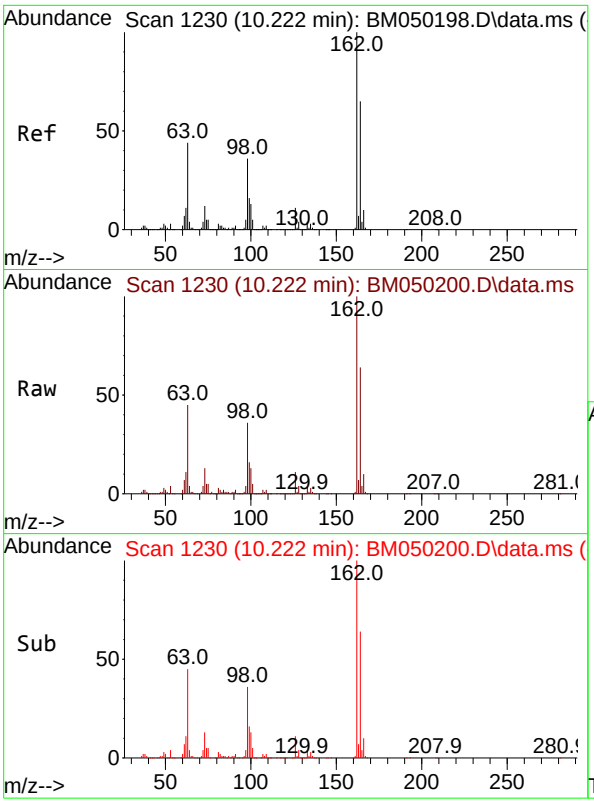


#28
bis(2-Chloroethoxy)methane
Concen: 59.764 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 93 Resp: 1280678

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.5	8.9	13.3



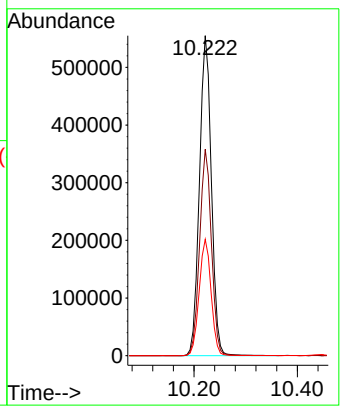


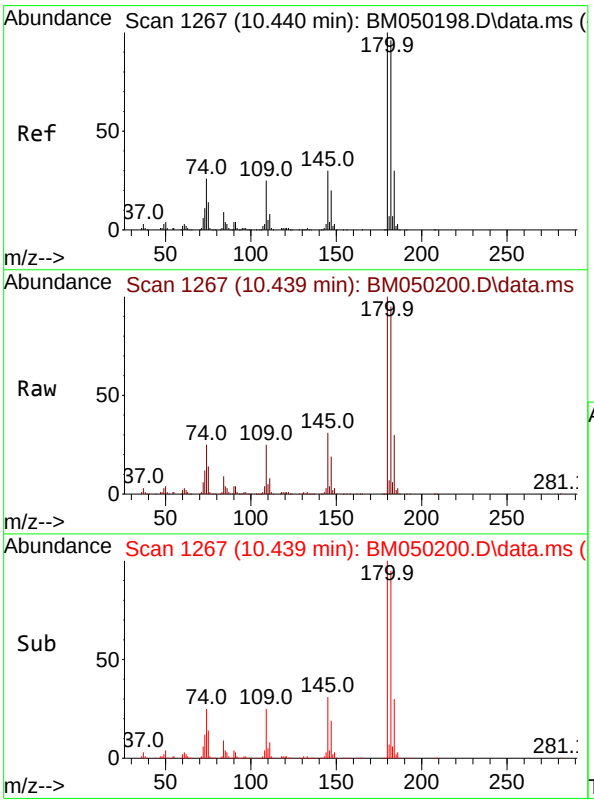
#29
2,4-Dichlorophenol
Concen: 62.710 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 889620

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.0	85.0
98	36.4	16.3	56.3

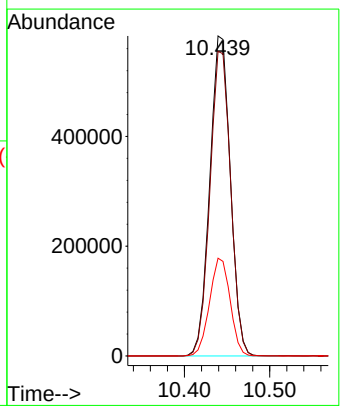


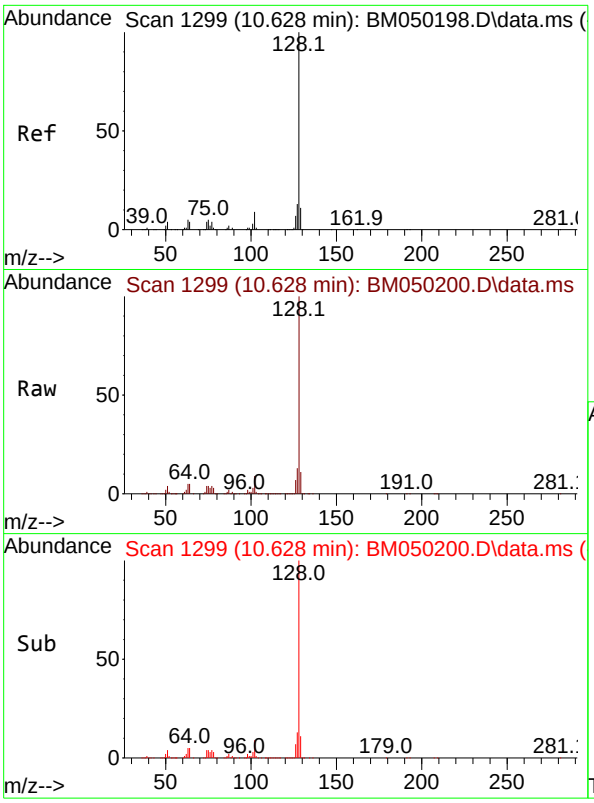


#30
1,2,4-Trichlorobenzene
Concen: 61.950 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:180 Resp: 977963

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	114.8
145	30.5	24.2	36.4



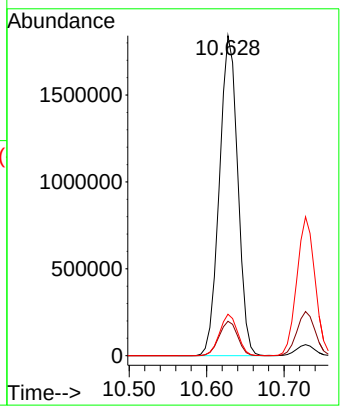


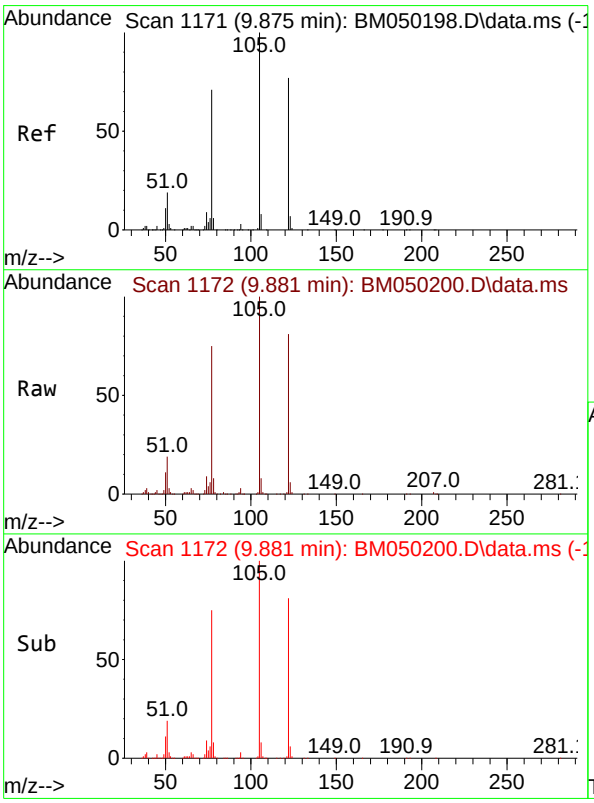
#31
Naphthalene
Concen: 59.457 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3038415

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	12.9	10.2	15.4

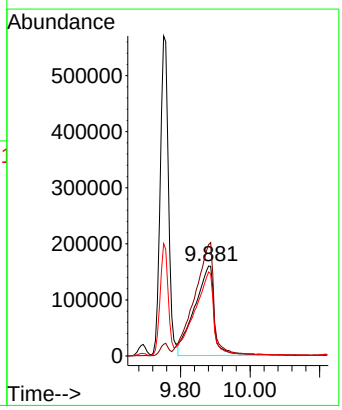


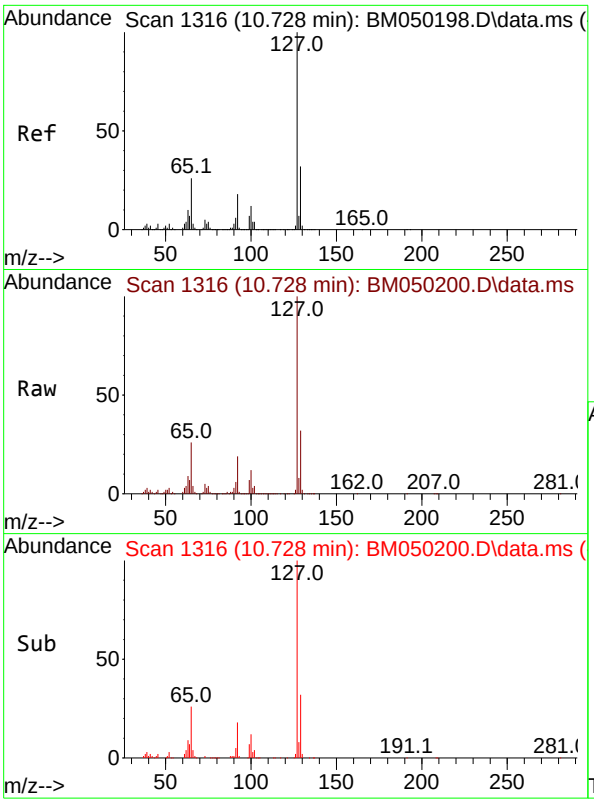


#32
Benzoic acid
Concen: 64.846 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:122 Resp: 624735

Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.4	143.4
77	93.3	70.3	110.3



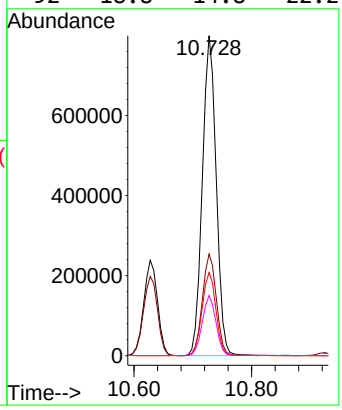


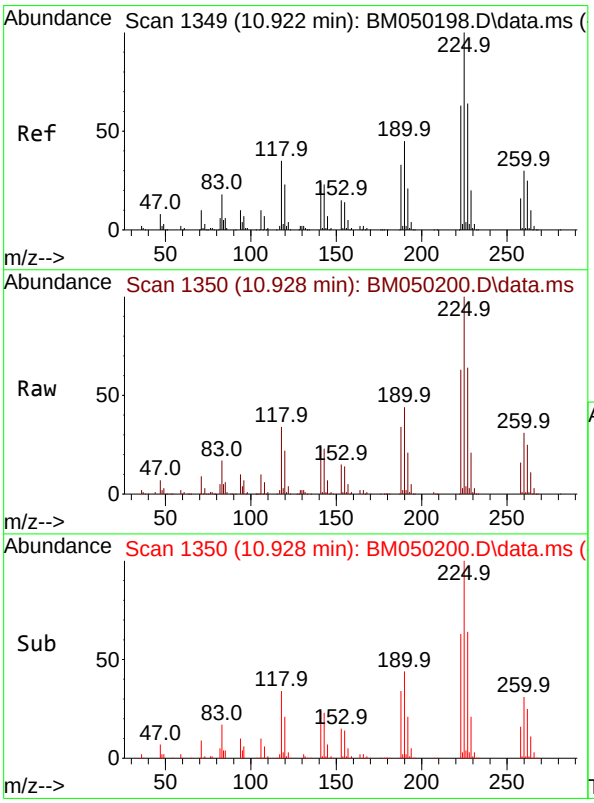
#33
4-Chloroaniline
Concen: 59.885 ng
RT: 10.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1304717

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.4	38.0
65	26.0	21.0	31.4
92	18.8	14.8	22.2

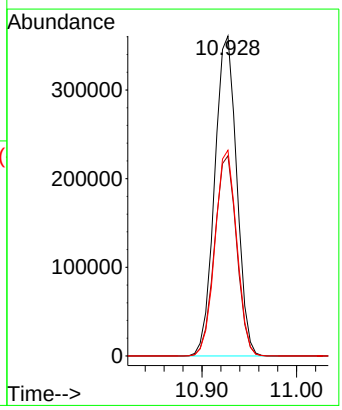


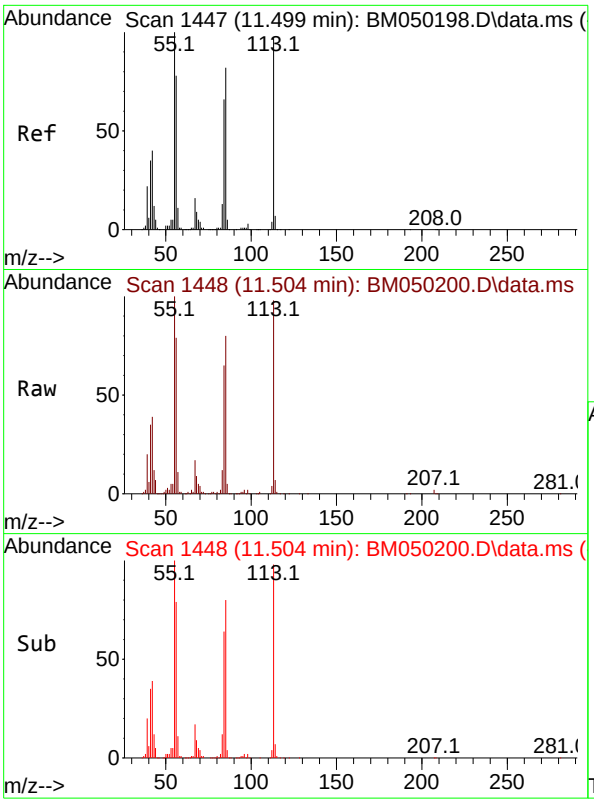


#34
Hexachlorobutadiene
Concen: 62.229 ng
RT: 10.928 min Scan# 1350
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:225 Resp: 584323

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	64.3	51.0	76.4



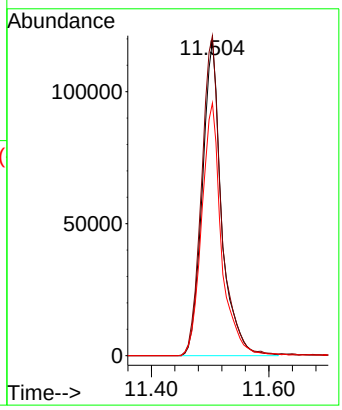


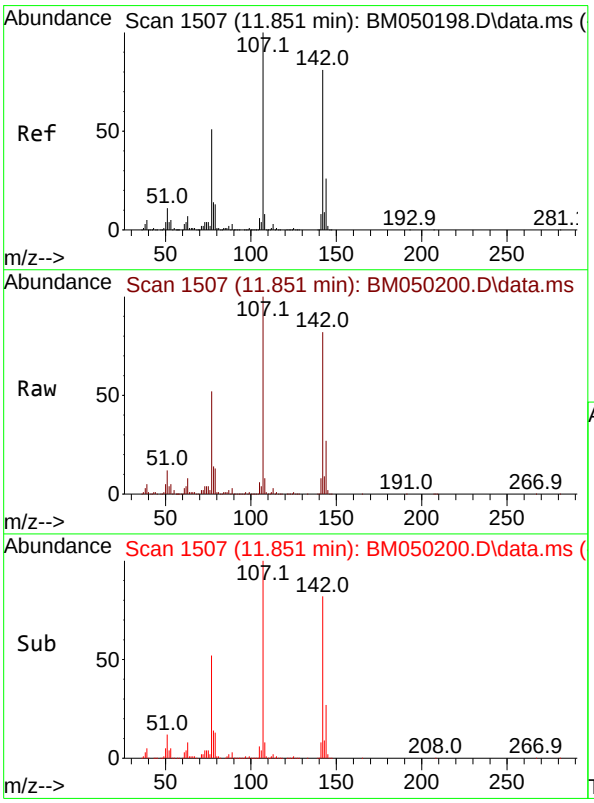
#35
Caprolactam
Concen: 60.374 ng
RT: 11.504 min Scan# 14
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 271534

Ion	Ratio	Lower	Upper
113	100		
55	101.8	83.5	123.5
56	80.4	60.6	100.6

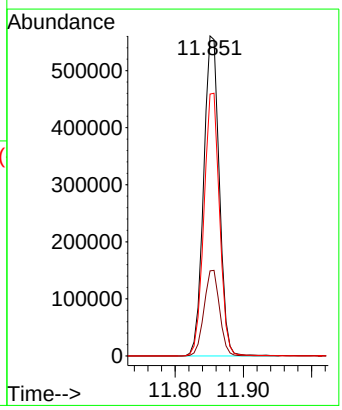


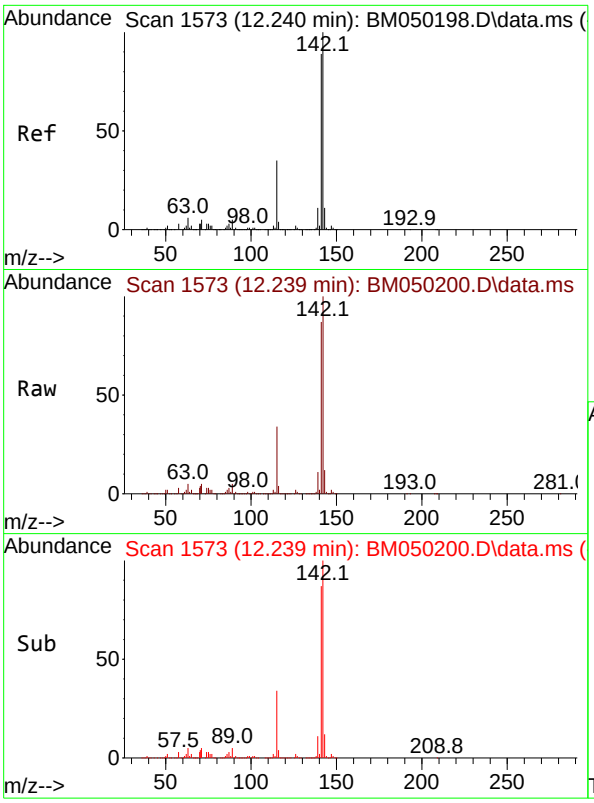


#36
4-Chloro-3-methylphenol
Concen: 59.248 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:107 Resp: 896859

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.0	31.6
142	81.9	64.8	97.2



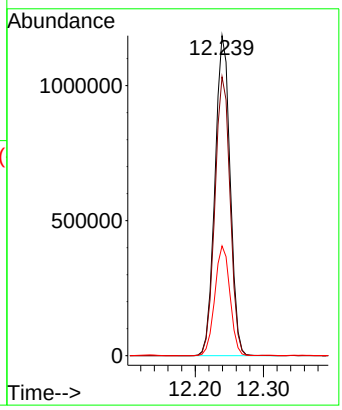


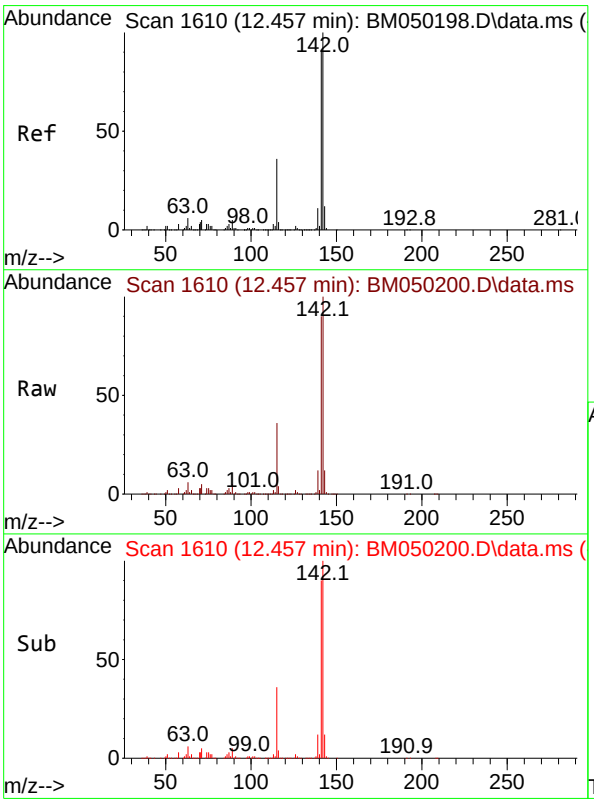
#37
2-Methylnaphthalene
Concen: 59.497 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1834221

Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.5	107.3
115	34.3	27.8	41.8

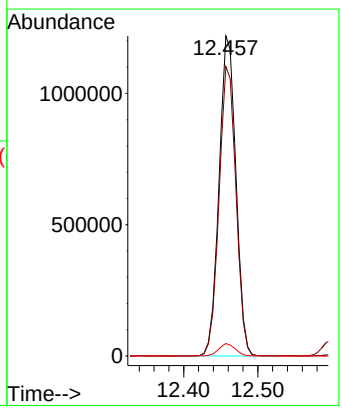


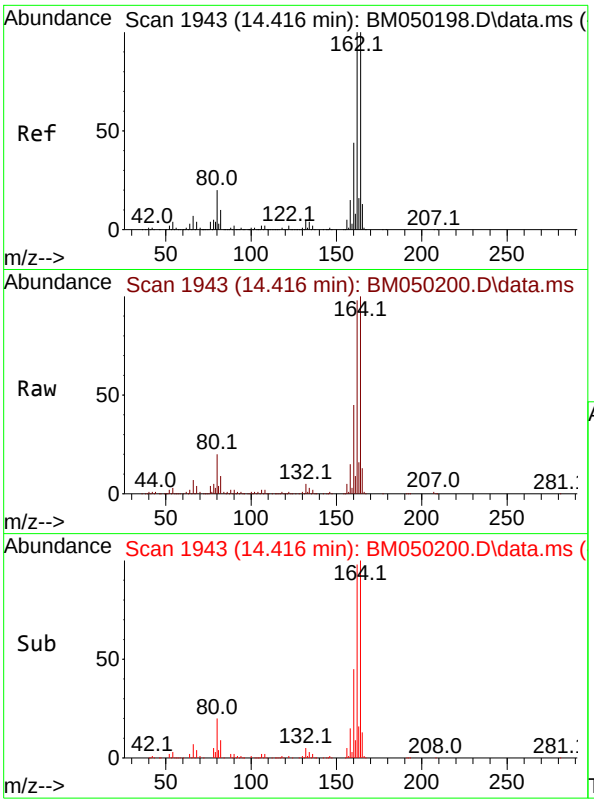


#38
1-Methylnaphthalene
Concen: 58.741 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:142 Resp: 1922042

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.9	109.3
116	3.9	3.0	4.6



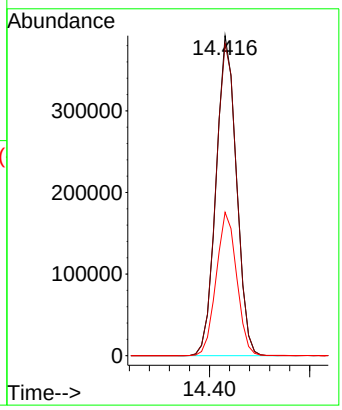


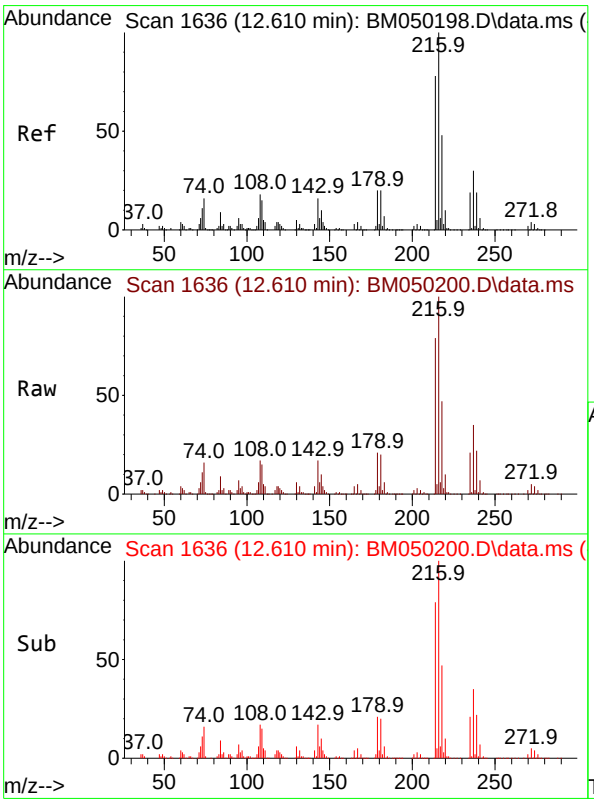
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 551586

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.2	120.4
160	44.8	35.7	53.5

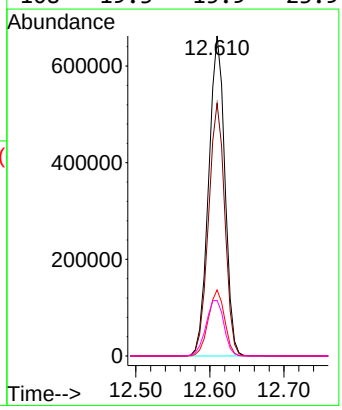


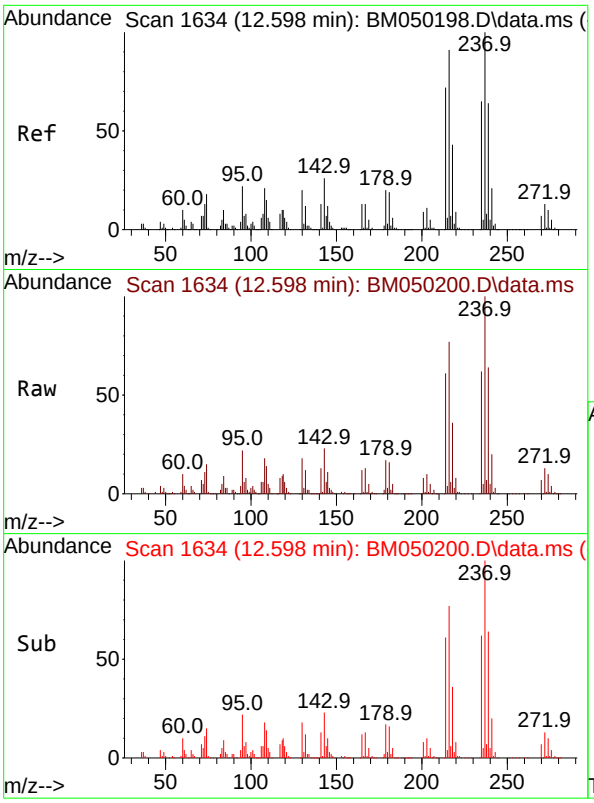


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.035 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:216 Resp: 1003997

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	20.7	16.6	25.0
108	19.3	15.9	23.9



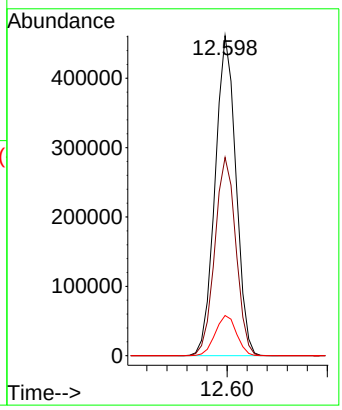


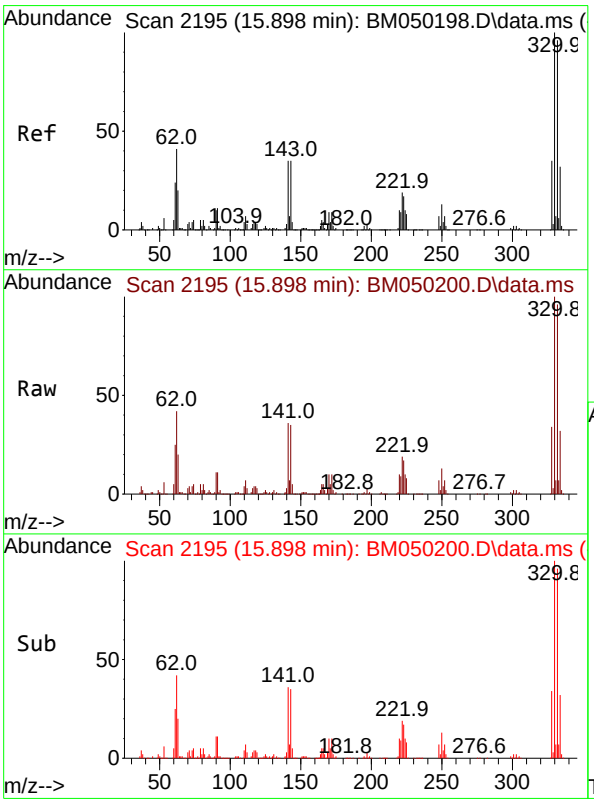
#41
Hexachlorocyclopentadiene
Concen: 68.632 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 663873

Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.6	84.6
272	12.6	0.0	33.1

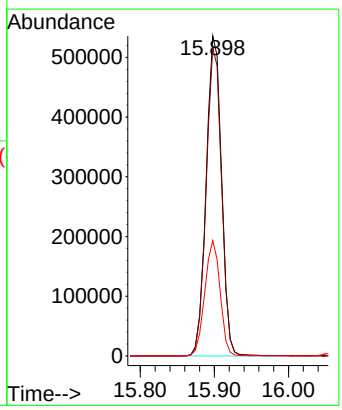


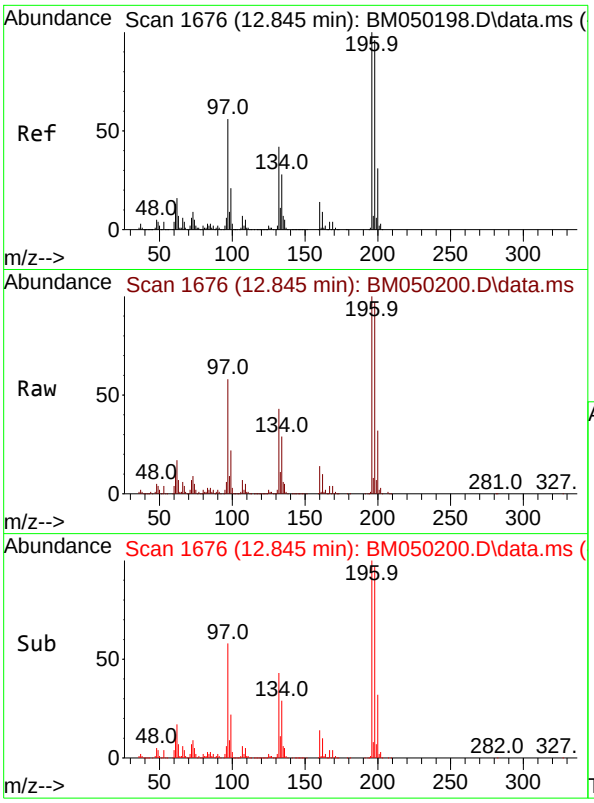


#42
2,4,6-Tribromophenol
Concen: 123.062 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:330 Resp: 772080

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.5	116.3
141	35.9	28.8	43.2



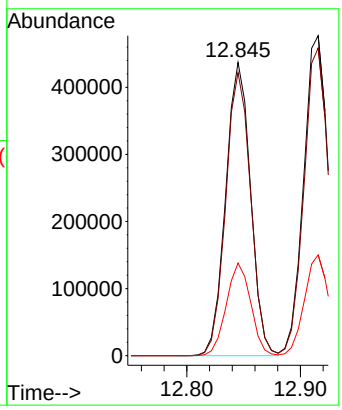


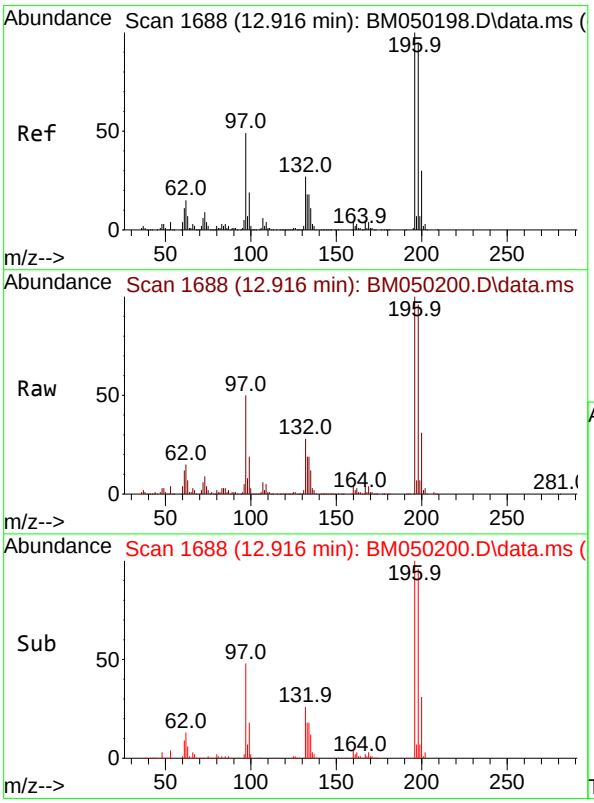
#43
2,4,6-Trichlorophenol
Concen: 63.528 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 665409

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.6	115.0
200	31.6	24.5	36.7

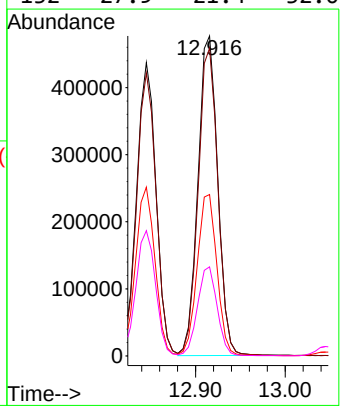


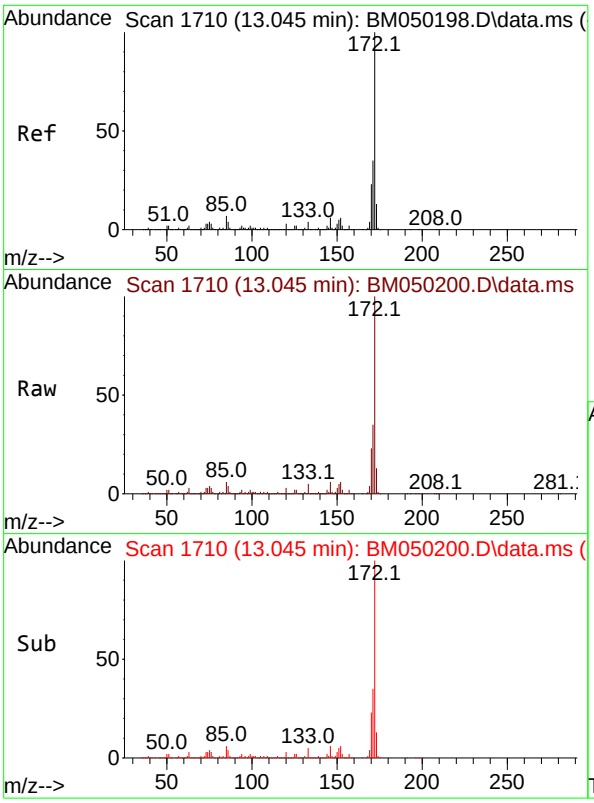


#44
2,4,5-Trichlorophenol
Concen: 63.531 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:196 Resp: 730617

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	50.5	39.3	58.9
132	27.9	21.4	32.0



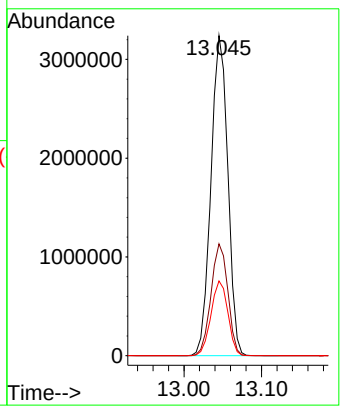


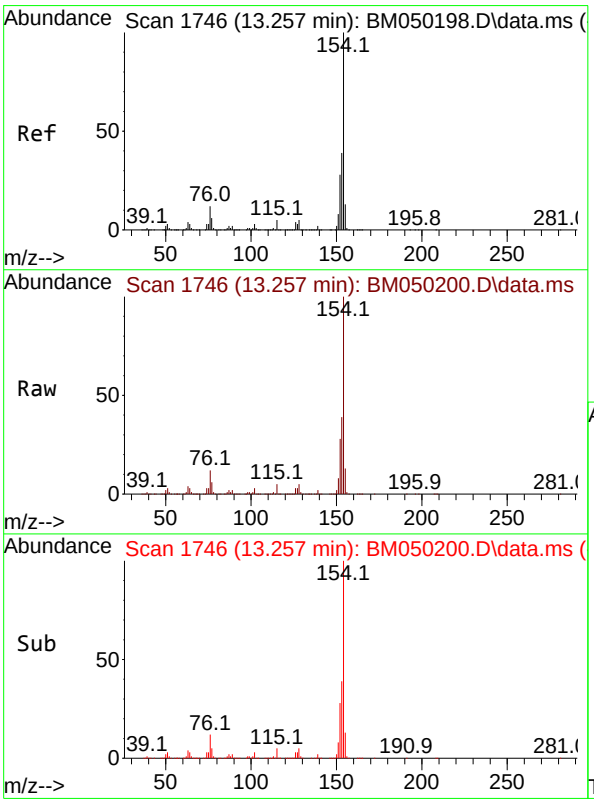
#45
2-Fluorobiphenyl
Concen: 120.225 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 4898196

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.6	27.8

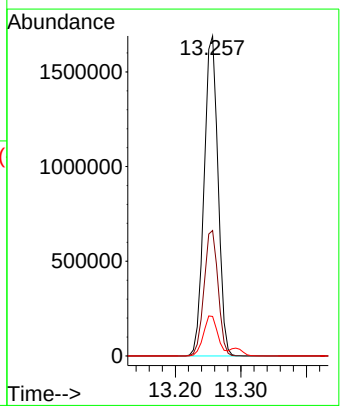


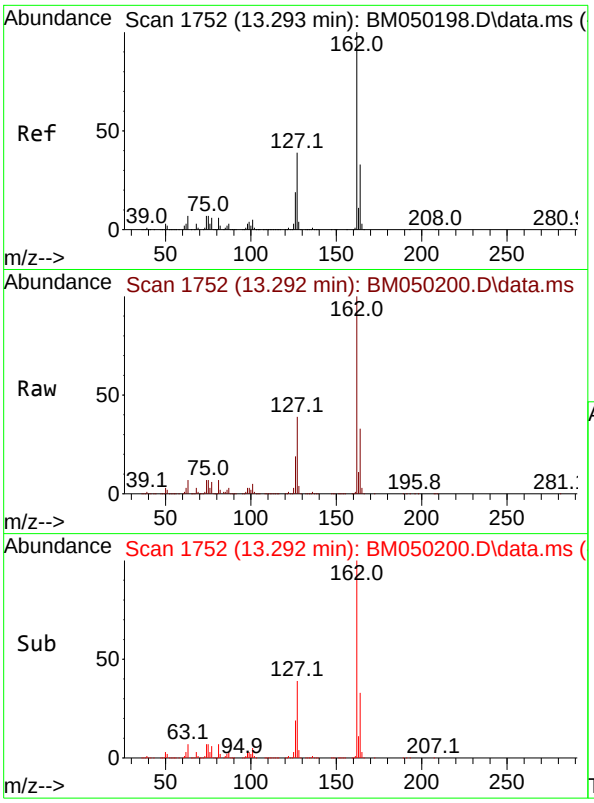


#46
1,1'-Biphenyl
Concen: 60.402 ng
RT: 13.257 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:154 Resp: 2494729

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.2	59.2
76	12.3	0.0	32.0



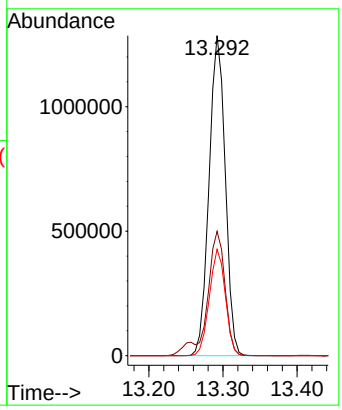


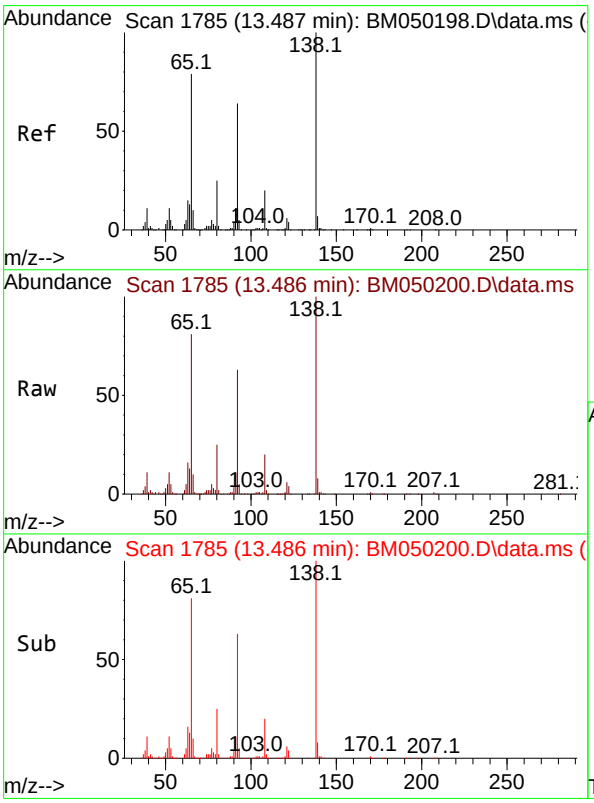
#47
2-Chloronaphthalene
Concen: 60.663 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1947861

Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.1	46.7
164	33.3	26.5	39.7

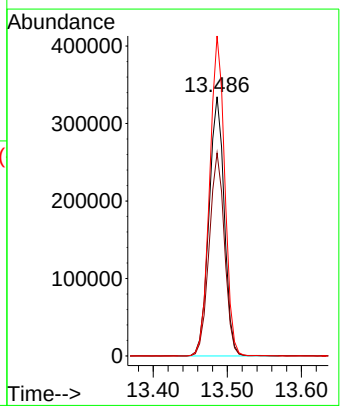


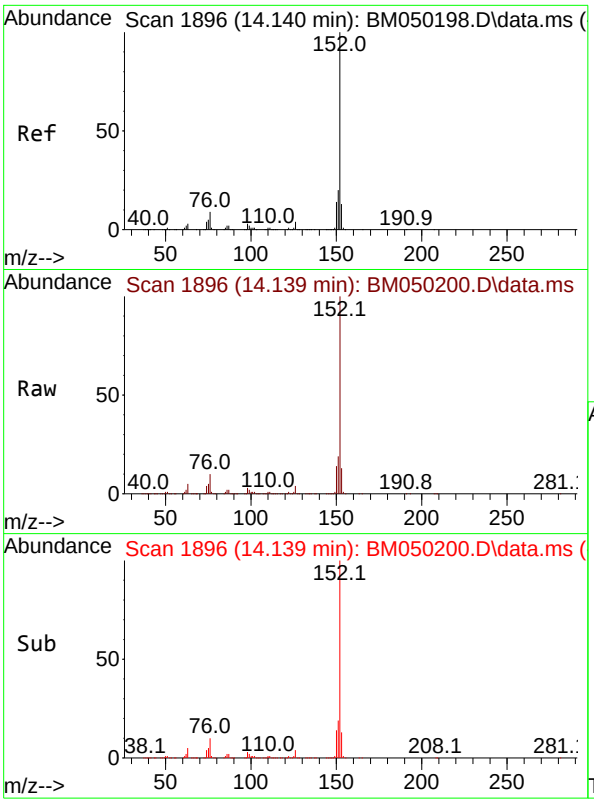


#48
2-Nitroaniline
Concen: 67.806 ng
RT: 13.486 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion: 65 Resp: 479127

Ion	Ratio	Lower	Upper
65	100		
92	78.3	64.2	96.4
138	123.5	101.0	151.4



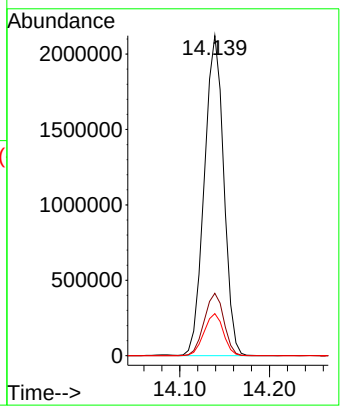


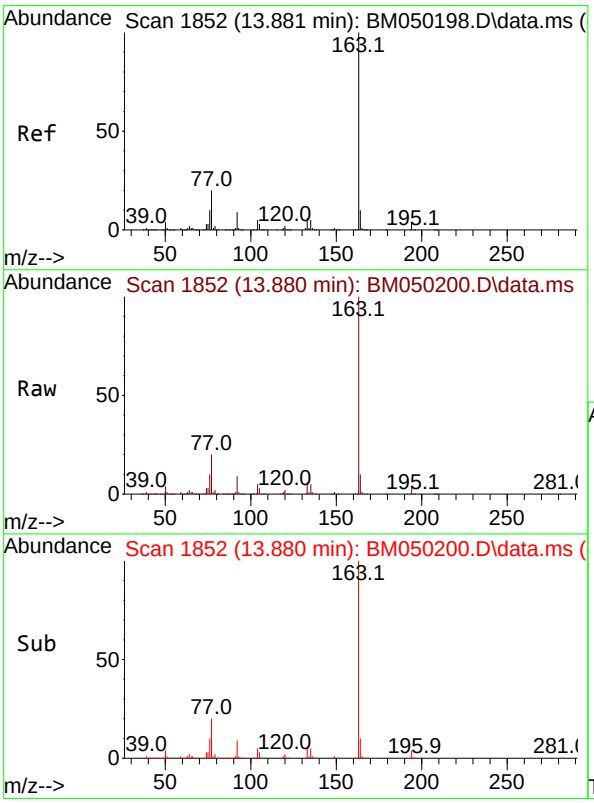
#49
Acenaphthylene
Concen: 61.302 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3183780

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.2	10.4	15.6

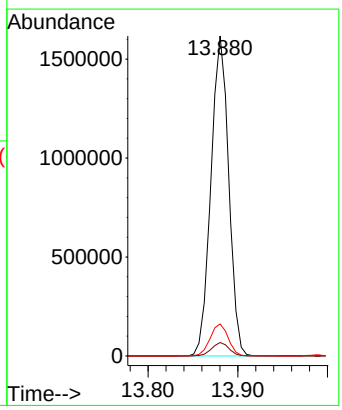


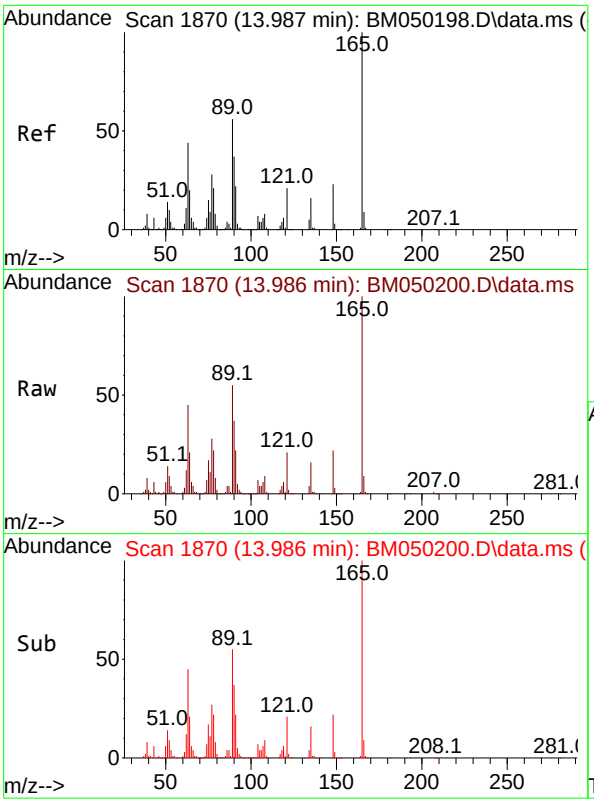


#50
Dimethylphthalate
Concen: 59.640 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:163 Resp: 2224786

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	7.9	11.9



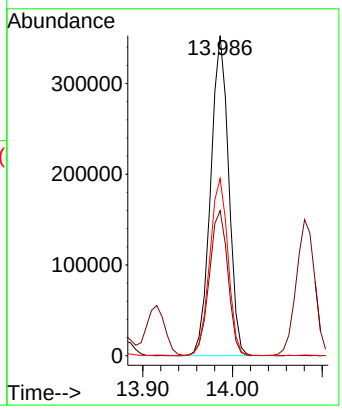


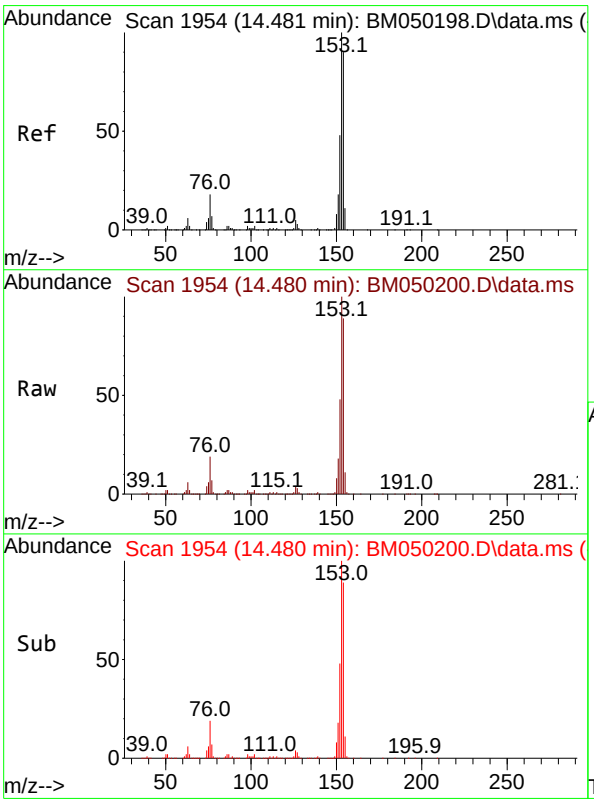
#51
2,6-Dinitrotoluene
Concen: 65.238 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 490781

Ion	Ratio	Lower	Upper
165	100		
63	45.3	35.8	53.6
89	55.3	44.8	67.2

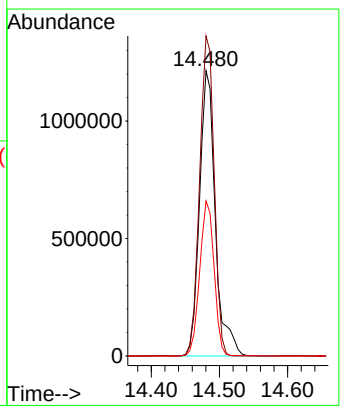


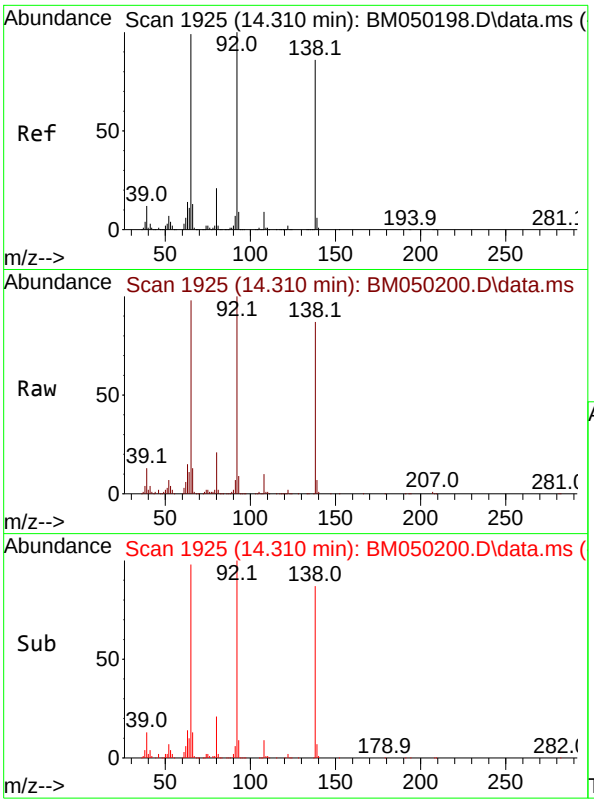


#52
Acenaphthene
Concen: 60.136 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:154 Resp: 1953486

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.7	133.1
152	54.3	42.6	63.8



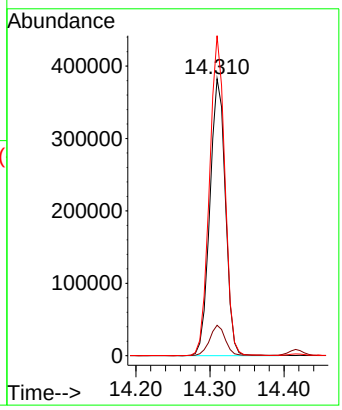


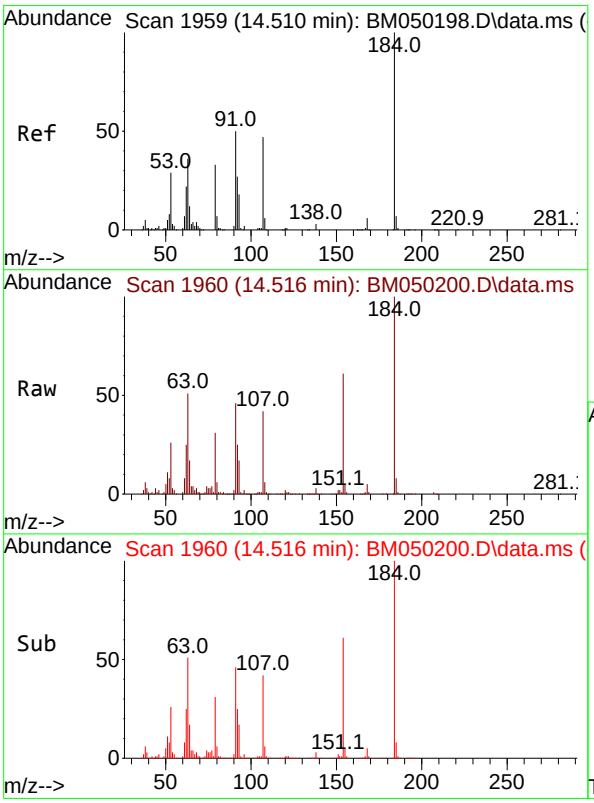
#53
3-Nitroaniline
Concen: 66.308 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 555944

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.8	13.2
92	115.5	92.9	139.3

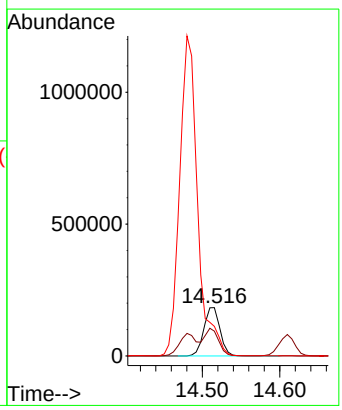


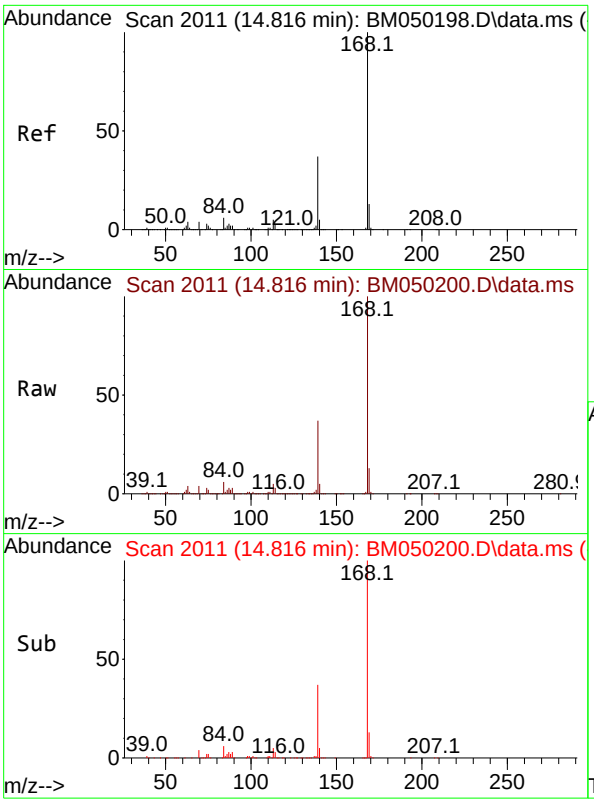


#54
2,4-Dinitrophenol
Concen: 58.459 ng
RT: 14.516 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:184 Resp: 265588

Ion	Ratio	Lower	Upper
184	100		
63	51.3	45.3	67.9
154	61.2	54.3	81.5



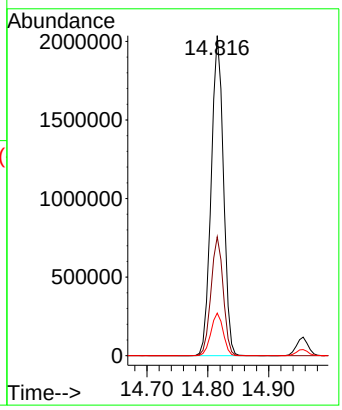


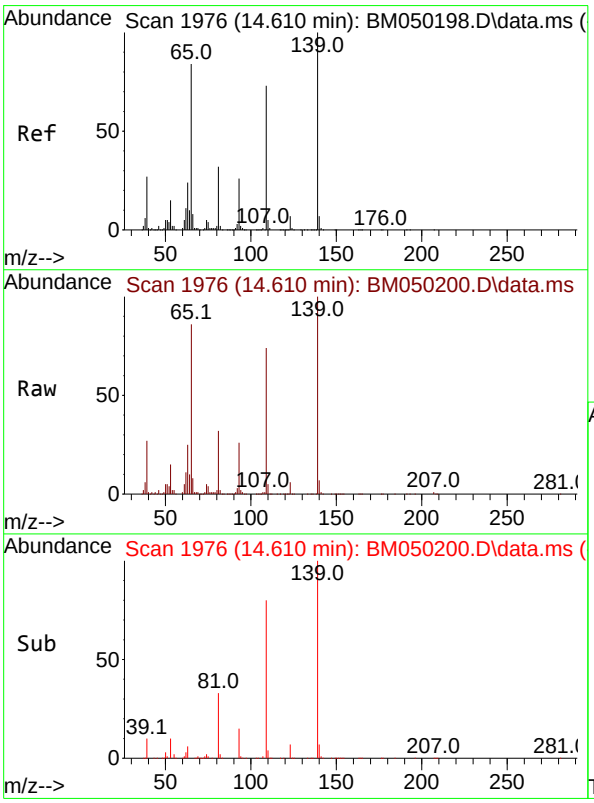
#55
Dibenzofuran
Concen: 59.857 ng
RT: 14.816 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2844670

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.9	44.9
169	13.3	10.6	16.0

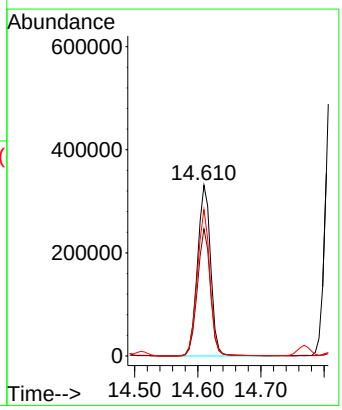


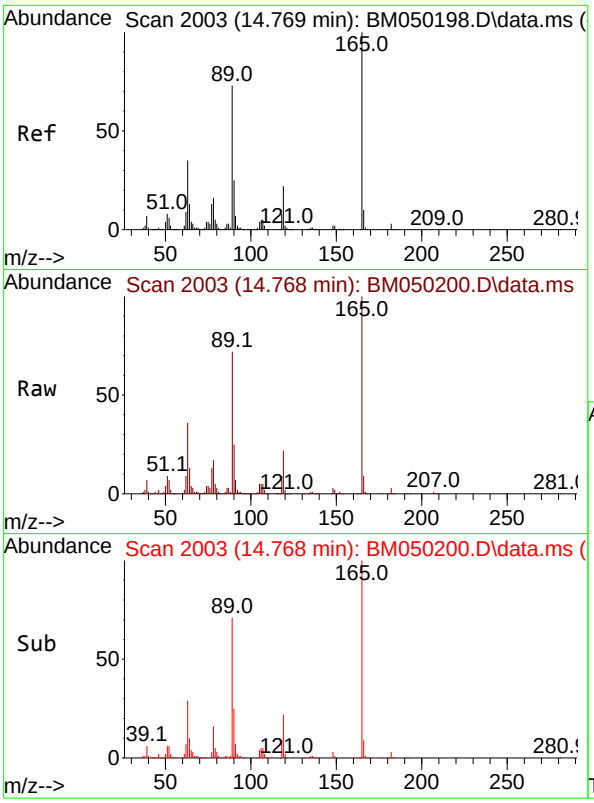


#56
4-Nitrophenol
Concen: 66.846 ng
RT: 14.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:139 Resp: 477024

Ion	Ratio	Lower	Upper
139	100		
109	74.4	52.6	92.6
65	85.7	64.3	104.3



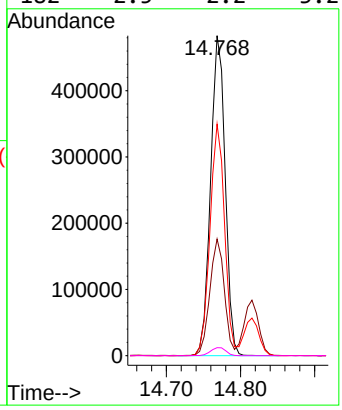


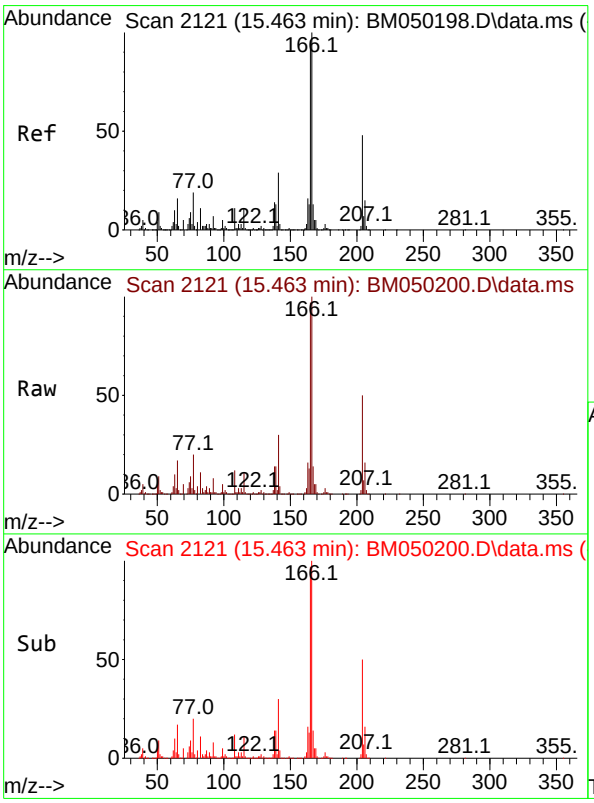
#57
2,4-Dinitrotoluene
Concen: 66.447 ng
RT: 14.768 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 659402

Ion	Ratio	Lower	Upper
165	100		
63	36.5	28.4	42.6
89	72.3	58.0	87.0
182	2.5	2.2	3.2

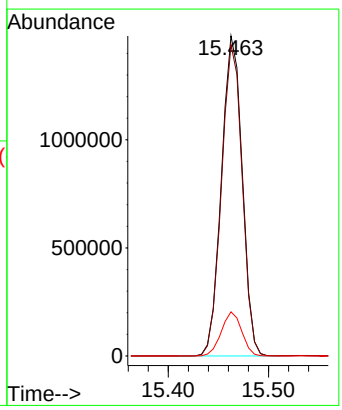


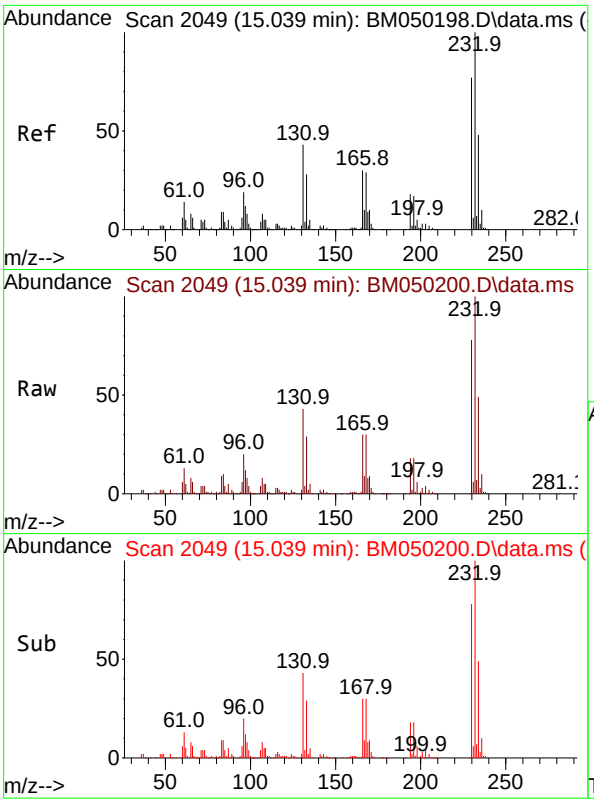


#58
Fluorene
Concen: 58.613 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:166 Resp: 2133522

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.0	115.4
167	13.8	10.7	16.1



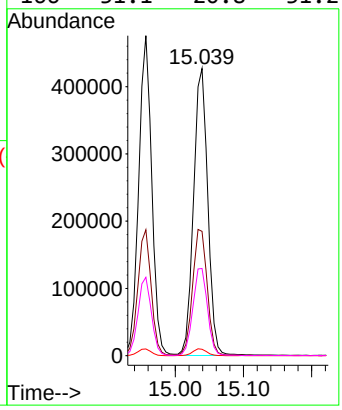


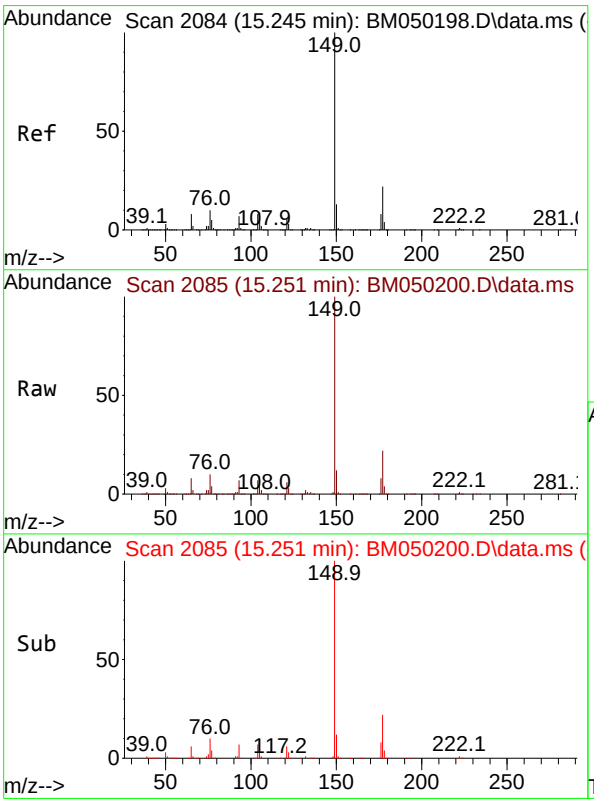
#59
2,3,4,6-Tetrachlorophenol
Concen: 61.752 ng
RT: 15.039 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 614431

Ion	Ratio	Lower	Upper
232	100		
131	45.0	32.9	49.3
130	2.4	1.8	2.8
166	31.1	20.8	31.2

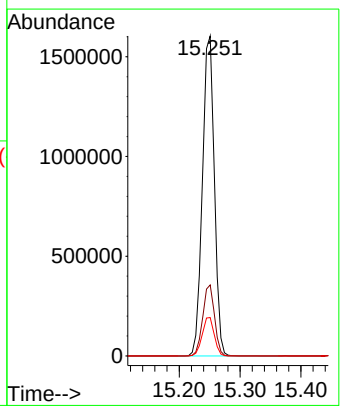


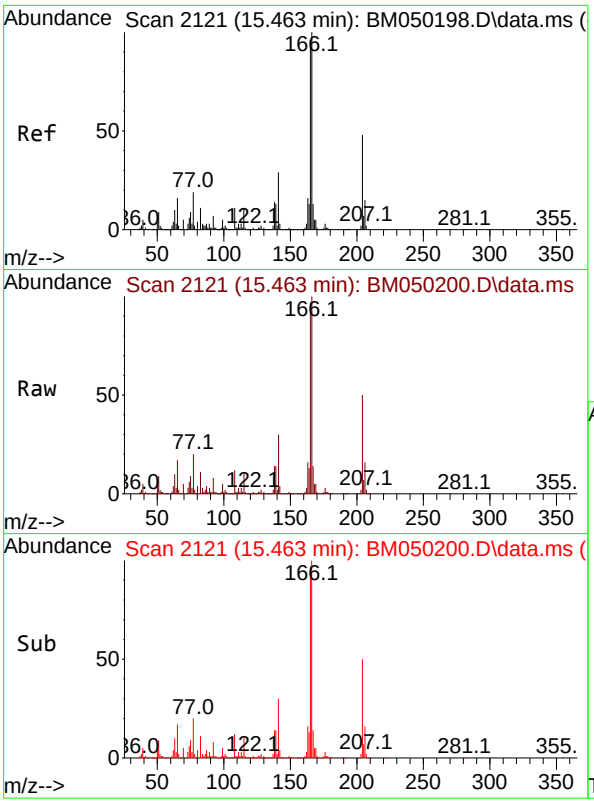


#60
Diethylphthalate
Concen: 58.899 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:149 Resp: 2180022

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.2	25.8
150	12.0	10.0	15.0



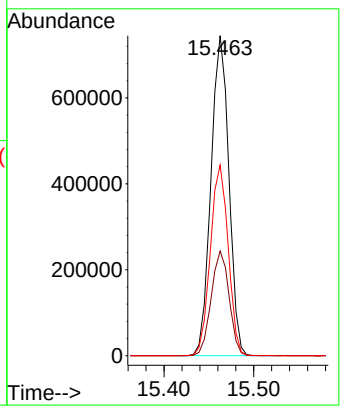


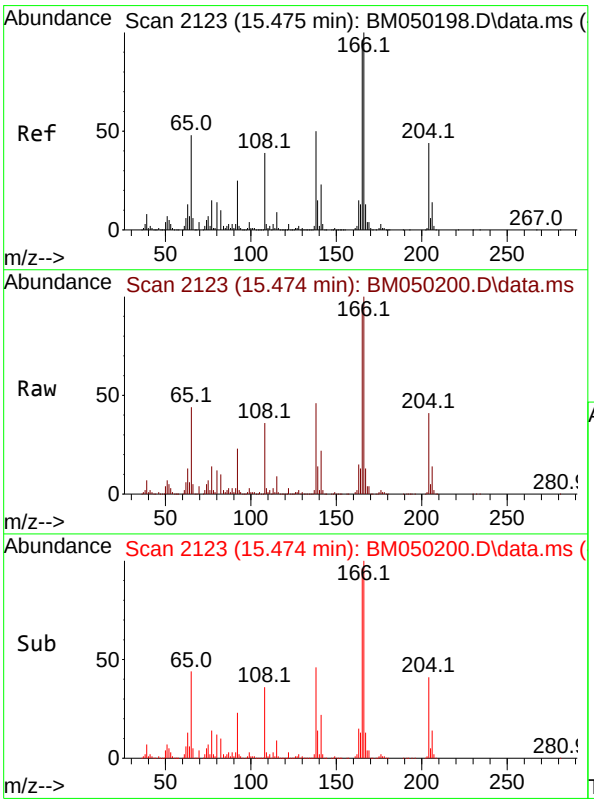
#61
4-Chlorophenyl-phenylether
Concen: 58.610 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1031087

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.4	38.0
141	59.6	47.9	71.9

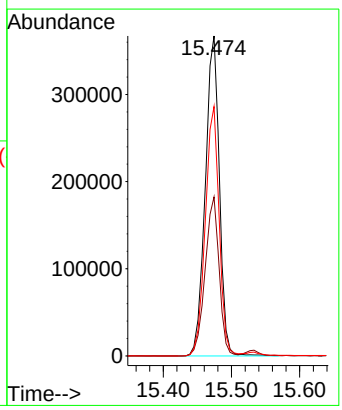


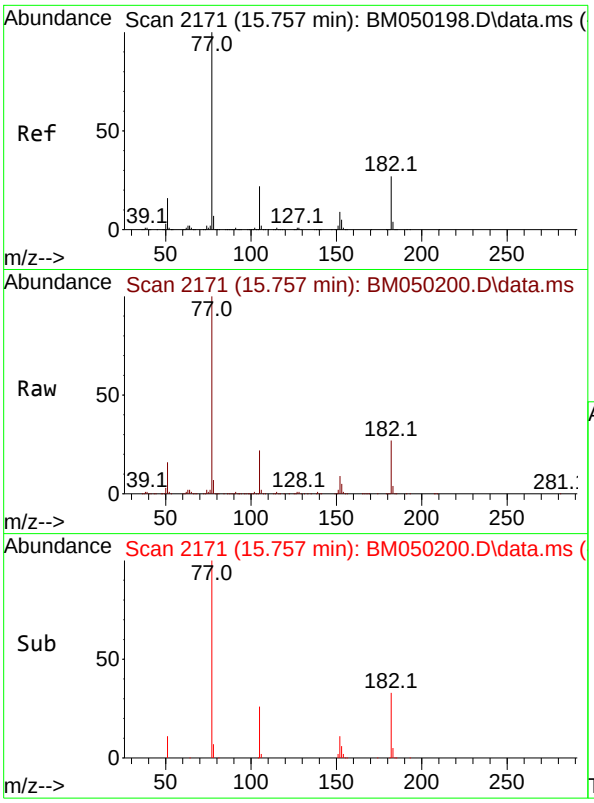


#62
4-Nitroaniline
Concen: 67.214 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:138 Resp: 528186

Ion	Ratio	Lower	Upper
138	100		
92	49.7	28.8	68.8
108	77.9	58.1	98.1



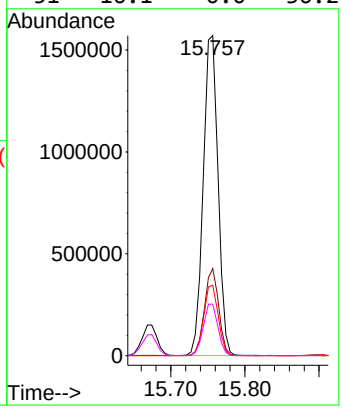


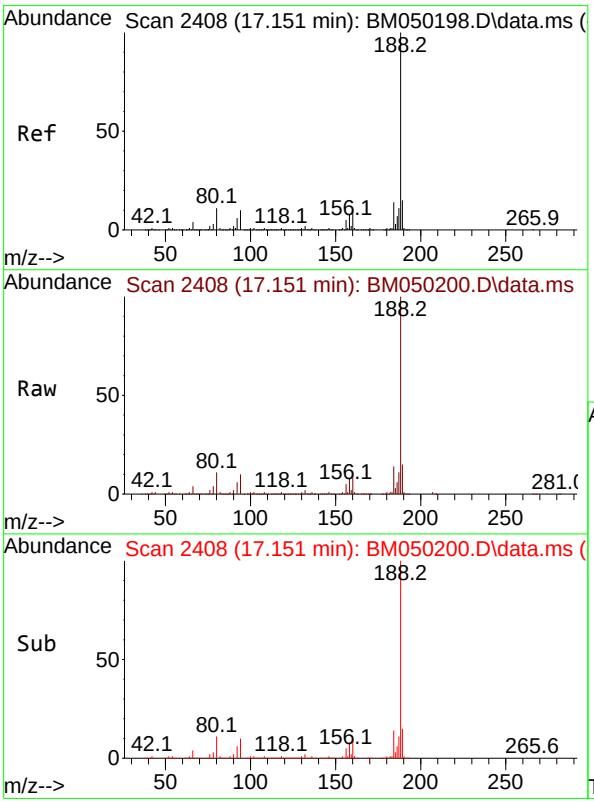
#63
Azobenzene
Concen: 58.871 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2177933

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.8	46.8
105	22.0	1.7	41.7
51	16.1	0.0	36.2

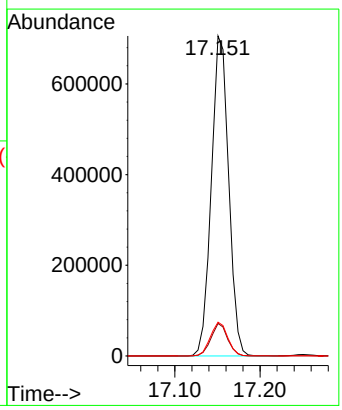


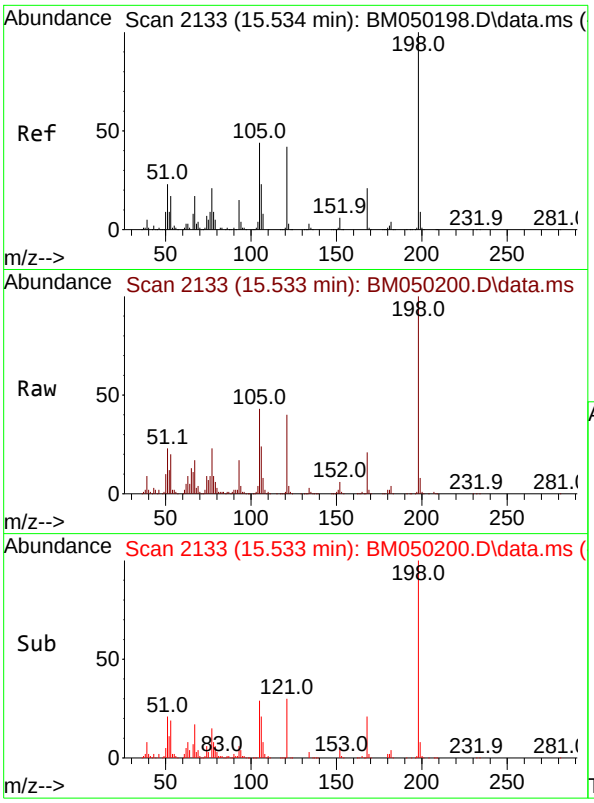


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:188 Resp: 997337

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.1	12.1
80	10.6	8.6	13.0



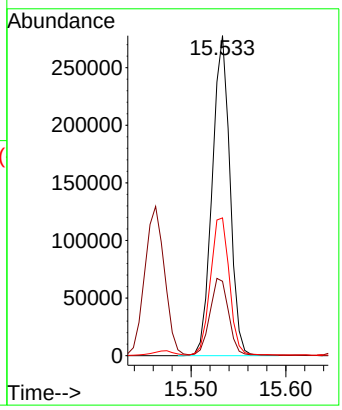


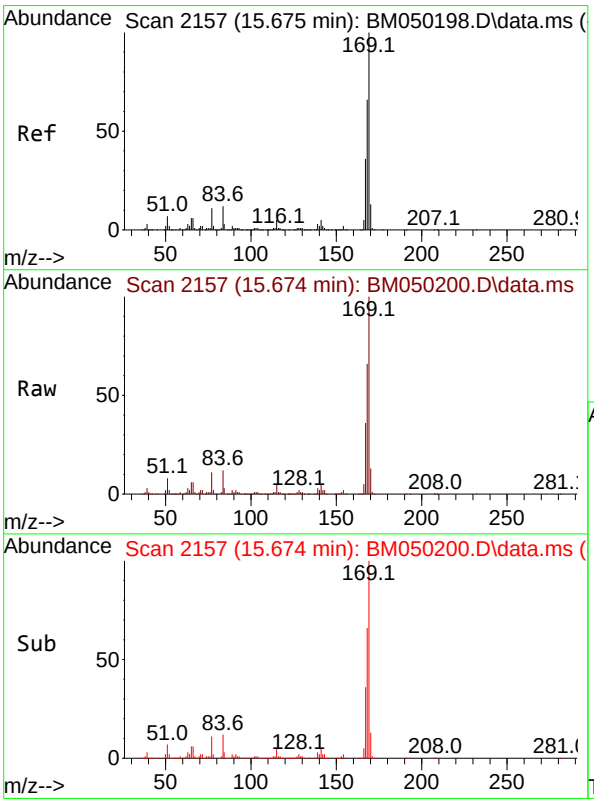
#65
4,6-Dinitro-2-methylphenol
Concen: 66.052 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 359804

Ion	Ratio	Lower	Upper
198	100		
51	23.3	4.5	44.5
105	43.0	24.9	64.9

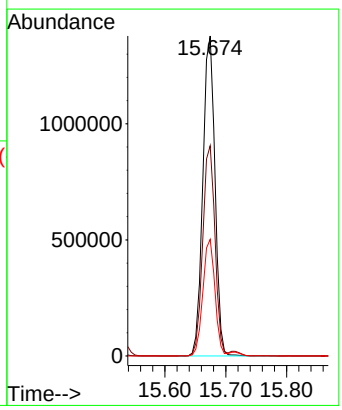


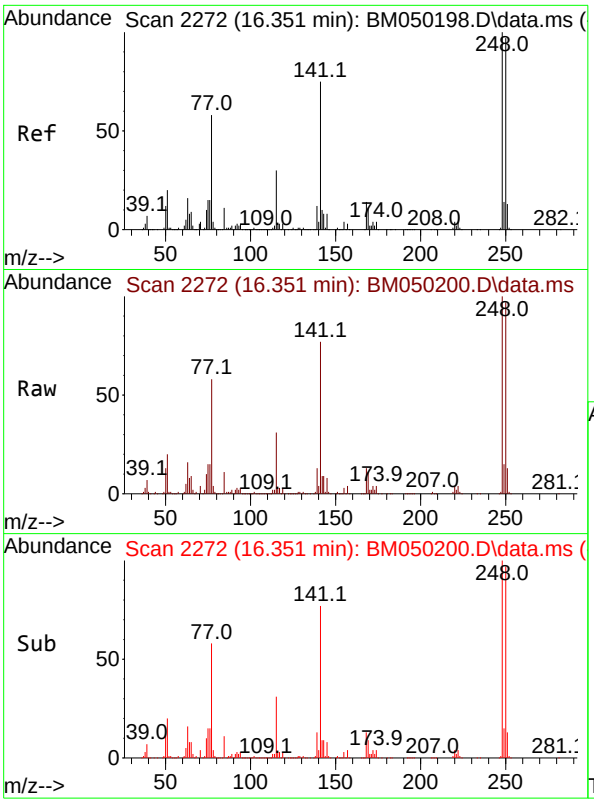


#66
n-Nitrosodiphenylamine
Concen: 61.011 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:169 Resp: 1911910

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.1	79.7
167	36.4	29.0	43.6



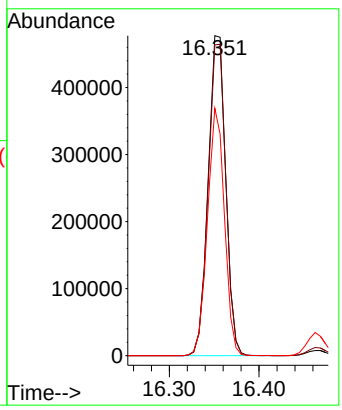


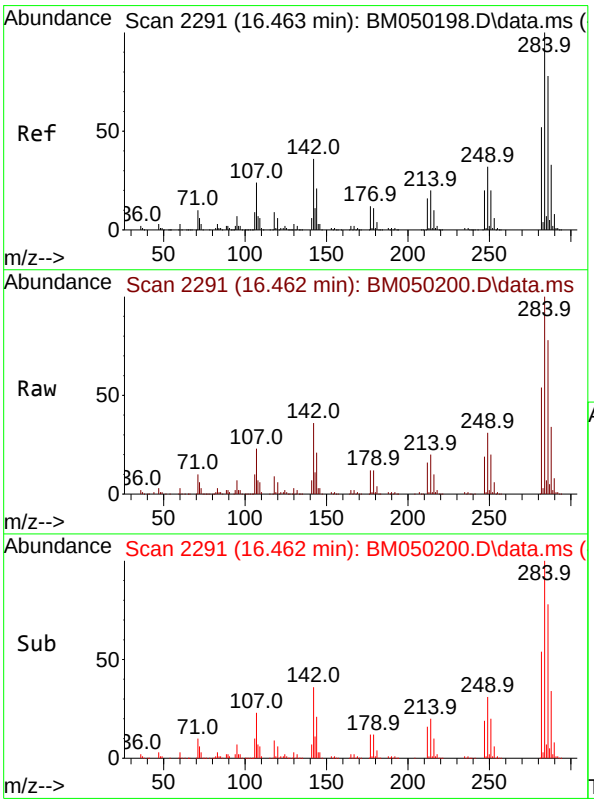
#67
4-Bromophenyl-phenylether
Concen: 61.046 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 649254

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.0	117.0
141	77.3	60.1	90.1

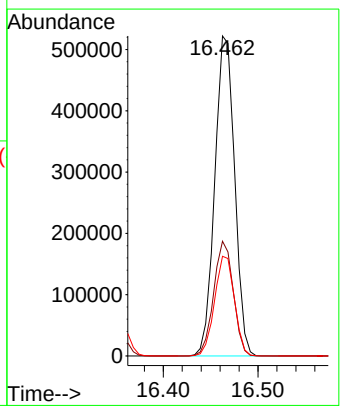


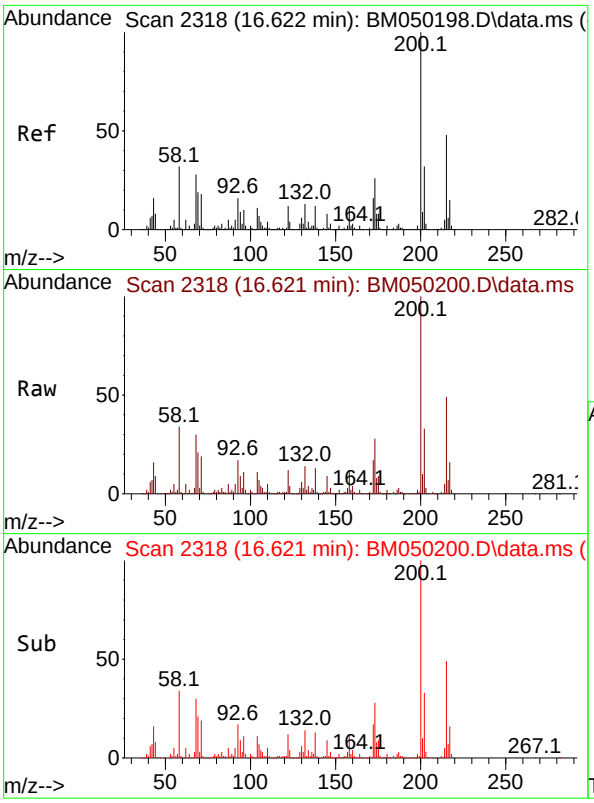


#68
Hexachlorobenzene
Concen: 61.287 ng
RT: 16.462 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:284 Resp: 761552

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.8	43.2
249	31.1	25.8	38.6



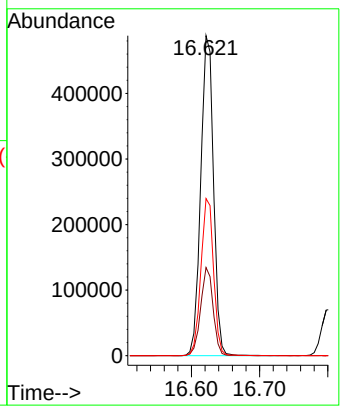


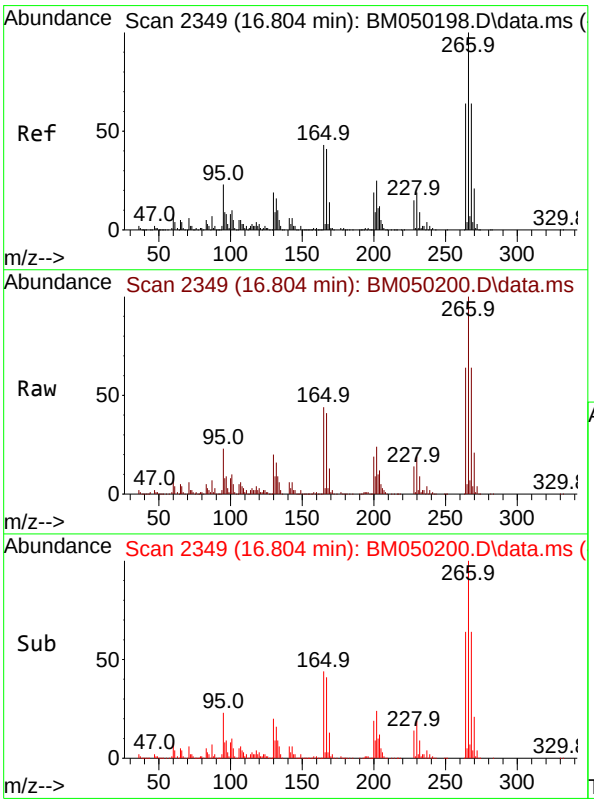
#69
Atrazine
Concen: 63.570 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 634737

Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.0	46.0
215	49.1	28.1	68.1

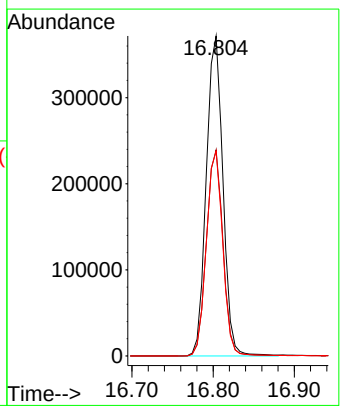


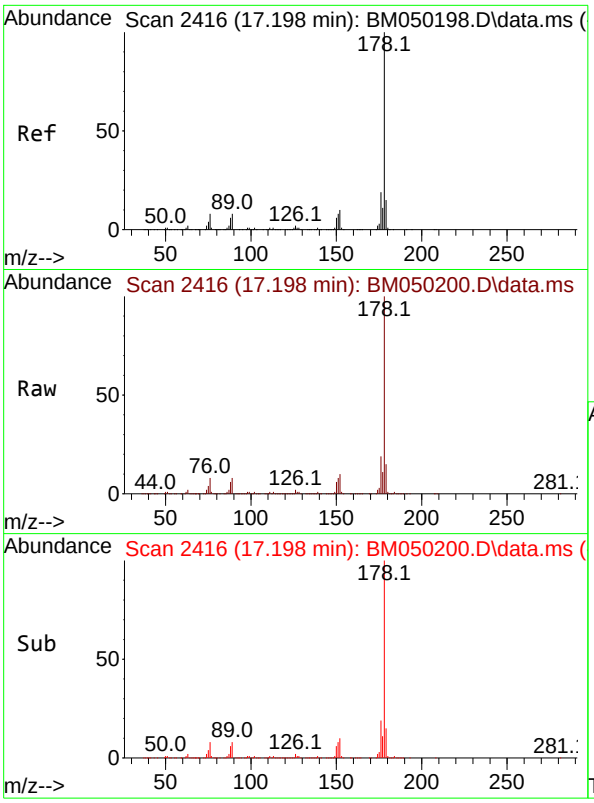


#70
Pentachlorophenol
Concen: 65.368 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:266 Resp: 528095

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	64.0	50.8	76.2



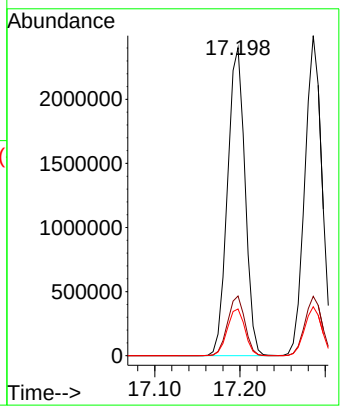


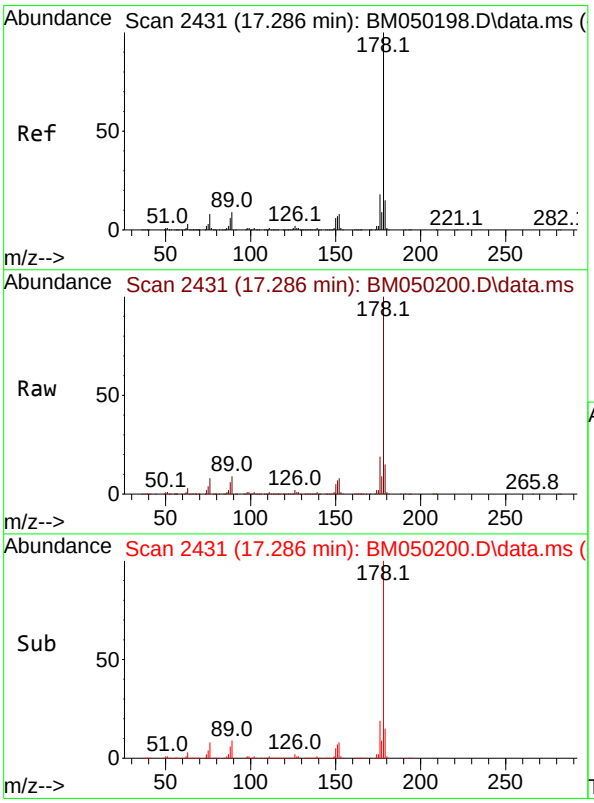
#71
Phenanthrene
Concen: 60.051 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 3421380

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.3	18.5

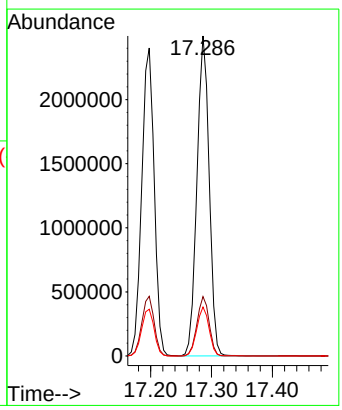


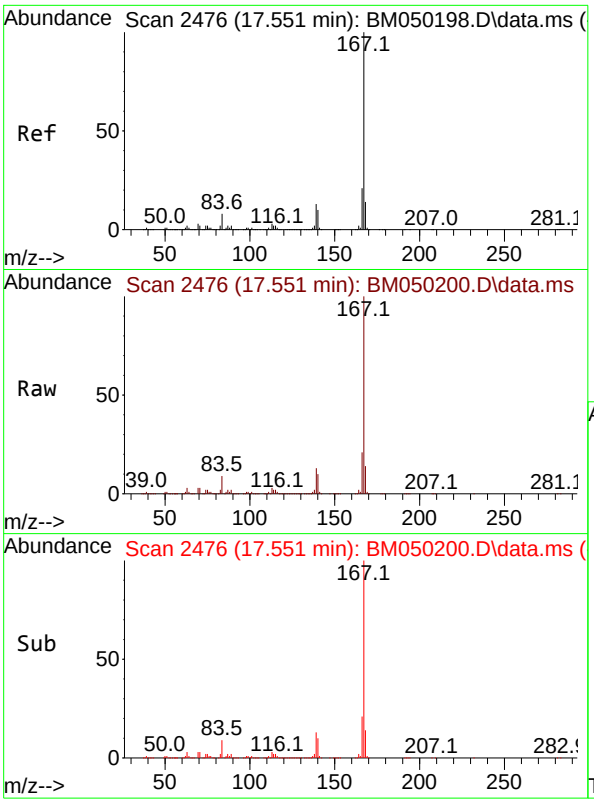


#72
Anthracene
Concen: 61.148 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:178 Resp: 3485282

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.3	18.5



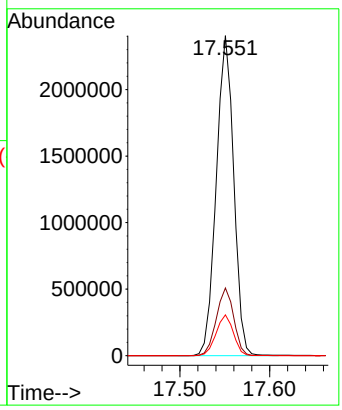


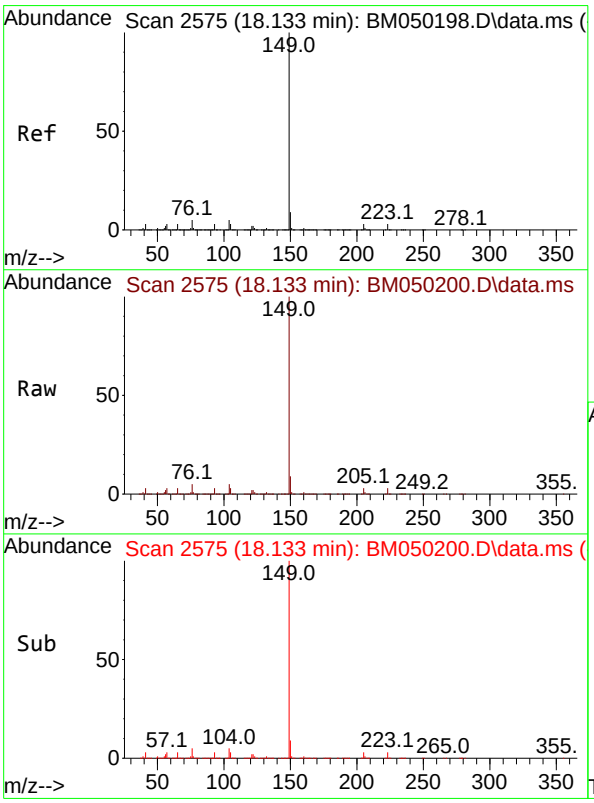
#73
Carbazole
Concen: 62.528 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3246806

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.2	15.4

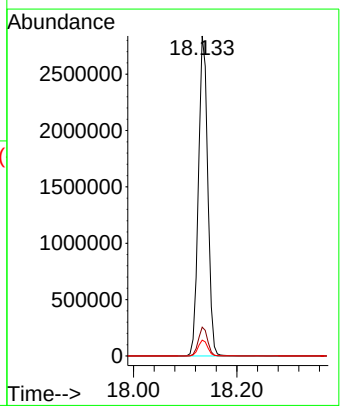


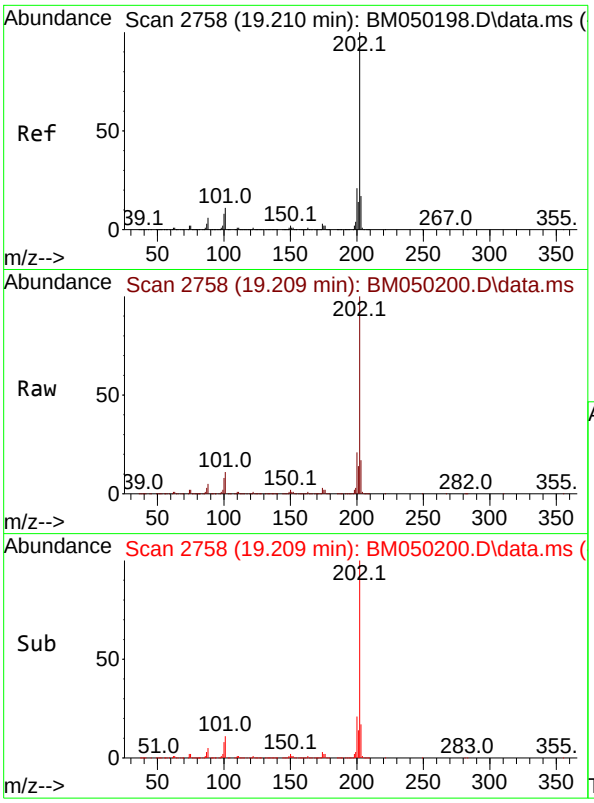


#74
Di-n-butylphthalate
Concen: 62.851 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:149 Resp: 3550989

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.0	6.0



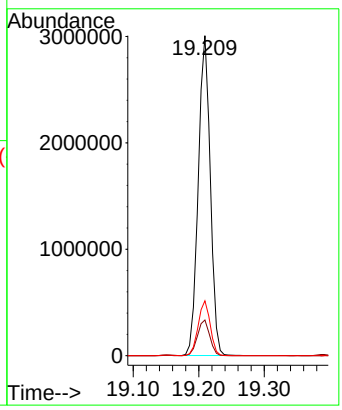


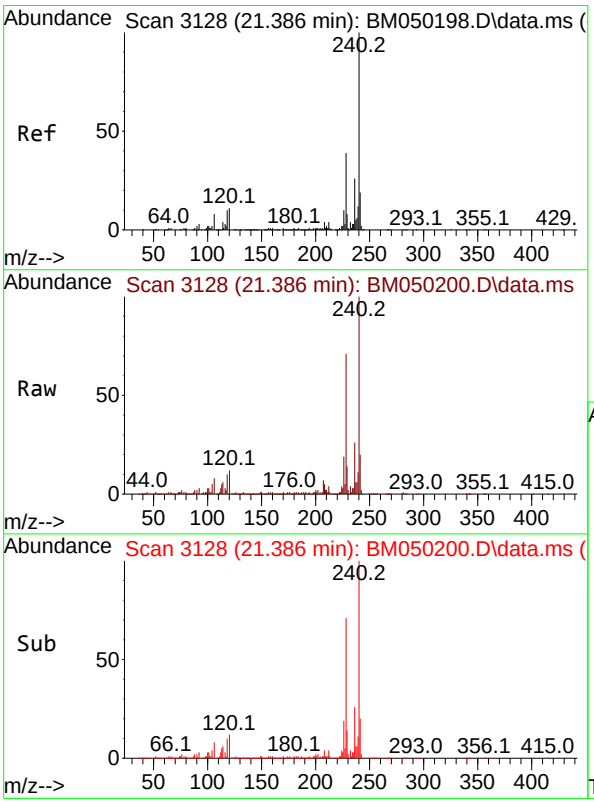
#75
Fluoranthene
Concen: 63.934 ng
RT: 19.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 3841414

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	17.1	0.0	37.0

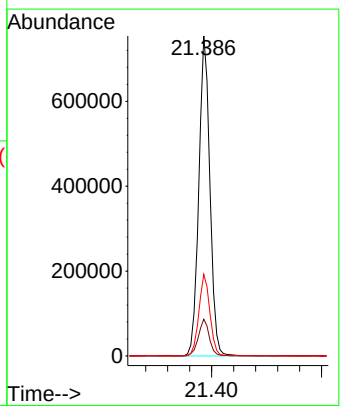


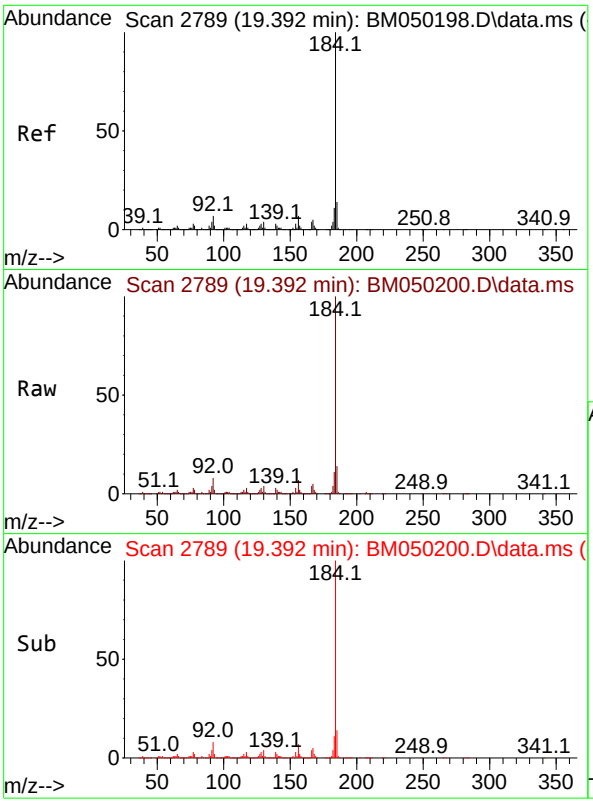


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:240 Resp: 1056136

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.0	13.4
236	25.5	20.7	31.1



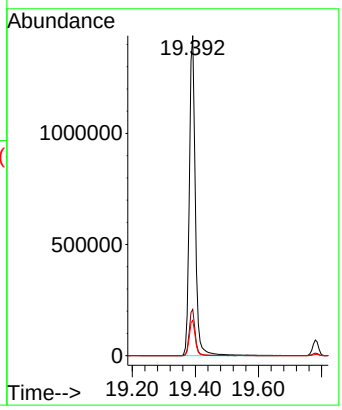


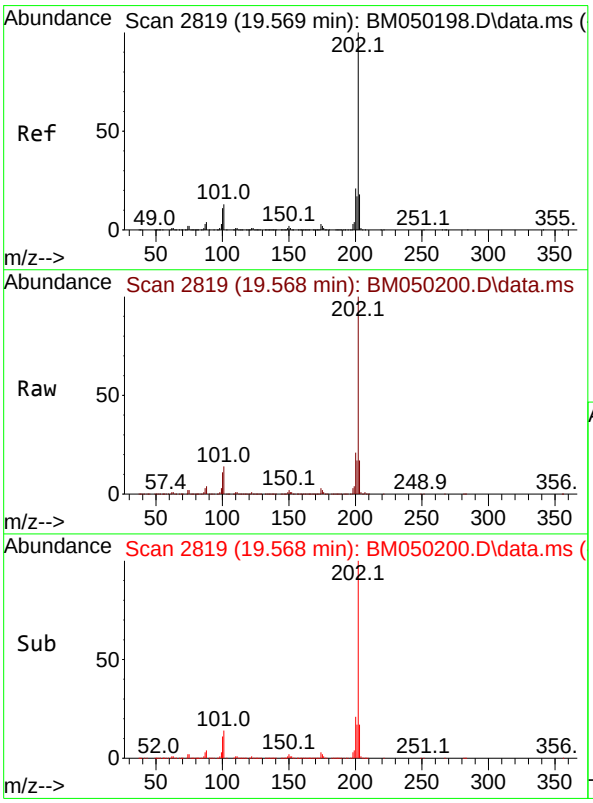
#77
Benzidine
Concen: 64.043 ng
RT: 19.392 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1902050

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.1	9.0	13.4

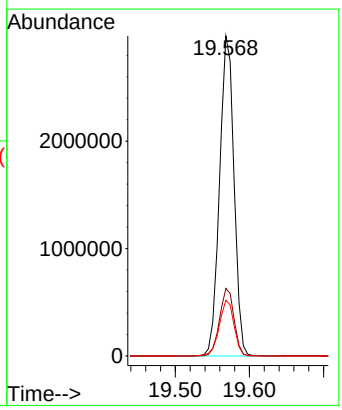


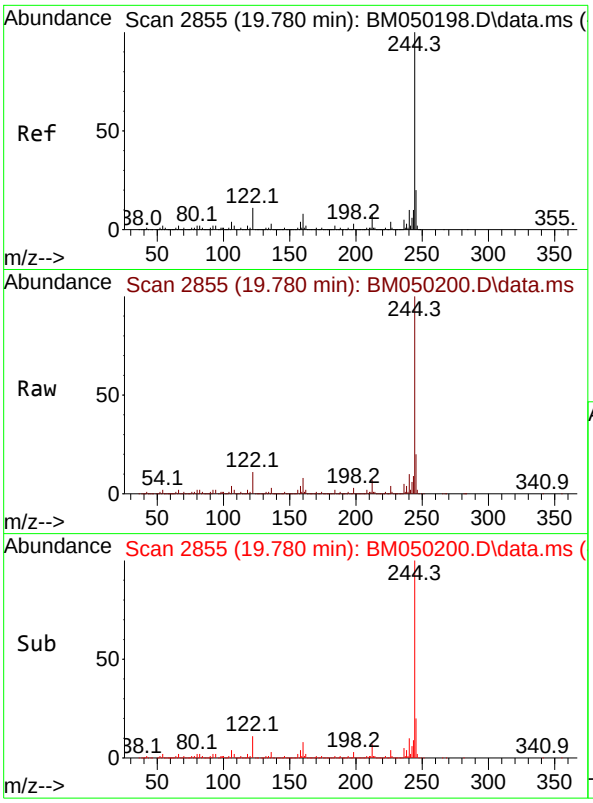


#78
Pyrene
Concen: 56.687 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:202 Resp: 4035214

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.4	14.1	21.1



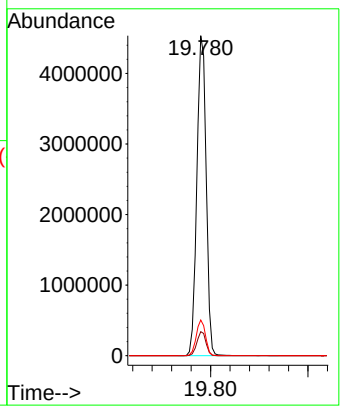


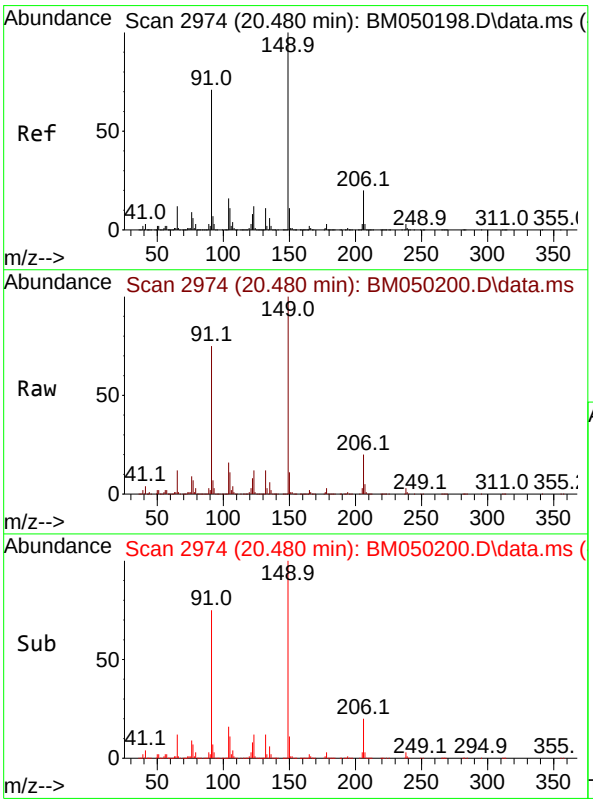
#79
Terphenyl-d14
Concen: 108.610 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 6053045

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.1	8.6	12.8

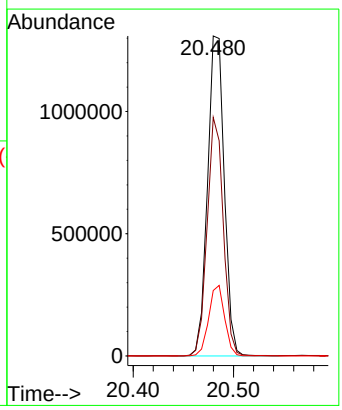


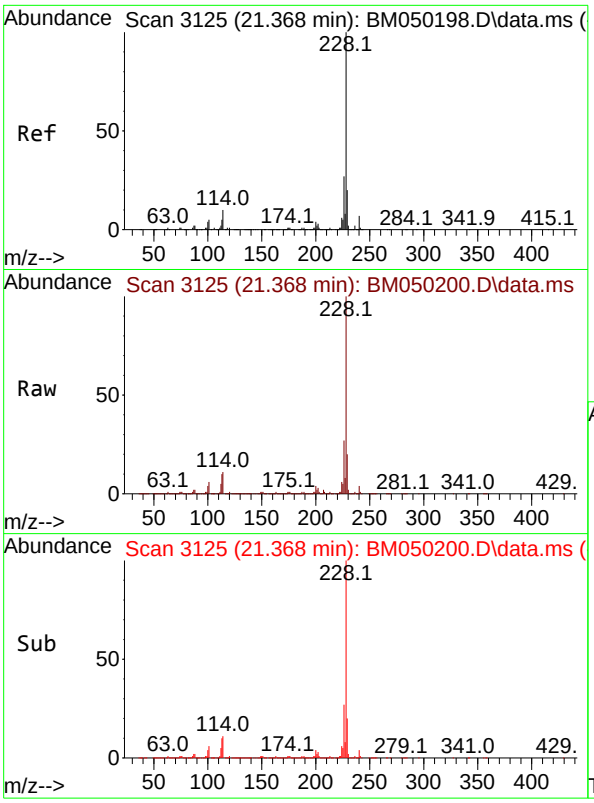


#80
Butylbenzylphthalate
Concen: 64.115 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:149 Resp: 1522384

Ion	Ratio	Lower	Upper
149	100		
91	74.6	56.9	85.3
206	20.5	16.1	24.1



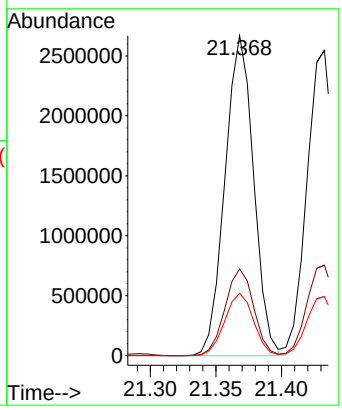


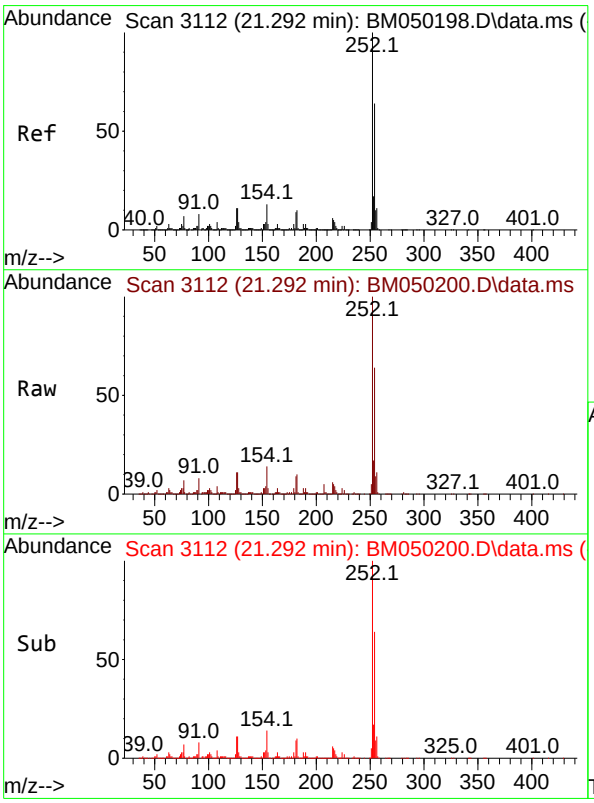
#81
Benzo(a)anthracene
Concen: 60.666 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4055461

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.5	15.7	23.5

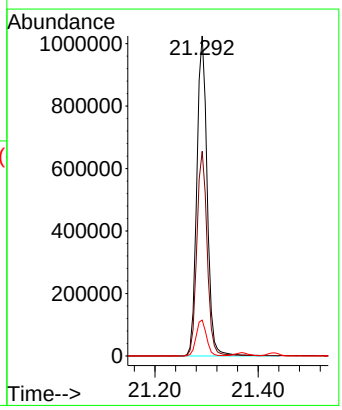


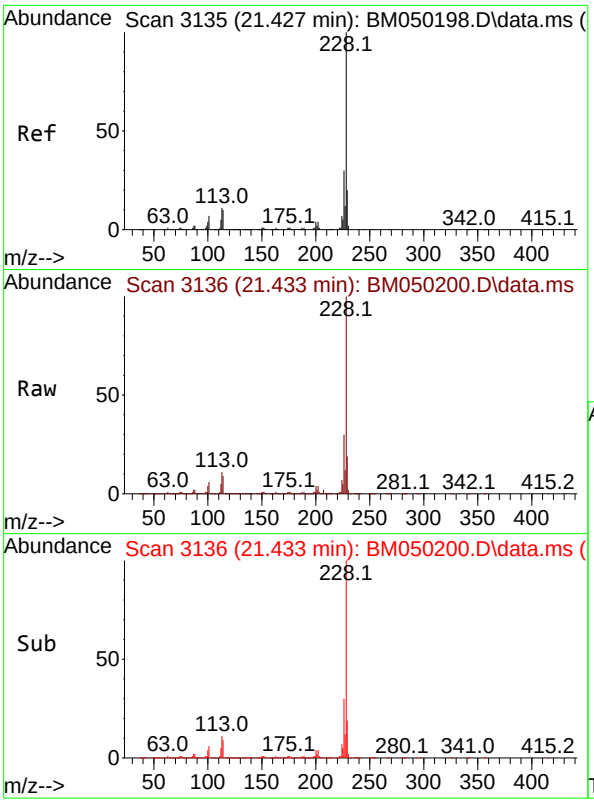


#82
3,3'-Dichlorobenzidine
Concen: 69.874 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:252 Resp: 1424421

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.4	77.0
126	11.2	8.6	12.8



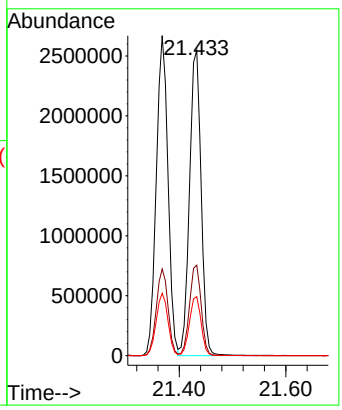


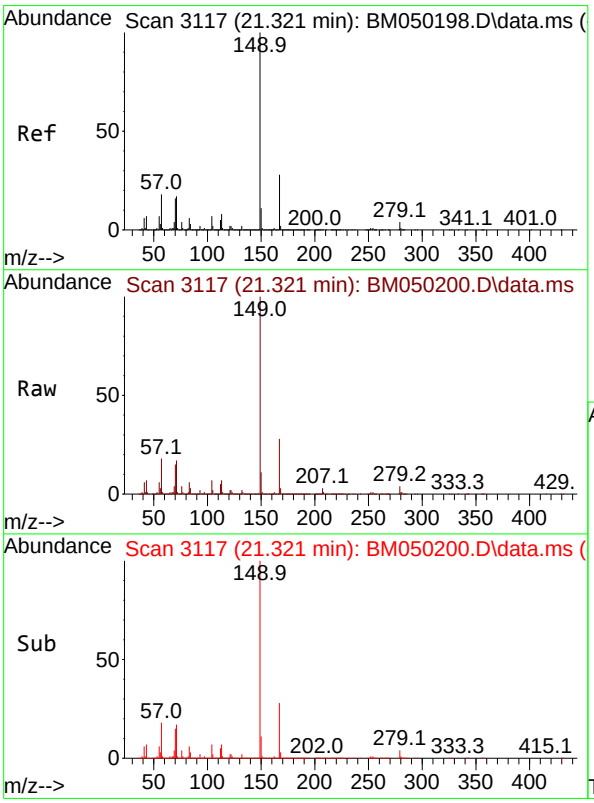
#83
Chrysene
Concen: 60.623 ng
RT: 21.433 min Scan# 3
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 3854906

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.3	36.5
229	19.3	15.8	23.8

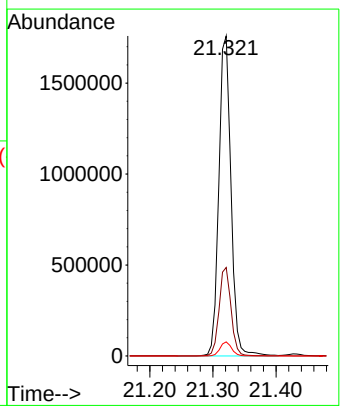


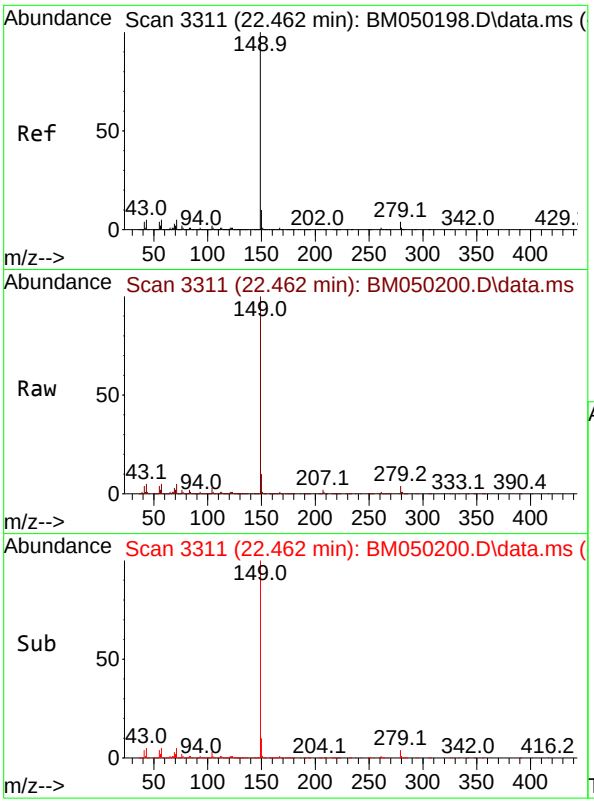


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.231 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:149 Resp: 2349225

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.4	3.5	5.3



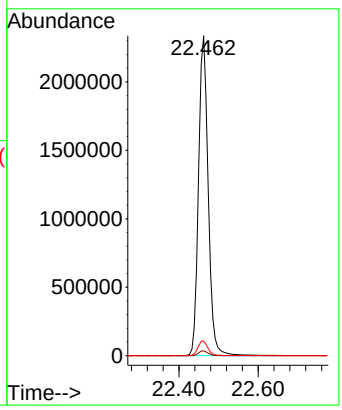


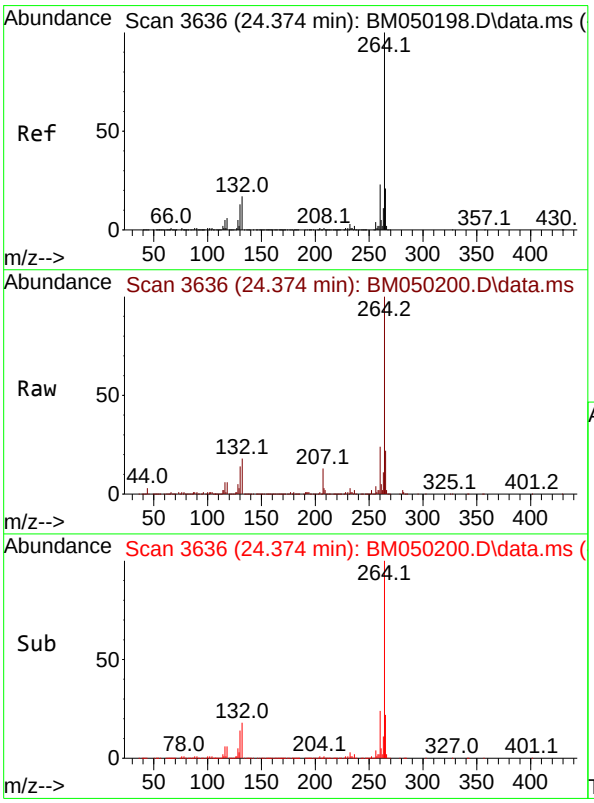
#85
Di-n-octyl phthalate
Concen: 72.708 ng
RT: 22.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3946065

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	4.8	3.8	5.8

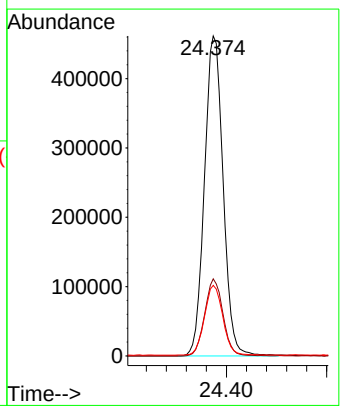


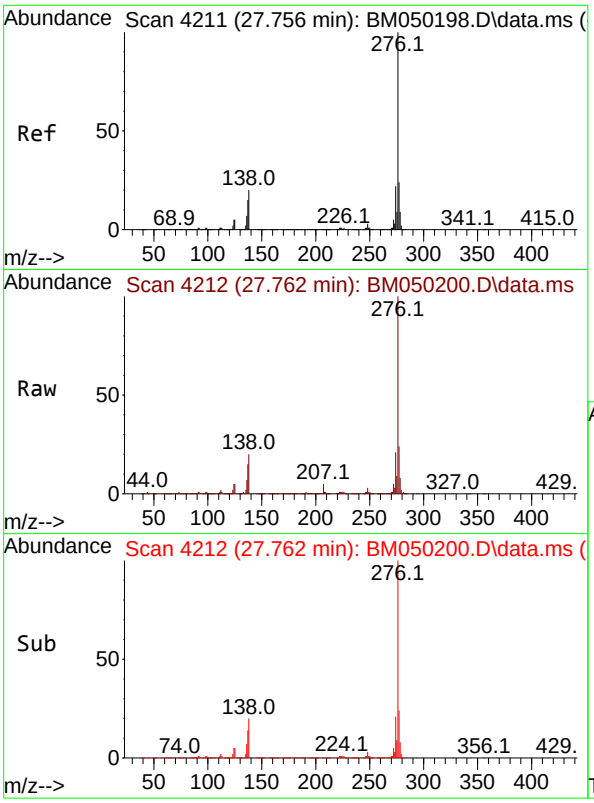


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:264 Resp: 1194662

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	22.1	16.8	25.2



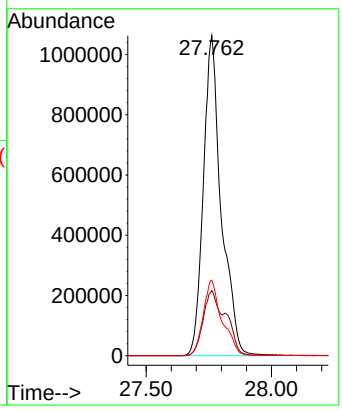


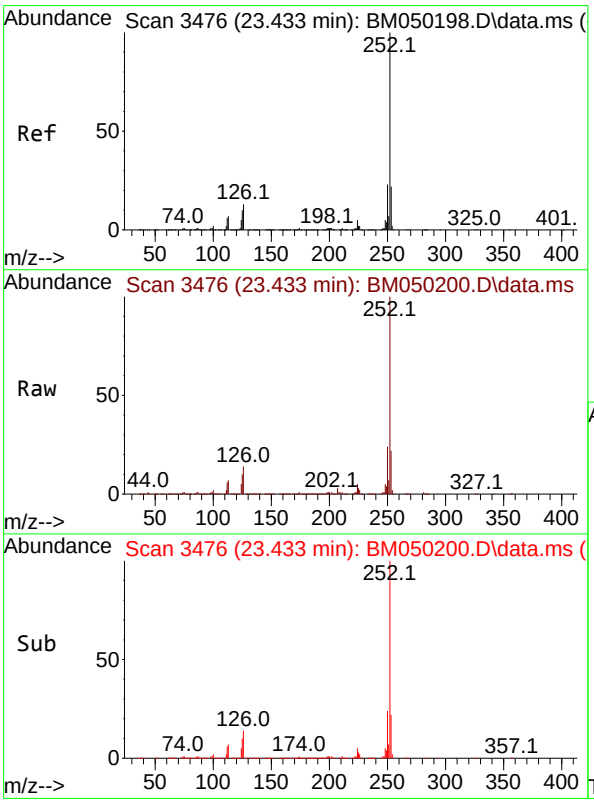
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.579 ng
RT: 27.762 min Scan# 4
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 5275171

Ion	Ratio	Lower	Upper
276	100		
138	18.1	20.6	30.8#
277	24.8	19.8	29.6

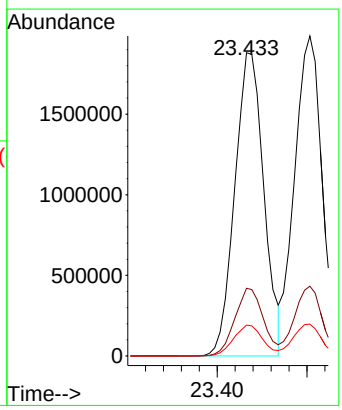


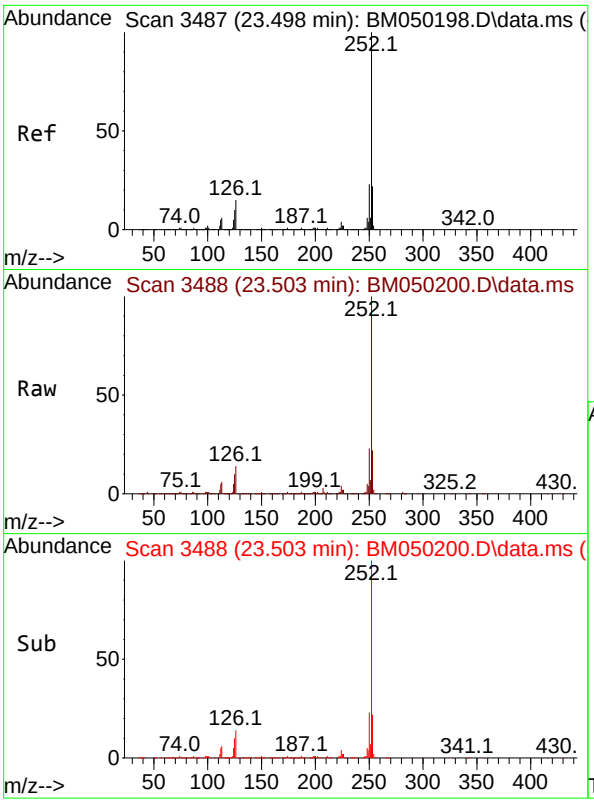


#88
Benzo(b)fluoranthene
Concen: 60.790 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:252 Resp: 4222358

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.2	8.2	12.4



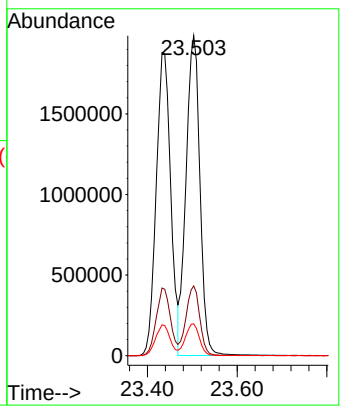


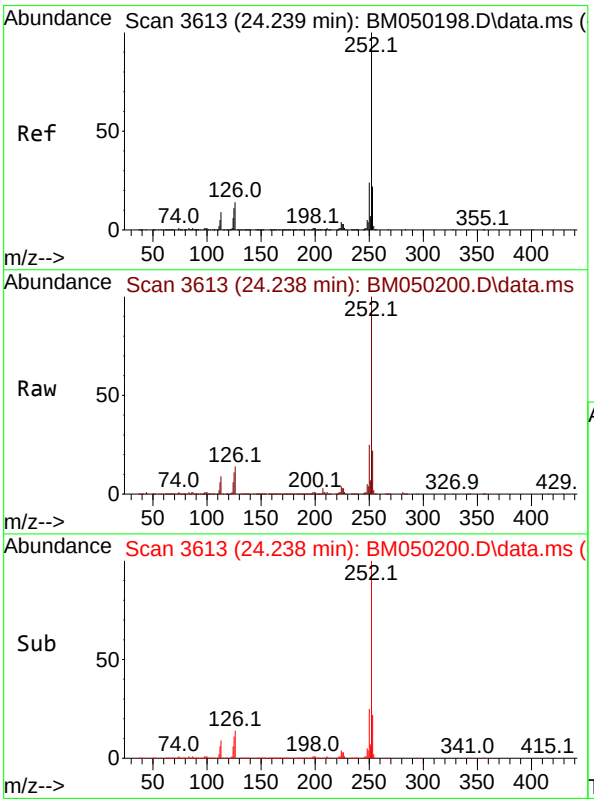
#89
Benzo(k)fluoranthene
Concen: 60.156 ng
RT: 23.503 min Scan# 34
Delta R.T. 0.005 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 4265446

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.0	8.2	12.4

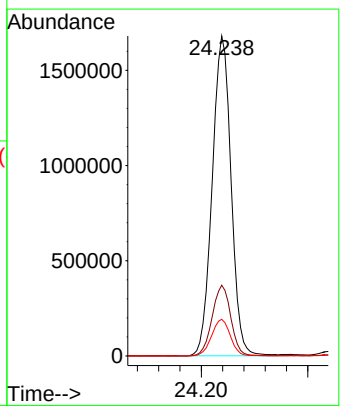


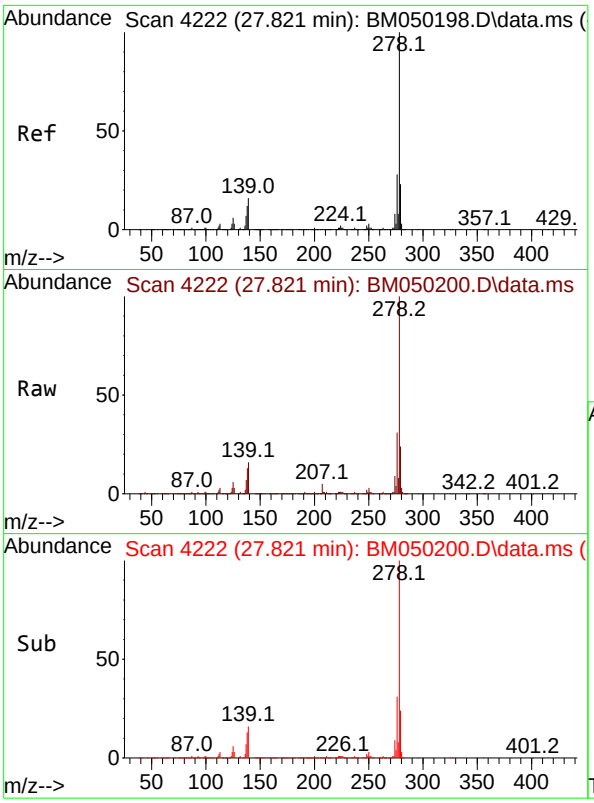


#90
Benzo(a)pyrene
Concen: 63.280 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:252 Resp: 4132525

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.5	9.0	13.4



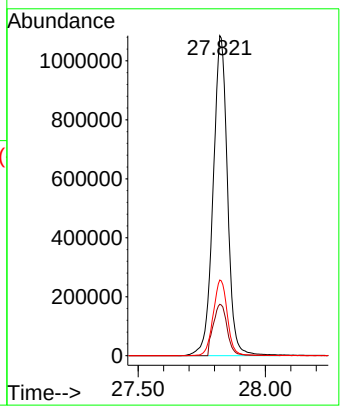


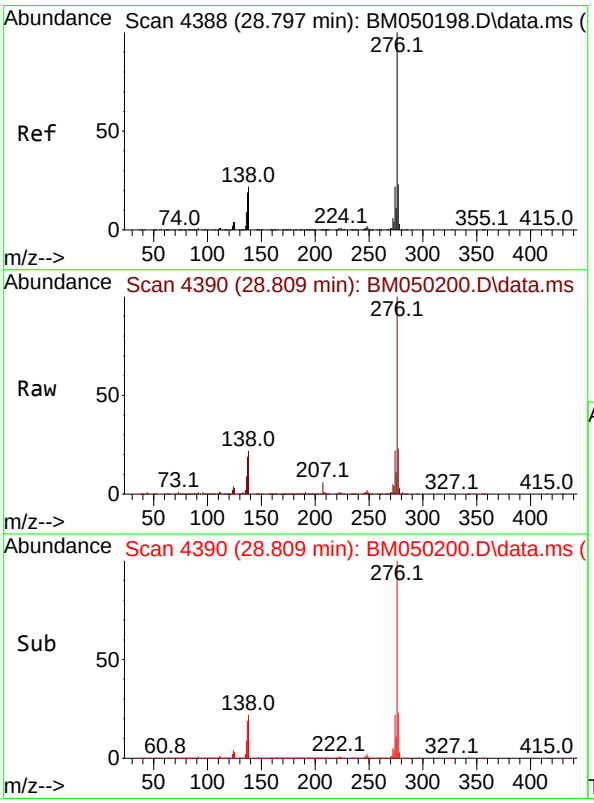
#91
Dibenzo(a,h)anthracene
Concen: 68.201 ng
RT: 27.821 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4258292

Ion	Ratio	Lower	Upper
278	100		
139	16.0	12.8	19.2
279	23.7	18.6	28.0

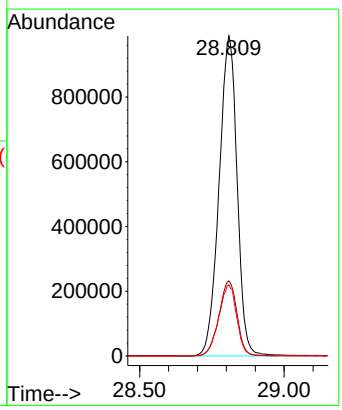




#92
Benzo(g,h,i)perylene
Concen: 68.486 ng
RT: 28.809 min Scan# 4390
Delta R.T. 0.011 min
Lab File: BM050200.D
Acq: 05 Jun 2025 13:16

Tgt Ion:276 Resp: 4279836

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	22.3	17.8	26.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	291644	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1166744	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	653677	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1121619	20.000	ng	0.00
76) Chrysene-d12	21.386	240	978835	20.000	ng	0.00
86) Perylene-d12	24.374	264	1062363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2682374	153.426	ng	0.00
7) Phenol-d6	6.957	99	3537202	153.692	ng	0.00
23) Nitrobenzene-d5	8.945	82	3567235	159.011	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1121188	150.796	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	7130886	147.690	ng	0.00
79) Terphenyl-d14	19.786	244	7496313	145.128	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	568907	74.235	ng	99
3) Pyridine	3.681	79	1547303	77.965	ng	99
4) n-Nitrosodimethylamine	3.599	42	329339	80.251	ng	97
6) Aniline	7.122	93	2369250	77.871	ng	100
8) 2-Chlorophenol	7.357	128	1502113	78.110	ng	98
10) Phenol	6.981	94	1866613	76.653	ng	100
11) bis(2-Chloroethyl)ether	7.216	93	1480567	75.590	ng	98
12) 1,3-Dichlorobenzene	7.681	146	1643168	76.431	ng	99
13) 1,4-Dichlorobenzene	7.828	146	1685110	75.334	ng	100
14) 1,2-Dichlorobenzene	8.140	146	1624137	76.165	ng	99
15) Benzyl Alcohol	8.028	79	1284953	78.279	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.322	45	986129	72.476	ng	98
17) 2-Methylphenol	8.228	107	1245706	77.530	ng	100
18) Hexachloroethane	8.869	117	633589	78.215	ng	99
19) n-Nitroso-di-n-propyla...	8.604	70	1065330	75.641	ng	98
20) 3+4-Methylphenols	8.557	107	1677940	78.056	ng	100
22) Acetophenone	8.610	105	2192477	75.217	ng	100
24) Nitrobenzene	8.987	77	1617938	79.299	ng	99
25) Isophorone	9.516	82	3013669	77.831	ng	100
26) 2-Nitrophenol	9.692	139	788577	89.538	ng	98
27) 2,4-Dimethylphenol	9.757	122	1396376	77.093	ng	98
28) bis(2-Chloroethoxy)met...	9.998	93	1960708	77.513	ng	100
29) 2,4-Dichlorophenol	10.228	162	1350619	80.653	ng	99
30) 1,2,4-Trichlorobenzene	10.445	180	1456329	78.151	ng	100
31) Naphthalene	10.628	128	4521397	74.953	ng	100
32) Benzoic acid	9.916	122	1021552	89.827	ng	99
33) 4-Chloroaniline	10.734	127	1968786	76.553	ng	99
34) Hexachlorobutadiene	10.928	225	876137	79.043	ng	100
35) Caprolactam	11.522	113	417728	78.683	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	1393503	77.985	ng	99
37) 2-Methylnaphthalene	12.239	142	2773230	76.205	ng	99
38) 1-Methylnaphthalene	12.463	142	2903763	75.179	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1499750	79.455	ng	100
41) Hexachlorocyclopentadiene	12.598	237	1024557	89.378	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	1035769	83.443	ng	100
44) 2,4,5-Trichlorophenol	12.916	196	1122919	82.394	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.257	154	3756723	76.752	ng	99
47) 2-Chloronaphthalene	13.292	162	2936913	77.180	ng	99
48) 2-Nitroaniline	13.486	65	725090	86.588	ng	98
49) Acenaphthylene	14.139	152	4768813	77.481	ng	100
50) Dimethylphthalate	13.886	163	3356061	75.915	ng	100
51) 2,6-Dinitrotoluene	13.986	165	743566	83.403	ng	98
52) Acenaphthene	14.486	154	2945563	76.514	ng	99
53) 3-Nitroaniline	14.316	138	820084	82.536	ng	98
54) 2,4-Dinitrophenol	14.516	184	419557	79.818	ng	95
55) Dibenzofuran	14.816	168	4229270	75.092	ng	99
56) 4-Nitrophenol	14.616	139	684831	80.978	ng	97
57) 2,4-Dinitrotoluene	14.774	165	994115	84.530	ng	97
58) Fluorene	15.463	166	3057322	70.874	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.039	232	915334	77.626	ng	93
60) Diethylphthalate	15.251	149	3236518	73.786	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	1497395	71.823	ng	98
62) 4-Nitroaniline	15.480	138	746446	80.153	ng	99
63) Azobenzene	15.757	77	3216935	73.375	ng	99
65) 4,6-Dinitro-2-methylph...	15.533	198	540790	88.276	ng	98
66) n-Nitrosodiphenylamine	15.674	169	2805368	79.603	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	977940	81.762	ng	97
68) Hexachlorobenzene	16.468	284	1117623	79.976	ng	97
69) Atrazine	16.627	200	913622	81.362	ng	99
70) Pentachlorophenol	16.804	266	766580	84.374	ng	99
71) Phenanthrene	17.198	178	4793533	74.812	ng	100
72) Anthracene	17.286	178	4900912	76.458	ng	99
73) Carbazole	17.551	167	4417127	75.641	ng	100
74) Di-n-butylphthalate	18.133	149	4904225	77.184	ng	100
75) Fluoranthene	19.209	202	5027290	74.400	ng	99
77) Benzidine	19.392	184	2034794	73.924	ng	100
78) Pyrene	19.568	202	5224283	79.187	ng	99
80) Butylbenzylphthalate	20.480	149	1897236	86.212	ng	98
81) Benzo(a)anthracene	21.368	228	4797580	77.435	ng	99
82) 3,3'-Dichlorobenzidine	21.292	252	1627542	86.143	ng	100
83) Chrysene	21.433	228	4547461	77.162	ng	100
84) Bis(2-ethylhexyl)phtha...	21.321	149	2796211	82.490	ng	99
85) Di-n-octyl phthalate	22.462	149	4575834	90.971	ng	100
87) Indeno(1,2,3-cd)pyrene	27.762	276	5980793	87.435	ng	100
88) Benzo(b)fluoranthene	23.439	252	4811379	77.897	ng	99
89) Benzo(k)fluoranthene	23.503	252	4862610	77.118	ng	100
90) Benzo(a)pyrene	24.239	252	4719647	81.270	ng	100
91) Dibenzo(a,h)anthracene	27.821	278	4849919	87.349	ng	99
92) Benzo(g,h,i)perylene	28.815	276	4870648	87.646	ng	99

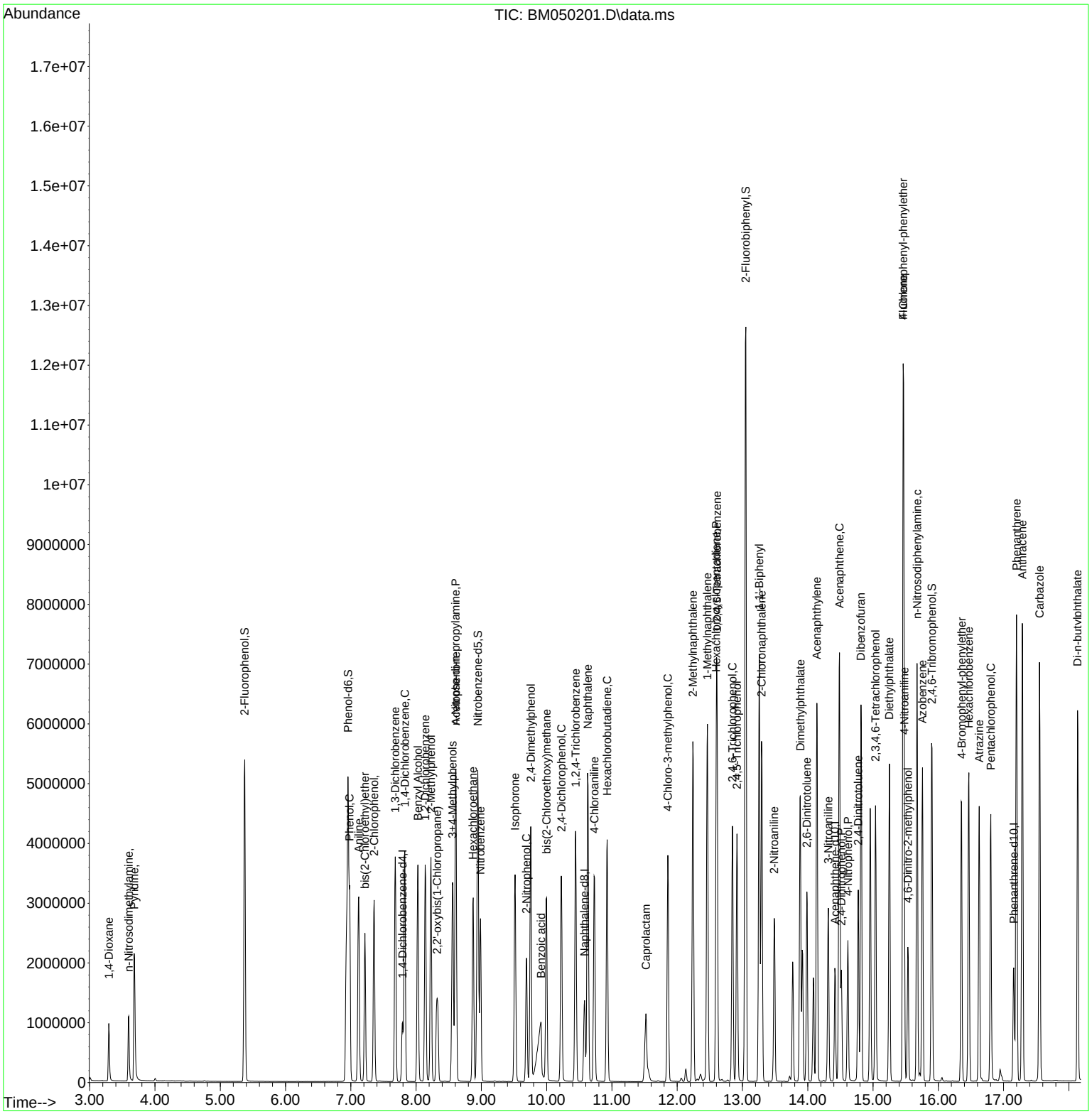
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

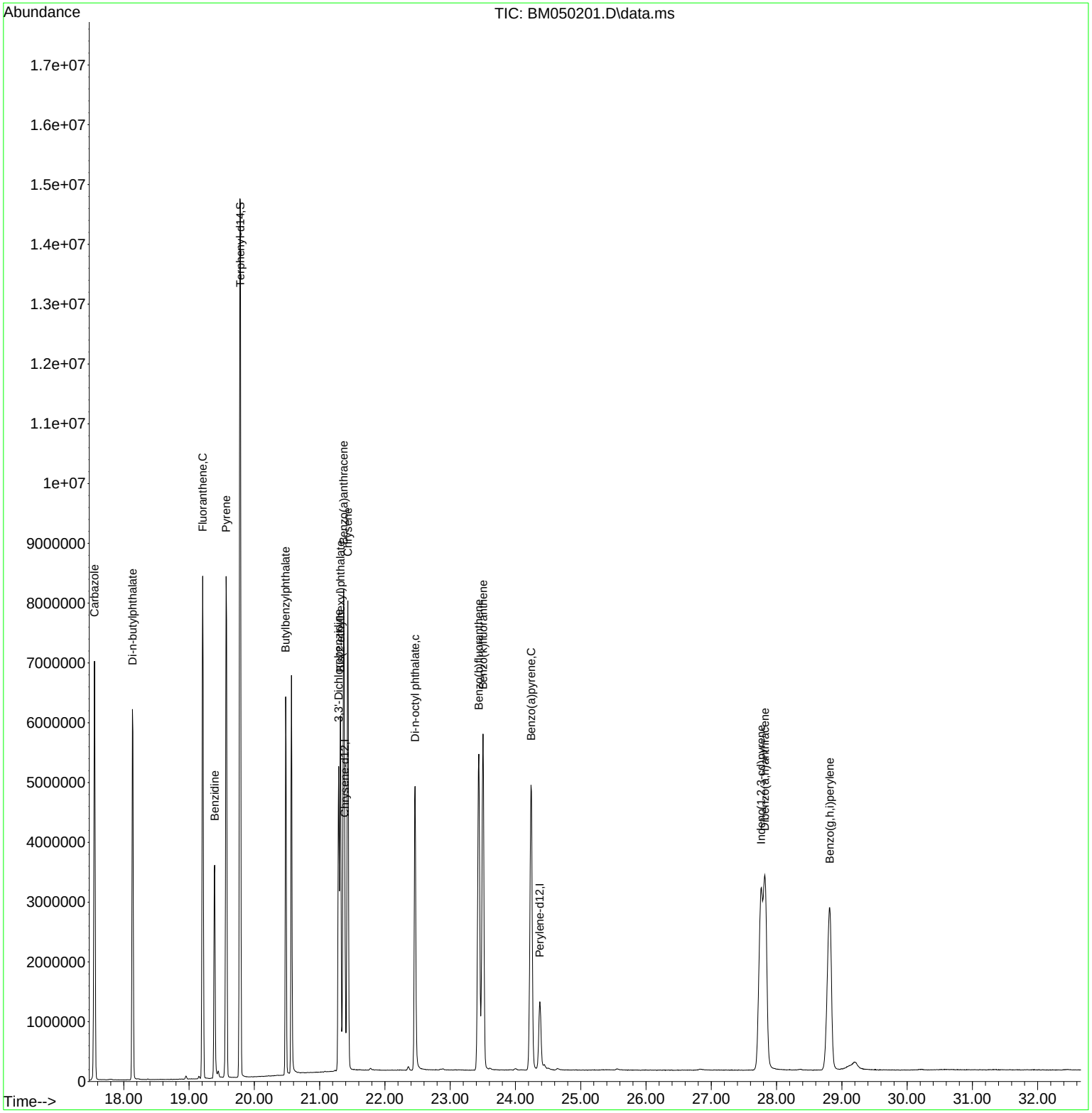


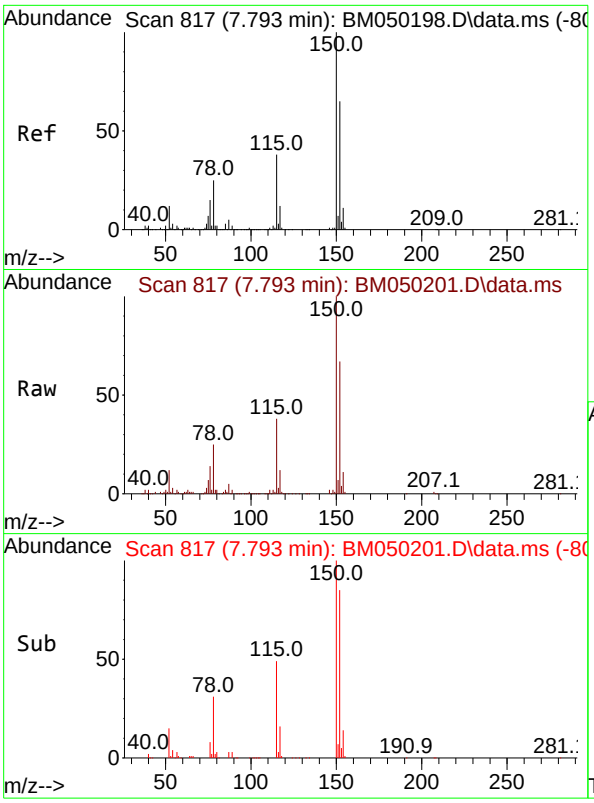
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



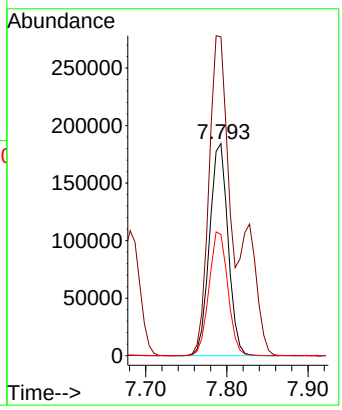


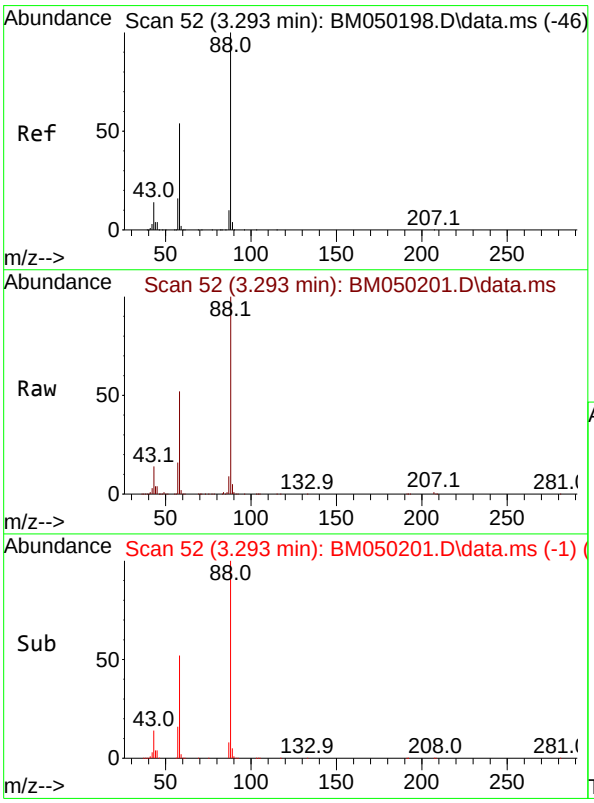
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 291644

Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.2	183.4
115	57.2	46.3	69.5

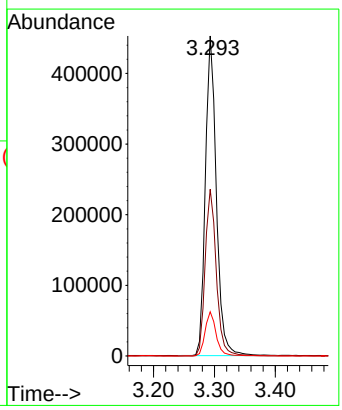


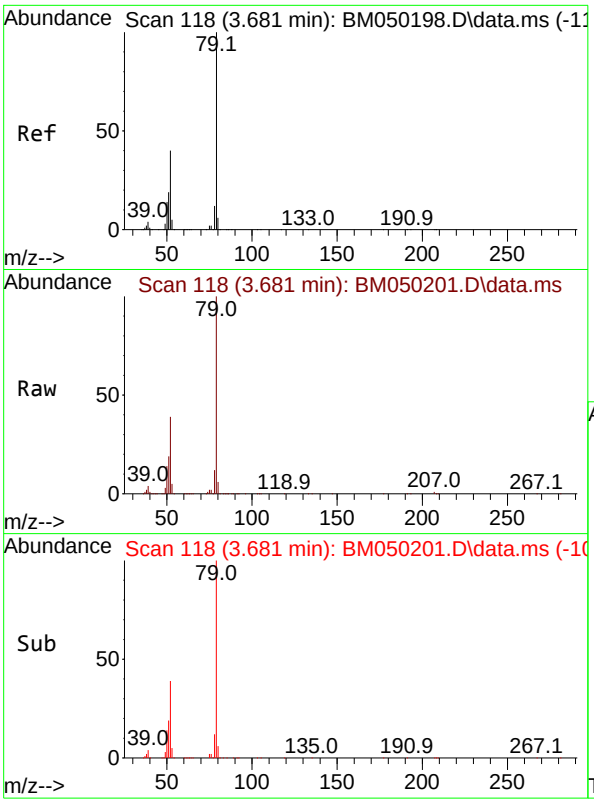


#2
1,4-Dioxane
Concen: 74.235 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 88 Resp: 568907

Ion	Ratio	Lower	Upper
88	100		
58	52.9	42.9	64.3
43	13.9	11.0	16.6



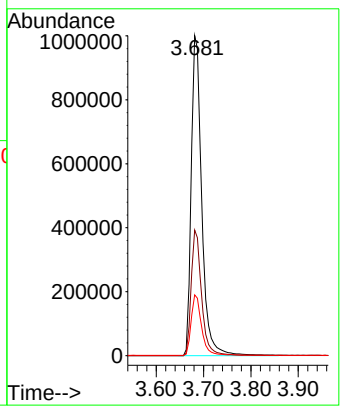


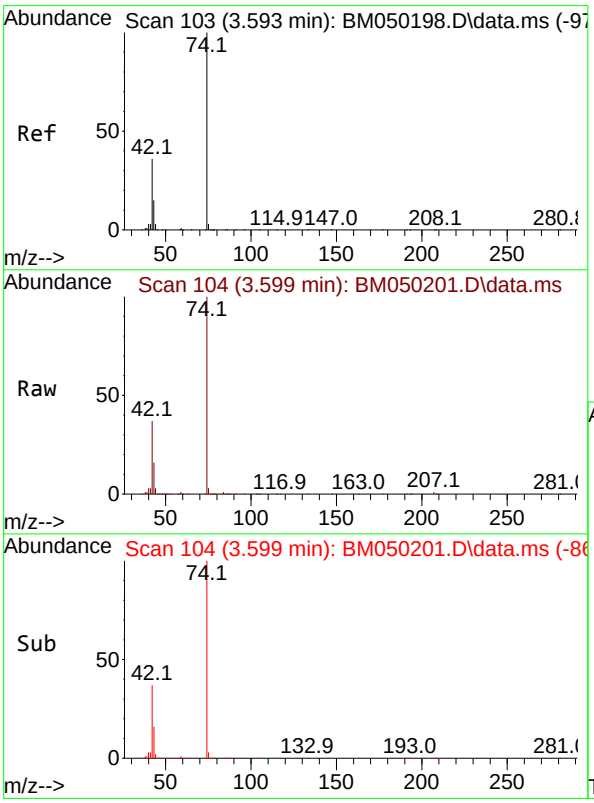
#3
Pyridine
Concen: 77.965 ng
RT: 3.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1547303

Ion	Ratio	Lower	Upper
79	100		
52	39.3	32.1	48.1
51	19.0	15.4	23.0

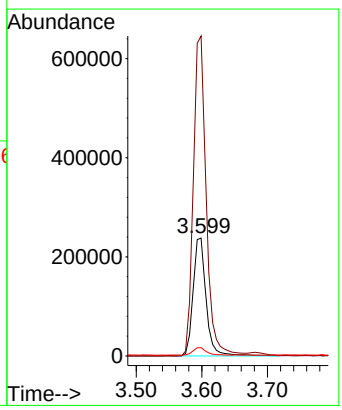


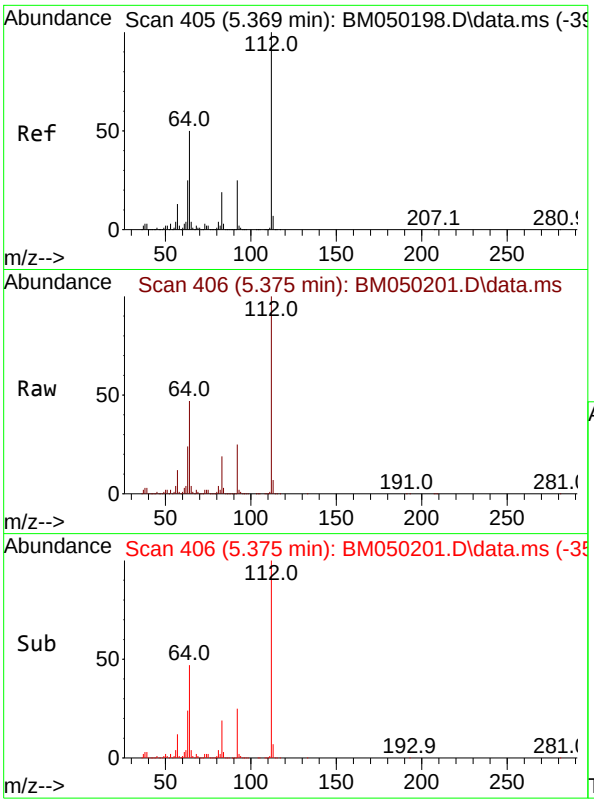


#4
n-Nitrosodimethylamine
Concen: 80.251 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 42 Resp: 329339

Ion	Ratio	Lower	Upper
42	100		
74	271.2	222.0	333.0
44	7.0	7.0	10.6



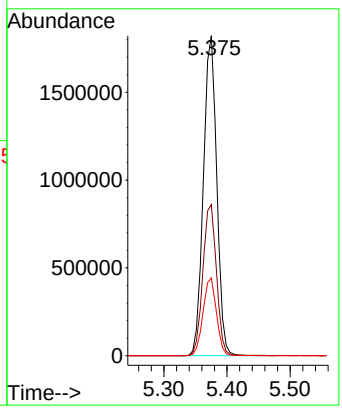


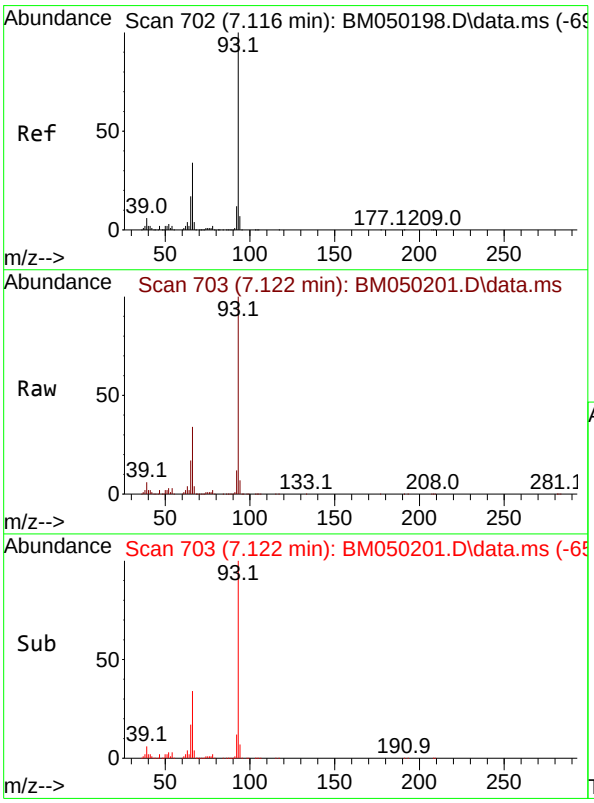
#5
2-Fluorophenol
Concen: 153.426 ng
RT: 5.375 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2682374

Ion	Ratio	Lower	Upper
112	100		
64	47.2	39.8	59.6
63	24.3	19.8	29.8

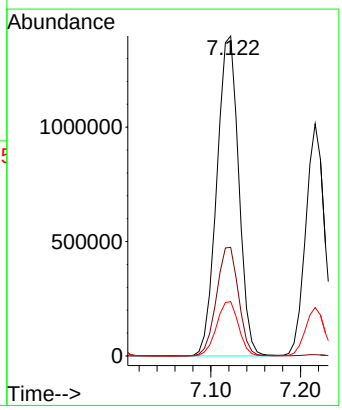


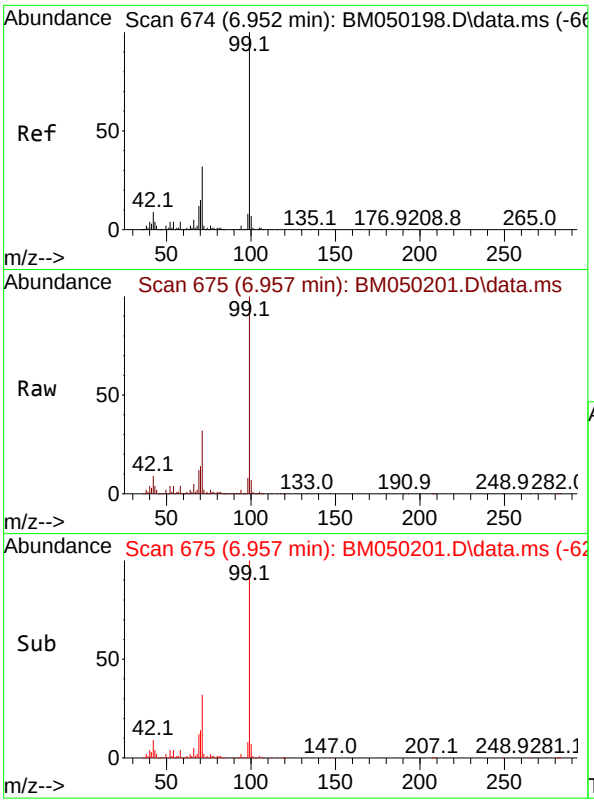


#6
Aniline
Concen: 77.871 ng
RT: 7.122 min Scan# 703
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 93 Resp: 2369250

Ion	Ratio	Lower	Upper
93	100		
66	34.0	27.4	41.2
65	17.0	13.6	20.4



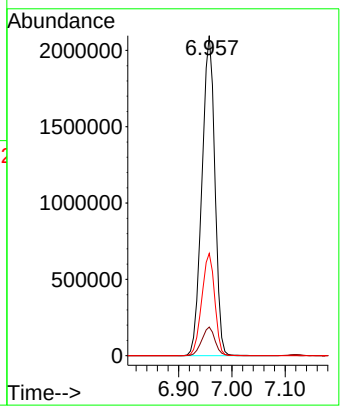


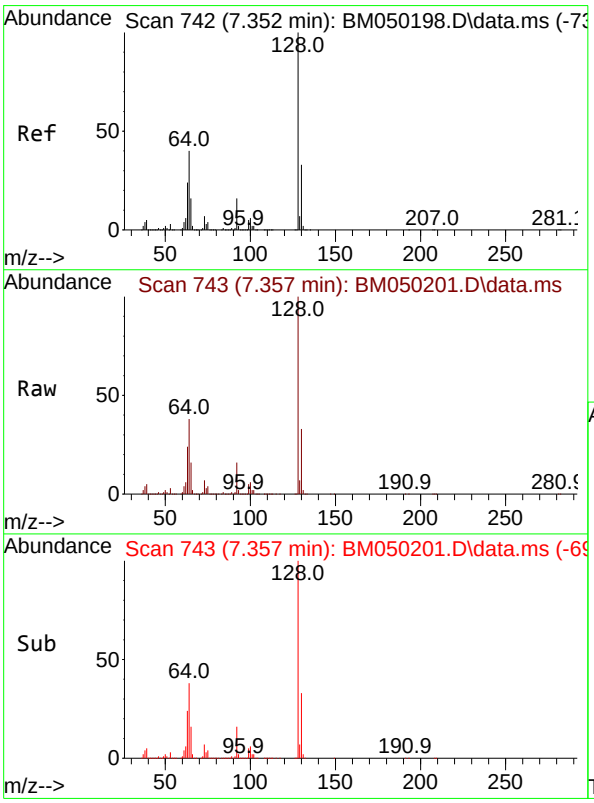
#7
Phenol-d6
Concen: 153.692 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3537202

Ion	Ratio	Lower	Upper
99	100		
42	8.9	6.9	10.3
71	32.0	25.3	37.9

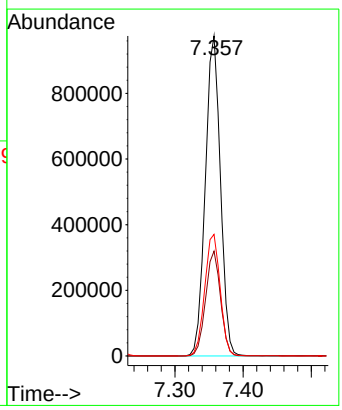


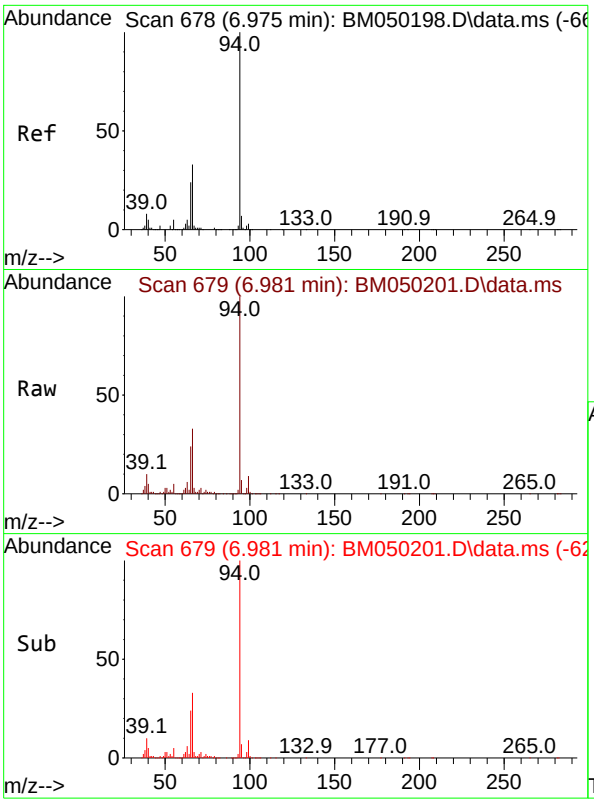


#8
2-Chlorophenol
Concen: 78.110 ng
RT: 7.357 min Scan# 743
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:128 Resp: 1502113

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	38.0	19.8	59.8



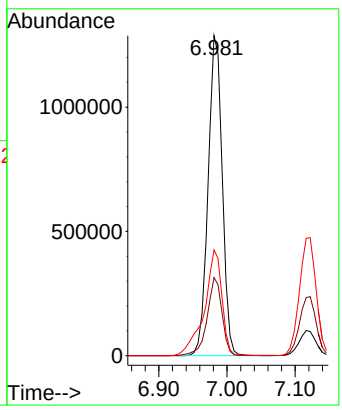


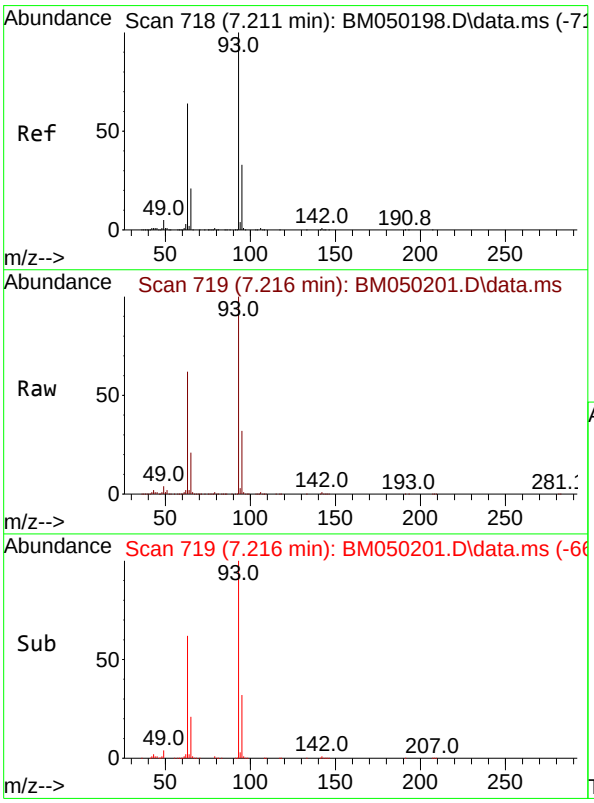
#10
Phenol
Concen: 76.653 ng
RT: 6.981 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1866613

Ion	Ratio	Lower	Upper
94	100		
65	24.4	4.3	44.3
66	33.0	12.9	52.9

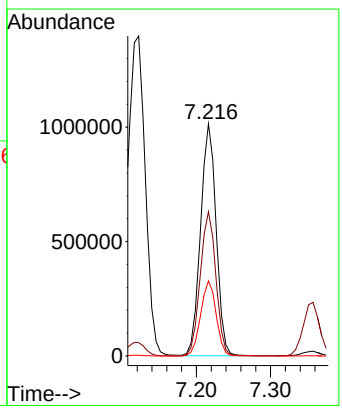


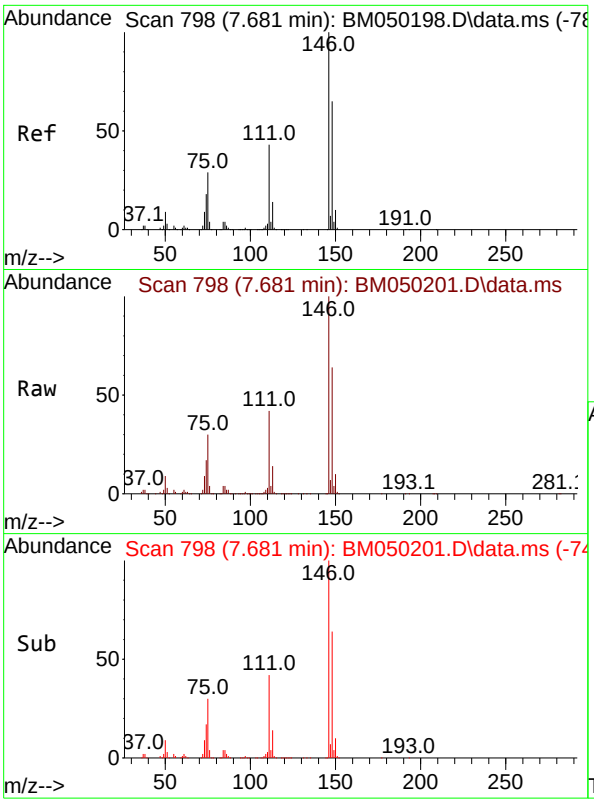


#11
bis(2-Chloroethyl)ether
Concen: 75.590 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 93 Resp: 1480567

Ion	Ratio	Lower	Upper
93	100		
63	62.1	43.9	83.9
95	32.3	12.7	52.7



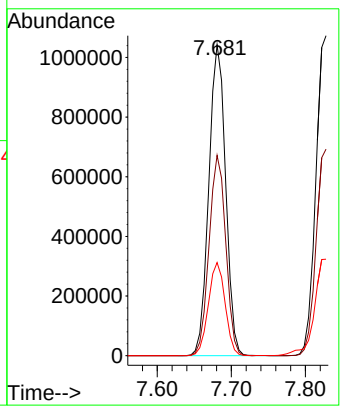


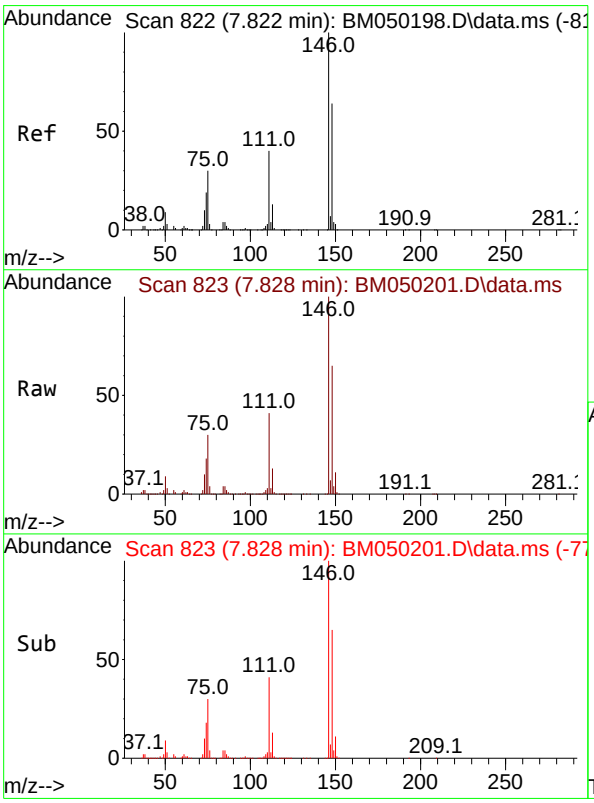
#12
1,3-Dichlorobenzene
Concen: 76.431 ng
RT: 7.681 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1643168

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
75	30.0	23.4	35.0

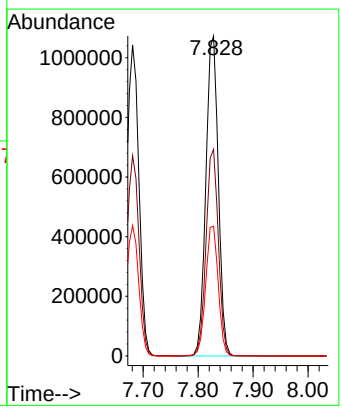


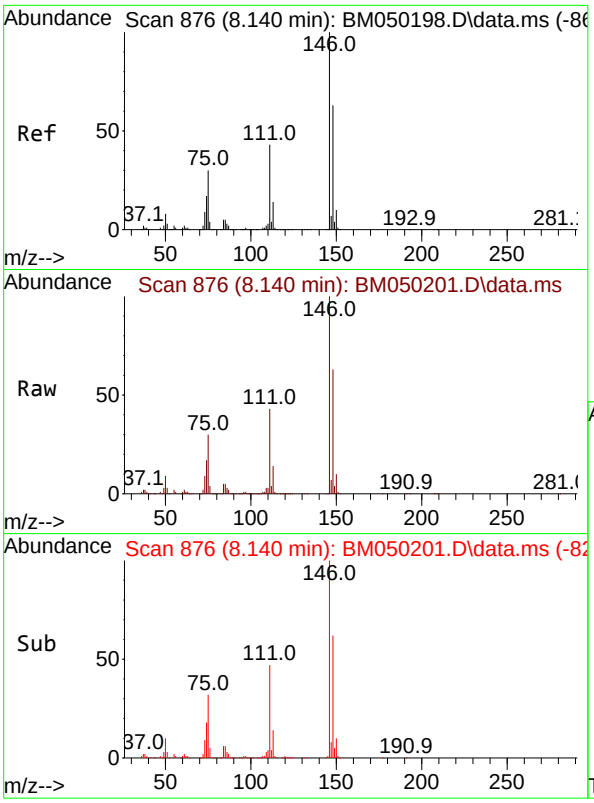


#13
1,4-Dichlorobenzene
Concen: 75.334 ng
RT: 7.828 min Scan# 823
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:146 Resp: 1685110

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.0
111	40.6	32.3	48.5



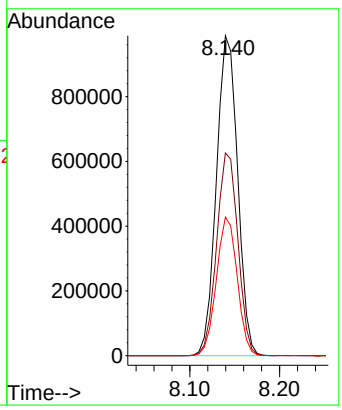


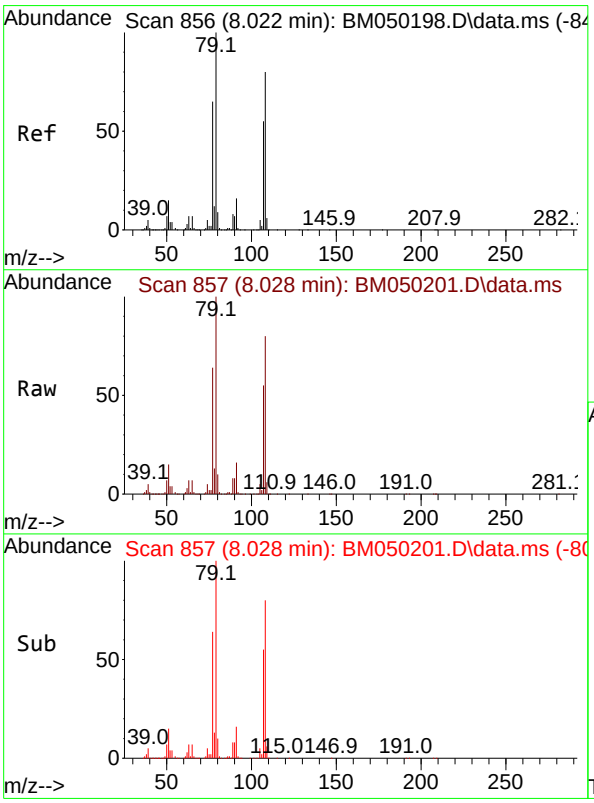
#14
1,2-Dichlorobenzene
Concen: 76.165 ng
RT: 8.140 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1624137

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.4	75.6
111	43.3	34.3	51.5

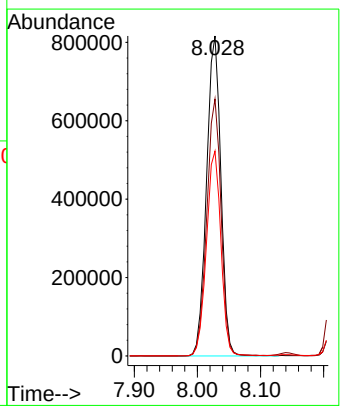


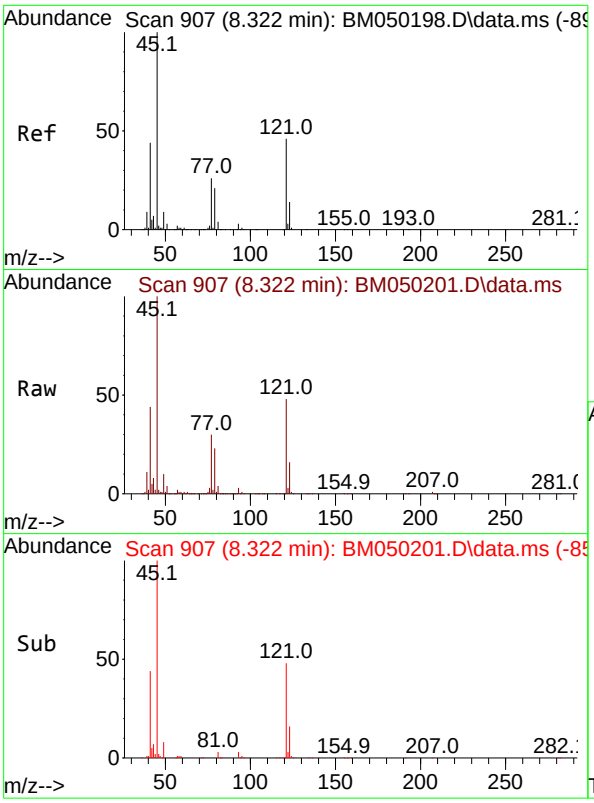


#15
Benzyl Alcohol
Concen: 78.279 ng
RT: 8.028 min Scan# 857
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 79 Resp: 1284953

Ion	Ratio	Lower	Upper
79	100		
108	80.3	64.0	96.0
77	64.0	52.2	78.2



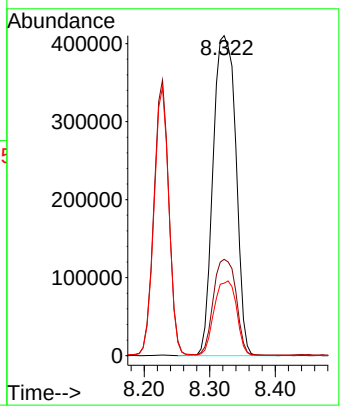


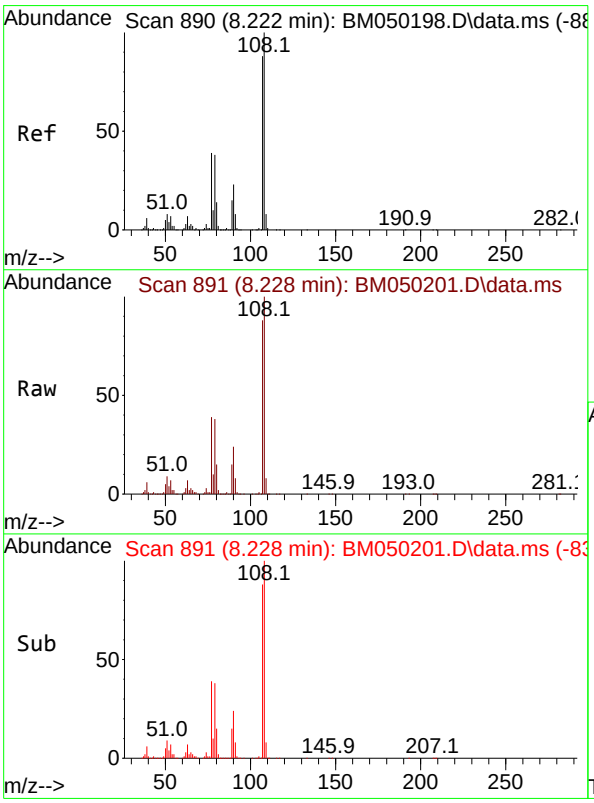
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.476 ng
RT: 8.322 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 986129

Ion	Ratio	Lower	Upper
45	100		
77	30.1	8.7	48.7
79	22.6	2.7	42.7

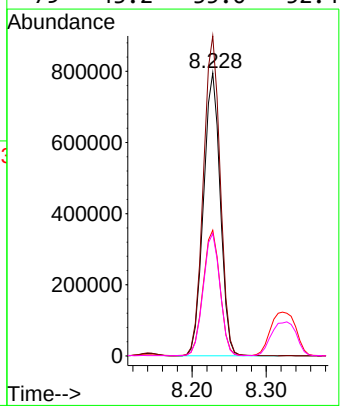


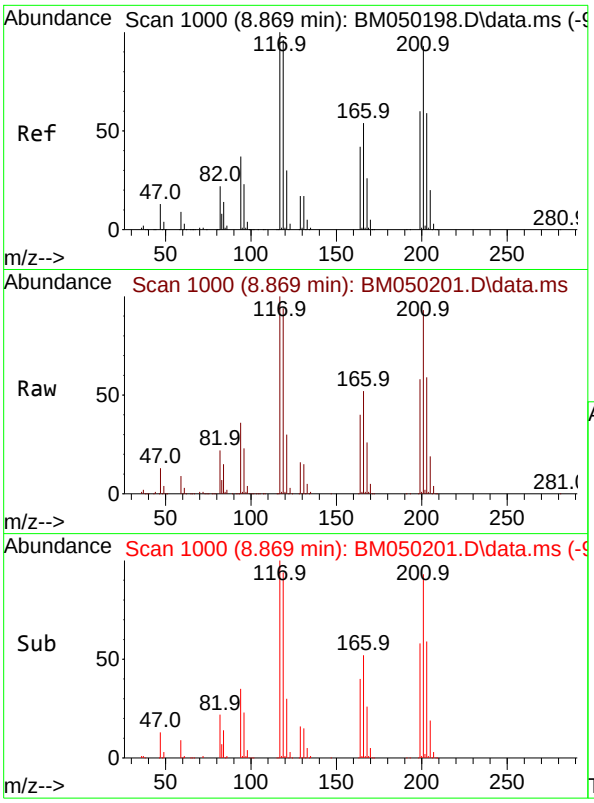


#17
2-Methylphenol
Concen: 77.530 ng
RT: 8.228 min Scan# 891
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:107 Resp: 1245706

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.8	136.2
77	44.4	35.7	53.5
79	43.2	35.0	52.4



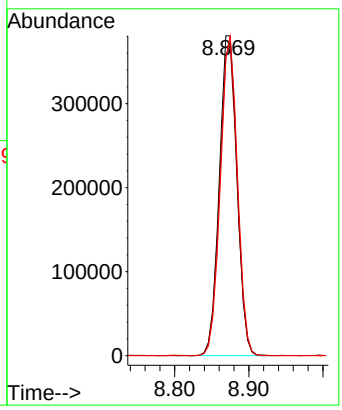


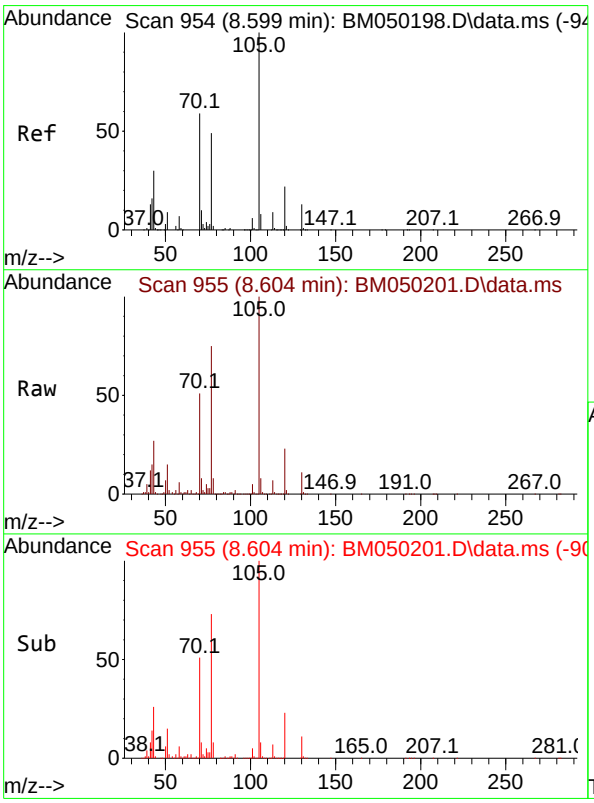
#18
Hexachloroethane
Concen: 78.215 ng
RT: 8.869 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 633589

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
201	92.8	74.6	111.8

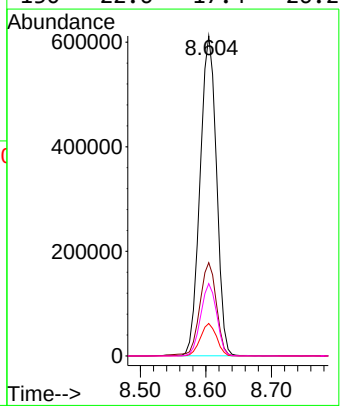


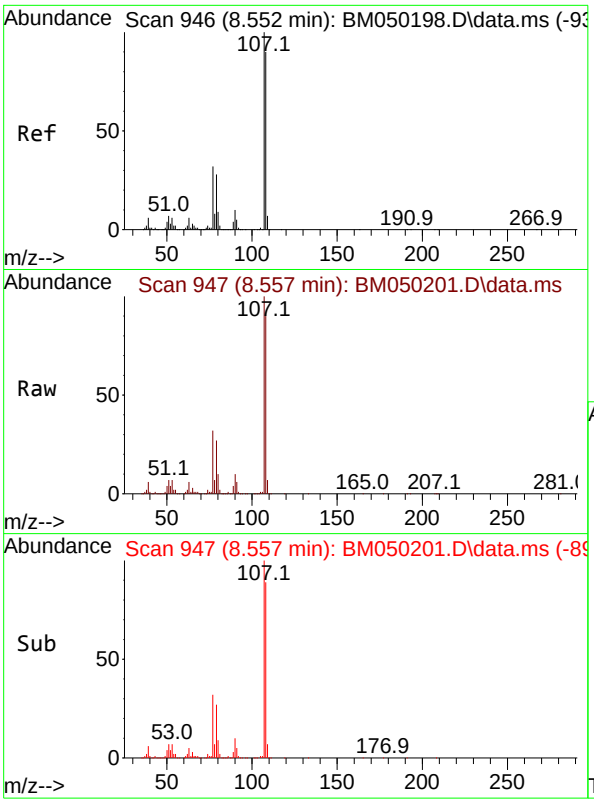


#19
n-Nitroso-di-n-propylamine
Concen: 75.641 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 70 Resp: 1065330

Ion	Ratio	Lower	Upper
70	100		
42	29.1	22.6	33.8
101	10.1	8.3	12.5
130	22.6	17.4	26.2



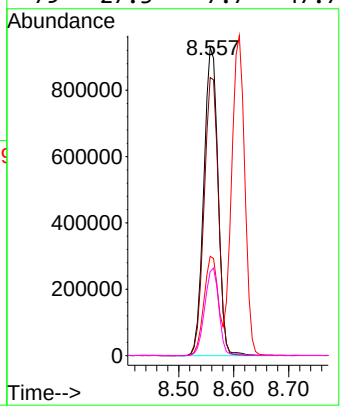


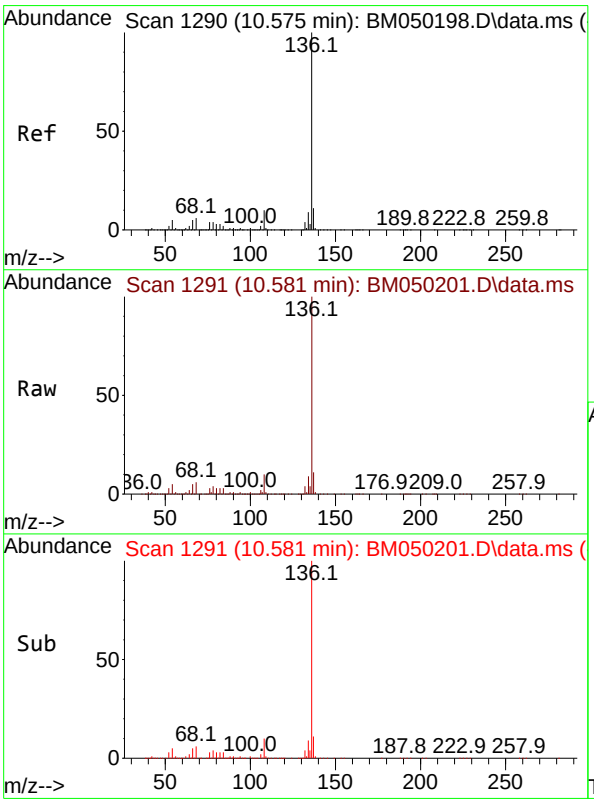
#20
3+4-Methylphenols
Concen: 78.056 ng
RT: 8.557 min Scan# 94
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1677940

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.4	110.4
77	32.3	12.2	52.2
79	27.3	7.7	47.7

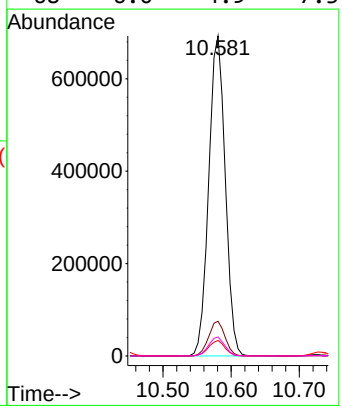


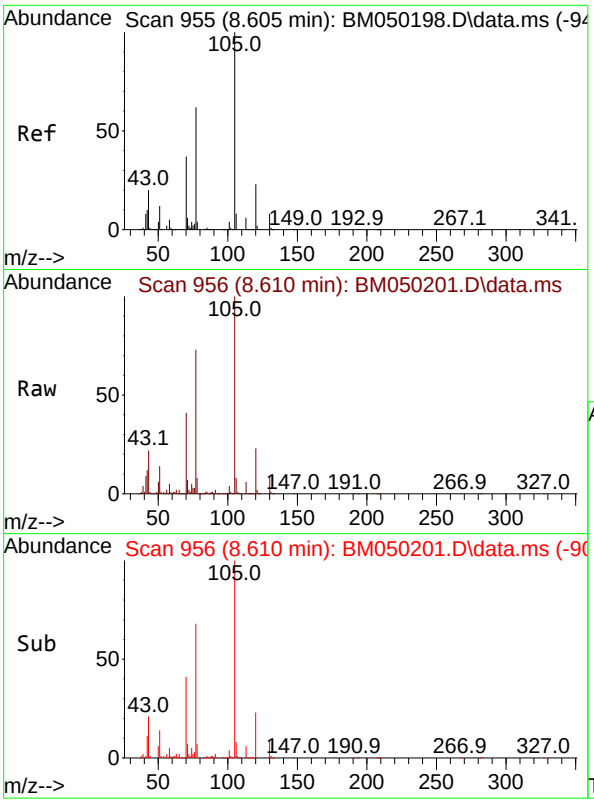


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:136 Resp: 1166744

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	4.8	3.8	5.8
68	6.0	4.9	7.3



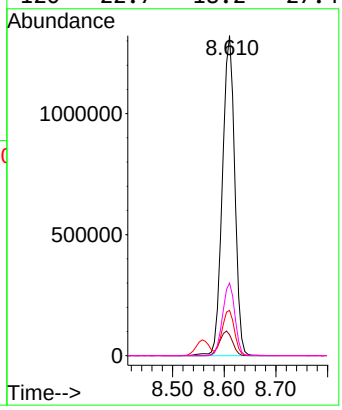


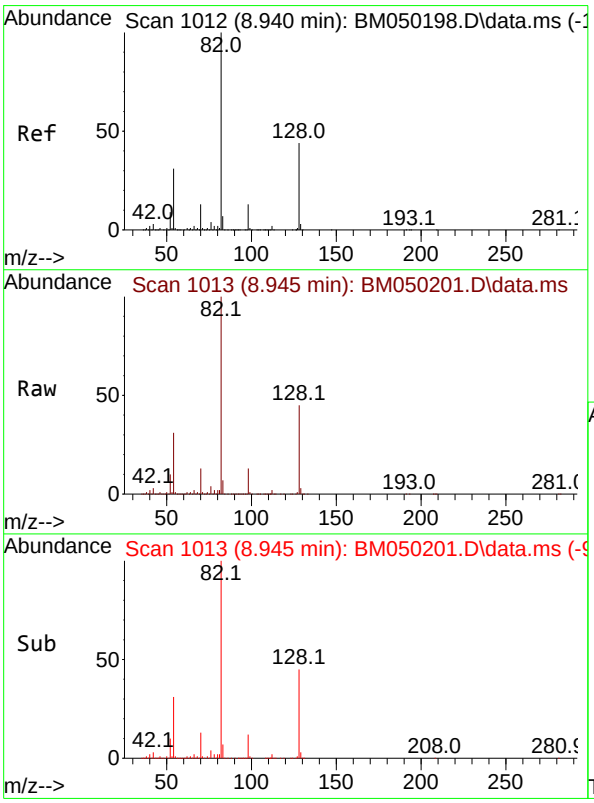
#22
Acetophenone
Concen: 75.217 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 2192477

Ion	Ratio	Lower	Upper
105	100		
71	6.6	5.0	7.4
51	14.2	11.4	17.2
120	22.7	18.2	27.4

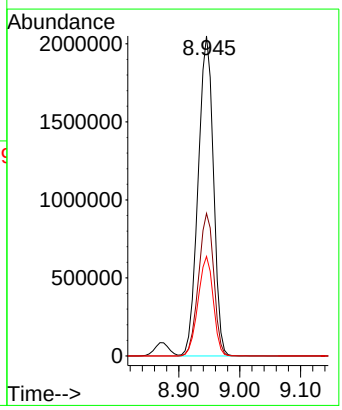


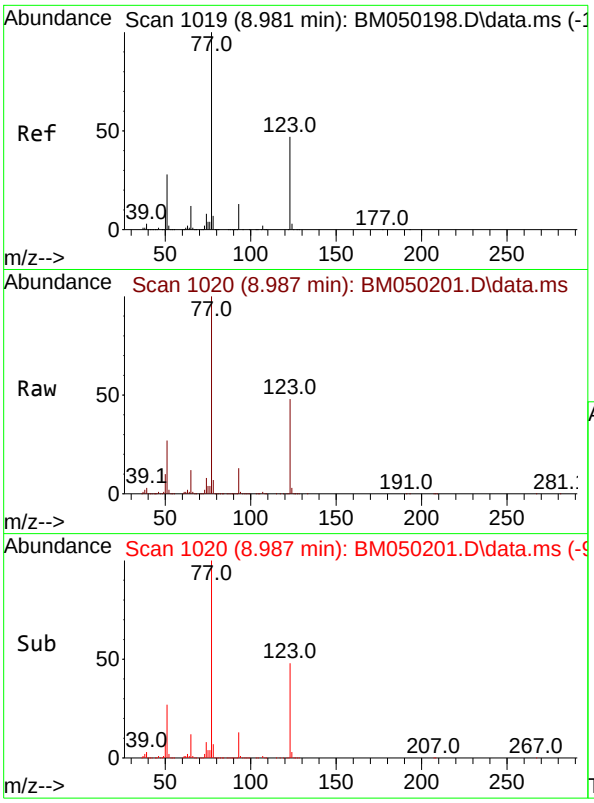


#23
Nitrobenzene-d5
Concen: 159.011 ng
RT: 8.945 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 82 Resp: 3567235

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.2	52.8
54	31.1	24.5	36.7



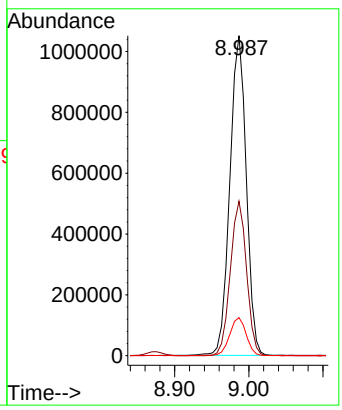


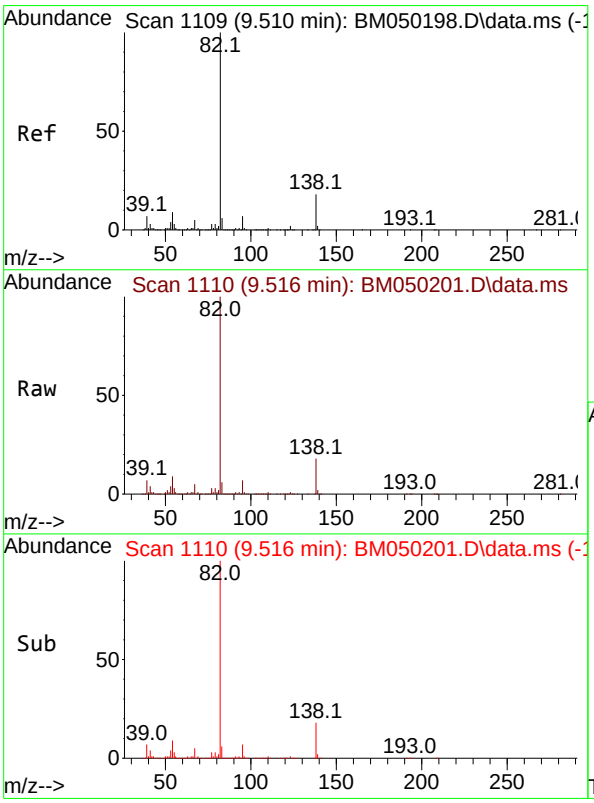
#24
Nitrobenzene
Concen: 79.299 ng
RT: 8.987 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1617938

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.2	57.2
65	11.9	9.5	14.3

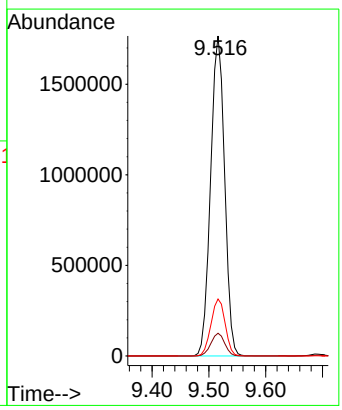


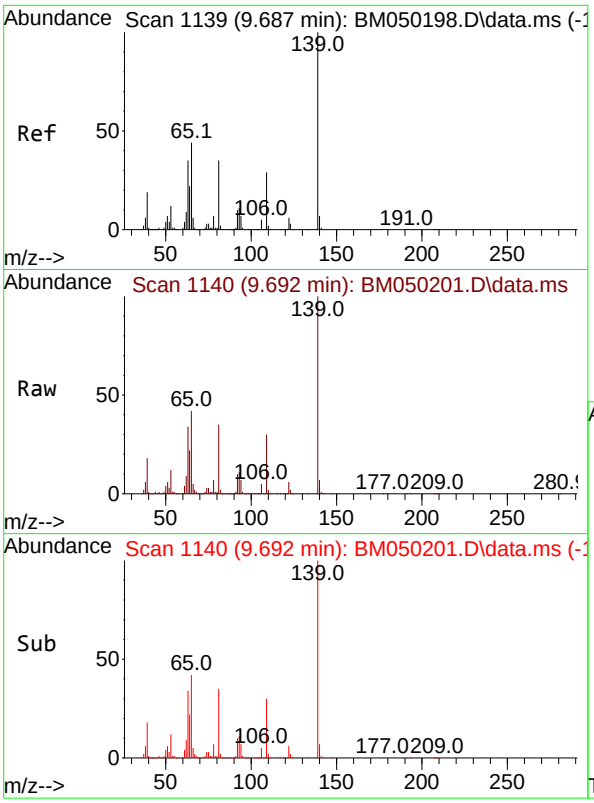


#25
Isophorone
Concen: 77.831 ng
RT: 9.516 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 82 Resp: 3013669

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	17.8	14.2	21.2



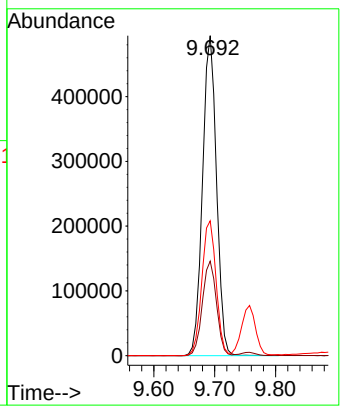


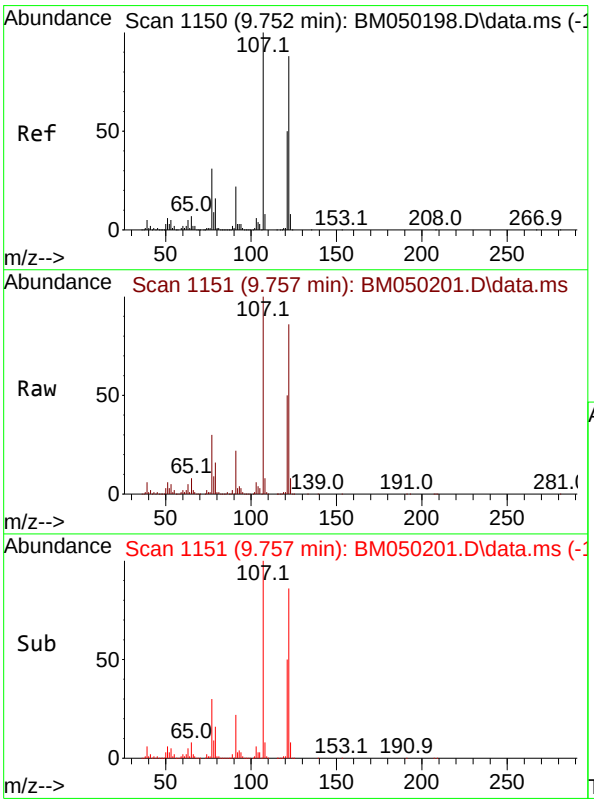
#26
2-Nitrophenol
Concen: 89.538 ng
RT: 9.692 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 788577

Ion	Ratio	Lower	Upper
139	100		
109	29.6	23.3	34.9
65	42.2	35.2	52.8

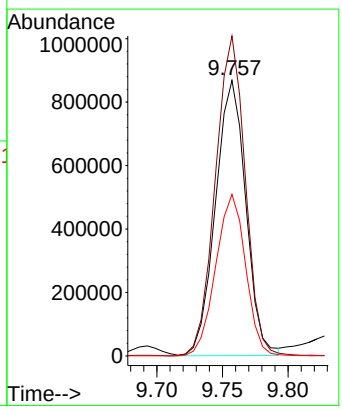


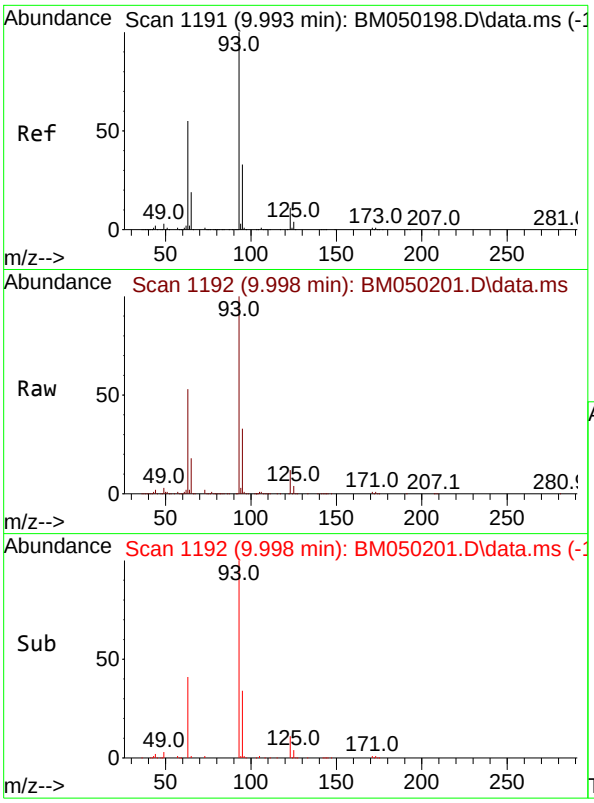


#27
2,4-Dimethylphenol
Concen: 77.093 ng
RT: 9.757 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:122 Resp: 1396376

Ion	Ratio	Lower	Upper
122	100		
107	116.1	91.0	136.6
121	58.6	45.8	68.6



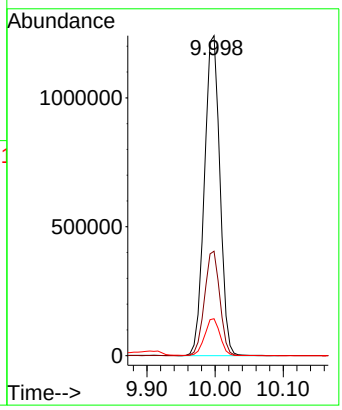


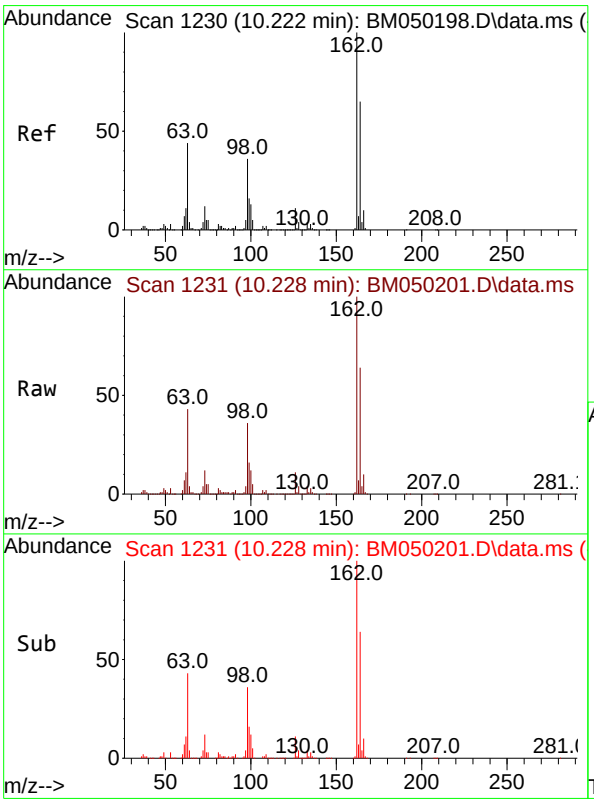
#28
bis(2-Chloroethoxy)methane
Concen: 77.513 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1960708

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.5	8.9	13.3

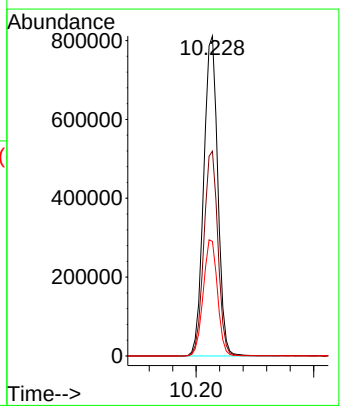


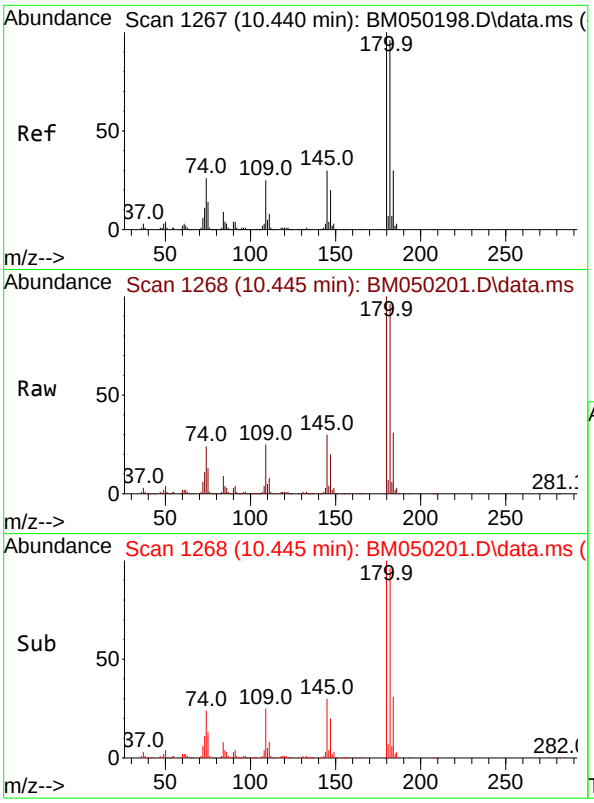


#29
2,4-Dichlorophenol
Concen: 80.653 ng
RT: 10.228 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:162 Resp: 1350619

Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.0	85.0
98	35.8	16.3	56.3



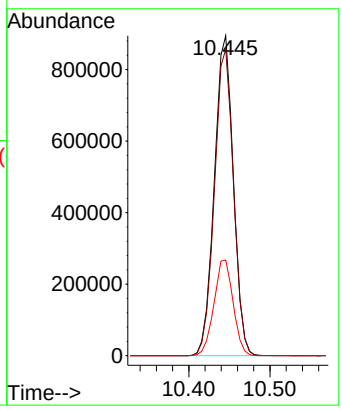


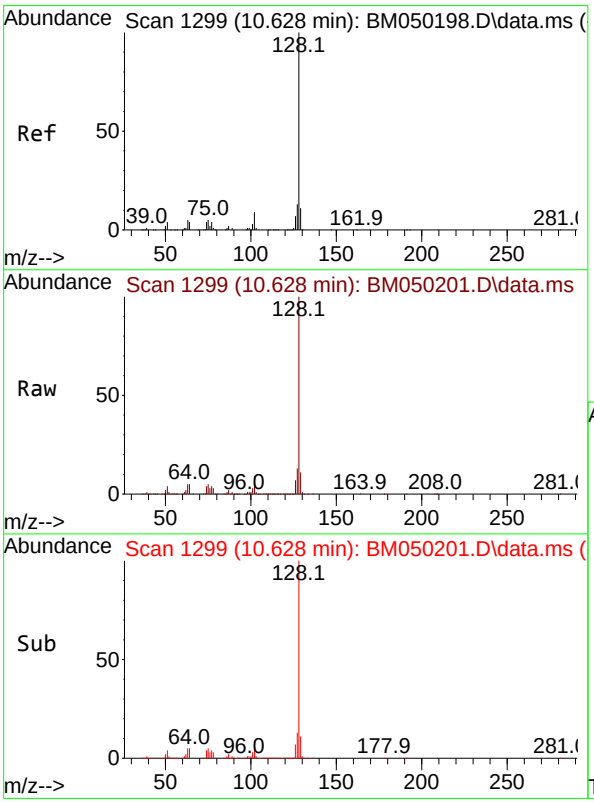
#30
1,2,4-Trichlorobenzene
Concen: 78.151 ng
RT: 10.445 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 1456329

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	114.8
145	29.9	24.2	36.4

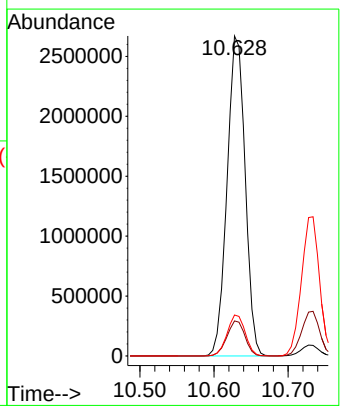


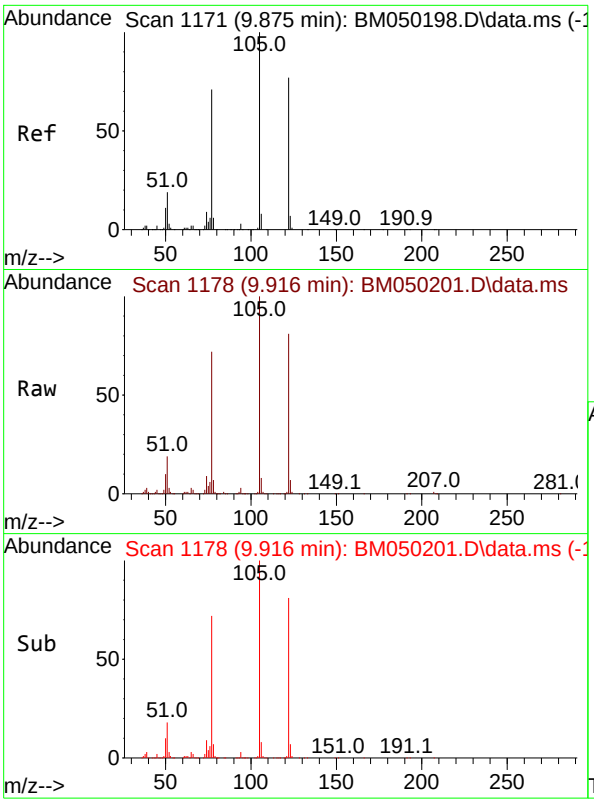


#31
Naphthalene
Concen: 74.953 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:128 Resp: 4521397

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.8	10.2	15.4



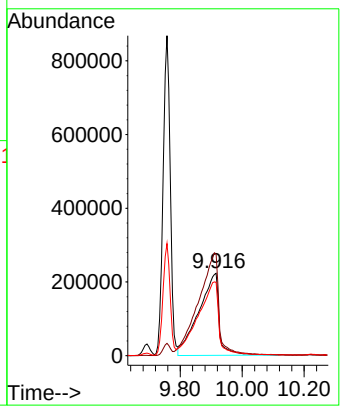


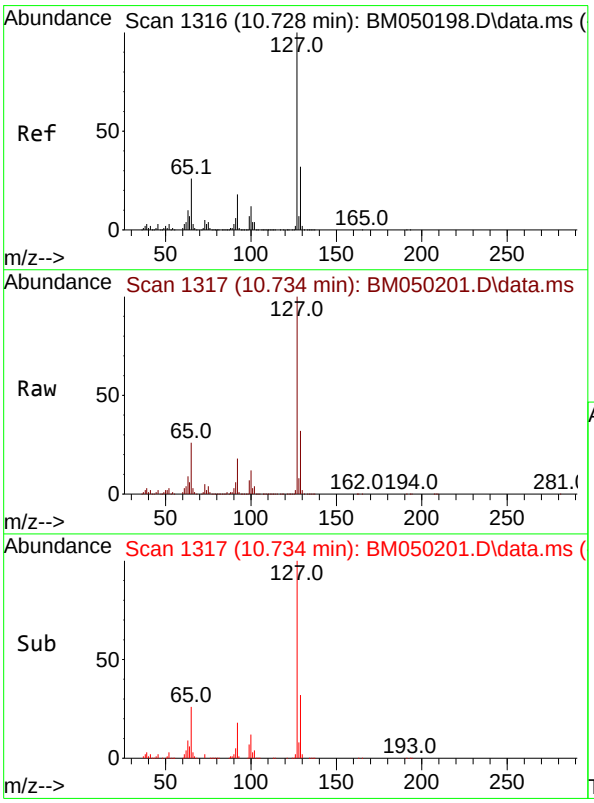
#32
Benzoic acid
Concen: 89.827 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1021552

Ion	Ratio	Lower	Upper
122	100		
105	123.5	103.4	143.4
77	89.2	70.3	110.3

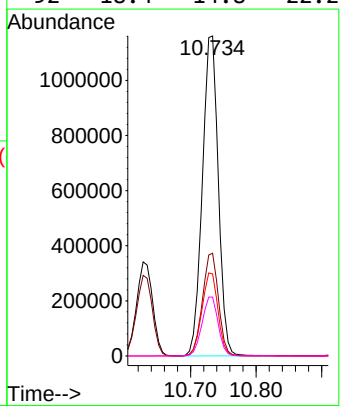


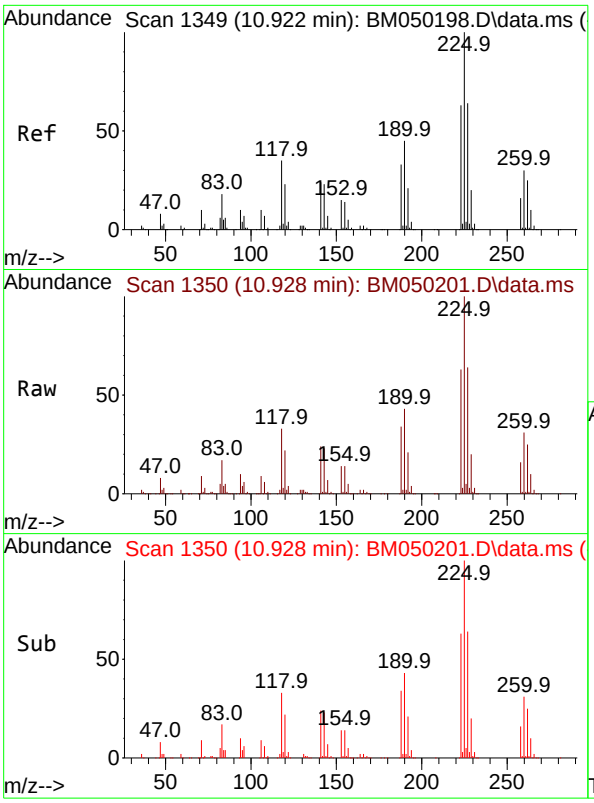


#33
4-Chloroaniline
Concen: 76.553 ng
RT: 10.734 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:127 Resp: 1968786

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.0
65	25.7	21.0	31.4
92	18.4	14.8	22.2



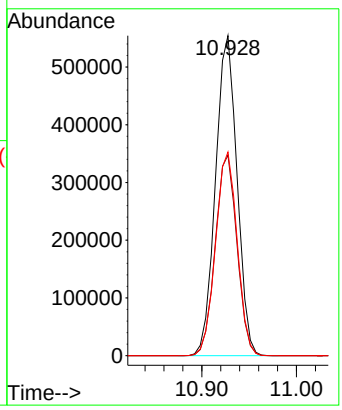


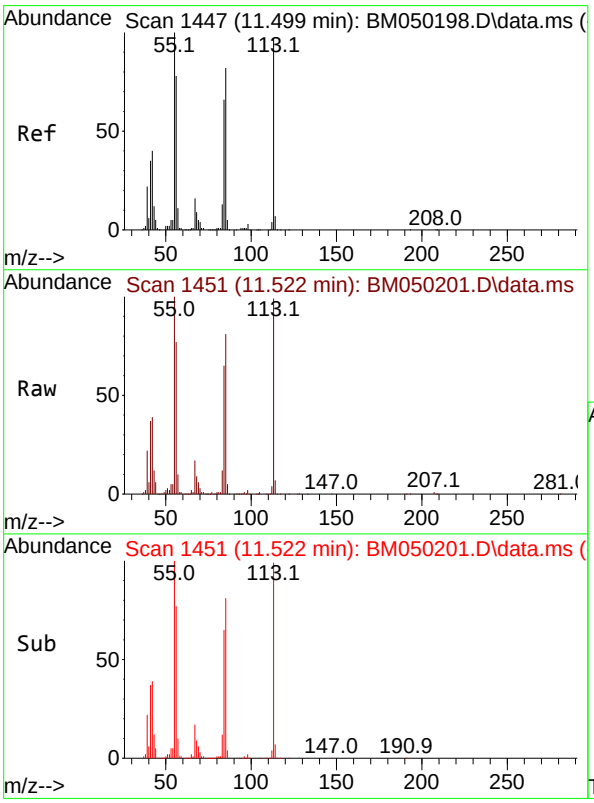
#34
Hexachlorobutadiene
Concen: 79.043 ng
RT: 10.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 876137

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	63.7	51.0	76.4

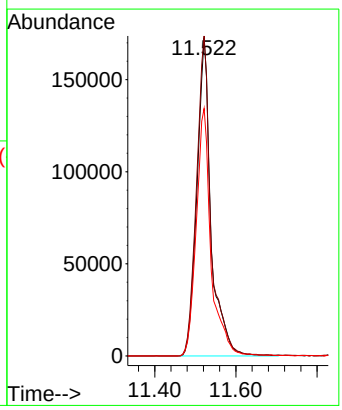


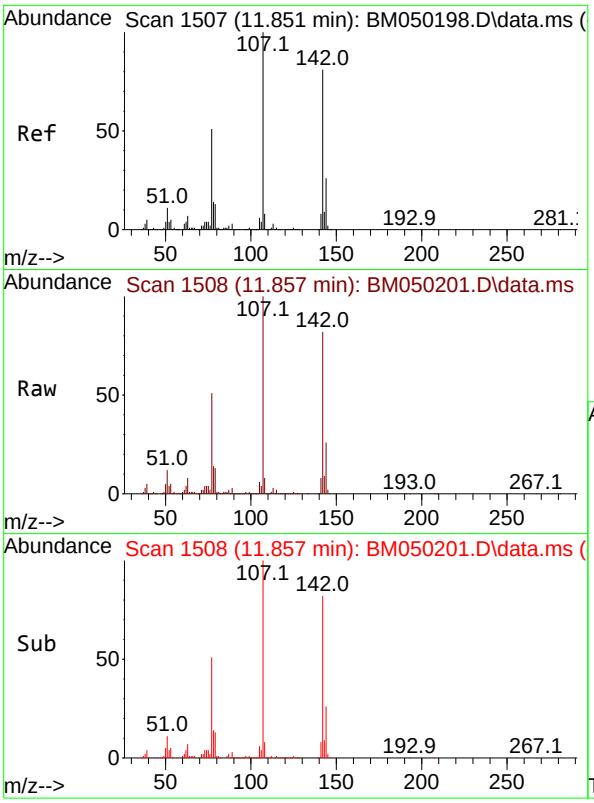


#35
Caprolactam
Concen: 78.683 ng
RT: 11.522 min Scan# 1451
Delta R.T. 0.023 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:113 Resp: 417728

Ion	Ratio	Lower	Upper
113	100		
55	100.6	83.5	123.5
56	77.8	60.6	100.6



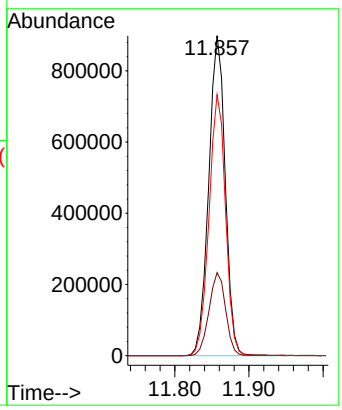


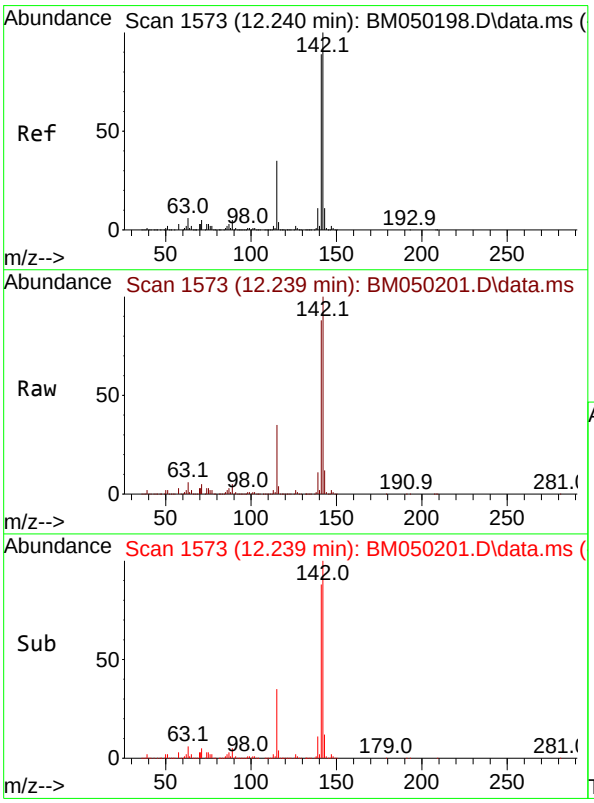
#36
4-Chloro-3-methylphenol
Concen: 77.985 ng
RT: 11.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1393503

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.6
142	81.5	64.8	97.2

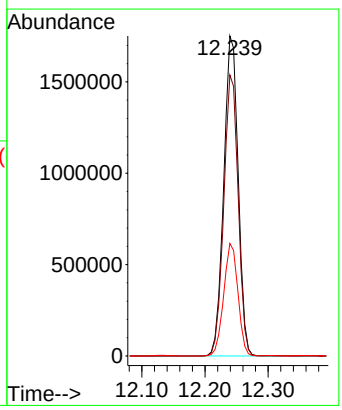


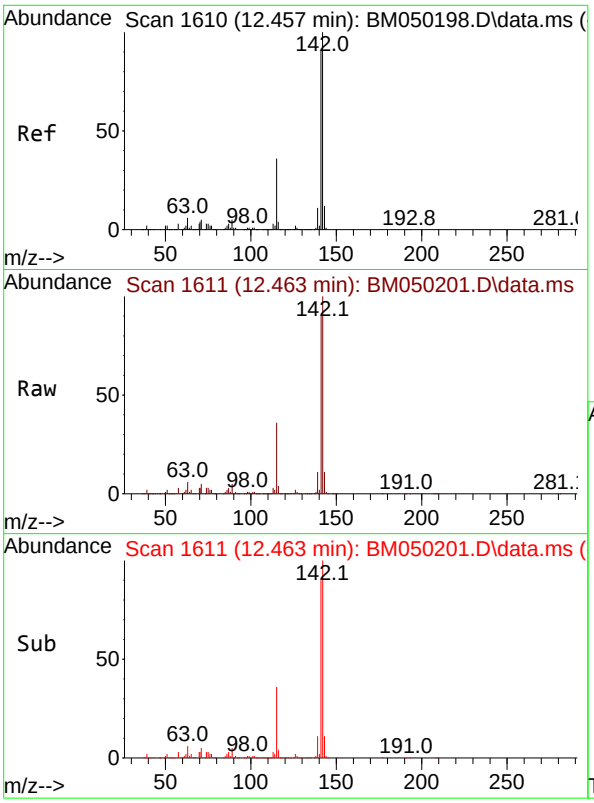


#37
2-Methylnaphthalene
Concen: 76.205 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:142 Resp: 2773230

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.5	107.3
115	35.1	27.8	41.8



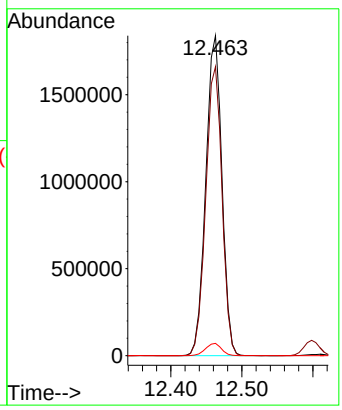


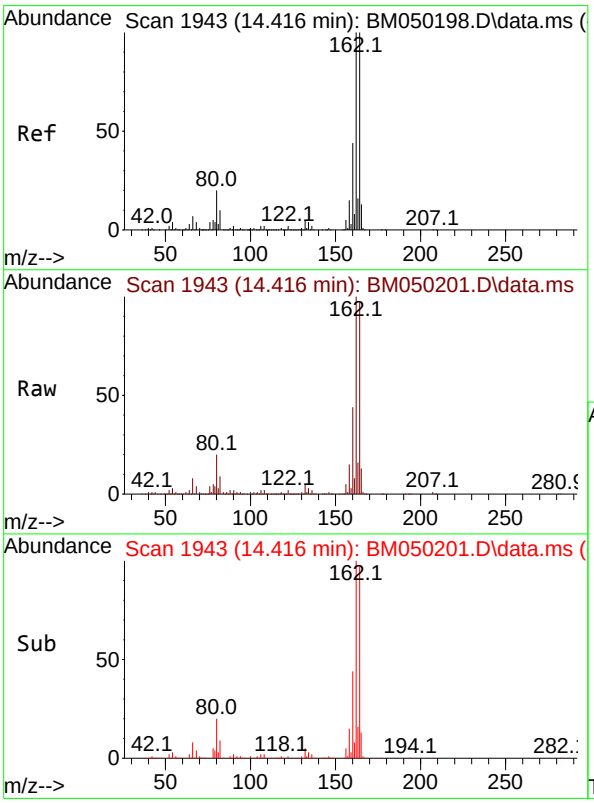
#38
1-Methylnaphthalene
Concen: 75.179 ng
RT: 12.463 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2903763

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.9	109.3
116	3.8	3.0	4.6

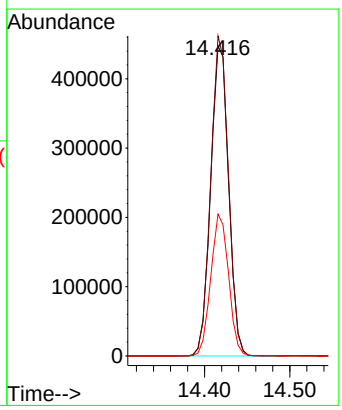


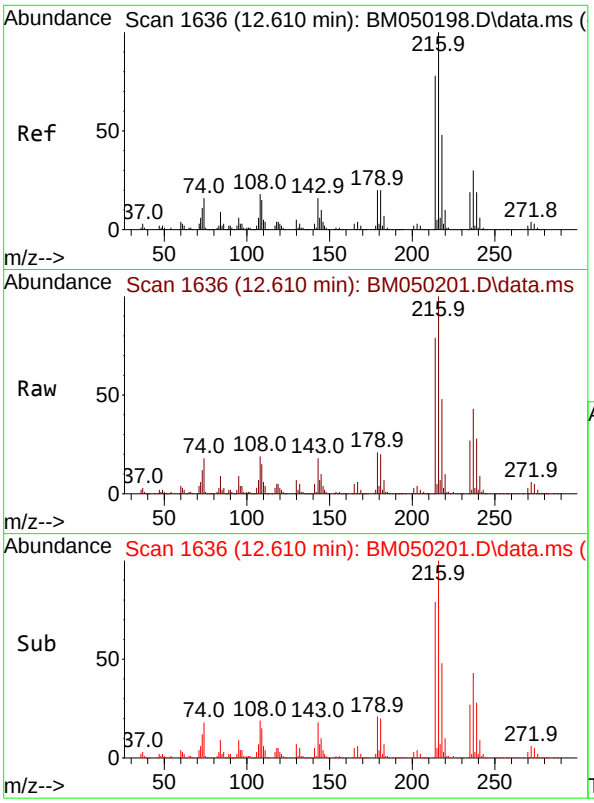


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:164 Resp: 653677

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.4
160	45.8	35.7	53.5



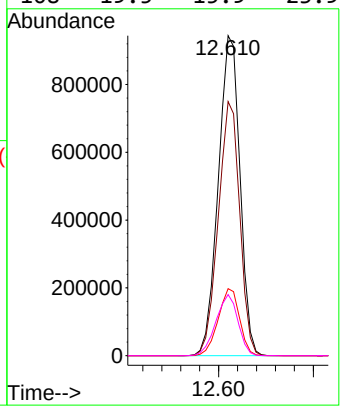


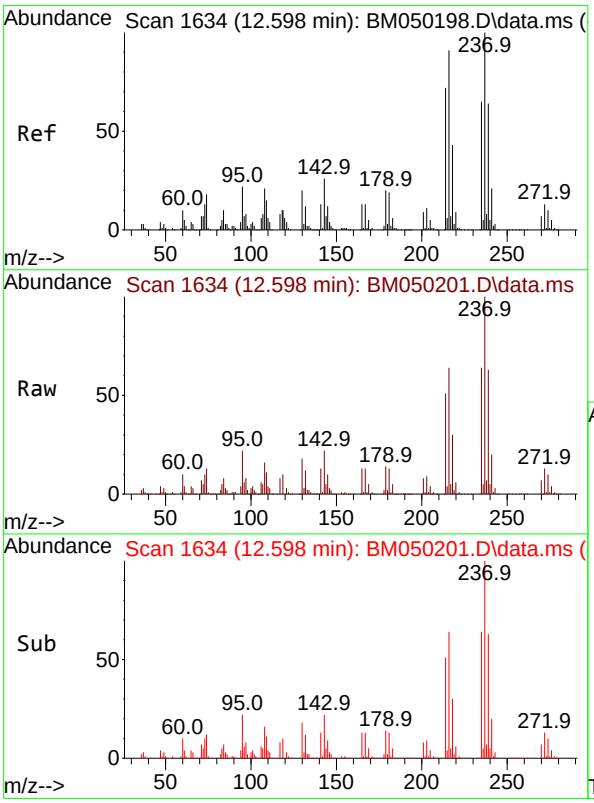
#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.455 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 1499750

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.4
179	20.7	16.6	25.0
108	19.5	15.9	23.9

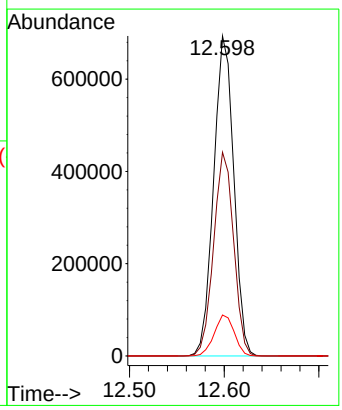


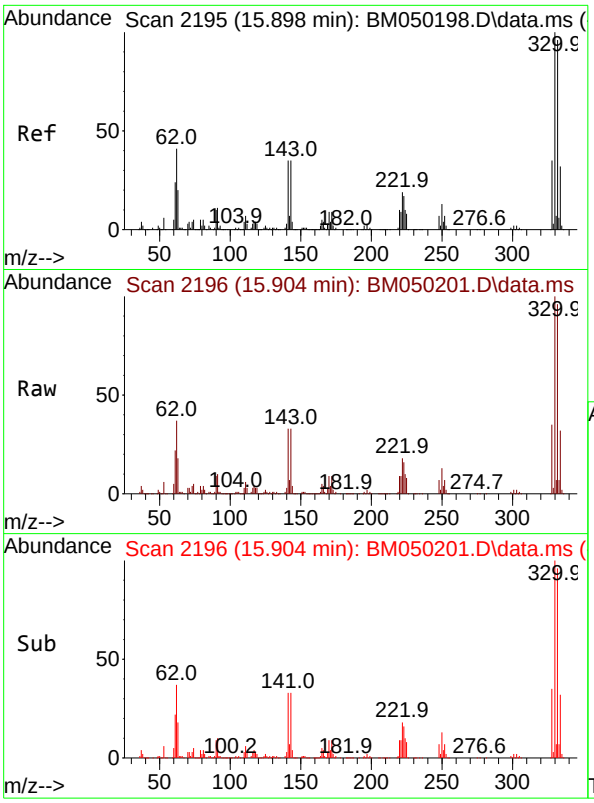


#41
Hexachlorocyclopentadiene
Concen: 89.378 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:237 Resp: 1024557

Ion	Ratio	Lower	Upper
237	100		
235	63.7	44.6	84.6
272	12.8	0.0	33.1



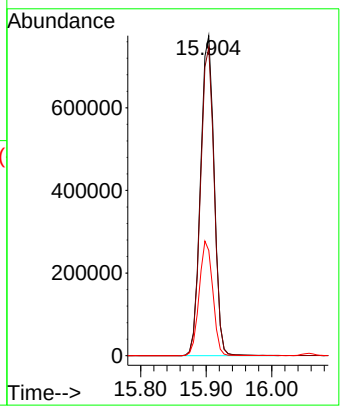


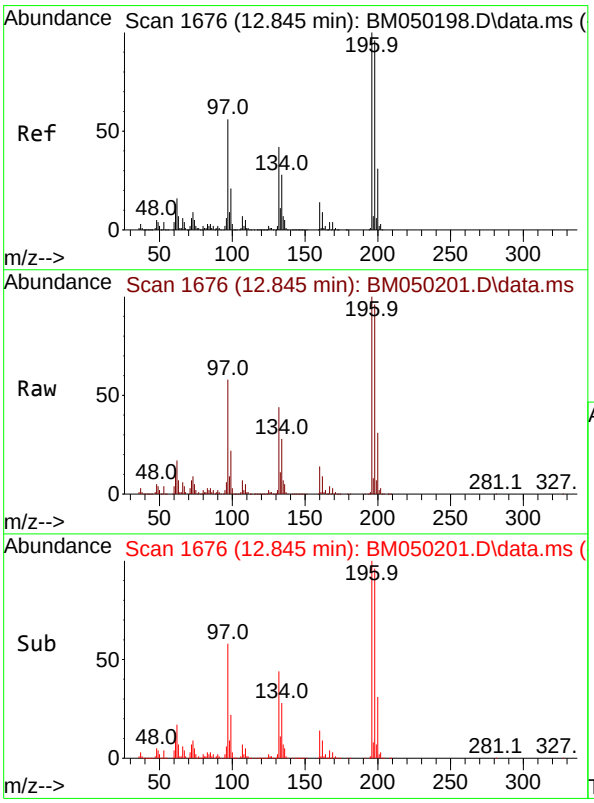
#42
2,4,6-Tribromophenol
Concen: 150.796 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 1121188

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	35.7	28.8	43.2

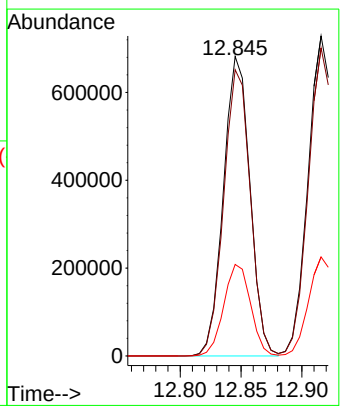


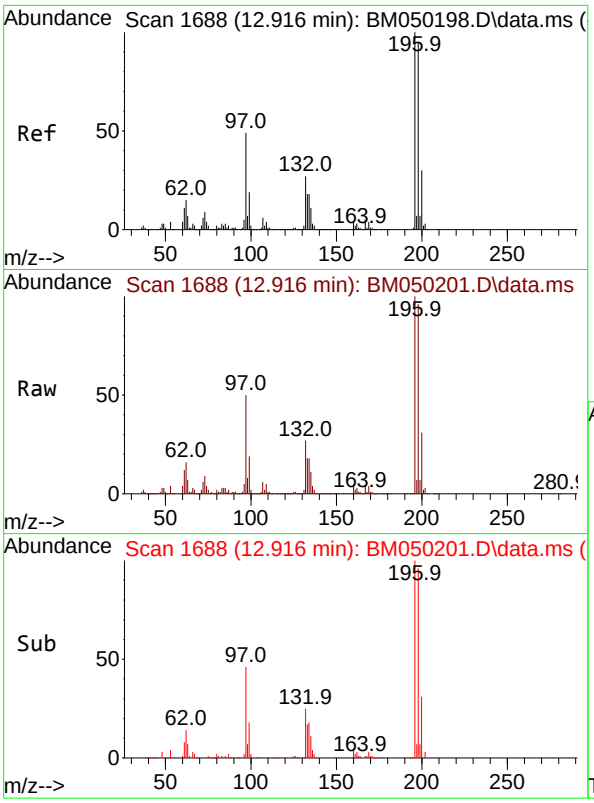


#43
2,4,6-Trichlorophenol
Concen: 83.443 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:196 Resp: 1035769

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	115.0
200	30.6	24.5	36.7



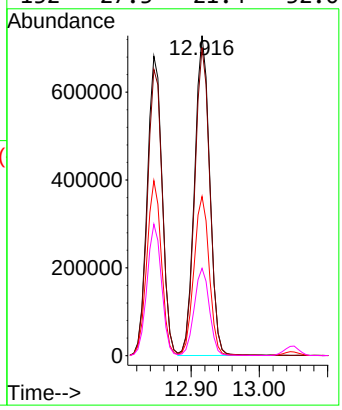


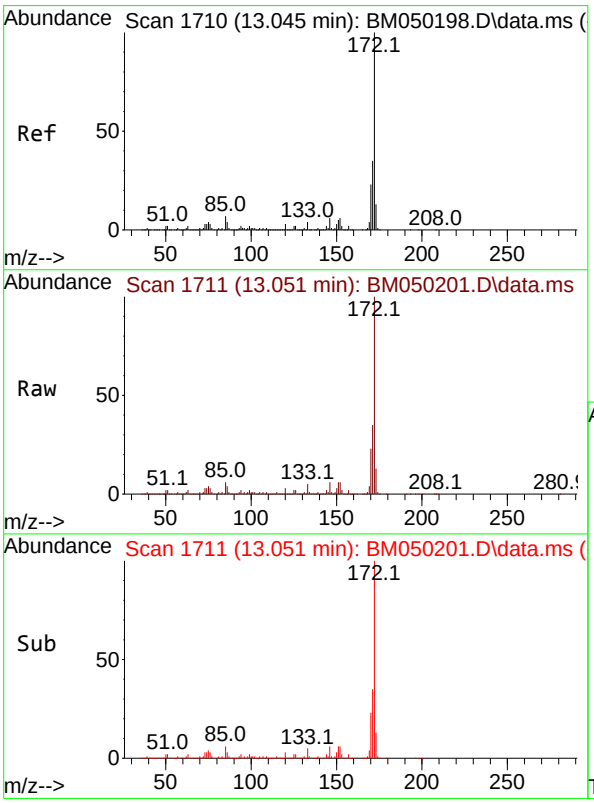
#44
2,4,5-Trichlorophenol
Concen: 82.394 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1122919

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	49.8	39.3	58.9
132	27.3	21.4	32.0

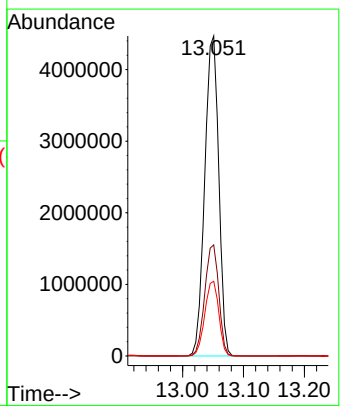


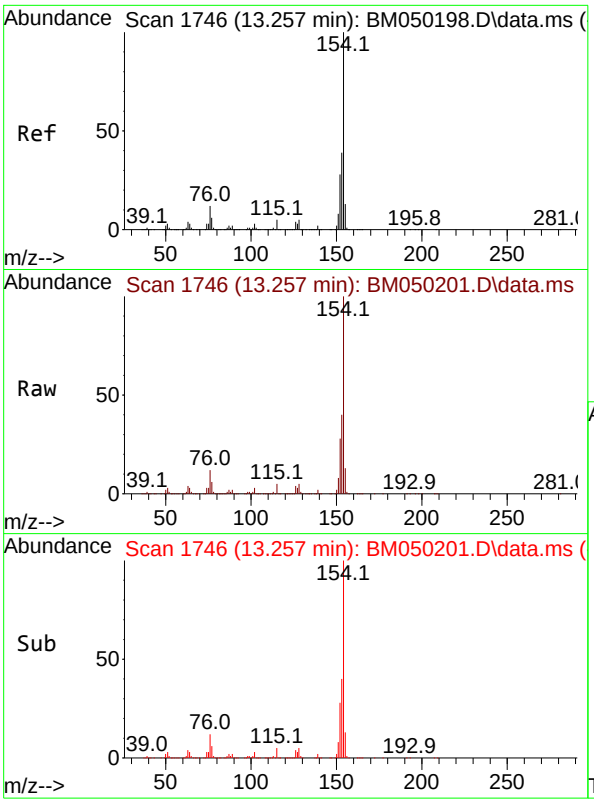


#45
2-Fluorobiphenyl
Concen: 147.690 ng
RT: 13.051 min Scan# 1711
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:172 Resp: 7130886

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.4	18.6	27.8



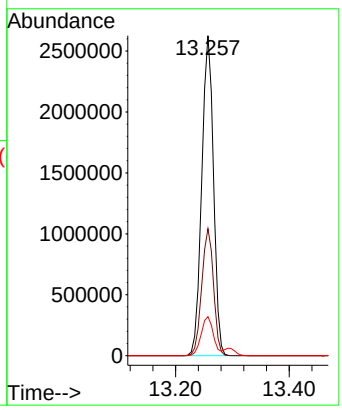


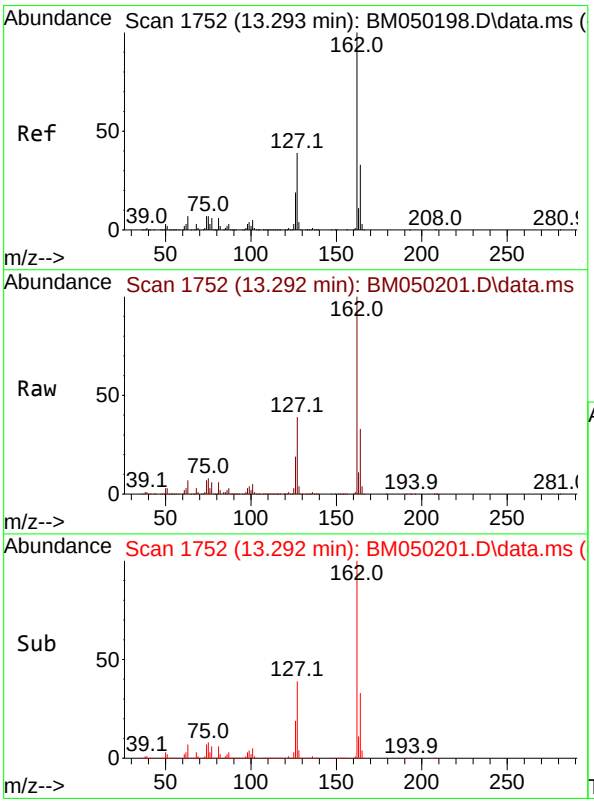
#46
1,1'-Biphenyl
Concen: 76.752 ng
RT: 13.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 3756723

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.2	59.2
76	12.2	0.0	32.0

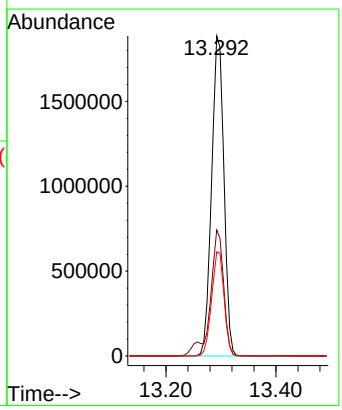


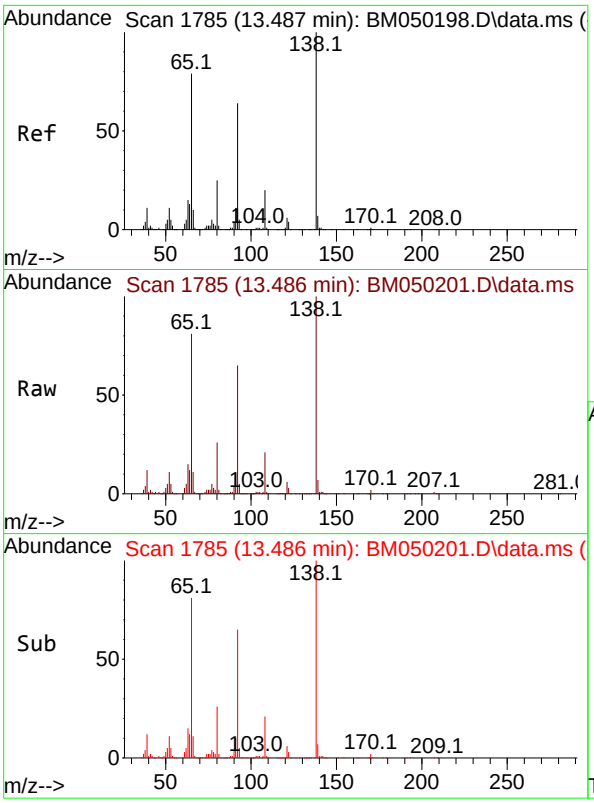


#47
2-Chloronaphthalene
Concen: 77.180 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:162 Resp: 2936913

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.1	46.7
164	32.6	26.5	39.7



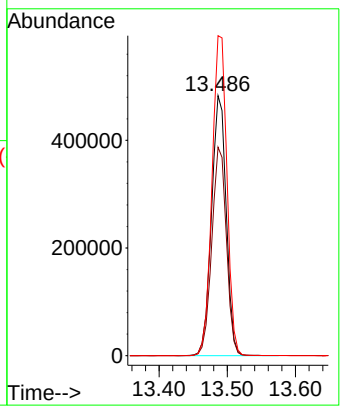


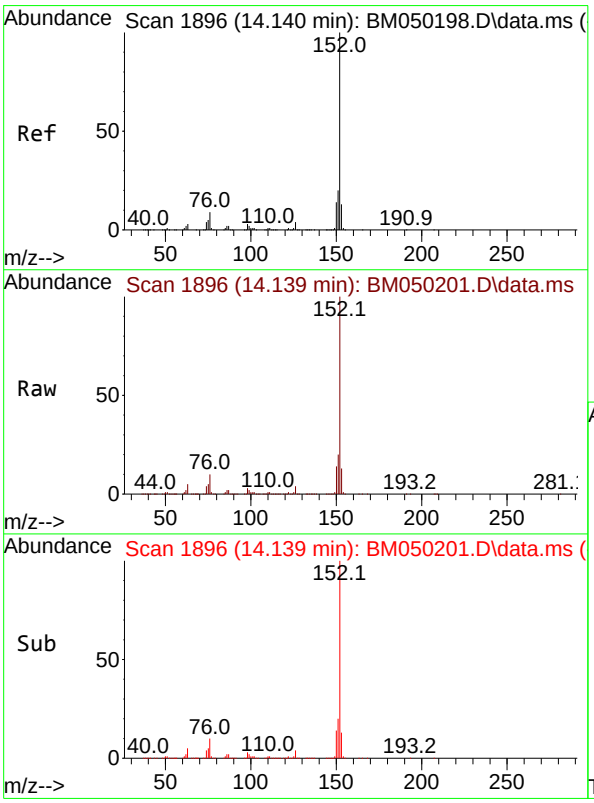
#48
2-Nitroaniline
Concen: 86.588 ng
RT: 13.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 725090

Ion	Ratio	Lower	Upper
65	100		
92	80.2	64.2	96.4
138	123.1	101.0	151.4

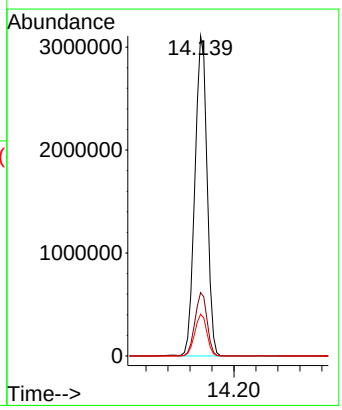


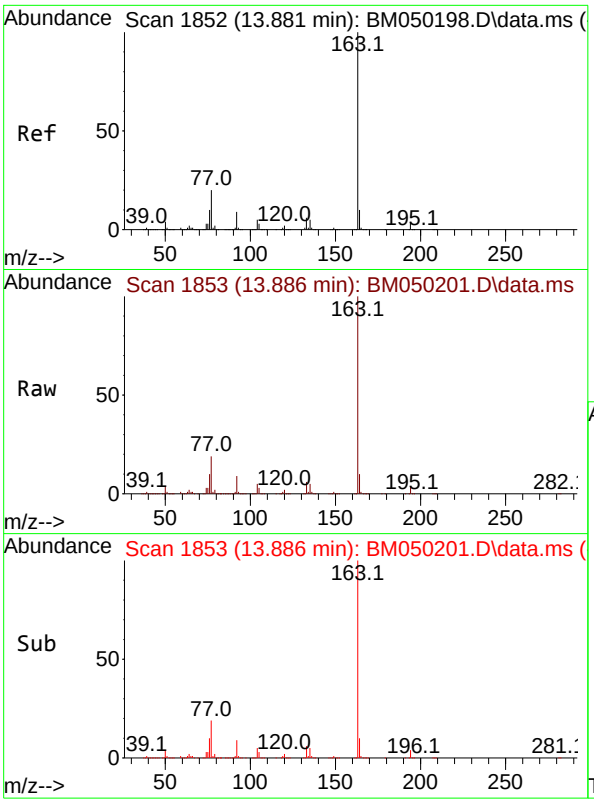


#49
Acenaphthylene
Concen: 77.481 ng
RT: 14.139 min Scan# 1896
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:152 Resp: 4768813

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.0	10.4	15.6



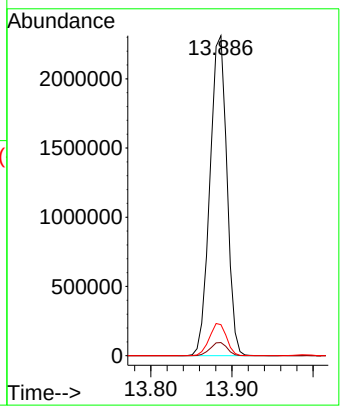


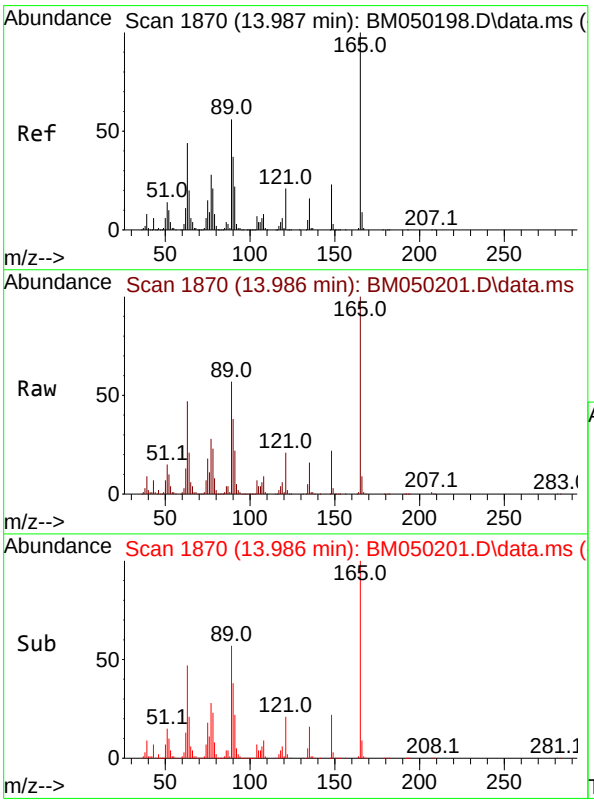
#50
Dimethylphthalate
Concen: 75.915 ng
RT: 13.886 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 3356061

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	7.9	11.9

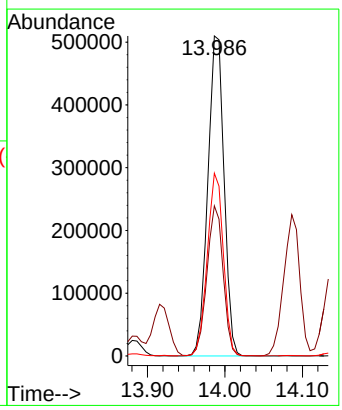


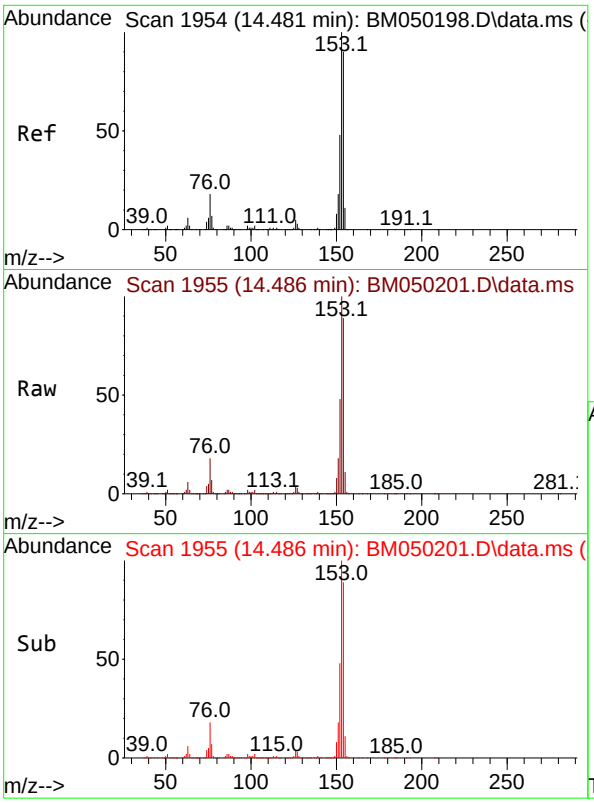


#51
2,6-Dinitrotoluene
Concen: 83.403 ng
RT: 13.986 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:165 Resp: 743566

Ion	Ratio	Lower	Upper
165	100		
63	46.9	35.8	53.6
89	57.1	44.8	67.2



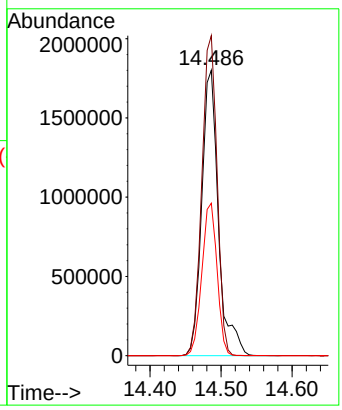


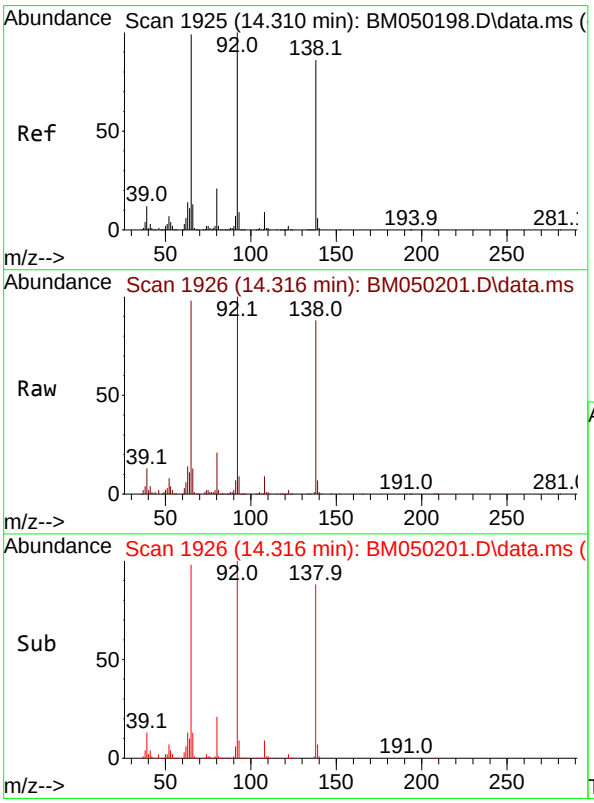
#52
Acenaphthene
Concen: 76.514 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 2945563

Ion	Ratio	Lower	Upper
154	100		
153	112.1	88.7	133.1
152	53.4	42.6	63.8

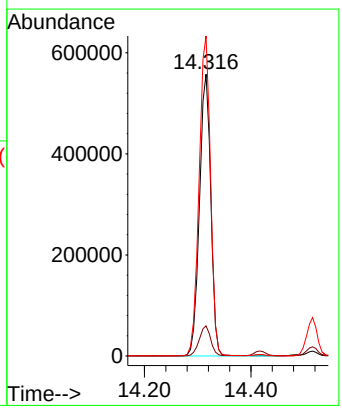


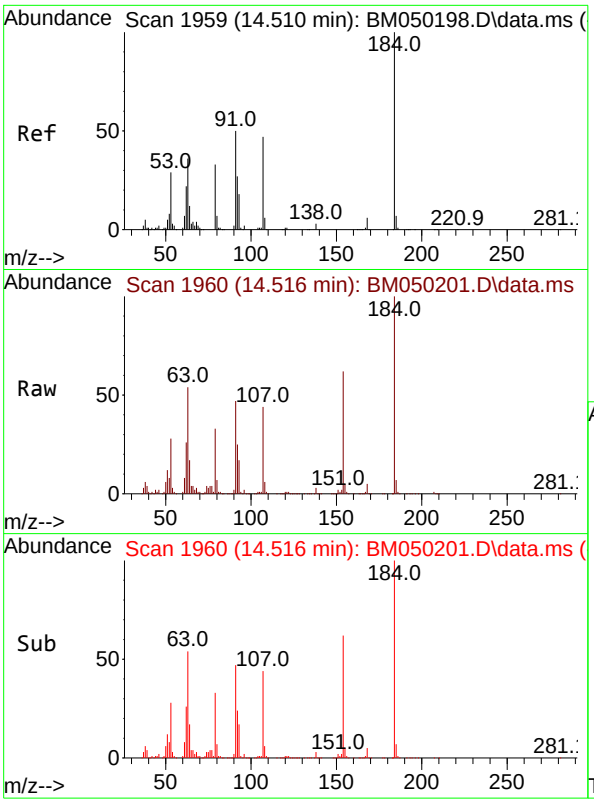


#53
3-Nitroaniline
Concen: 82.536 ng
RT: 14.316 min Scan# 1926
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:138 Resp: 820084

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.8	13.2
92	113.5	92.9	139.3



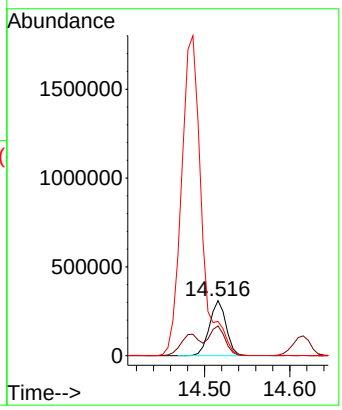


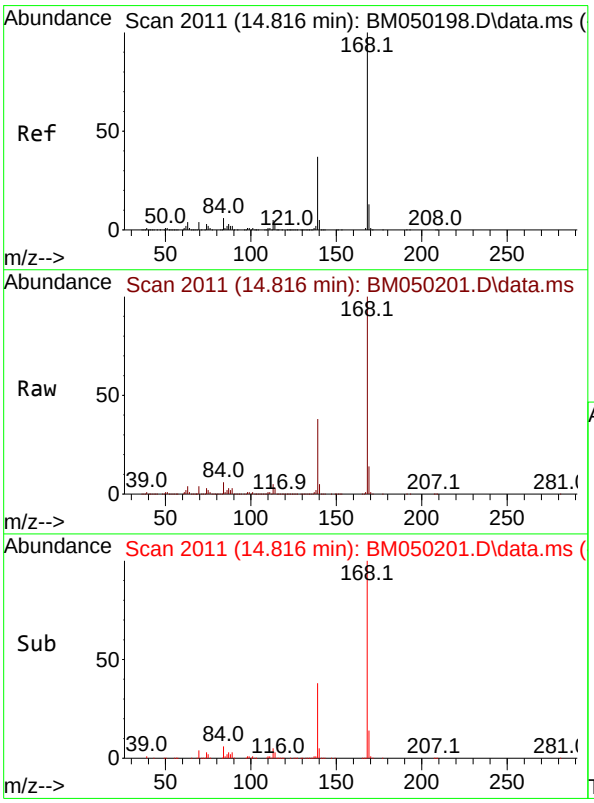
#54
2,4-Dinitrophenol
Concen: 79.818 ng
RT: 14.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 419557

Ion	Ratio	Lower	Upper
184	100		
63	54.1	45.3	67.9
154	62.3	54.3	81.5

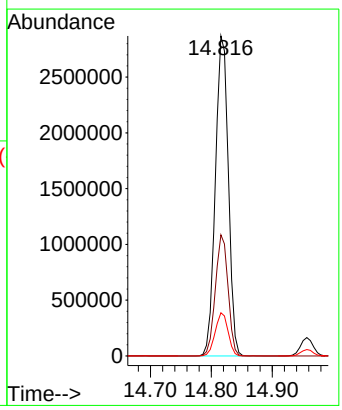


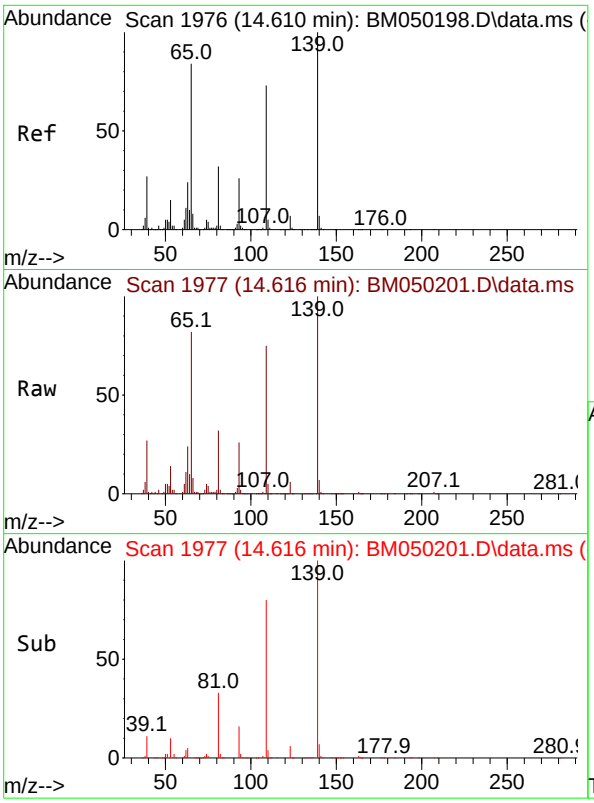


#55
Dibenzofuran
Concen: 75.092 ng
RT: 14.816 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:168 Resp: 4229270

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.9	44.9
169	13.5	10.6	16.0



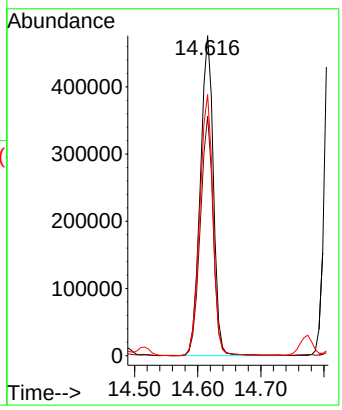


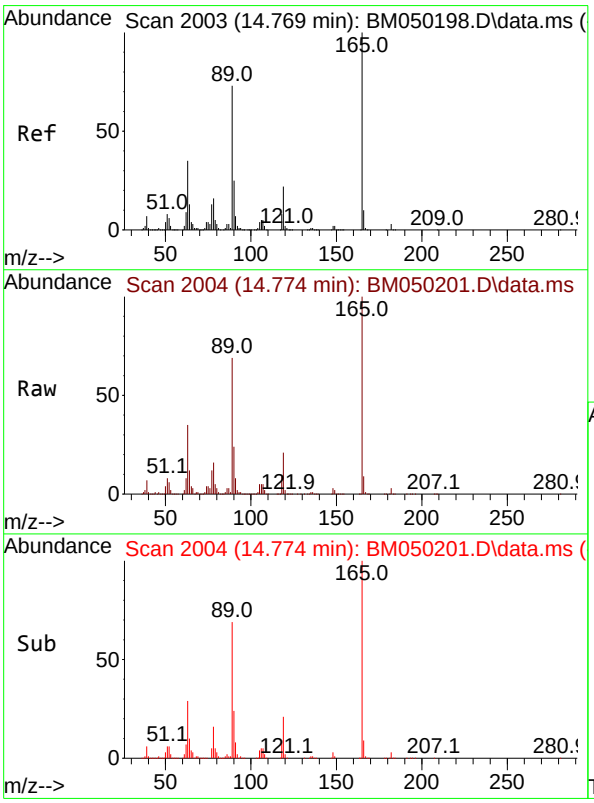
#56
4-Nitrophenol
Concen: 80.978 ng
RT: 14.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 684831

Ion	Ratio	Lower	Upper
139	100		
109	74.9	52.6	92.6
65	81.6	64.3	104.3

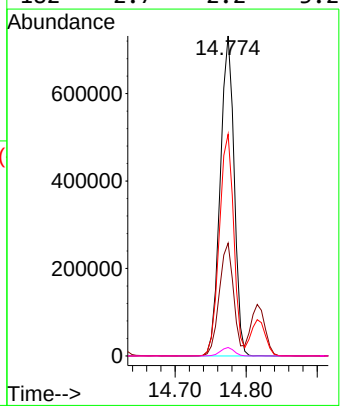


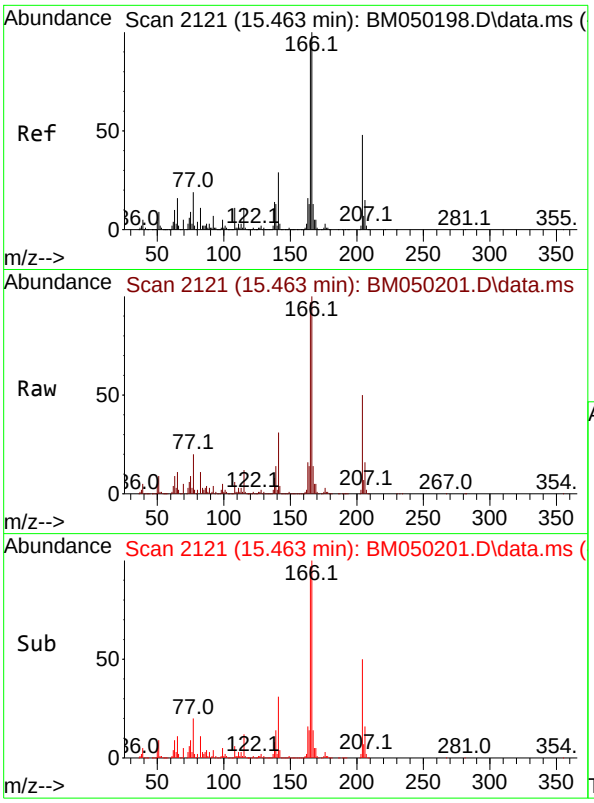


#57
2,4-Dinitrotoluene
Concen: 84.530 ng
RT: 14.774 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:165 Resp: 994115

Ion	Ratio	Lower	Upper
165	100		
63	35.3	28.4	42.6
89	69.3	58.0	87.0
182	2.7	2.2	3.2



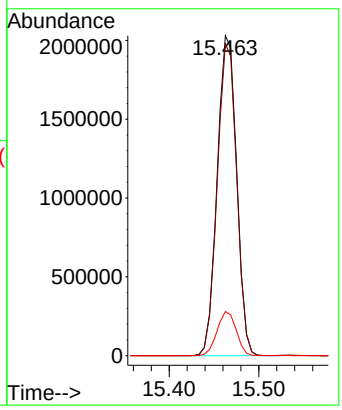


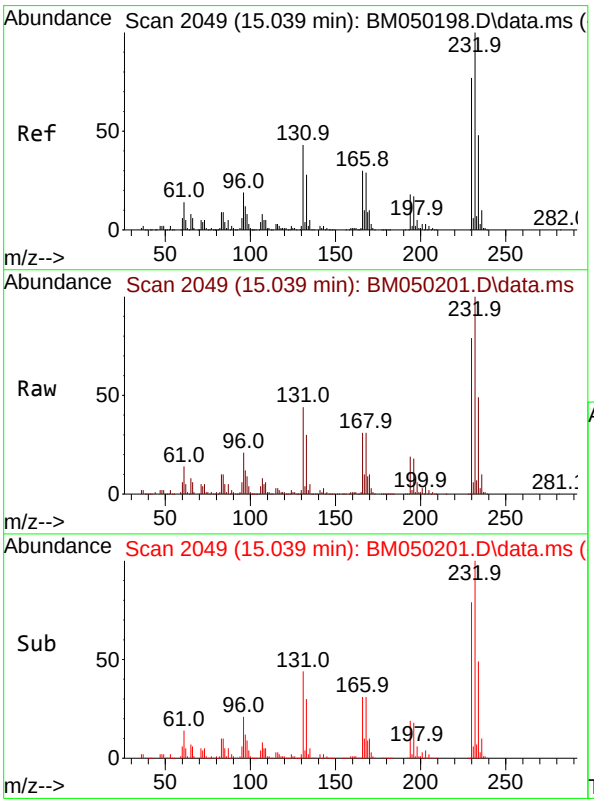
#58
Fluorene
Concen: 70.874 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 3057322

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.0	115.4
167	13.8	10.7	16.1

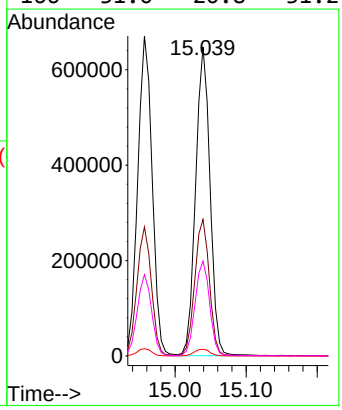


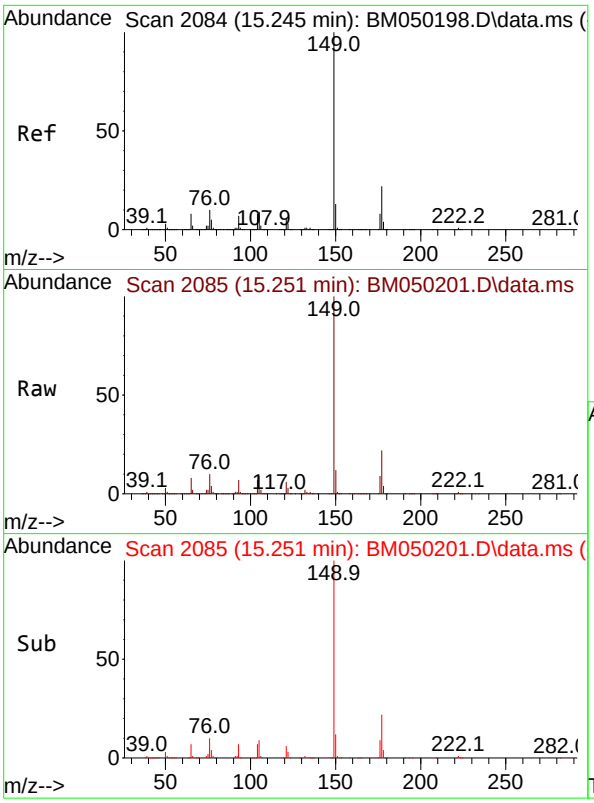


#59
2,3,4,6-Tetrachlorophenol
Concen: 77.626 ng
RT: 15.039 min Scan# 2049
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:232 Resp: 915334

Ion	Ratio	Lower	Upper
232	100		
131	44.8	32.9	49.3
130	2.4	1.8	2.8
166	31.0	20.8	31.2



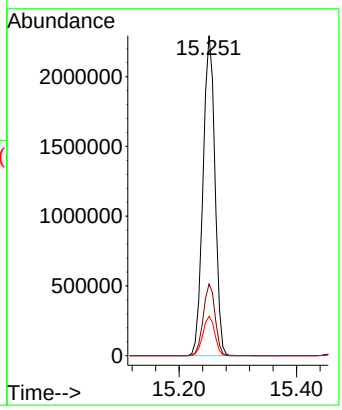


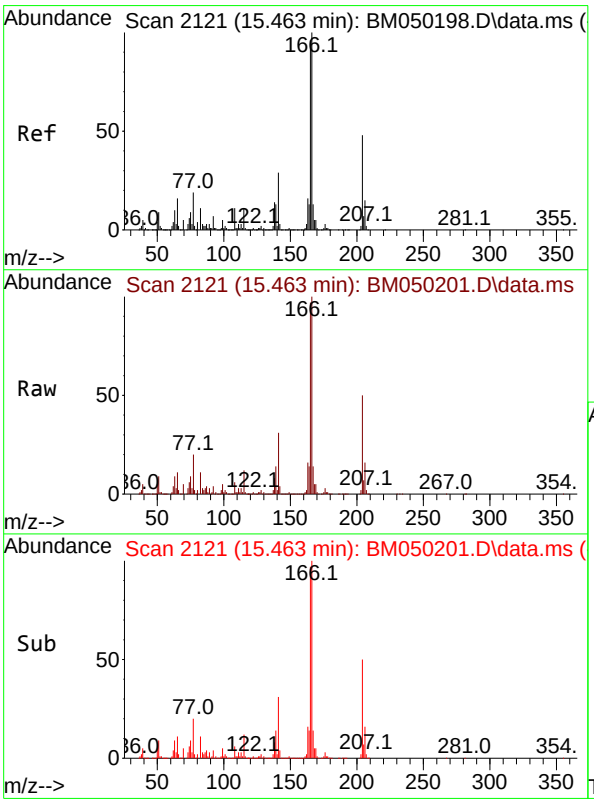
#60
Diethylphthalate
Concen: 73.786 ng
RT: 15.251 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3236518

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.2	25.8
150	12.3	10.0	15.0

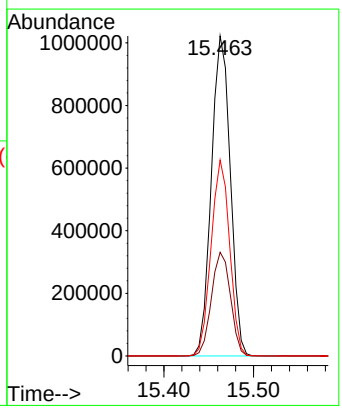


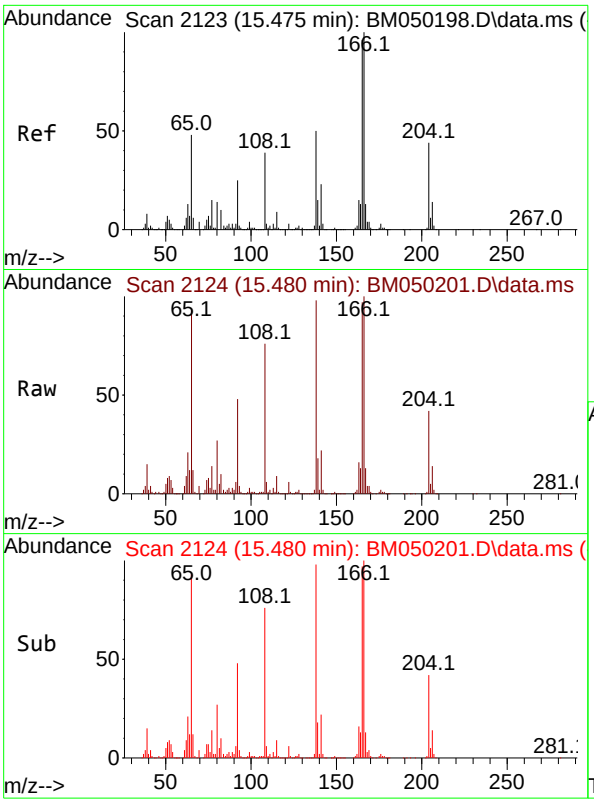


#61
4-Chlorophenyl-phenylether
Concen: 71.823 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:204 Resp: 1497395

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.4	38.0
141	61.3	47.9	71.9



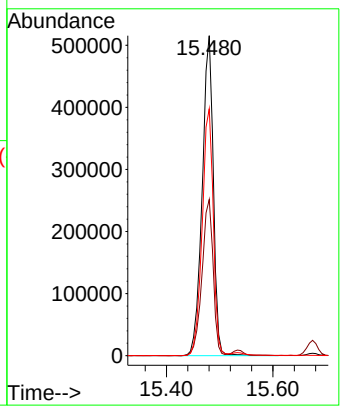


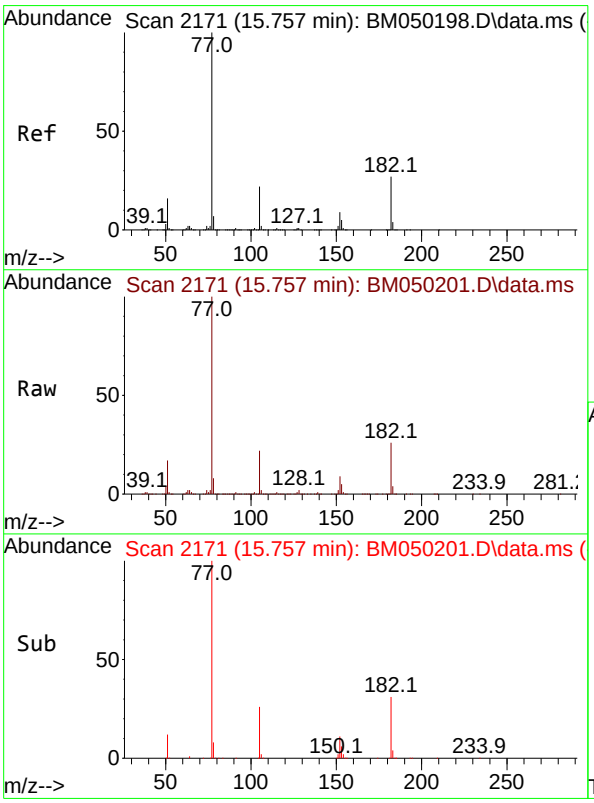
#62
4-Nitroaniline
Concen: 80.153 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 746446

Ion	Ratio	Lower	Upper
138	100		
92	48.8	28.8	68.8
108	77.1	58.1	98.1

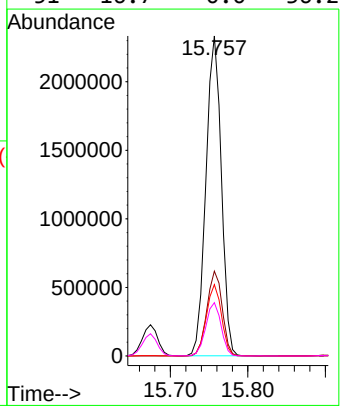


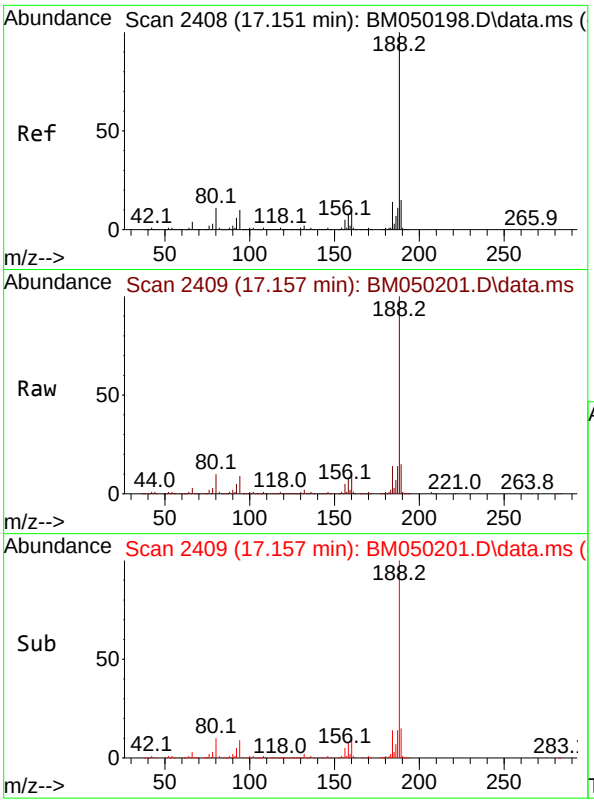


#63
Azobenzene
Concen: 73.375 ng
RT: 15.757 min Scan# 2171
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 77 Resp: 3216935

Ion	Ratio	Lower	Upper
77	100		
182	26.5	6.8	46.8
105	22.3	1.7	41.7
51	16.7	0.0	36.2



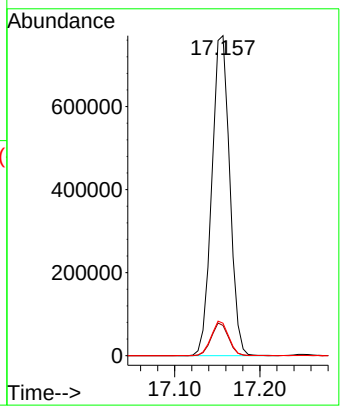


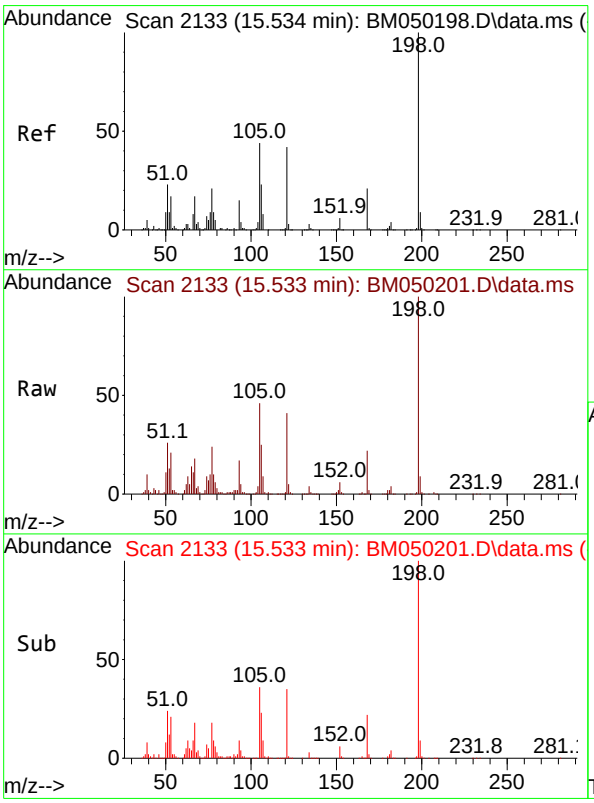
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 1121619

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.1	12.1
80	10.2	8.6	13.0

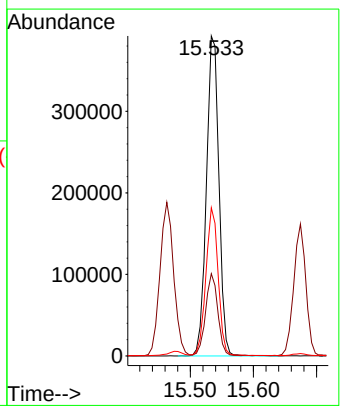


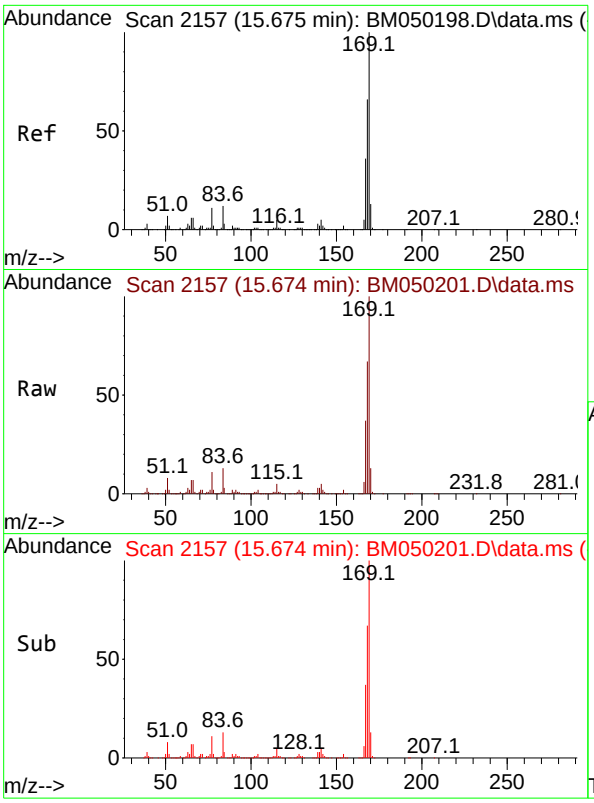


#65
4,6-Dinitro-2-methylphenol
Concen: 88.276 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.001 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:198 Resp: 540790

Ion	Ratio	Lower	Upper
198	100		
51	25.7	4.5	44.5
105	46.3	24.9	64.9



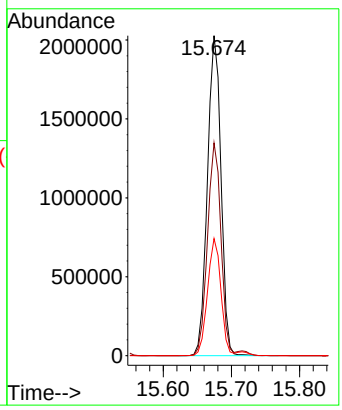


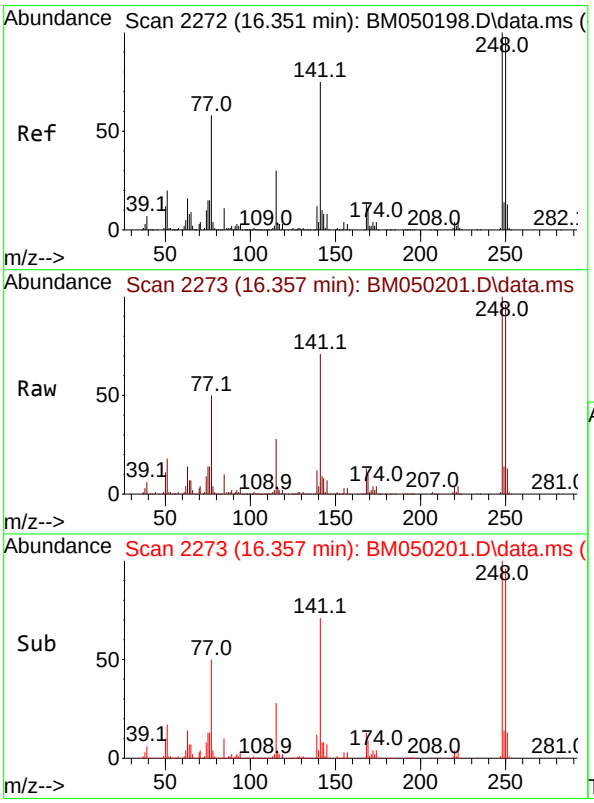
#66
n-Nitrosodiphenylamine
Concen: 79.603 ng
RT: 15.674 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 2805368

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.1	79.7
167	36.6	29.0	43.6

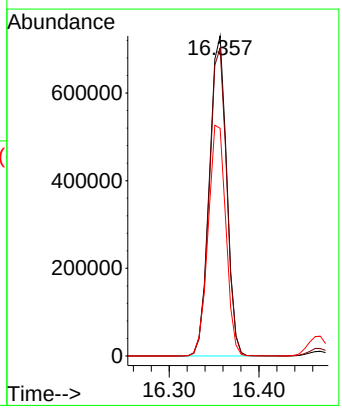


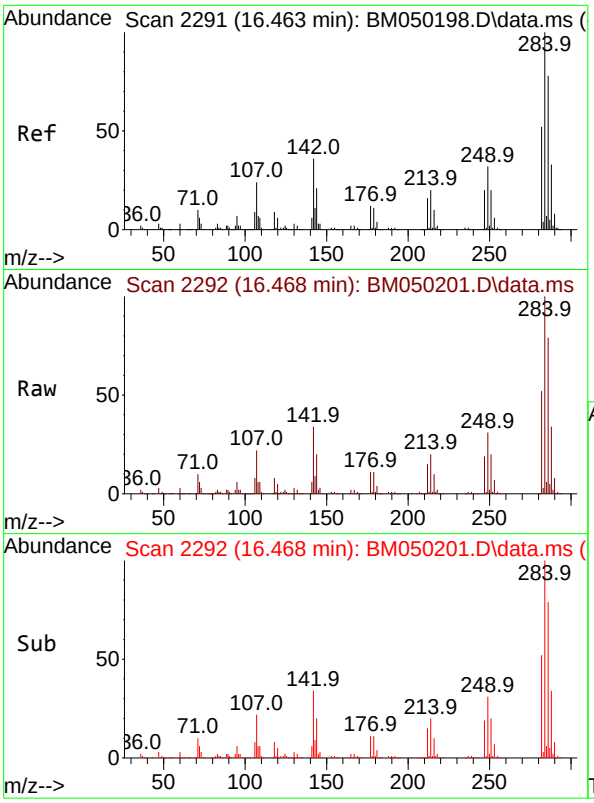


#67
4-Bromophenyl-phenylether
Concen: 81.762 ng
RT: 16.357 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:248 Resp: 977940

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.0	117.0
141	71.2	60.1	90.1



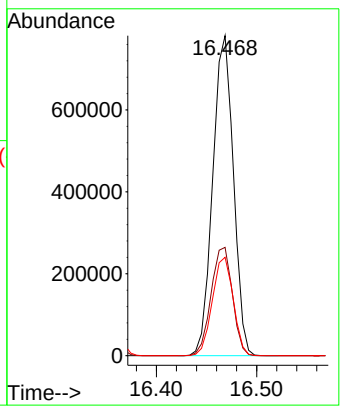


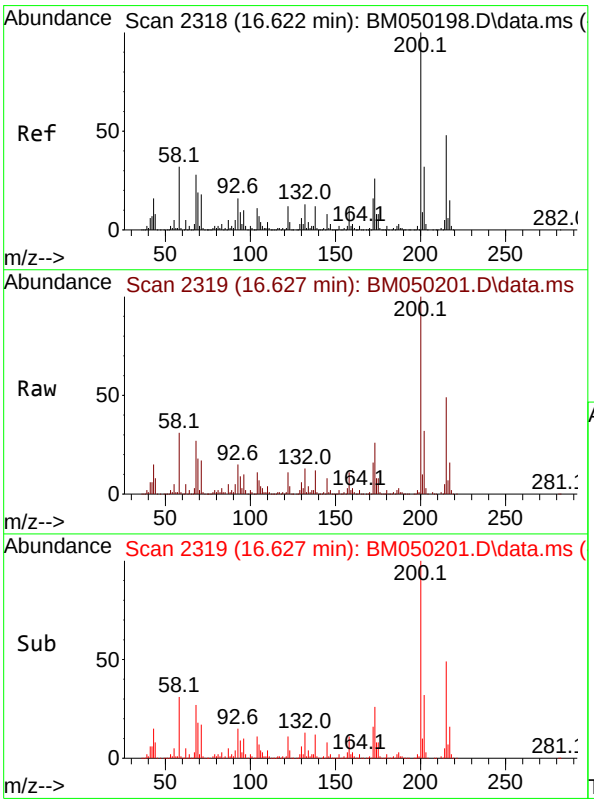
#68
Hexachlorobenzene
Concen: 79.976 ng
RT: 16.468 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 1117623

Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.8	43.2
249	30.7	25.8	38.6

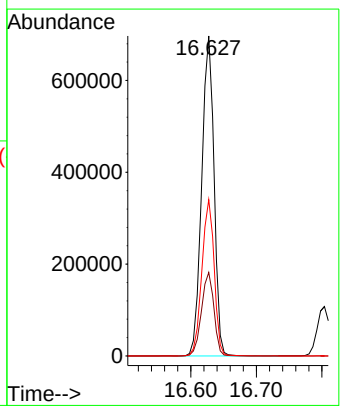


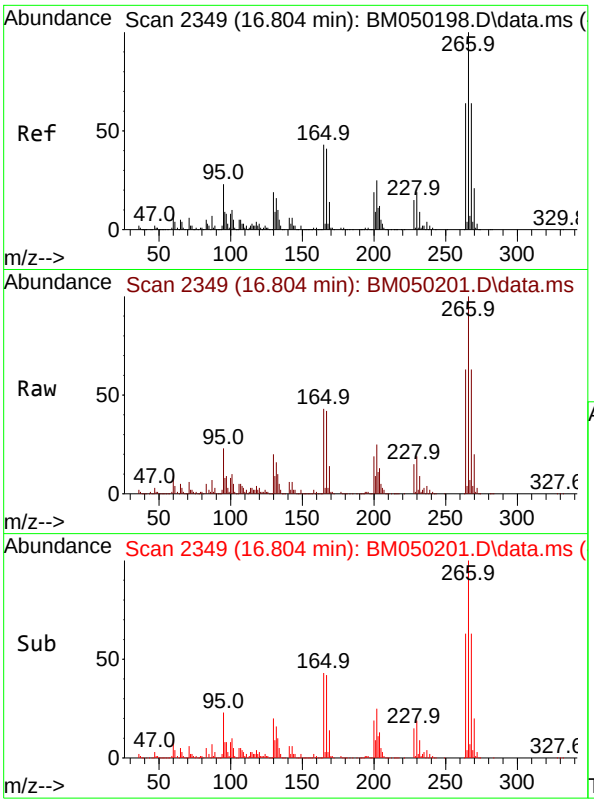


#69
Atrazine
Concen: 81.362 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:200 Resp: 913622

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.0	46.0
215	48.9	28.1	68.1



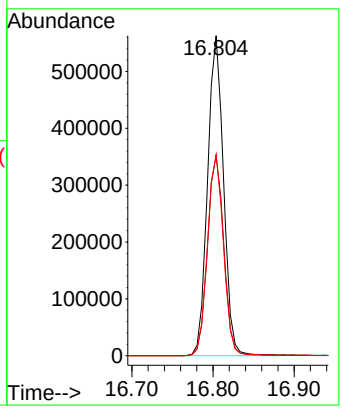


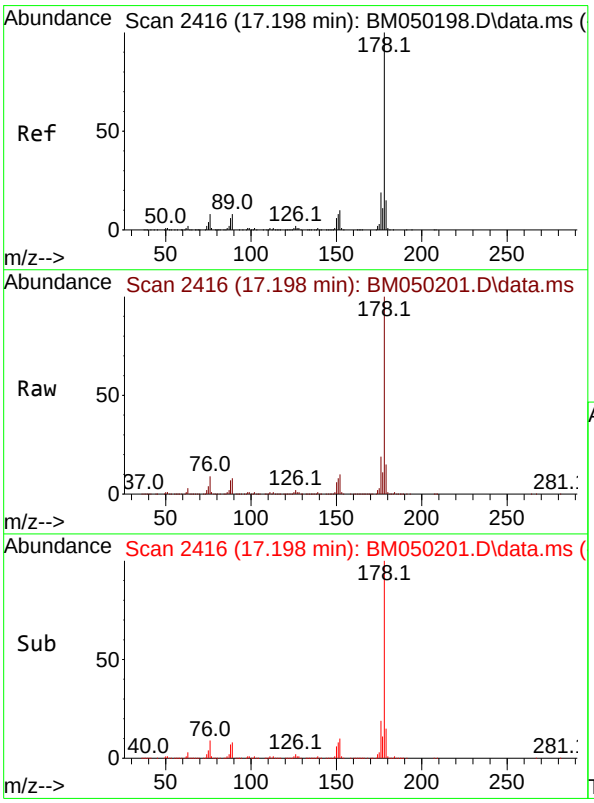
#70
Pentachlorophenol
Concen: 84.374 ng
RT: 16.804 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 766580

Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.0	76.6
264	62.7	50.8	76.2

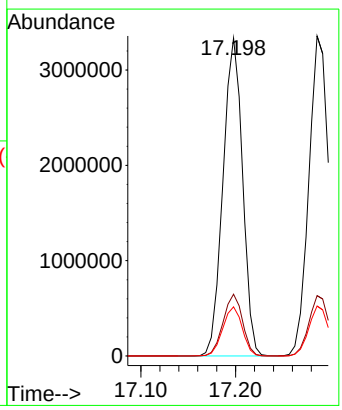


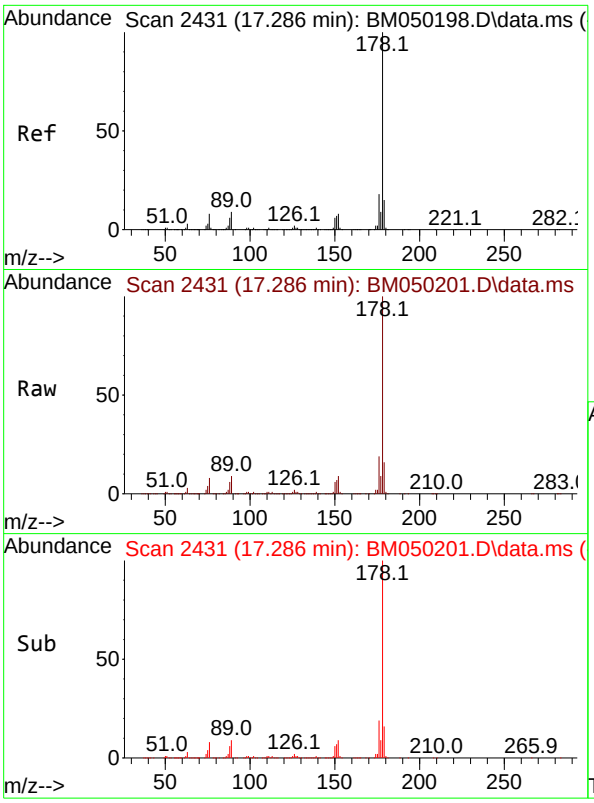


#71
Phenanthrene
Concen: 74.812 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:178 Resp: 4793533

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.5	12.3	18.5



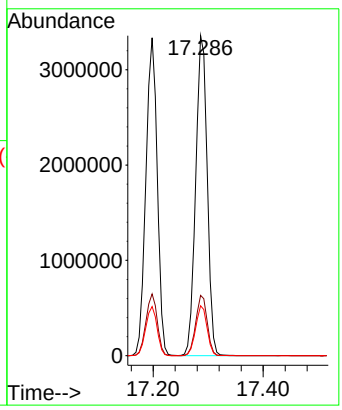


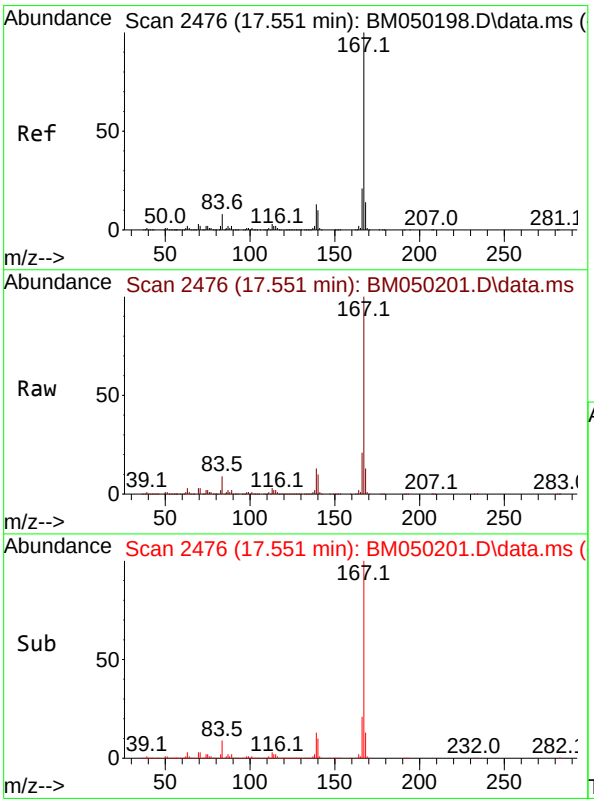
#72
Anthracene
Concen: 76.458 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 4900912

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.3	18.5

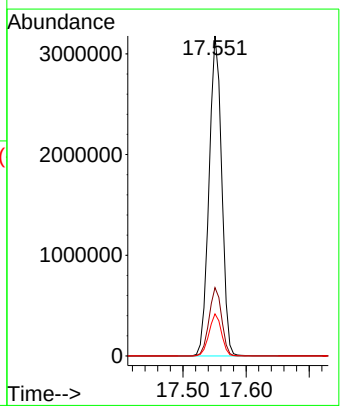


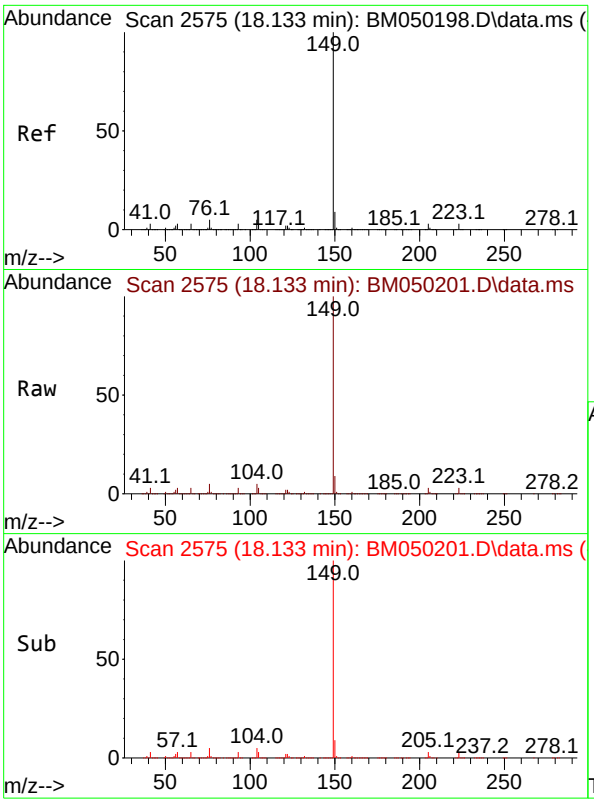


#73
Carbazole
Concen: 75.641 ng
RT: 17.551 min Scan# 2476
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:167 Resp: 4417127

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.2	10.2	15.4



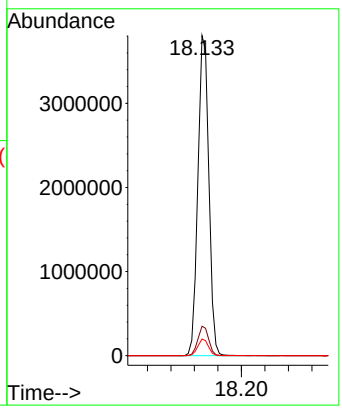


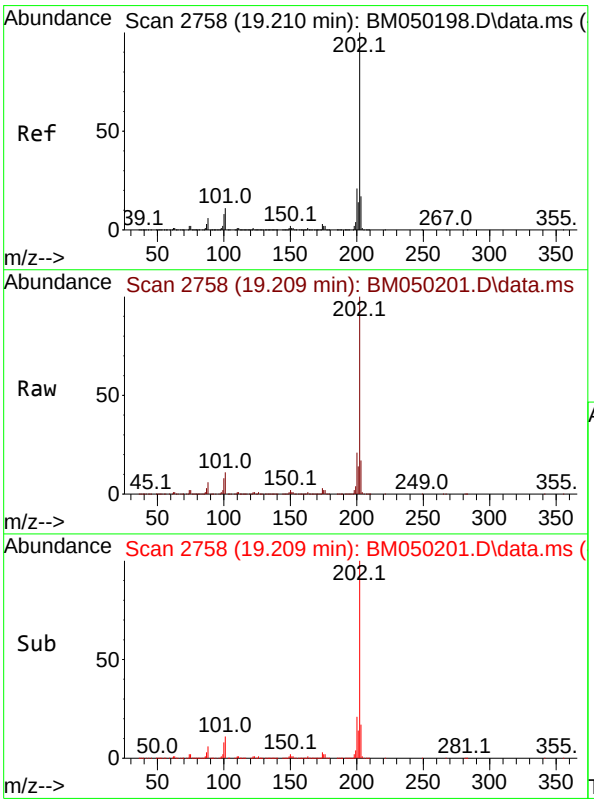
#74
Di-n-butylphthalate
Concen: 77.184 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4904225

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.0	6.0

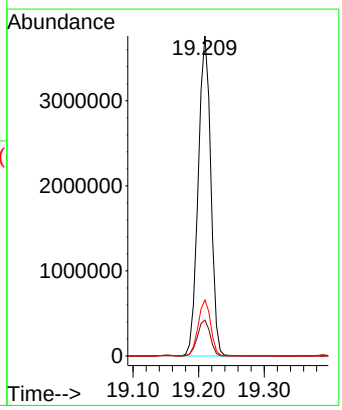


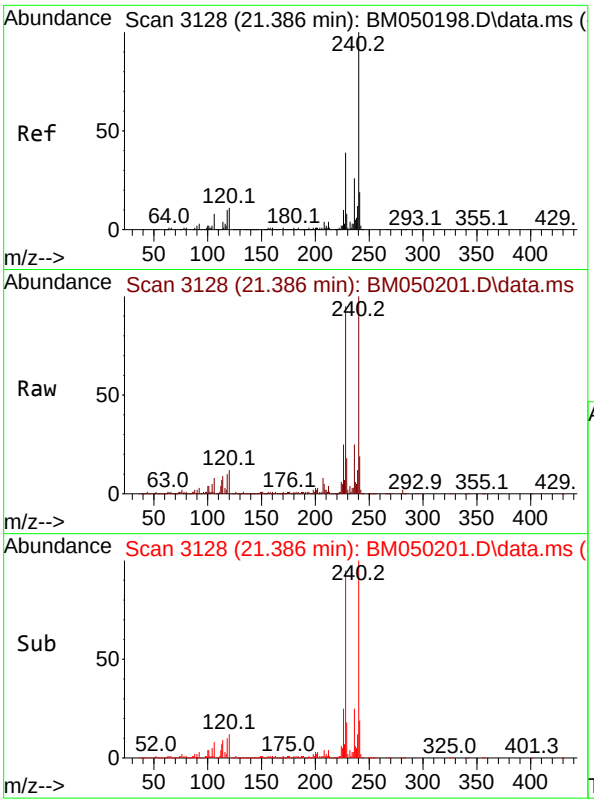


#75
Fluoranthene
Concen: 74.400 ng
RT: 19.209 min Scan# 2758
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:202 Resp: 5027290

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	17.5	0.0	37.0



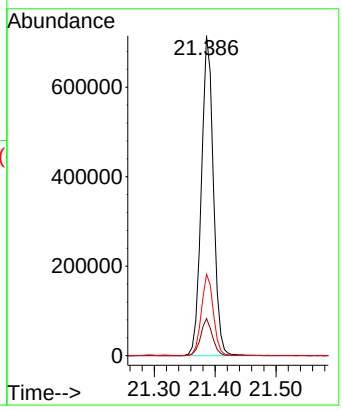


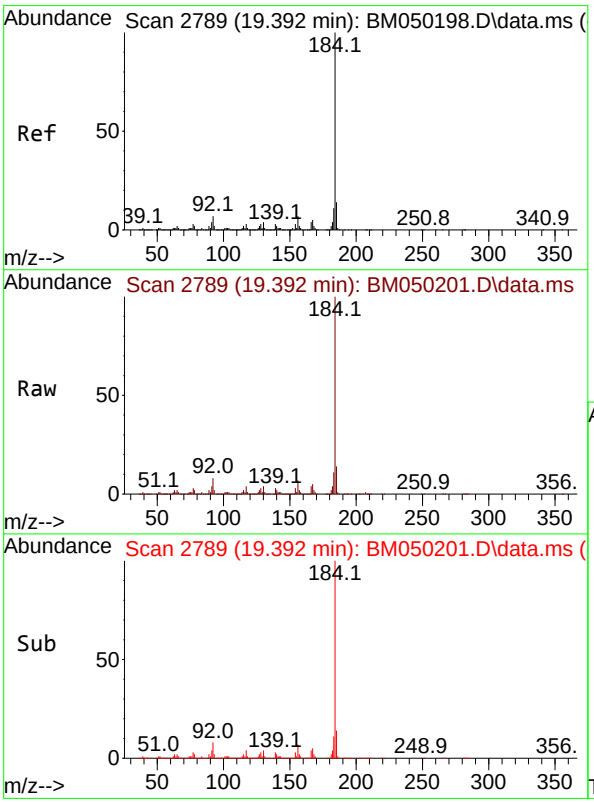
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 978835

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.4
236	25.5	20.7	31.1

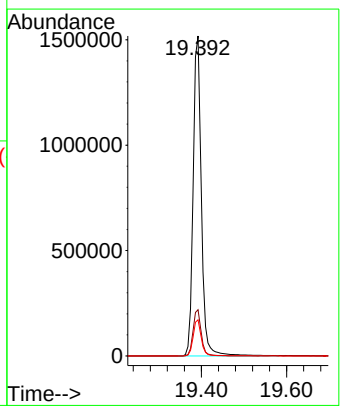


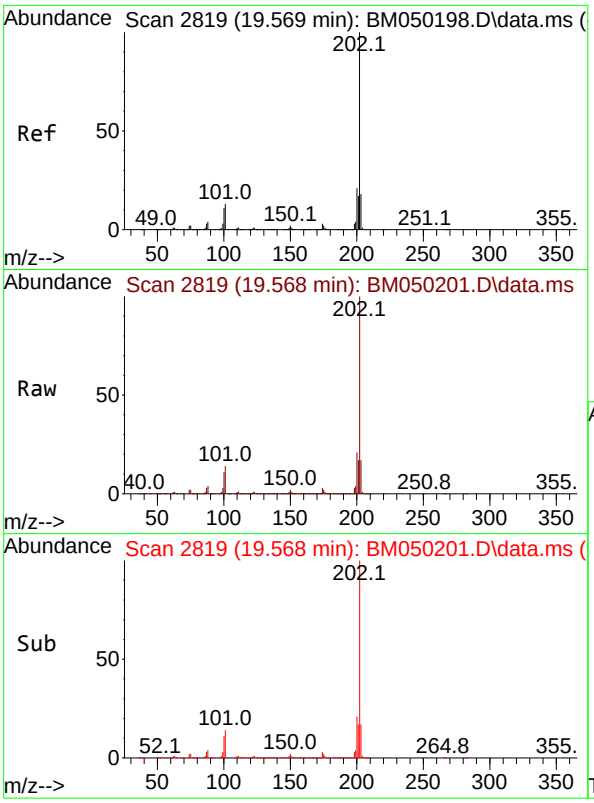


#77
Benzidine
Concen: 73.924 ng
RT: 19.392 min Scan# 2789
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:184 Resp: 2034794

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.3	9.0	13.4



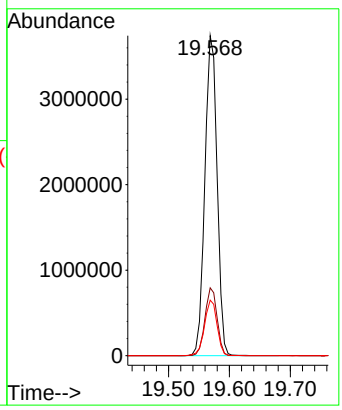


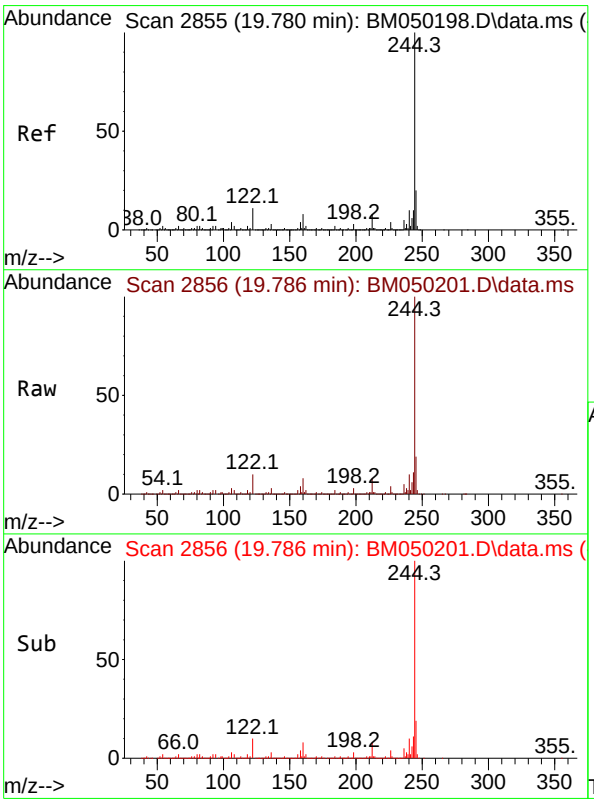
#78
Pyrene
Concen: 79.187 ng
RT: 19.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 5224283

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.1	21.1

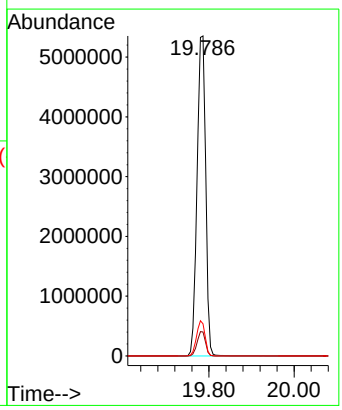


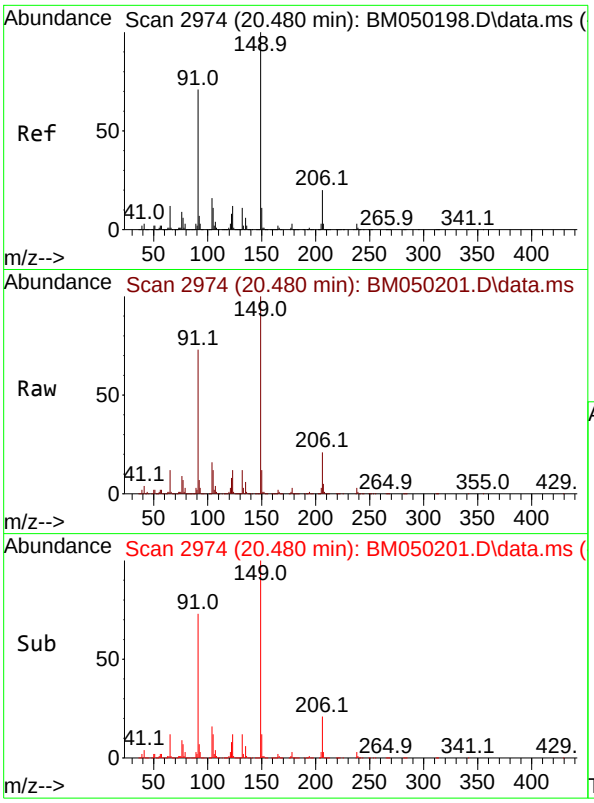


#79
Terphenyl-d14
Concen: 145.128 ng
RT: 19.786 min Scan# 2856
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:244 Resp: 7496313

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	10.0	8.6	12.8



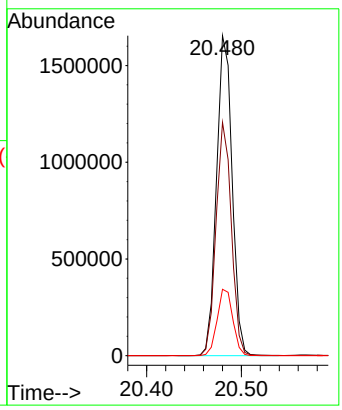


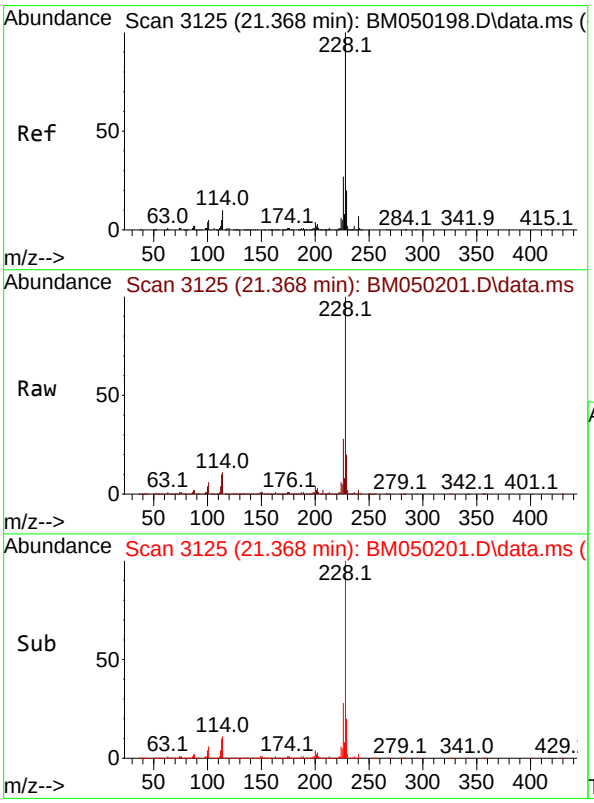
#80
Butylbenzylphthalate
Concen: 86.212 ng
RT: 20.480 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1897236

Ion	Ratio	Lower	Upper
149	100		
91	72.9	56.9	85.3
206	20.7	16.1	24.1

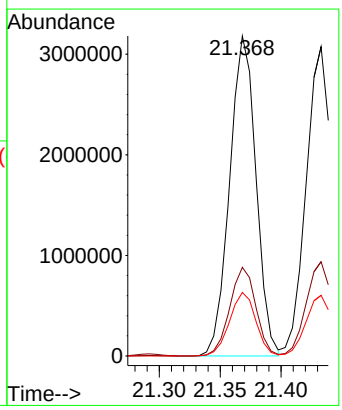


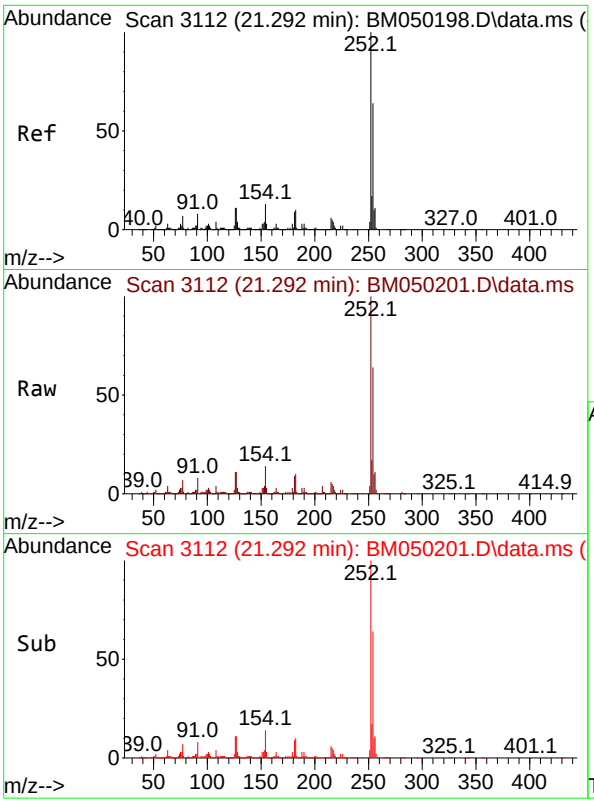


#81
Benzo(a)anthracene
Concen: 77.435 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:228 Resp: 4797580

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.7	32.5
229	19.9	15.7	23.5



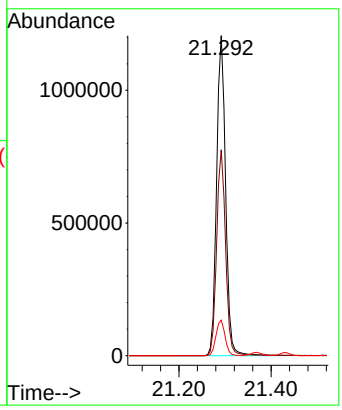


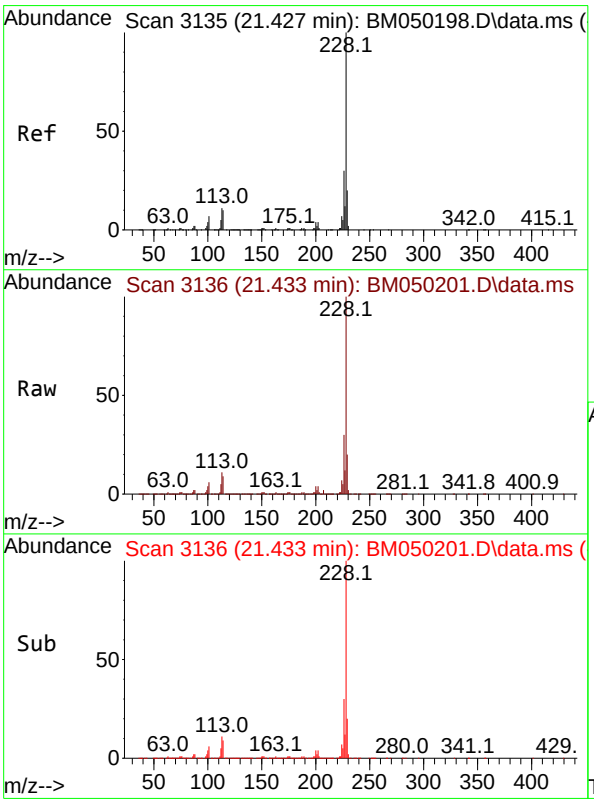
#82
3,3'-Dichlorobenzidine
Concen: 86.143 ng
RT: 21.292 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1627542

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.0
126	11.1	8.6	12.8

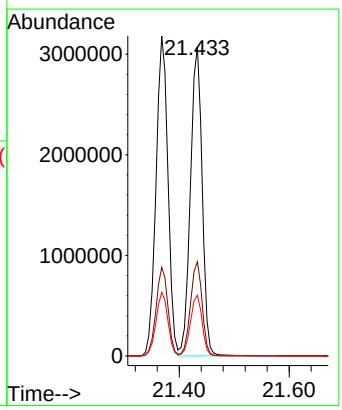


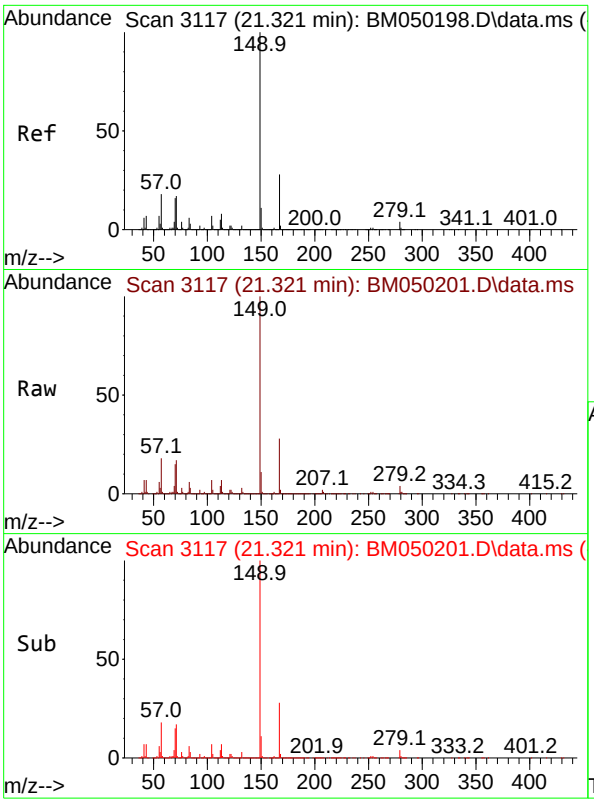


#83
Chrysene
Concen: 77.162 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:228 Resp: 4547461

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	19.6	15.8	23.8



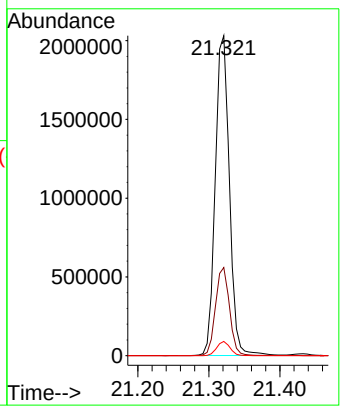


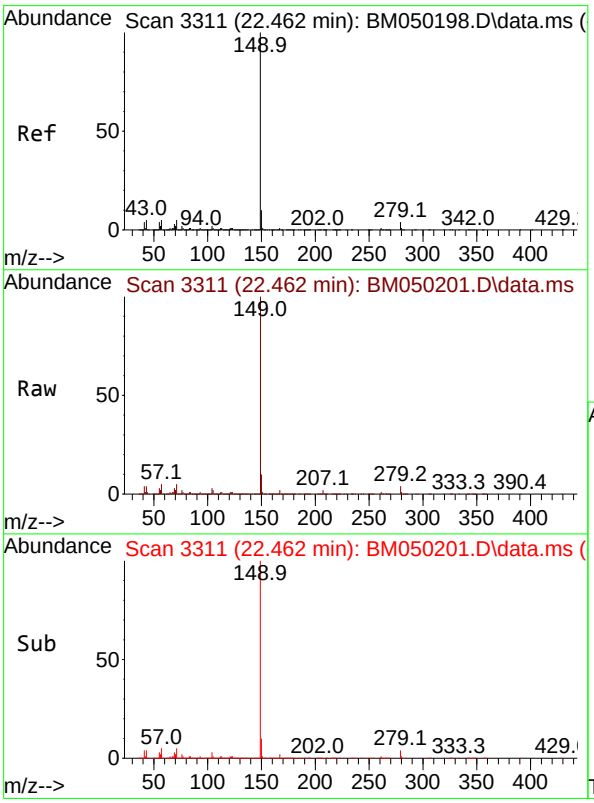
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.490 ng
RT: 21.321 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2796211

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.4	3.5	5.3

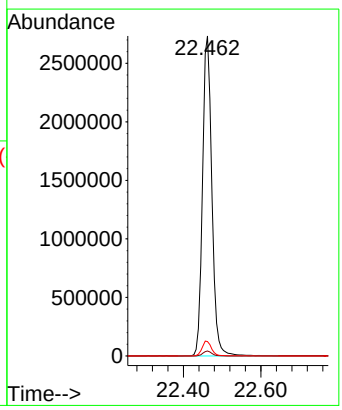


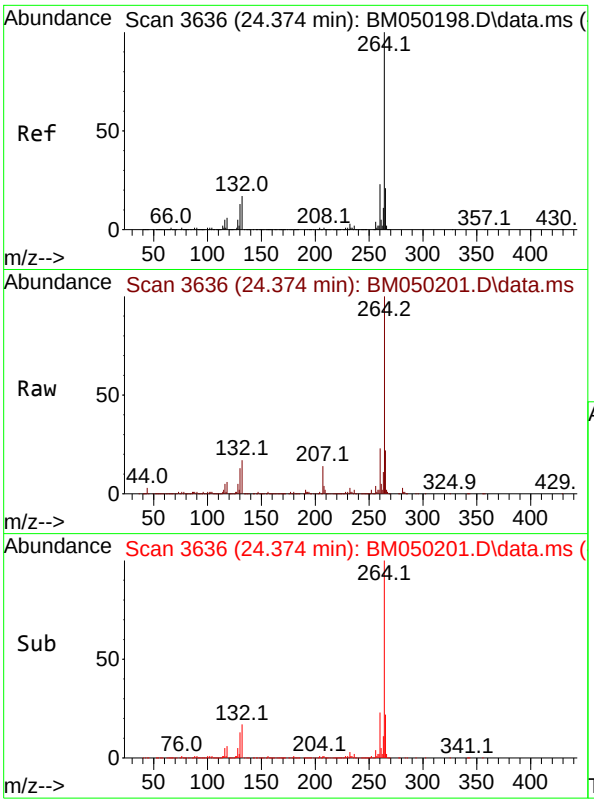


#85
Di-n-octyl phthalate
Concen: 90.971 ng
RT: 22.462 min Scan# 3311
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:149 Resp: 4575834

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	4.7	3.8	5.8



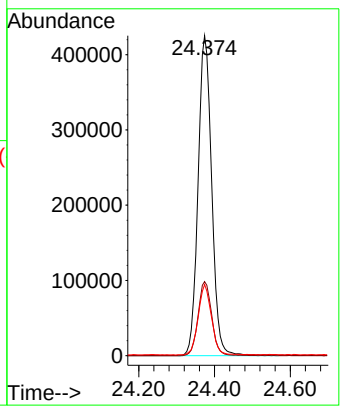


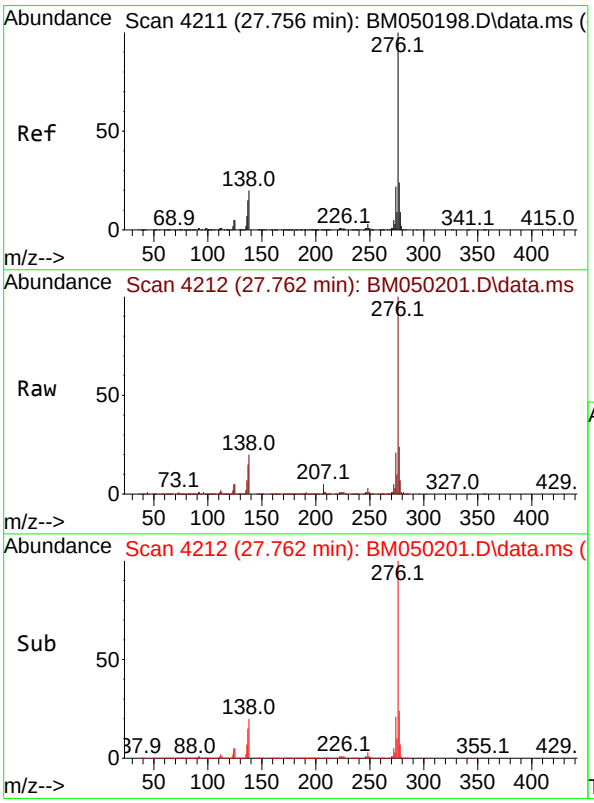
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1062363

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.3	16.8	25.2

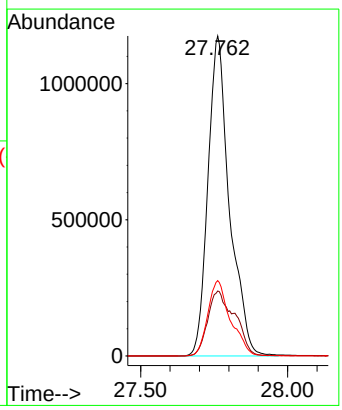


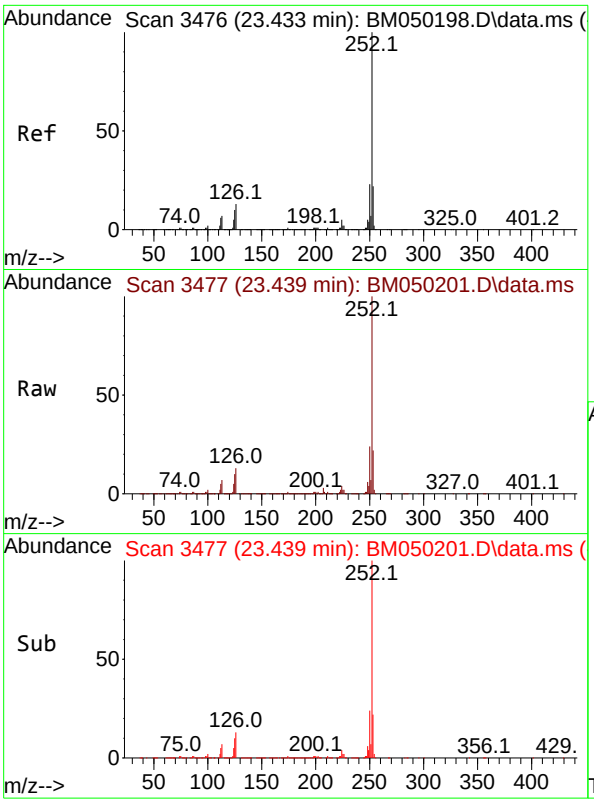


#87
Indeno(1,2,3-cd)pyrene
Concen: 87.435 ng
RT: 27.762 min Scan# 4212
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:276 Resp: 5980793

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.6	30.8
277	24.9	19.8	29.6



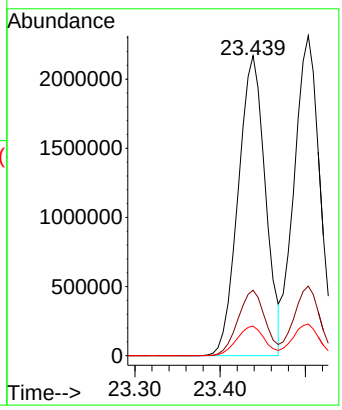


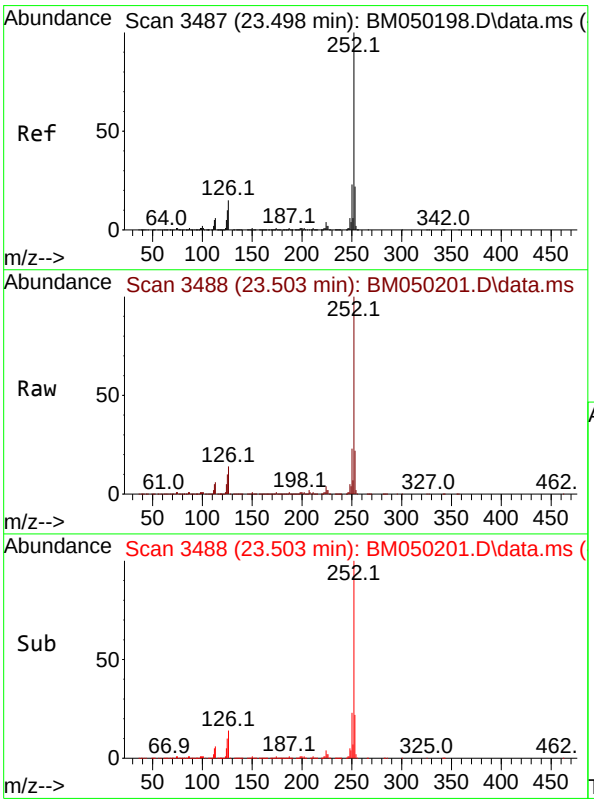
#88
Benzo(b)fluoranthene
Concen: 77.897 ng
RT: 23.439 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 4811379

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.9	8.2	12.4

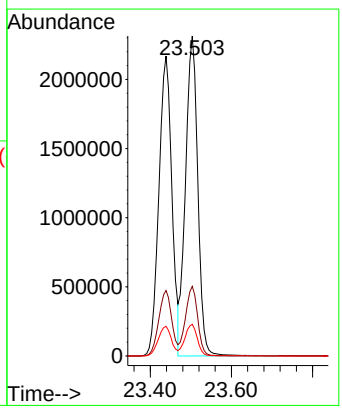


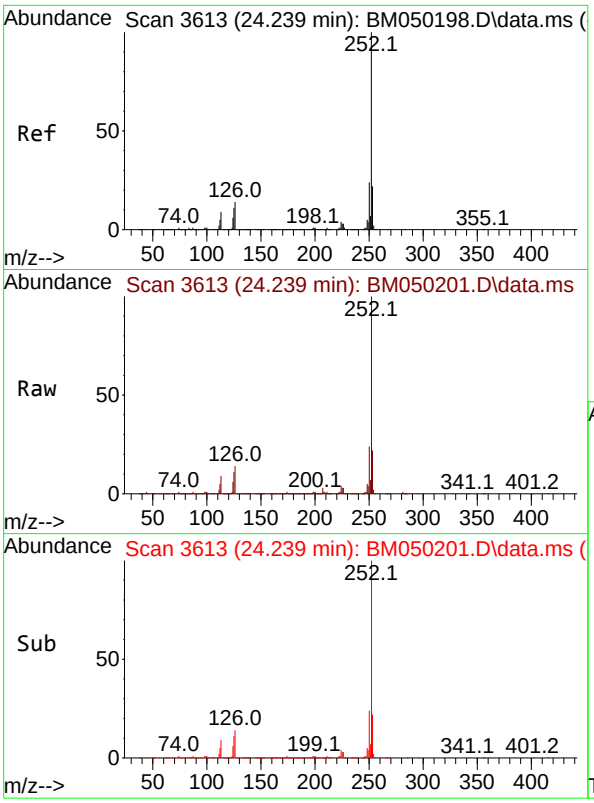


#89
Benzo(k)fluoranthene
Concen: 77.118 ng
RT: 23.503 min Scan# 3488
Delta R.T. 0.006 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:252 Resp: 4862610

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	9.9	8.2	12.4



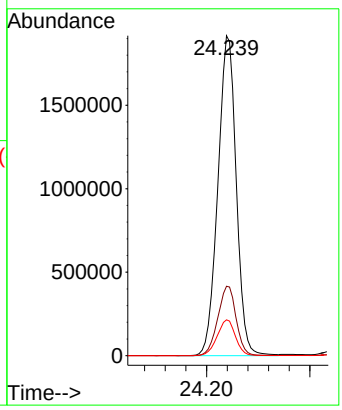


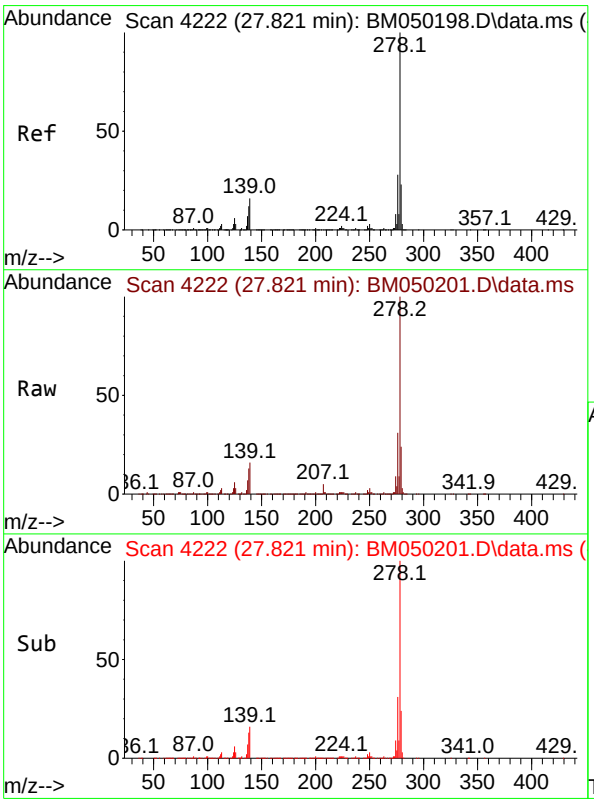
#90
Benzo(a)pyrene
Concen: 81.270 ng
RT: 24.239 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 4719647

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.2	9.0	13.4

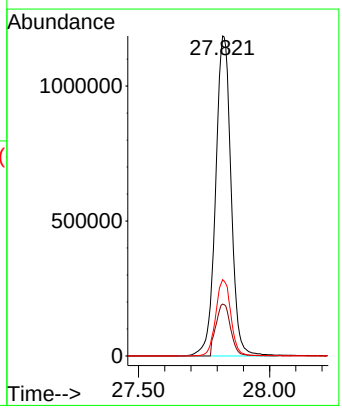


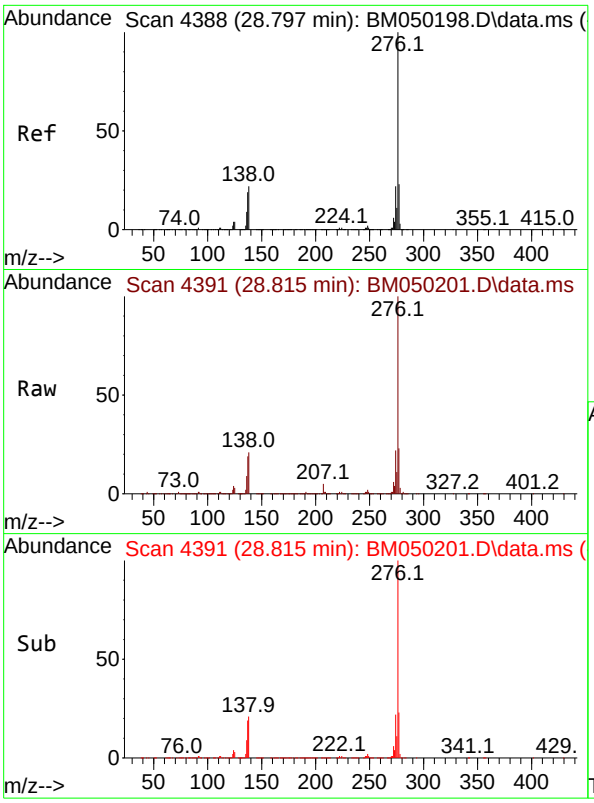


#91
Dibenzo(a,h)anthracene
Concen: 87.349 ng
RT: 27.821 min Scan# 4222
Delta R.T. -0.000 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Tgt Ion:278 Resp: 4849919

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.8	19.2
279	23.8	18.6	28.0



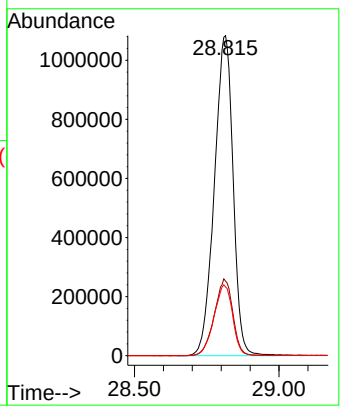


#92
Benzo(g,h,i)perylene
Concen: 87.646 ng
RT: 28.815 min Scan# 4
Delta R.T. 0.017 min
Lab File: BM050201.D
Acq: 05 Jun 2025 13:56

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 4870648

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	27.8
138	21.5	17.8	26.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations APPROVED

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

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	318987	20.000	ng	0.00
21) Naphthalene-d8	10.581	136	1345797	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	824451	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1474581	20.000	ng	0.00
76) Chrysene-d12	21.386	240	1199833	20.000	ng	0.00
86) Perylene-d12	24.374	264	1188981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1363817	71.321	ng	0.00
7) Phenol-d6	6.951	99	1828950	72.656	ng	0.00
23) Nitrobenzene-d5	8.940	82	1707276	65.977	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	671004	71.554	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3838077	63.026	ng	0.00
79) Terphenyl-d14	19.780	244	4364574	68.934	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	285619	34.075	ng	98
3) Pyridine	3.681	79	807832	37.216	ng	99
4) n-Nitrosodimethylamine	3.593	42	171804	38.276	ng	95
6) Aniline	7.116	93	1270681	38.184	ng	99
8) 2-Chlorophenol	7.351	128	812307	38.620	ng	99
9) Benzaldehyde	6.928	77	662318m	41.383	ng	
10) Phenol	6.975	94	1020433	38.313	ng	99
11) bis(2-Chloroethyl)ether	7.210	93	819158	38.237	ng	99
12) 1,3-Dichlorobenzene	7.681	146	890155	37.856	ng	99
13) 1,4-Dichlorobenzene	7.822	146	914542	37.381	ng	99
14) 1,2-Dichlorobenzene	8.140	146	881362	37.789	ng	99
15) Benzyl Alcohol	8.022	79	702528	39.129	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	556648	37.404	ng	98
17) 2-Methylphenol	8.222	107	686759	39.079	ng	99
18) Hexachloroethane	8.869	117	336898	38.024	ng	100
19) n-Nitroso-di-n-propyla...	8.598	70	613129	39.802	ng	99
20) 3+4-Methylphenols	8.551	107	925708	39.372	ng	100
22) Acetophenone	8.604	105	1264911	37.622	ng	99
24) Nitrobenzene	8.981	77	897378	38.131	ng	99
25) Isophorone	9.510	82	1719407	38.498	ng	99
26) 2-Nitrophenol	9.687	139	415162	40.867	ng	99
27) 2,4-Dimethylphenol	9.751	122	791547	37.886	ng	99
28) bis(2-Chloroethoxy)met...	9.992	93	1110519	38.061	ng	99
29) 2,4-Dichlorophenol	10.222	162	753084	38.988	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	807629	37.573	ng	100
31) Naphthalene	10.628	128	2548917	36.633	ng	100
32) Benzoic acid	9.875	122	519441	39.598	ng	98
33) 4-Chloroaniline	10.728	127	1127809	38.018	ng	99
34) Hexachlorobutadiene	10.922	225	479592	37.511	ng	99
35) Caprolactam	11.498	113	237644	38.807	ng	99
36) 4-Chloro-3-methylphenol	11.851	107	794929	38.568	ng	100
37) 2-Methylnaphthalene	12.239	142	1594515	37.986	ng	98
38) 1-Methylnaphthalene	12.457	142	1680613	37.722	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	900972	37.845	ng	99
41) Hexachlorocyclopentadiene	12.598	237	569438	39.386	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	598909	38.255	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations APPROVED

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

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	658288	38.297	ng	100
46) 1,1'-Biphenyl	13.251	154	2269641	36.765	ng	99
47) 2-Chloronaphthalene	13.292	162	1740708	36.269	ng	100
48) 2-Nitroaniline	13.486	65	425146	40.253	ng	98
49) Acenaphthylene	14.139	152	2862688	36.877	ng	99
50) Dimethylphthalate	13.880	163	2084186	37.379	ng	100
51) 2,6-Dinitrotoluene	13.986	165	446609	39.718	ng	99
52) Acenaphthene	14.480	154	1769507	36.444	ng	99
53) 3-Nitroaniline	14.310	138	493099	39.347	ng	96
54) 2,4-Dinitrophenol	14.510	184	228596	34.596	ng	99
55) Dibenzofuran	14.816	168	2585454	36.397	ng	99
56) 4-Nitrophenol	14.610	139	411593	38.588	ng	98
57) 2,4-Dinitrotoluene	14.769	165	592521	39.946	ng	99
58) Fluorene	15.463	166	1965747	36.130	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.039	232	557824	37.508	ng	93
60) Diethylphthalate	15.245	149	2031289	36.717	ng	99
61) 4-Chlorophenyl-phenyle...	15.463	204	950092	36.132	ng	99
62) 4-Nitroaniline	15.469	138	449658	38.283	ng	99
63) Azobenzene	15.751	77	1998483	36.142	ng	98
65) 4,6-Dinitro-2-methylph...	15.533	198	312558	38.808	ng	99
66) n-Nitrosodiphenylamine	15.669	169	1747981	37.727	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	604660	38.453	ng	99
68) Hexachlorobenzene	16.463	284	696502	37.911	ng	100
69) Atrazine	16.621	200	578491	39.186	ng	99
70) Pentachlorophenol	16.804	266	464946	38.925	ng	99
71) Phenanthrene	17.198	178	3046863	36.170	ng	99
72) Anthracene	17.286	178	3101683	36.806	ng	100
73) Carbazole	17.551	167	2778780	36.195	ng	99
74) Di-n-butylphthalate	18.133	149	3122305	37.377	ng	99
75) Fluoranthene	19.209	202	3117387	35.092	ng	100
77) Benzidine	19.392	184	1646454	48.798	ng	100
78) Pyrene	19.568	202	3262895	40.348	ng	99
80) Butylbenzylphthalate	20.480	149	1095153	40.599	ng	98
81) Benzo(a)anthracene	21.368	228	2824621	37.193	ng	100
82) 3,3'-Dichlorobenzidine	21.292	252	933068	40.289	ng	100
83) Chrysene	21.433	228	2642484	36.579	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	1606973	38.675	ng	100
85) Di-n-octyl phthalate	22.462	149	2382511	38.642	ng	100
87) Indeno(1,2,3-cd)pyrene	27.750	276	2970902	38.807	ng	100
88) Benzo(b)fluoranthene	23.433	252	2608359	37.732	ng	100
89) Benzo(k)fluoranthene	23.497	252	2566064	36.362	ng	100
90) Benzo(a)pyrene	24.239	252	2459411	37.840	ng	99
91) Dibenzo(a,h)anthracene	27.815	278	2412391	38.821	ng	100
92) Benzo(g,h,i)perylene	28.791	276	2411378	38.771	ng	99

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

ICAL Form

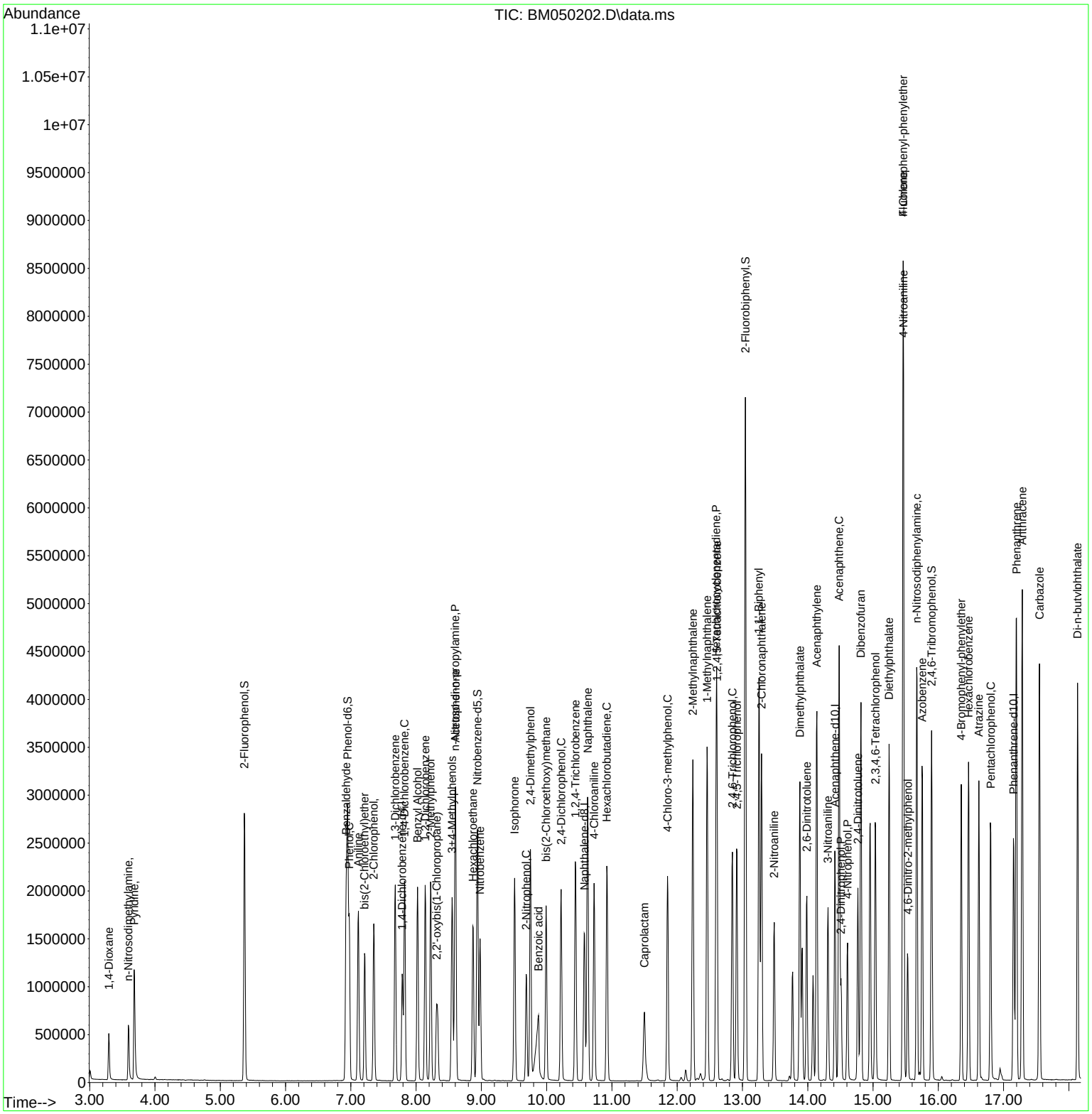
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations APPROVED

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



ICAL Form

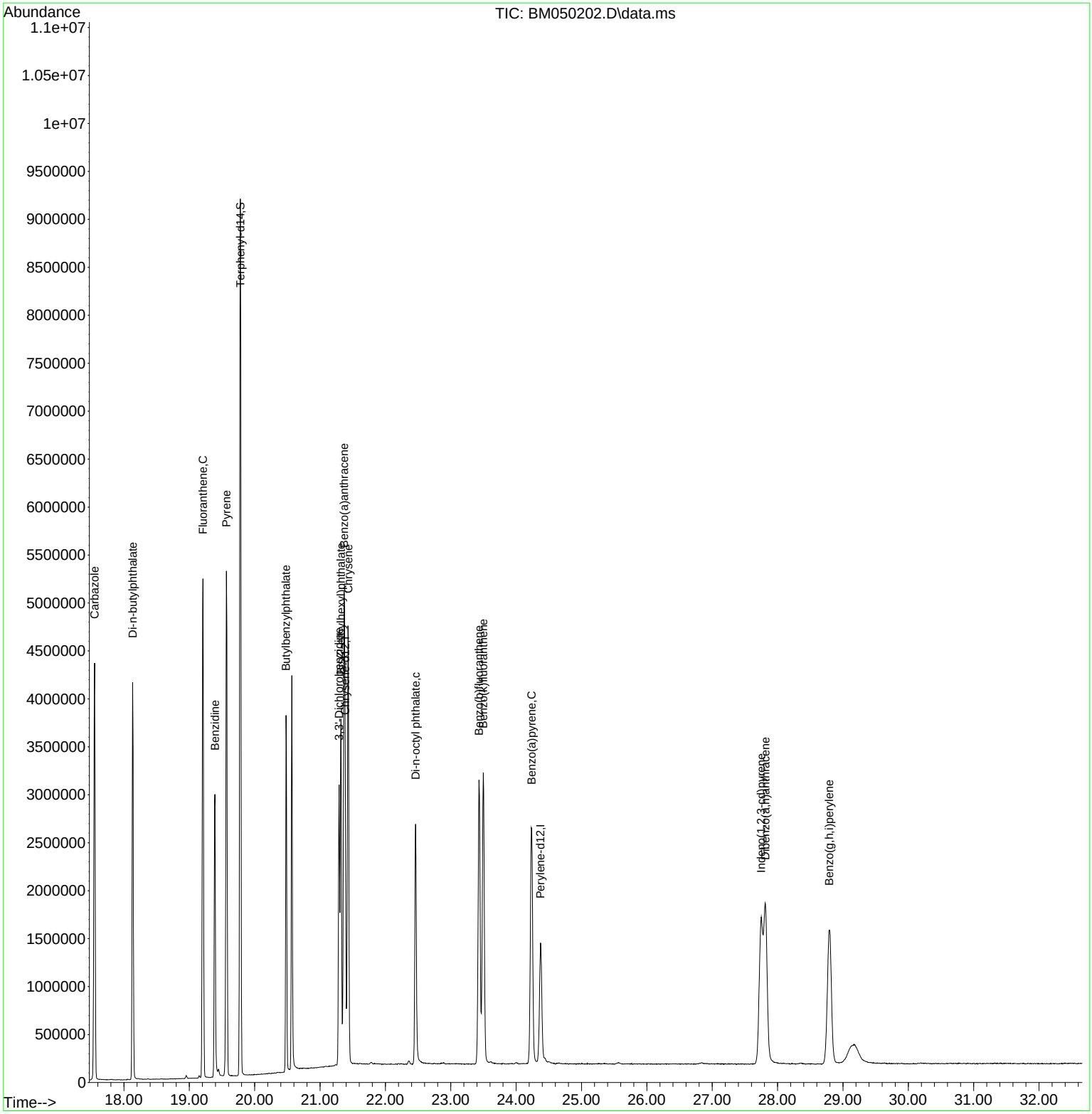
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

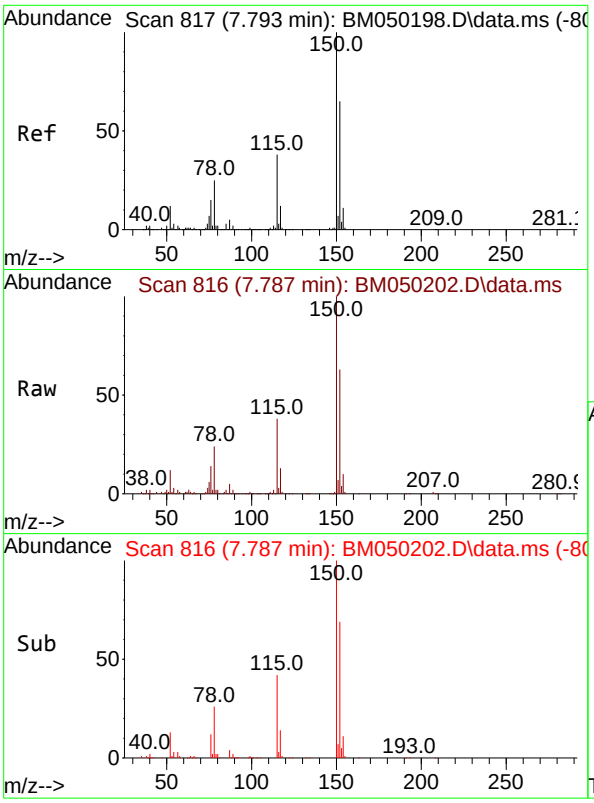
Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations APPROVED

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

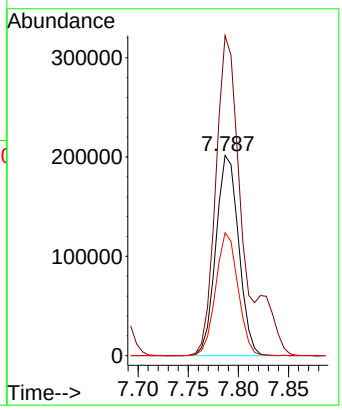




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:152 Resp: 31898

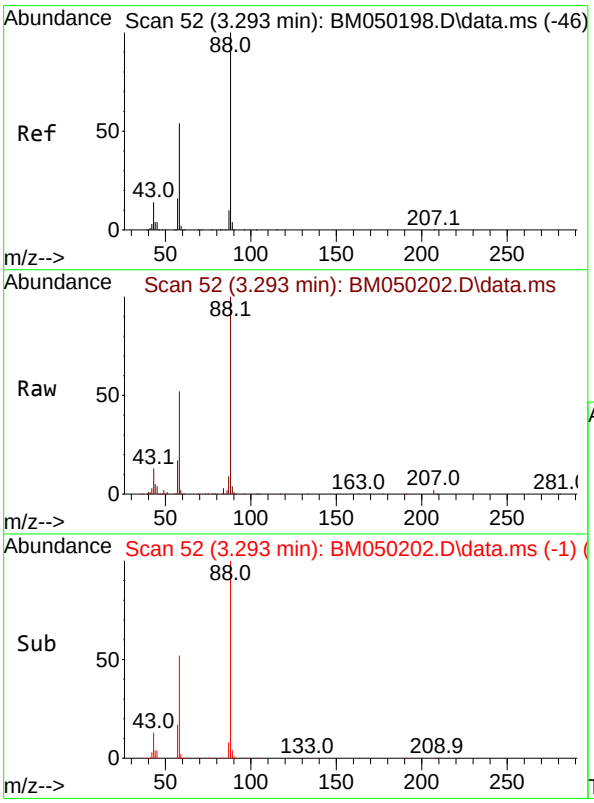
Ion	Ratio	Lower	Upper
152	100		
150	159.9	122.2	183.4
115	61.4	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

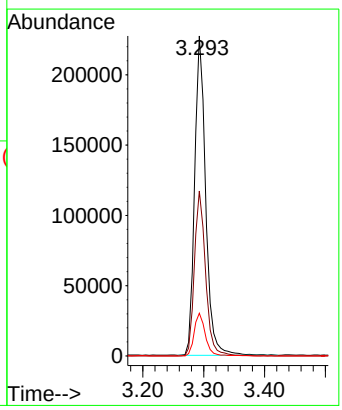
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

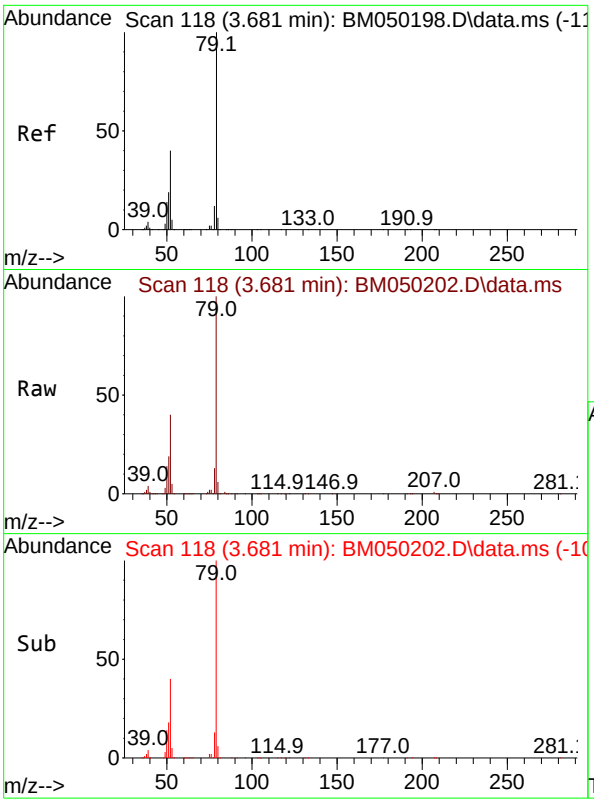


#2
1,4-Dioxane
Concen: 34.075 ng
RT: 3.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 88 Resp: 285619

Ion	Ratio	Lower	Upper
88	100		
58	52.3	42.9	64.3
43	13.5	11.0	16.6

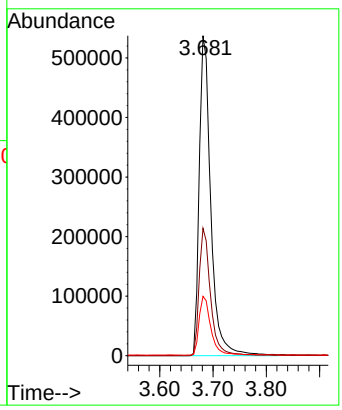




#3
Pyridine
Concen: 37.216 ng
RT: 3.681 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 79 Resp: 80783

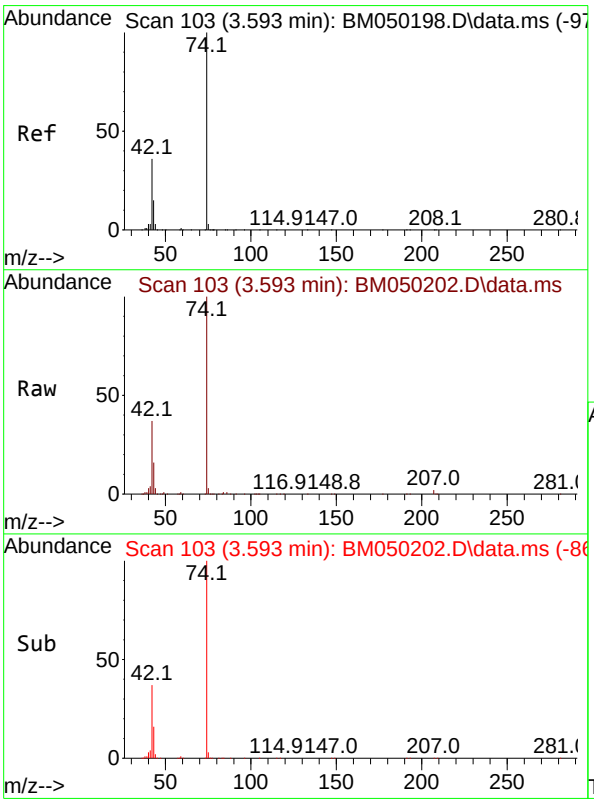
Ion	Ratio	Lower	Upper
79	100		
52	39.8	32.1	48.1
51	18.6	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

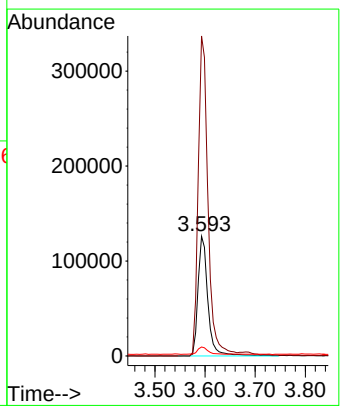
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

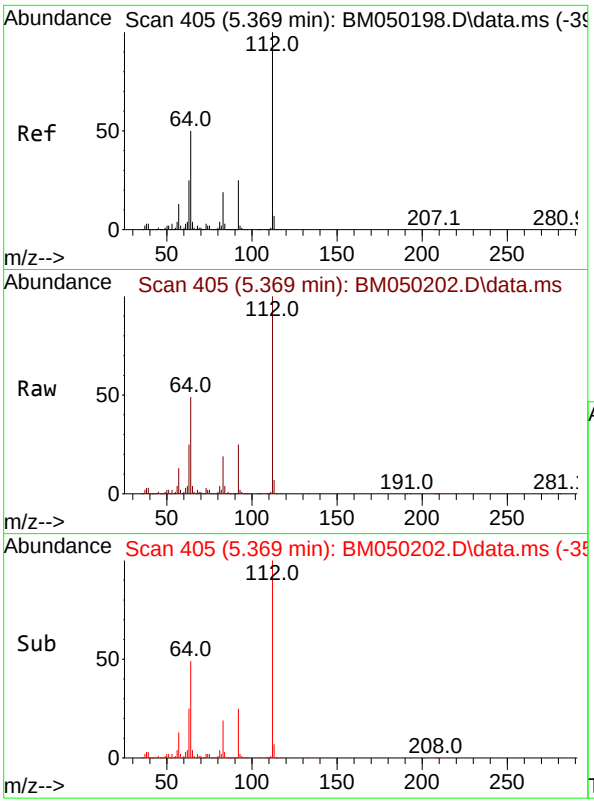


#4
n-Nitrosodimethylamine
Concen: 38.276 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 42 Resp: 171804

Ion	Ratio	Lower	Upper
42	100		
74	267.3	222.0	333.0
44	7.5	7.0	10.6

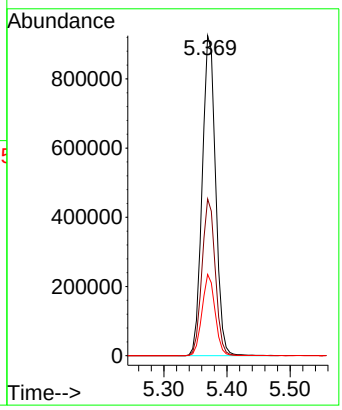




#5
2-Fluorophenol
Concen: 71.321 ng
RT: 5.369 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:112 Resp: 136381

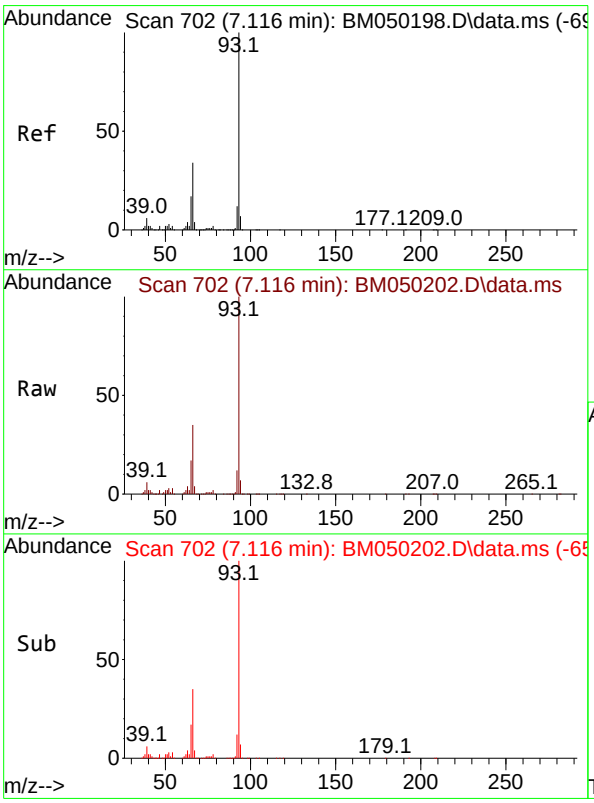
Ion	Ratio	Lower	Upper
112	100		
64	49.0	39.8	59.6
63	25.4	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

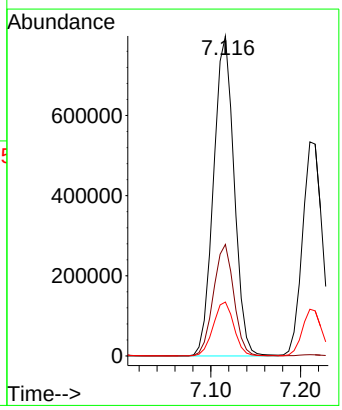
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

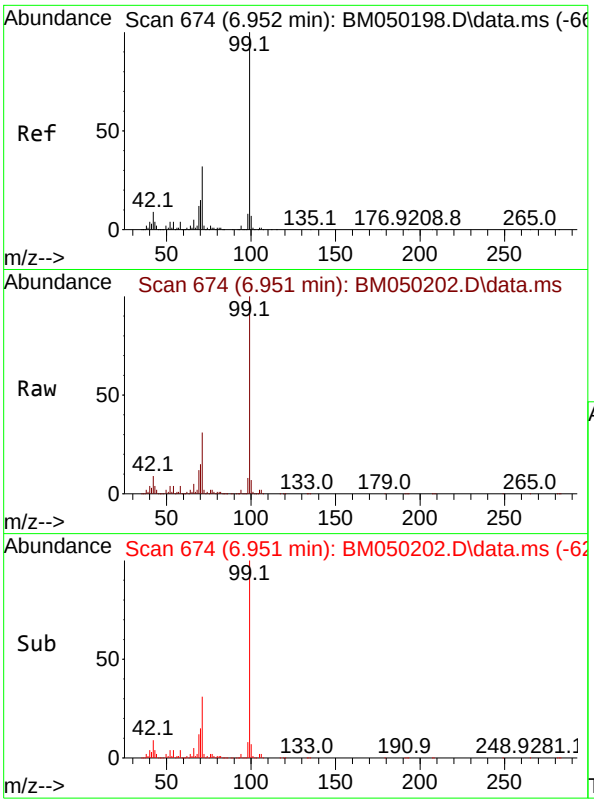


#6
Aniline
Concen: 38.184 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 93 Resp: 1270681

Ion	Ratio	Lower	Upper
93	100		
66	34.9	27.4	41.2
65	16.9	13.6	20.4

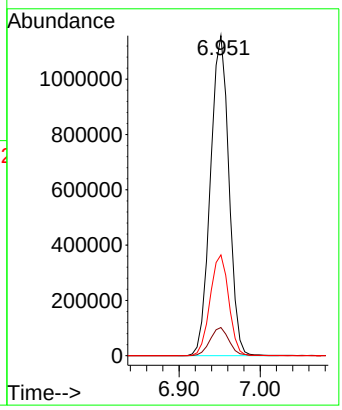




#7
Phenol-d6
Concen: 72.656 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 99 Resp: 182895

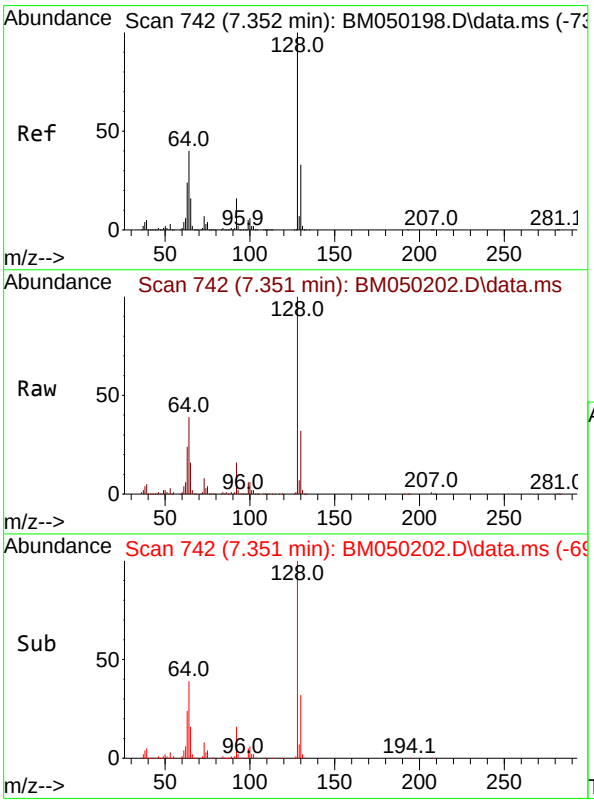
Ion	Ratio	Lower	Upper
99	100		
42	8.8	6.9	10.3
71	31.5	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

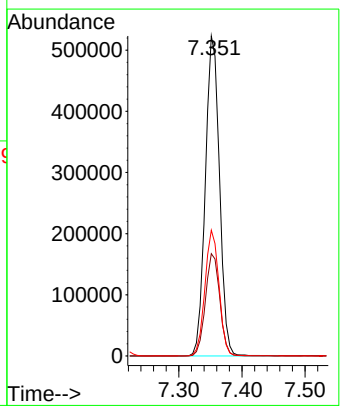
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

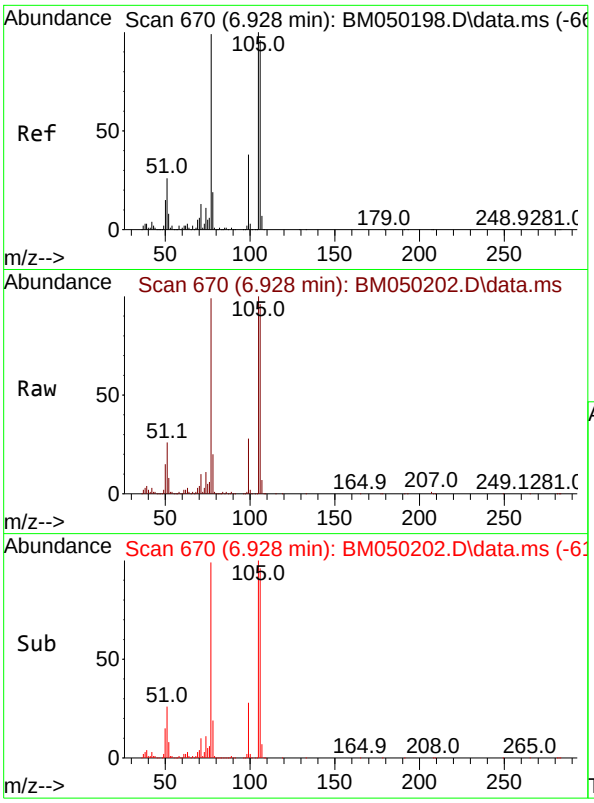


#8
2-Chlorophenol
Concen: 38.620 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:128 Resp: 812307

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	39.3	19.8	59.8

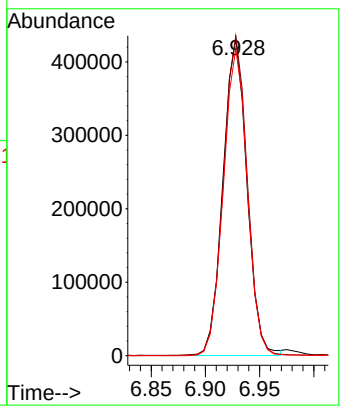




#9
Benzaldehyde
Concen: 41.383 ng m
RT: 6.928 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 77 Resp: 66231

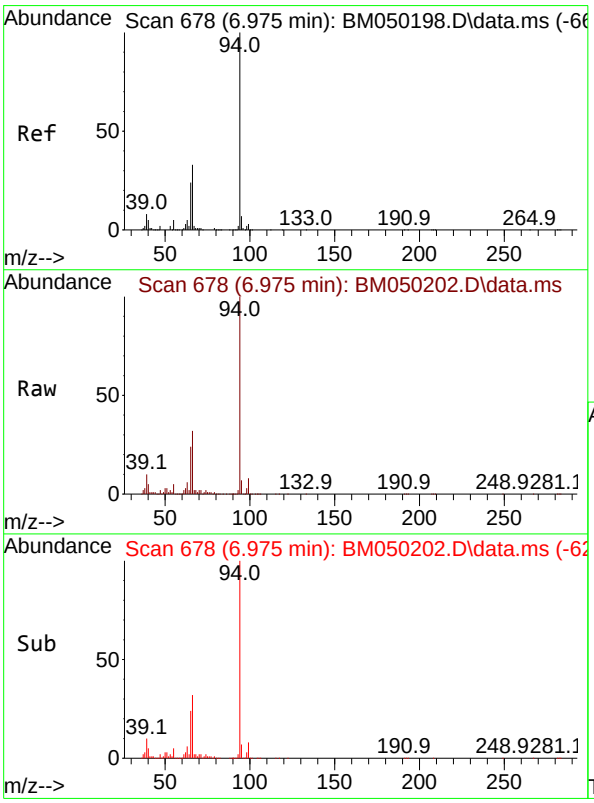
Ion	Ratio	Lower	Upper
77	100		
105	101.1	80.9	120.9
106	97.0	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

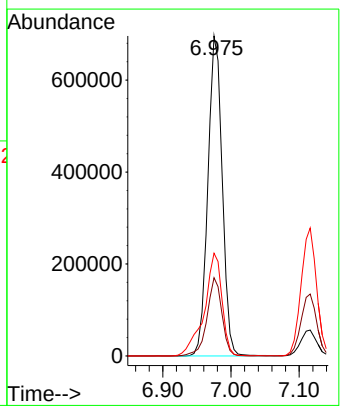
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

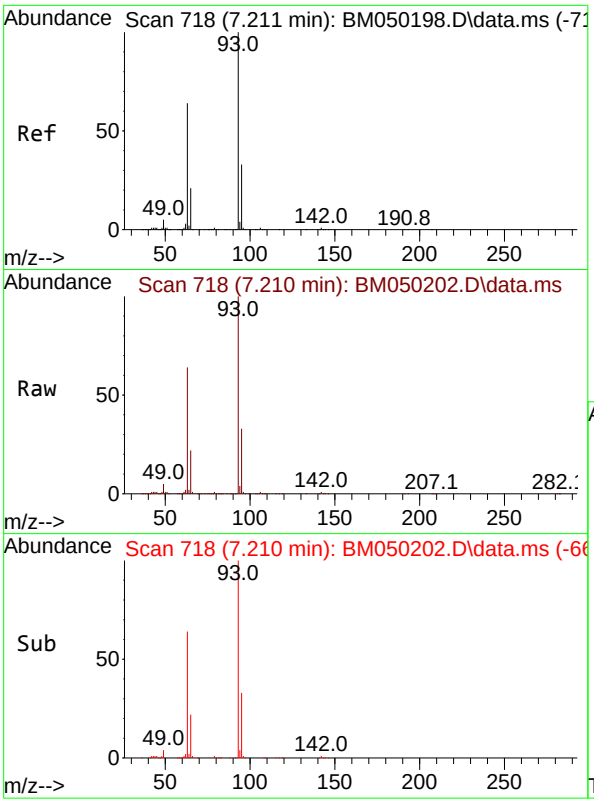


#10
Phenol
Concen: 38.313 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 94 Resp: 1020433

Ion	Ratio	Lower	Upper
94	100		
65	24.4	4.3	44.3
66	32.1	12.9	52.9

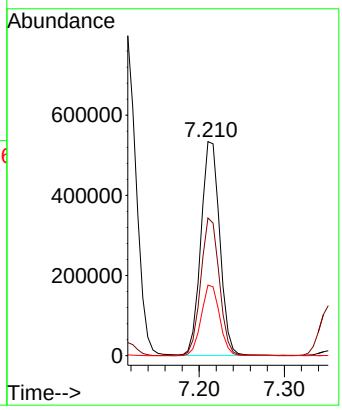




#11
bis(2-Chloroethyl)ether
Concen: 38.237 ng
RT: 7.210 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 93 Resp: 81915

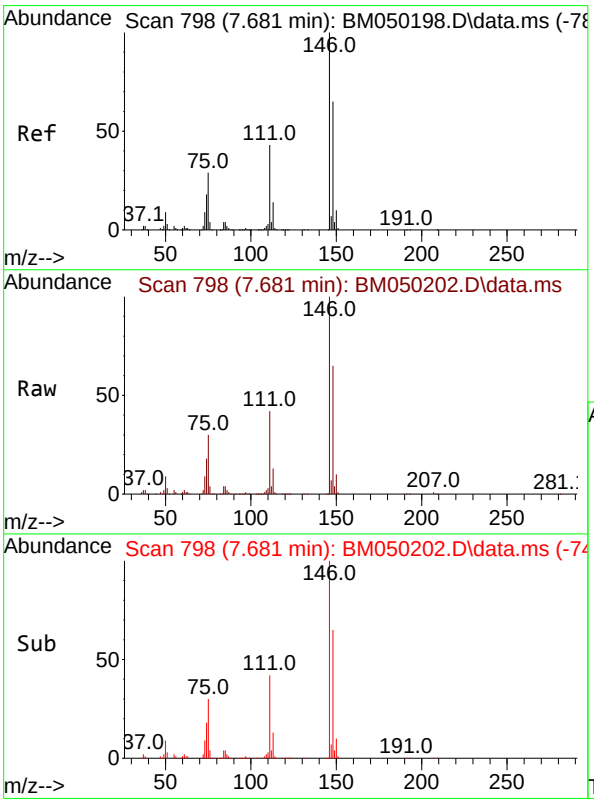
Ion	Ratio	Lower	Upper
93	100		
63	64.4	43.9	83.9
95	33.0	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

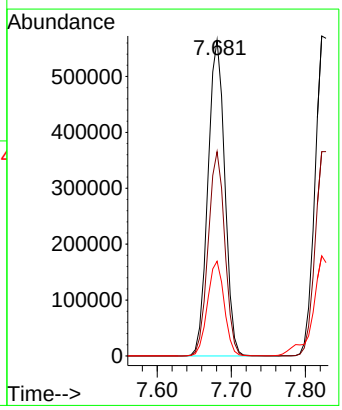
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

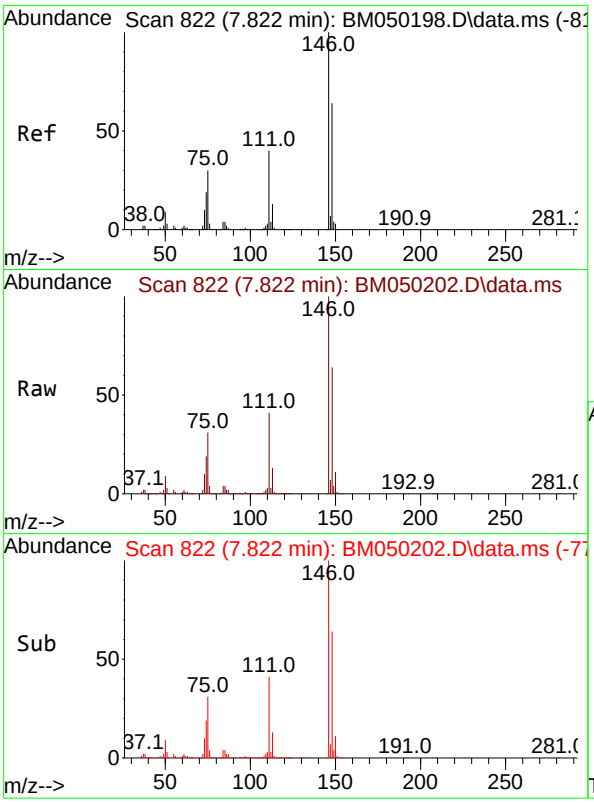


#12
1,3-Dichlorobenzene
Concen: 37.856 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:146 Resp: 890155

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
75	30.0	23.4	35.0

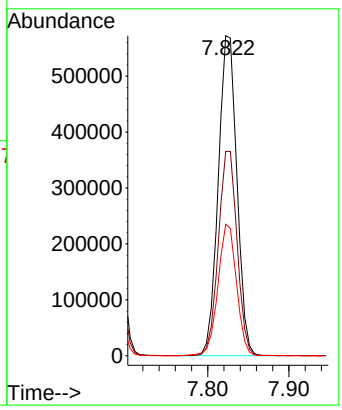




#13
1,4-Dichlorobenzene
Concen: 37.381 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:146 Resp: 91454

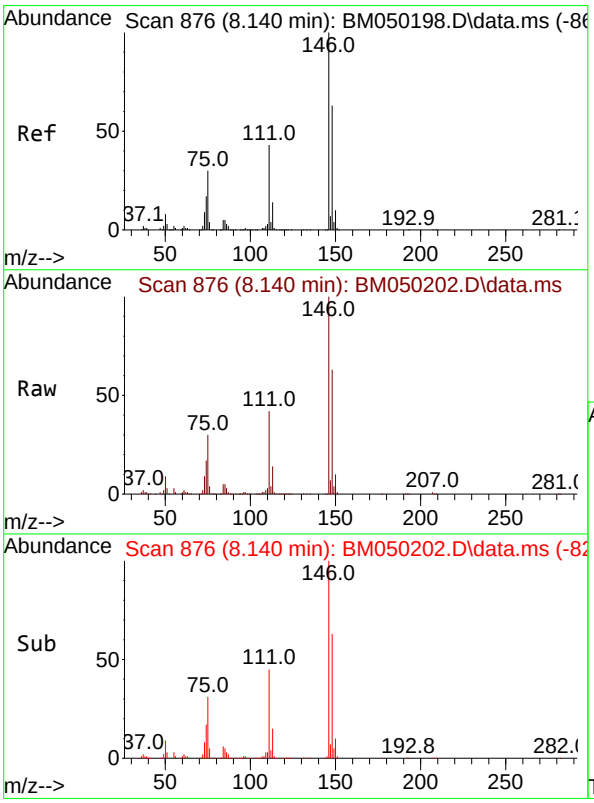
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.0
111	41.1	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

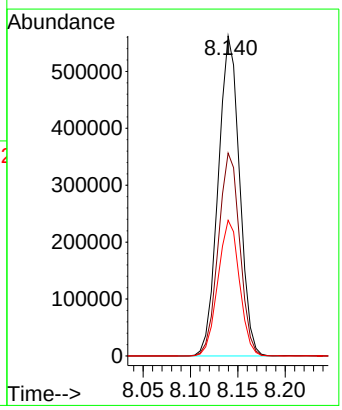
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

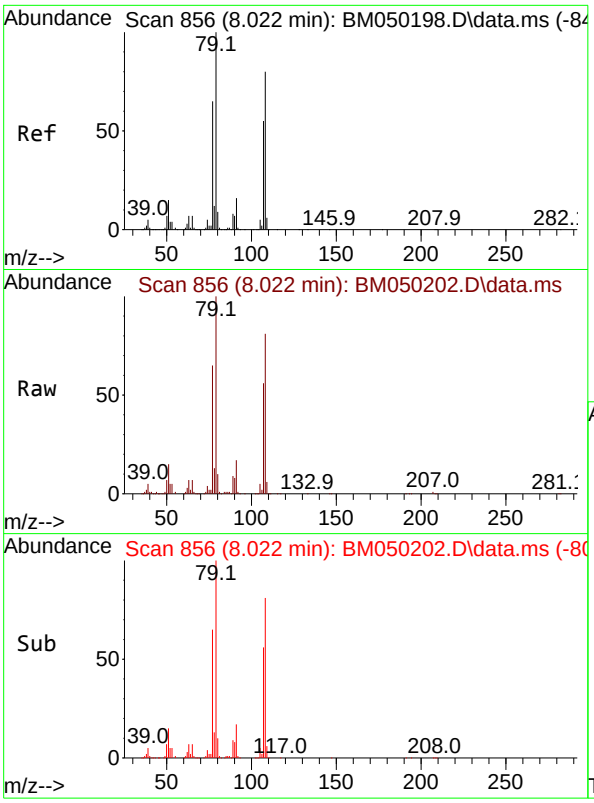


#14
1,2-Dichlorobenzene
Concen: 37.789 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:146 Resp: 881362

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.4	75.6
111	42.4	34.3	51.5

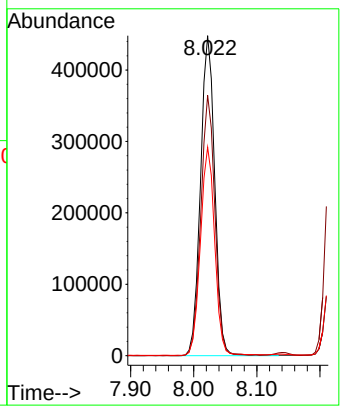




#15
Benzyl Alcohol
Concen: 39.129 ng
RT: 8.022 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 79 Resp: 70252

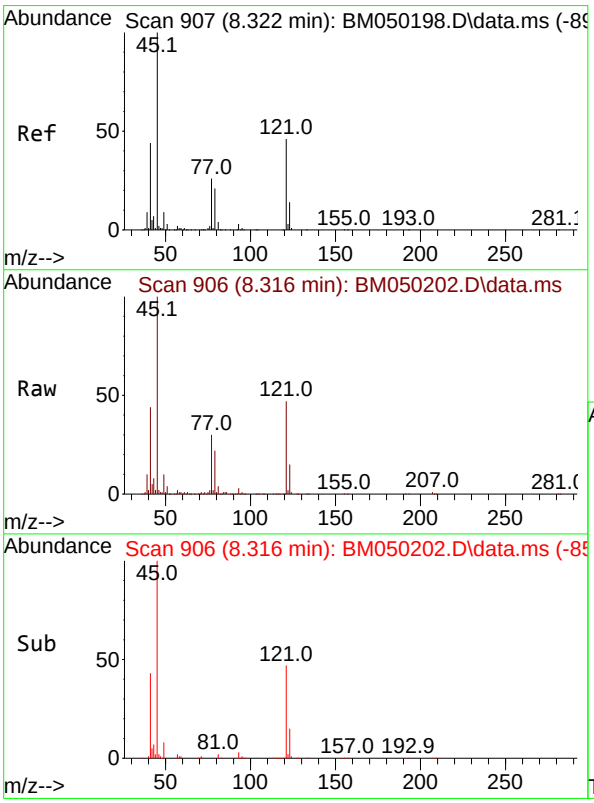
Ion	Ratio	Lower	Upper
79	100		
108	81.3	64.0	96.0
77	65.1	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

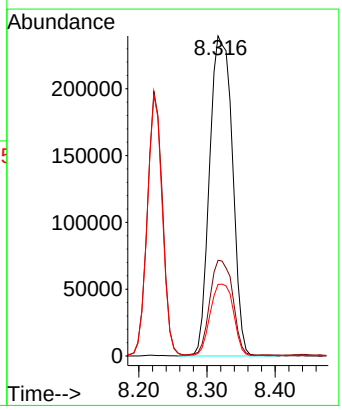
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

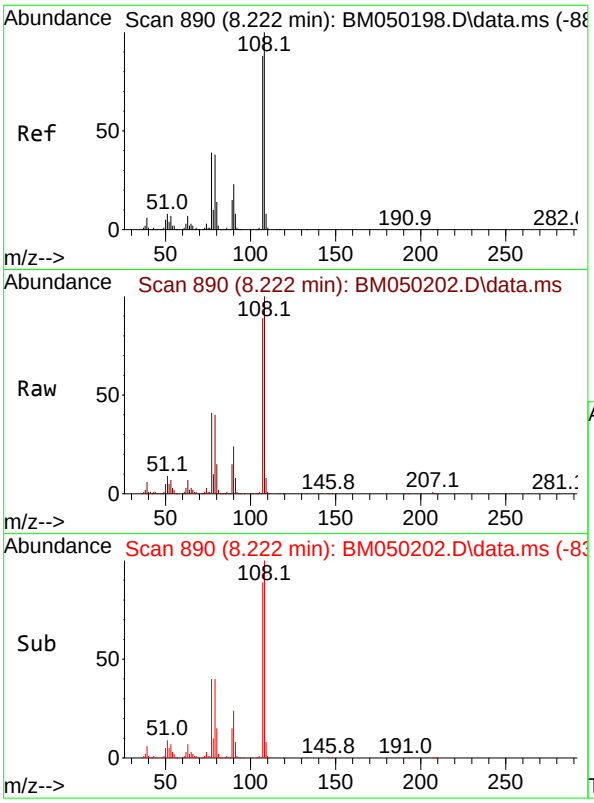


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.404 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 45 Resp: 556648

Ion	Ratio	Lower	Upper
45	100		
77	29.9	8.7	48.7
79	22.4	2.7	42.7

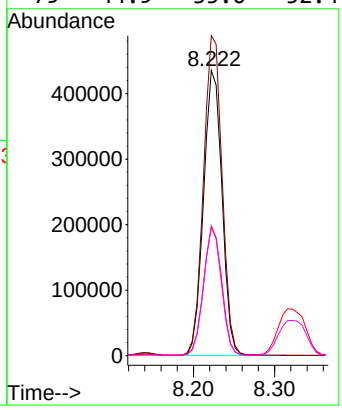




#17
2-Methylphenol
Concen: 39.079 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:107 Resp: 68675

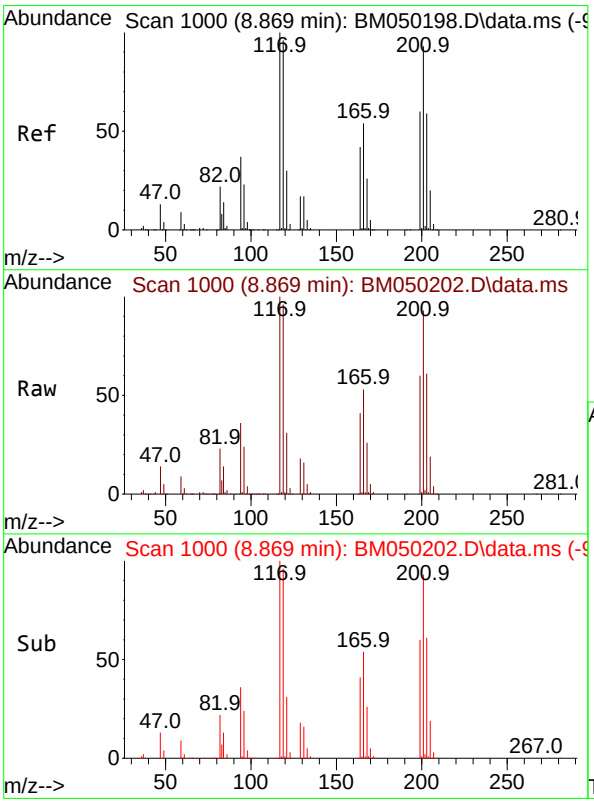
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.8	136.2
77	45.5	35.7	53.5
79	44.9	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

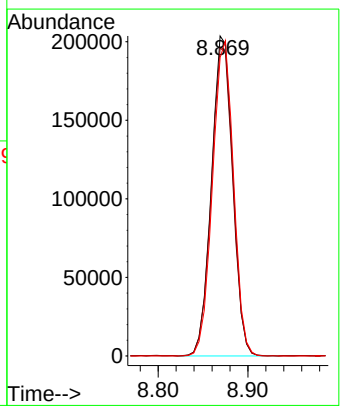
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

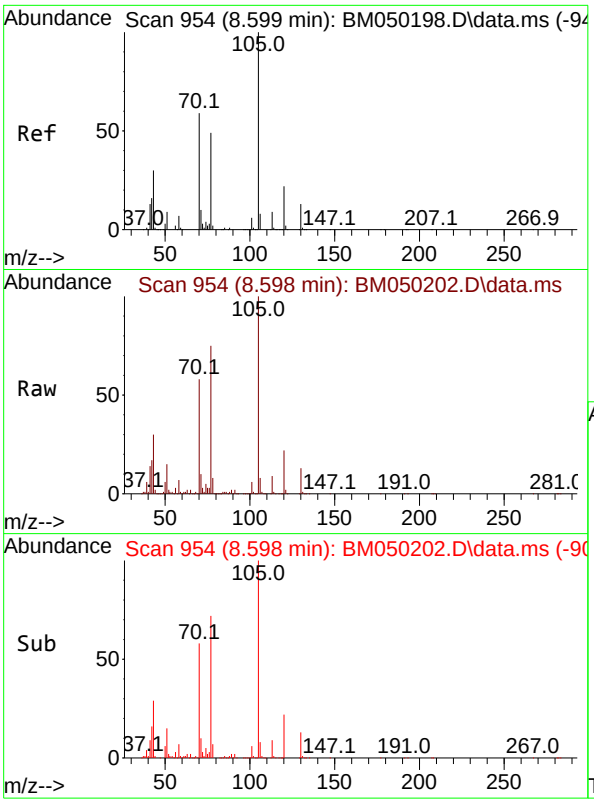


#18
Hexachloroethane
Concen: 38.024 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:117 Resp: 336898

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.6
201	93.2	74.6	111.8

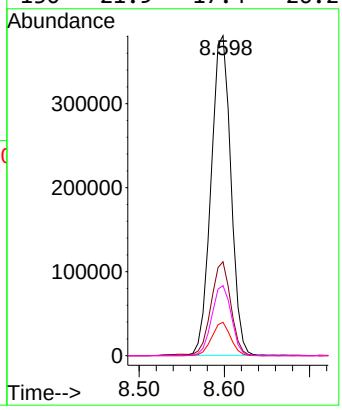




#19
n-Nitroso-di-n-propylamine
Concen: 39.802 ng
RT: 8.598 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 70 Resp: 61312

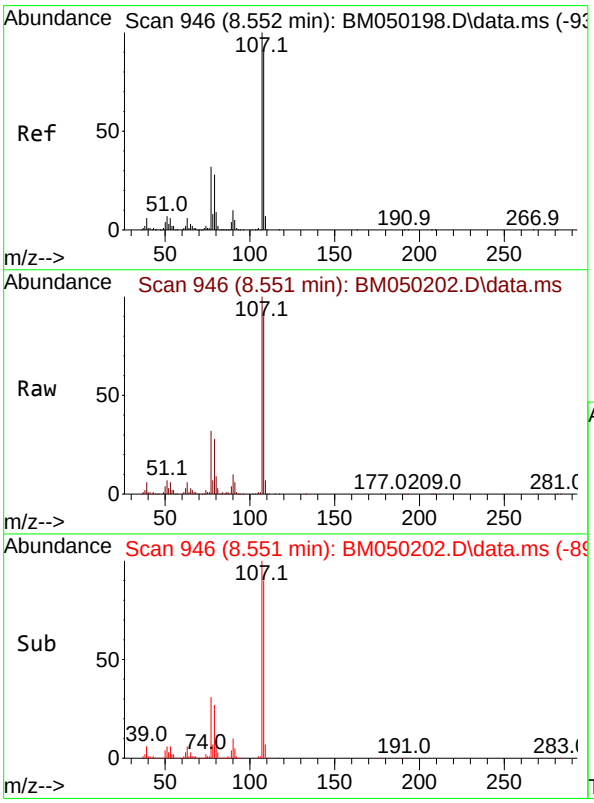
Ion	Ratio	Lower	Upper
70	100		
42	29.4	22.6	33.8
101	10.5	8.3	12.5
130	21.9	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

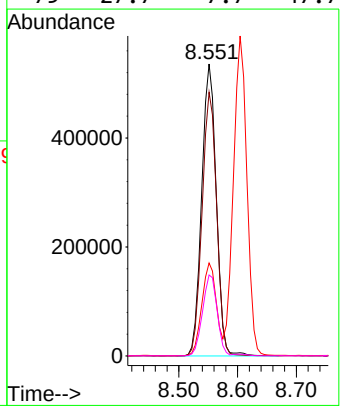
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

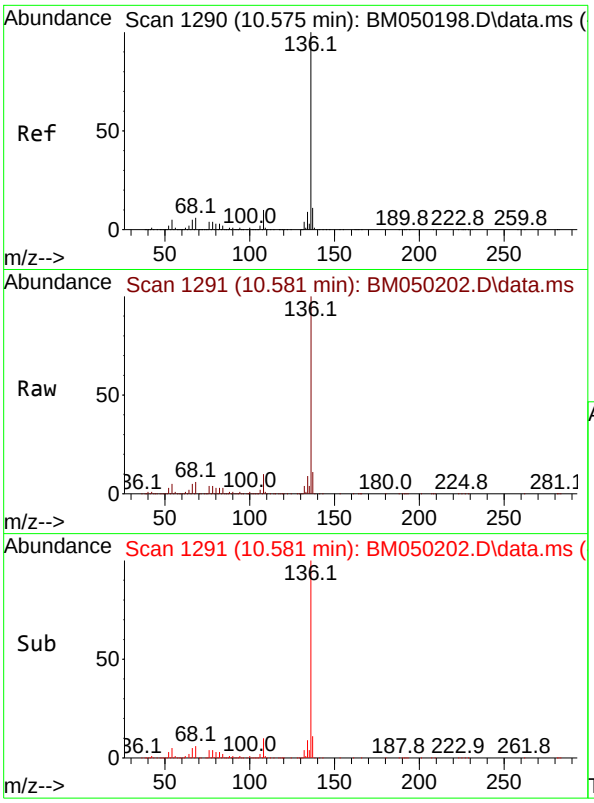


#20
3+4-Methylphenols
Concen: 39.372 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:107 Resp: 925708

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.4	110.4
77	31.8	12.2	52.2
79	27.7	7.7	47.7

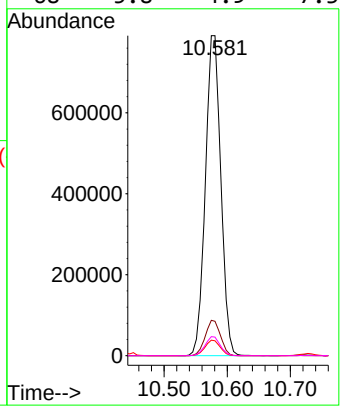




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:136 Resp: 134579

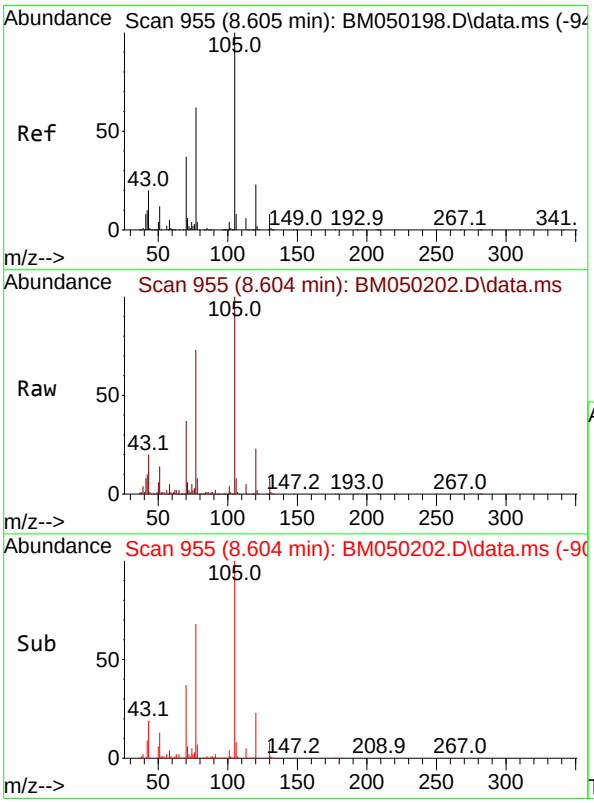
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	4.6	3.8	5.8
68	5.8	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

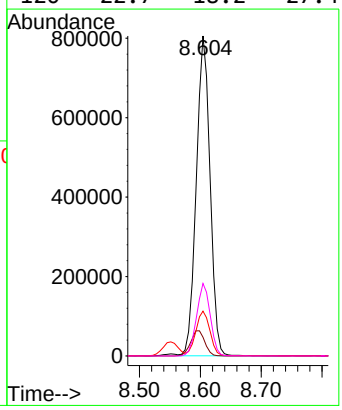
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

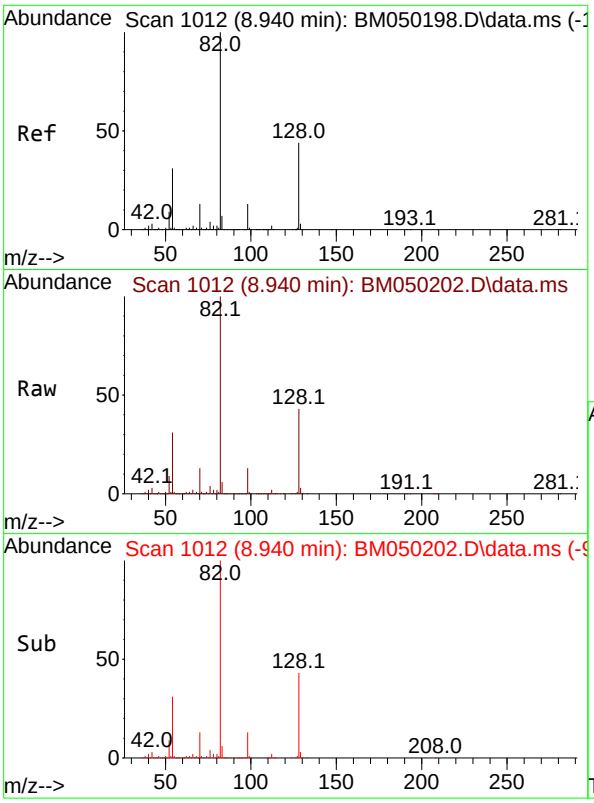


#22
Acetophenone
Concen: 37.622 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:105 Resp: 1264911

Ion	Ratio	Lower	Upper
105	100		
71	5.8	5.0	7.4
51	14.0	11.4	17.2
120	22.7	18.2	27.4

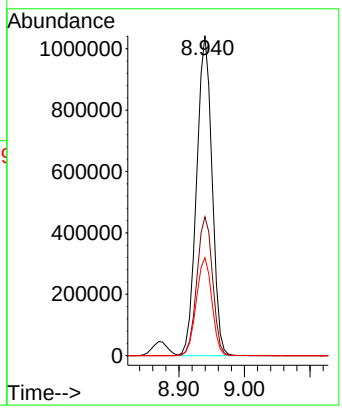




#23
Nitrobenzene-d5
Concen: 65.977 ng
RT: 8.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 82 Resp: 170727

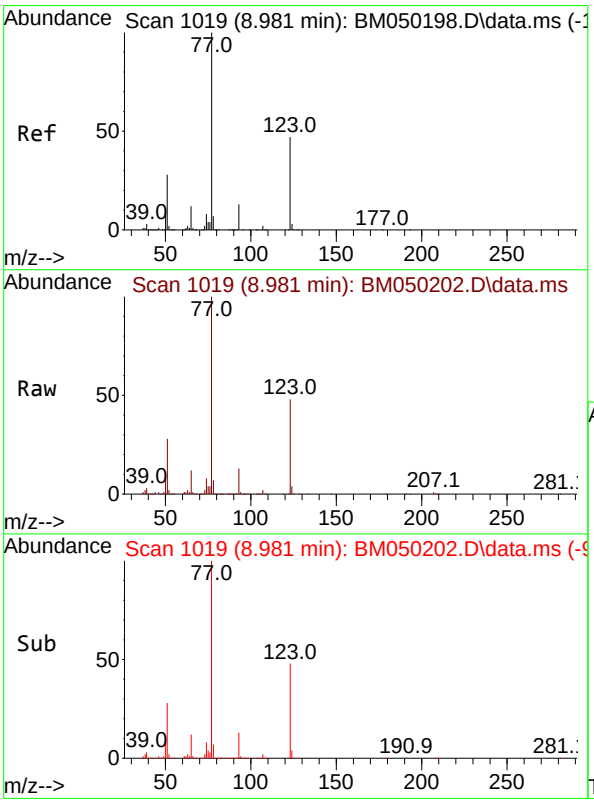
Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.2	52.8
54	30.6	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

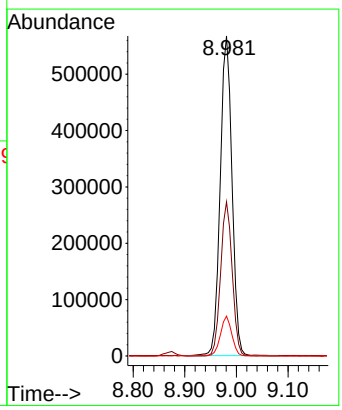
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

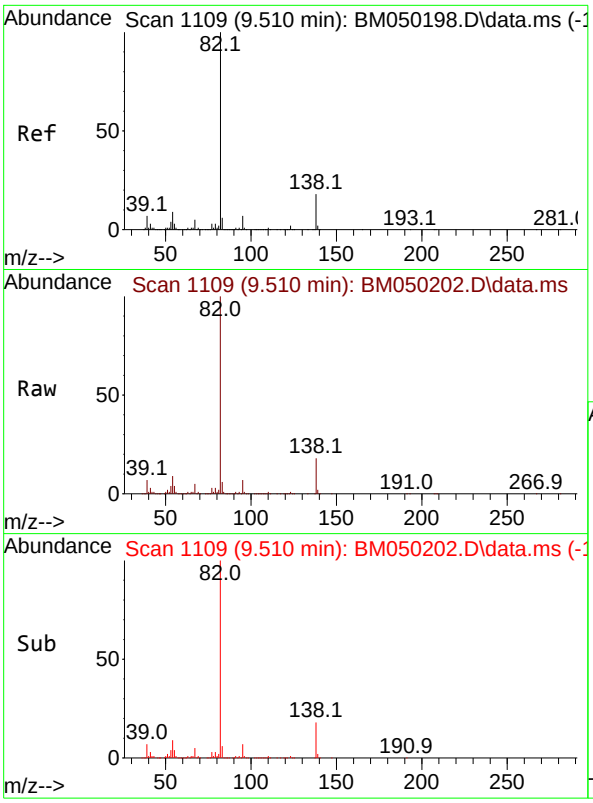


#24
Nitrobenzene
Concen: 38.131 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 77 Resp: 897378

Ion	Ratio	Lower	Upper
77	100		
123	48.1	38.2	57.2
65	12.5	9.5	14.3

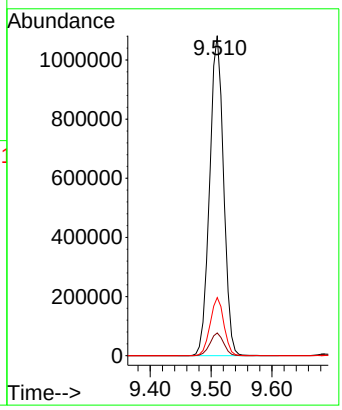




#25
Isophorone
Concen: 38.498 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 82 Resp: 171940

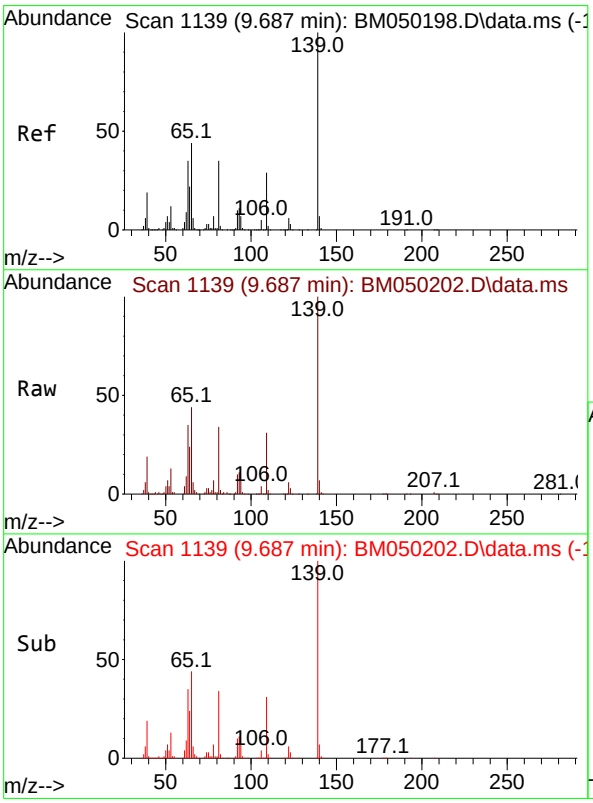
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	18.1	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

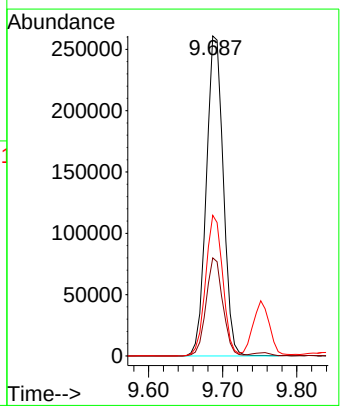
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

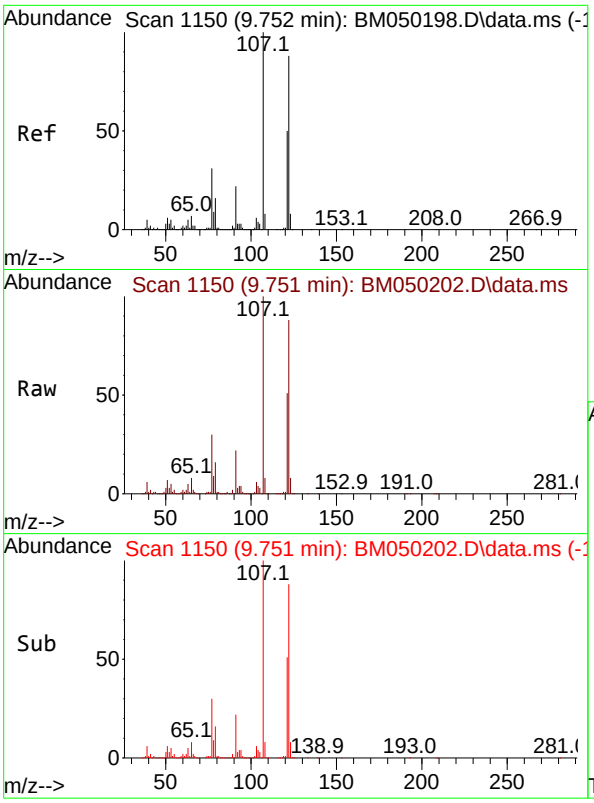


#26
2-Nitrophenol
Concen: 40.867 ng
RT: 9.687 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:139 Resp: 415162

Ion	Ratio	Lower	Upper
139	100		
109	30.6	23.3	34.9
65	43.9	35.2	52.8

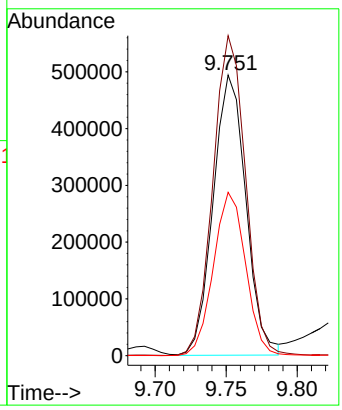




#27
2,4-Dimethylphenol
Concen: 37.886 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:122 Resp: 79154

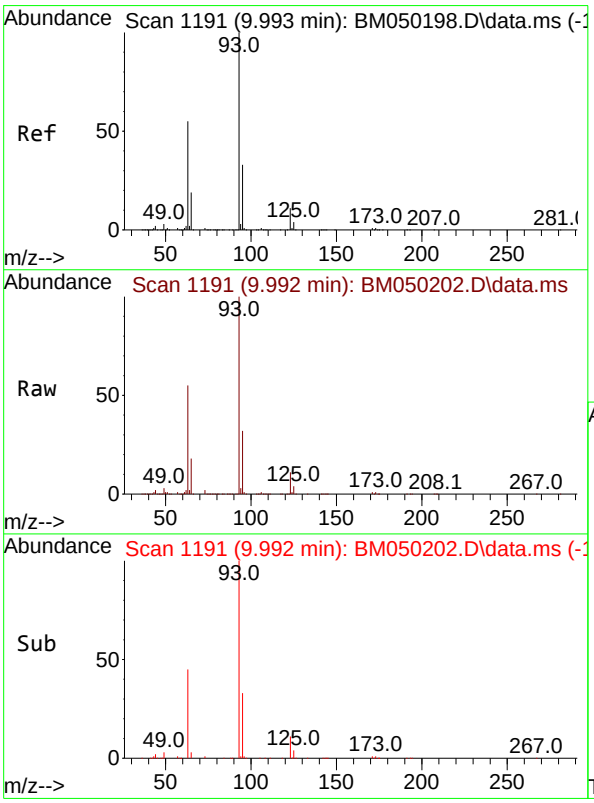
Ion	Ratio	Lower	Upper
122	100		
107	114.0	91.0	136.6
121	58.2	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

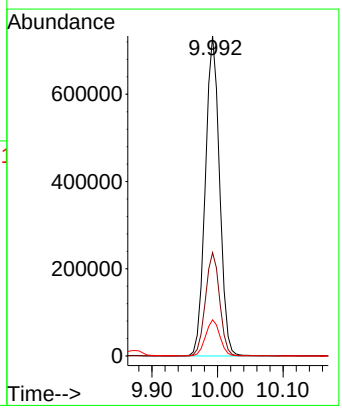
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

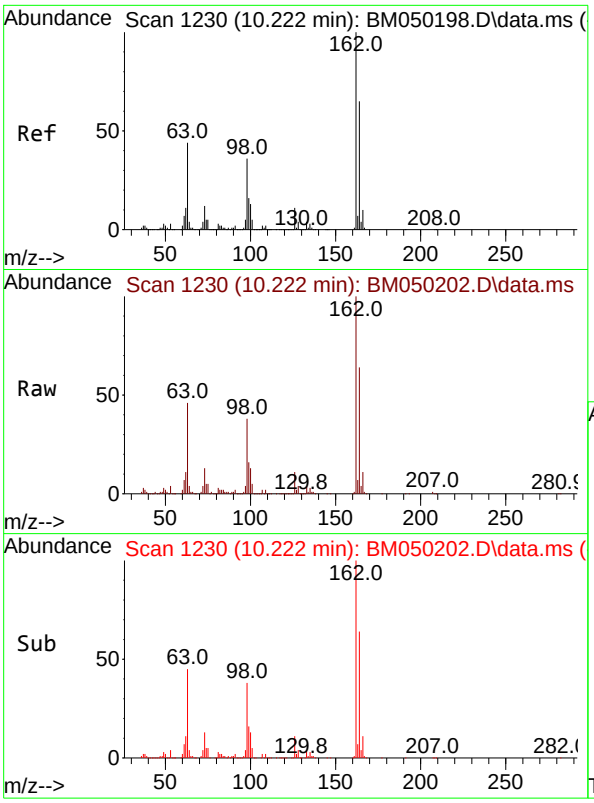


#28
bis(2-Chloroethoxy)methane
Concen: 38.061 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 93 Resp: 1110519

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	11.3	8.9	13.3

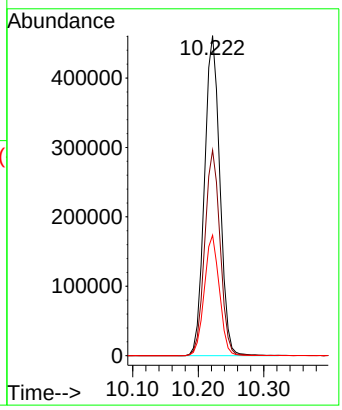




#29
2,4-Dichlorophenol
Concen: 38.988 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:162 Resp: 75308

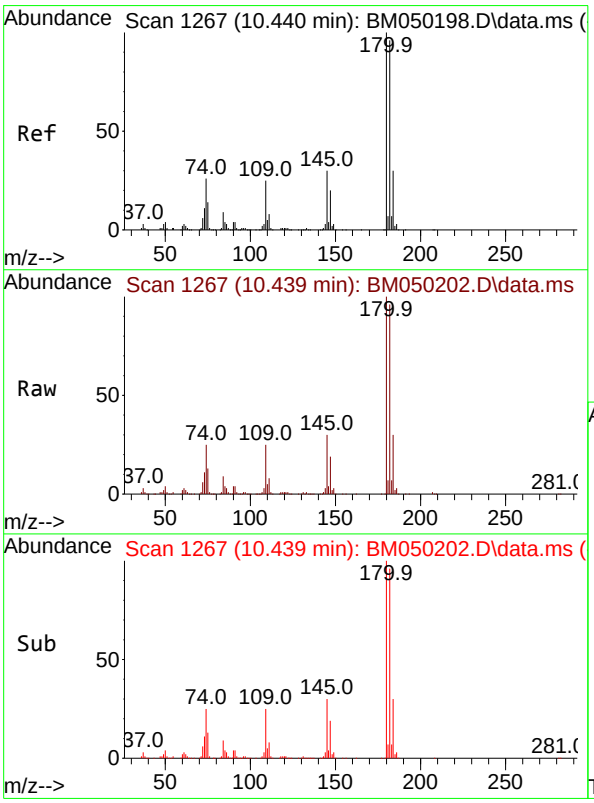
Ion	Ratio	Lower	Upper
162	100		
164	64.2	45.0	85.0
98	37.6	16.3	56.3



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

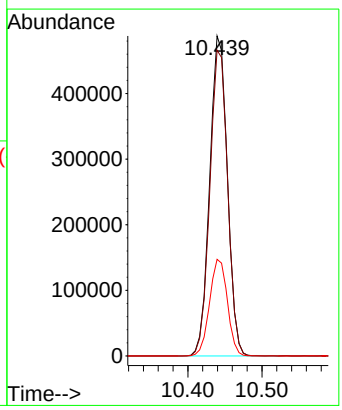
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

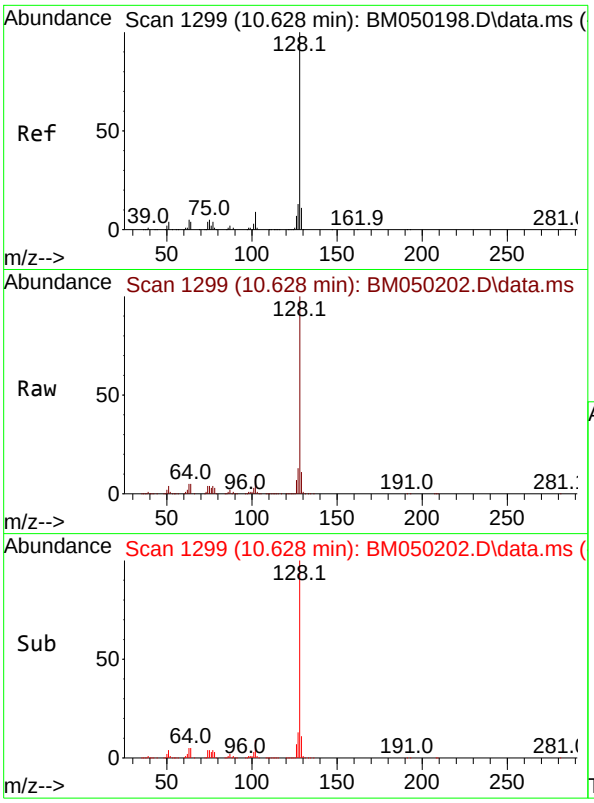


#30
1,2,4-Trichlorobenzene
Concen: 37.573 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:180 Resp: 807629

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
145	30.2	24.2	36.4

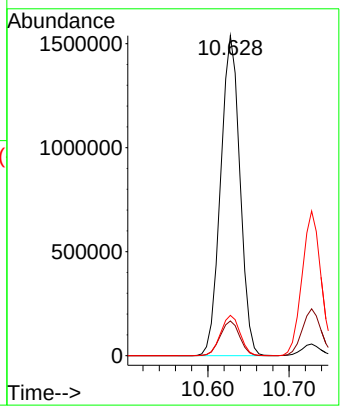




#31
Naphthalene
Concen: 36.633 ng
RT: 10.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:128 Resp: 254891

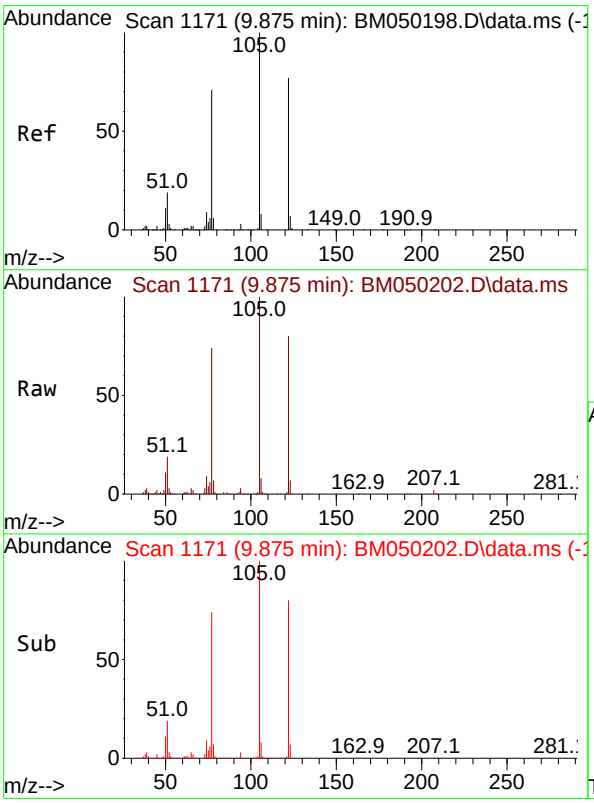
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	12.6	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

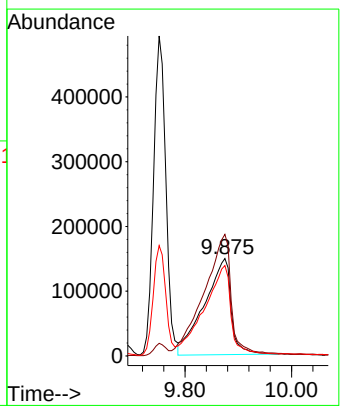
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

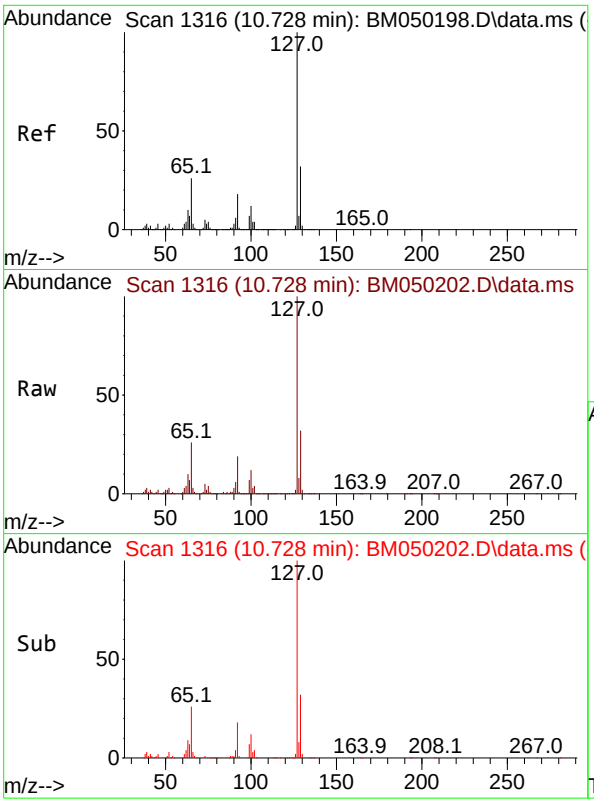


#32
Benzoic acid
Concen: 39.598 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:122 Resp: 519441

Ion	Ratio	Lower	Upper
122	100		
105	124.8	103.4	143.4
77	92.7	70.3	110.3

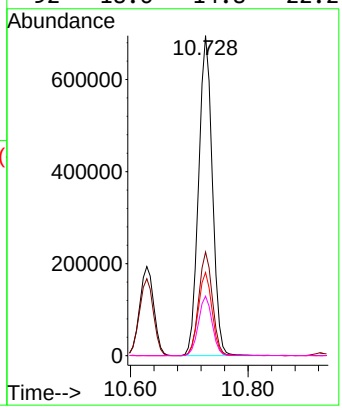




#33
4-Chloroaniline
Concen: 38.018 ng
RT: 10.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:127 Resp: 112780

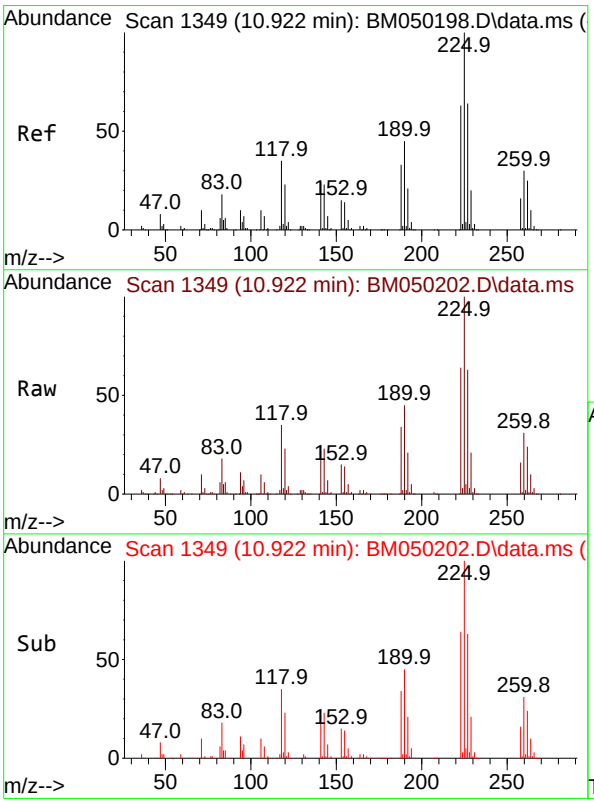
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.4	38.0
65	26.0	21.0	31.4
92	18.6	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

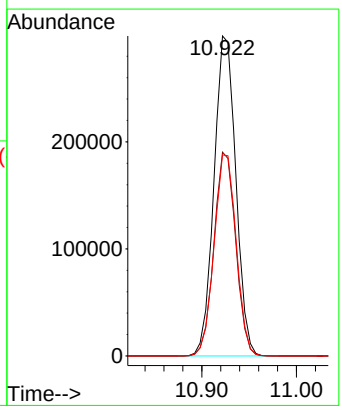
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

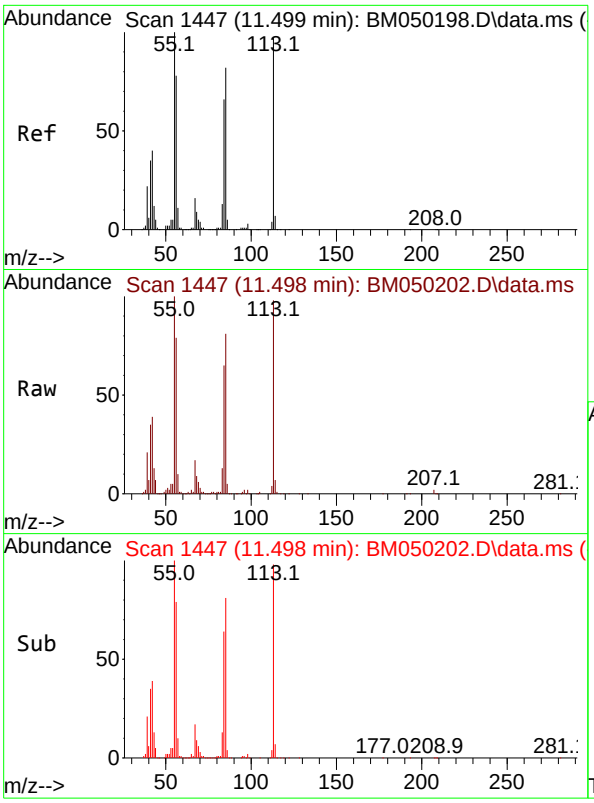


#34
Hexachlorobutadiene
Concen: 37.511 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:225 Resp: 479592

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.2
227	62.9	51.0	76.4

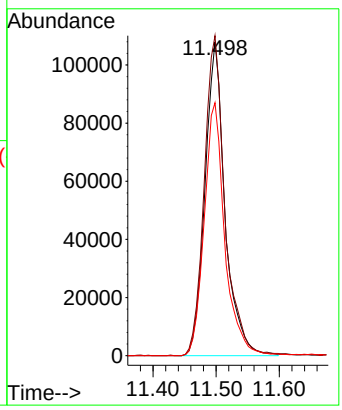




#35
Caprolactam
Concen: 38.807 ng
RT: 11.498 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:113 Resp: 23764

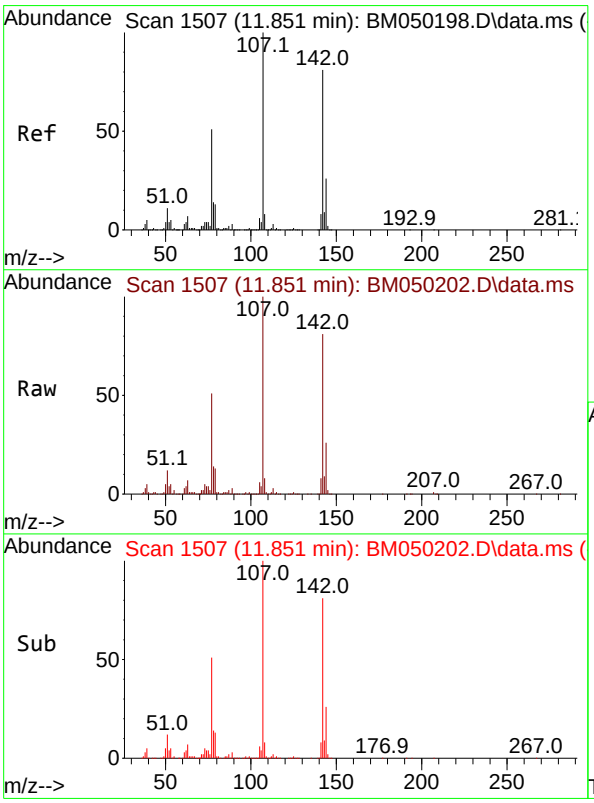
Ion	Ratio	Lower	Upper
113	100		
55	101.9	83.5	123.5
56	80.6	60.6	100.6



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

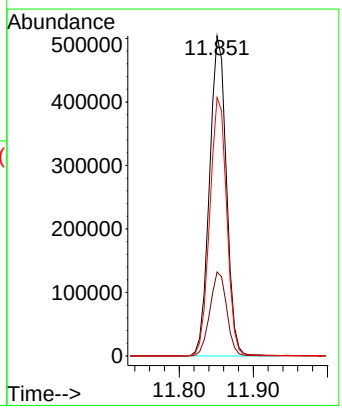
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

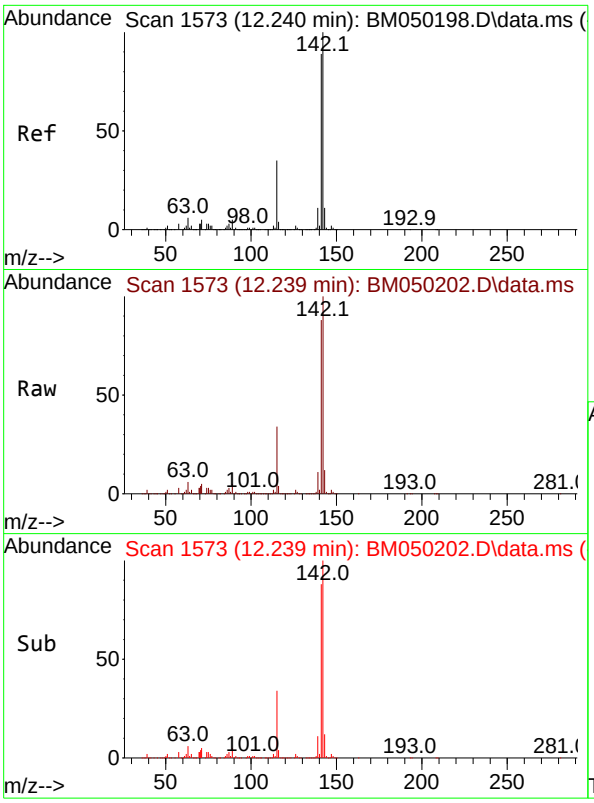


#36
4-Chloro-3-methylphenol
Concen: 38.568 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:107 Resp: 794929

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.0	31.6
142	80.8	64.8	97.2

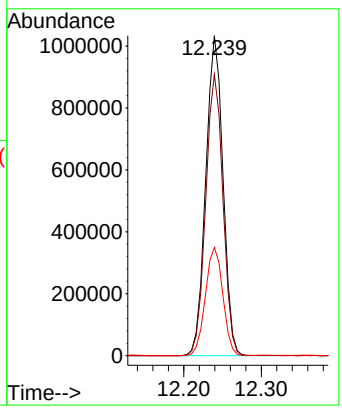




#37
2-Methylnaphthalene
Concen: 37.986 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:142 Resp: 159451

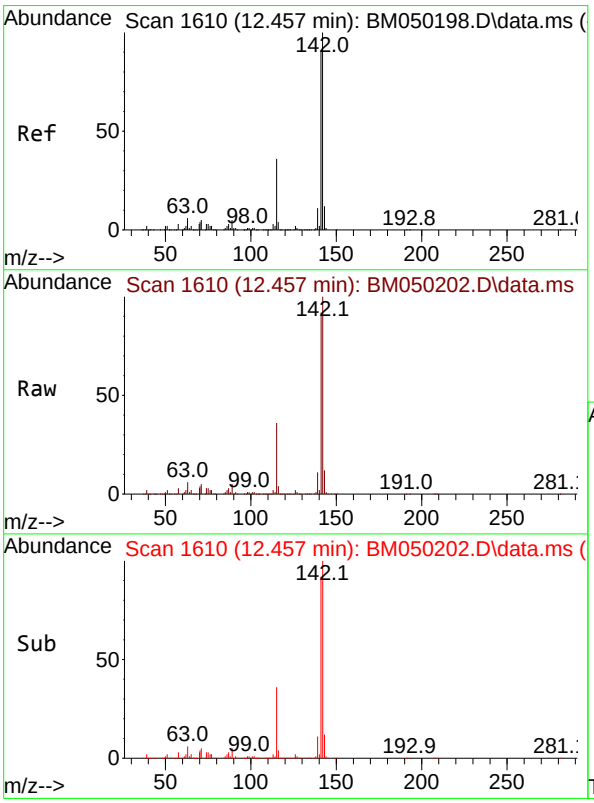
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.5	107.3
115	33.8	27.8	41.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

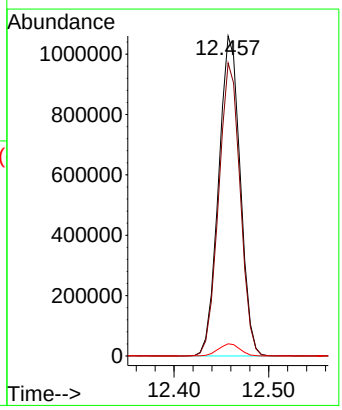
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

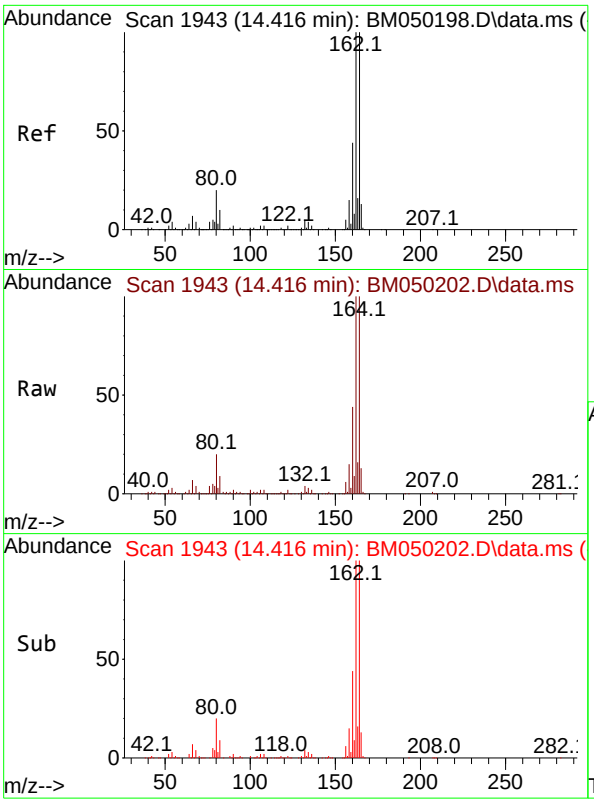


#38
1-Methylnaphthalene
Concen: 37.722 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:142 Resp: 1680613

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.9	109.3
116	3.8	3.0	4.6

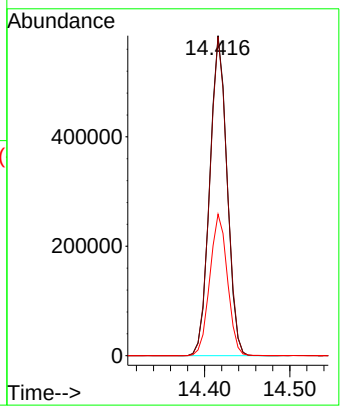




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:164 Resp: 82445

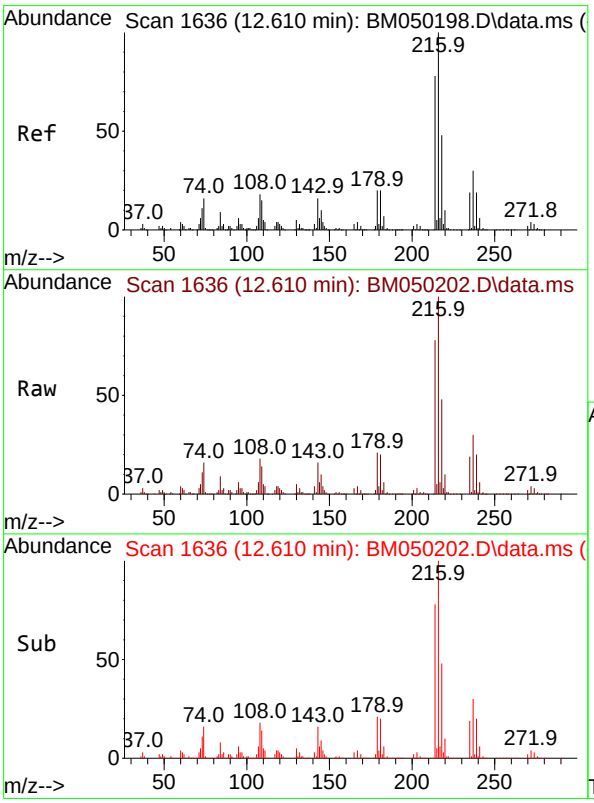
Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.2	120.4
160	44.2	35.7	53.5



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

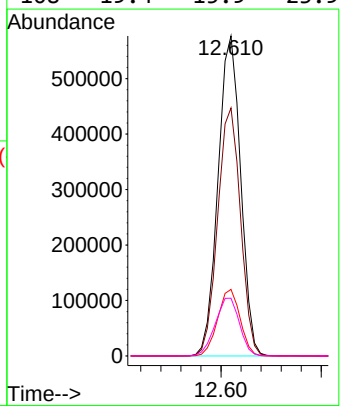
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

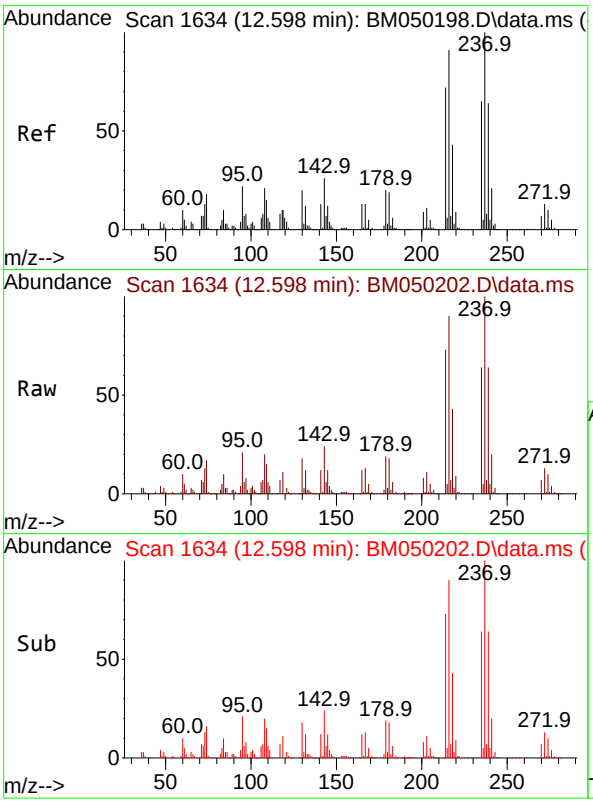


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.845 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:216 Resp: 900972

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.0	94.4
179	20.7	16.6	25.0
108	19.4	15.9	23.9

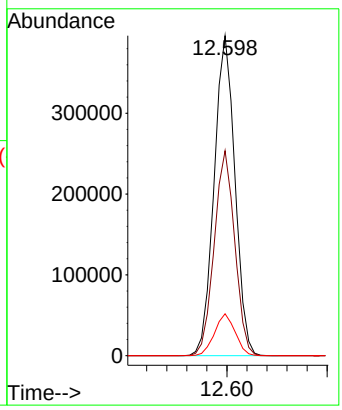




#41
Hexachlorocyclopentadiene
Concen: 39.386 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:237 Resp: 56943

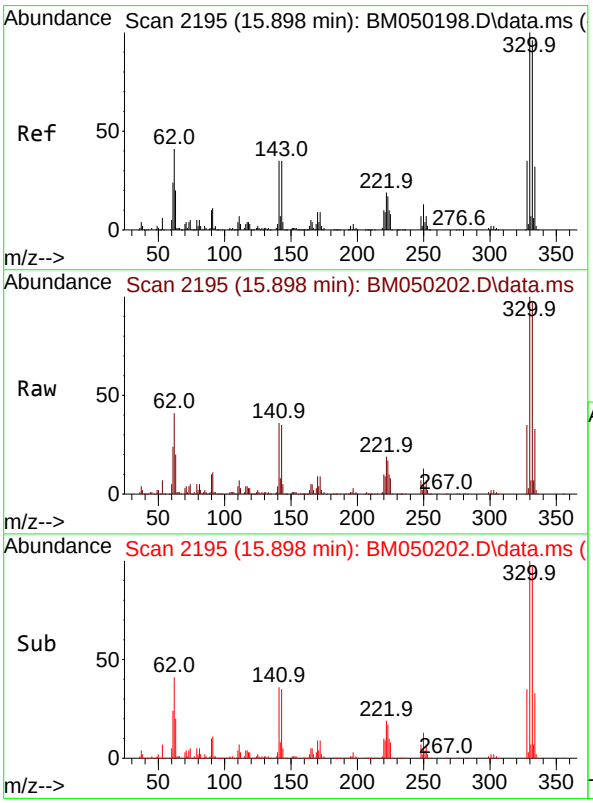
Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.6	84.6
272	13.1	0.0	33.1



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

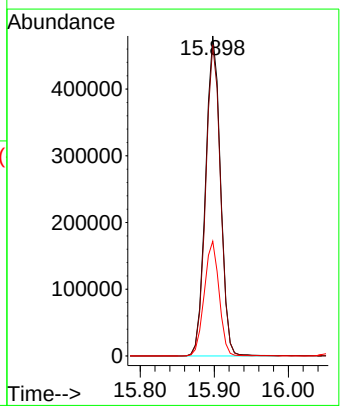
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

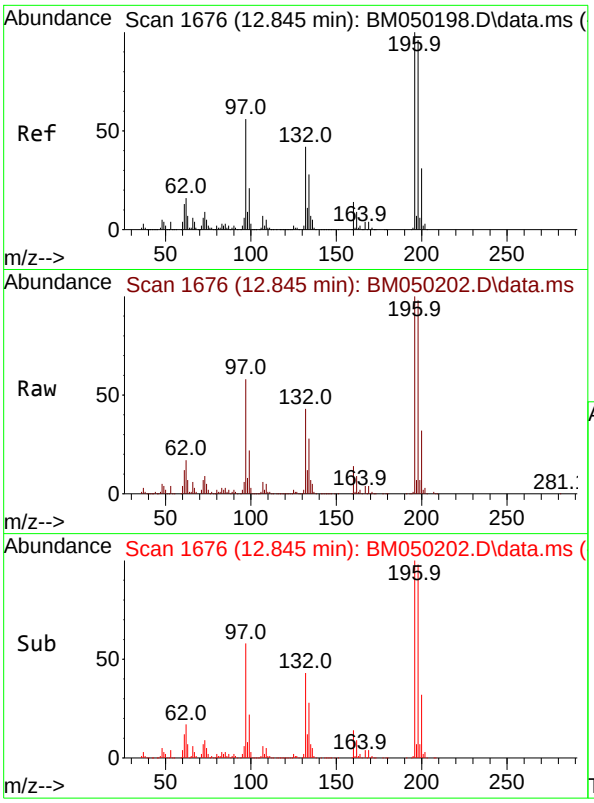


#42
2,4,6-Tribromophenol
Concen: 71.554 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:330 Resp: 671004

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.5	116.3
141	35.6	28.8	43.2

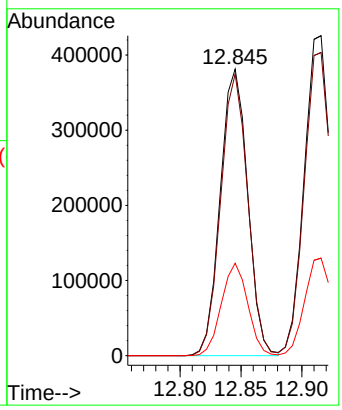




#43
2,4,6-Trichlorophenol
Concen: 38.255 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:196 Resp: 59890

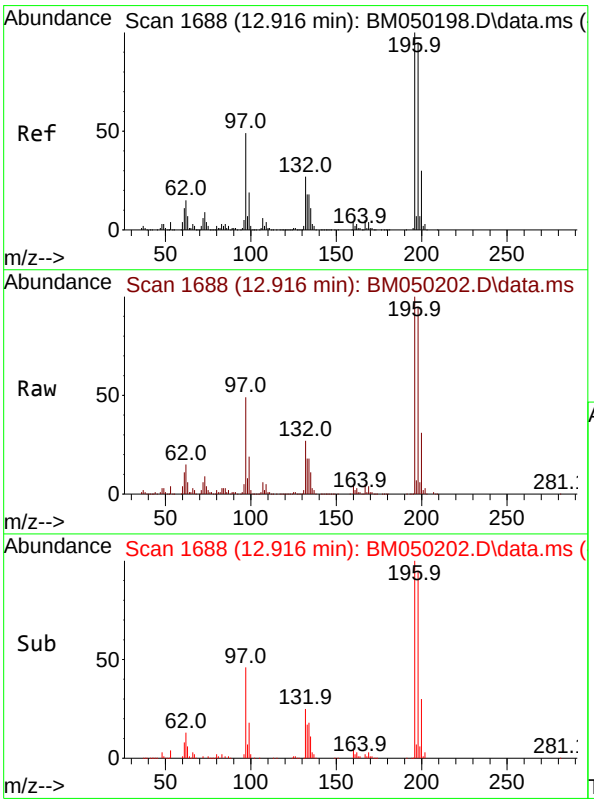
Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	32.3	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

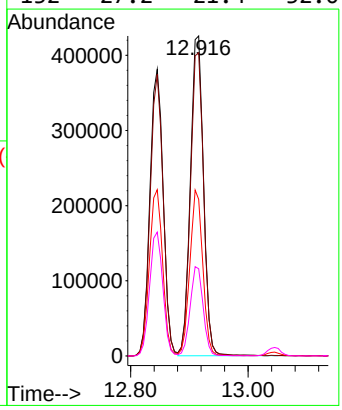
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

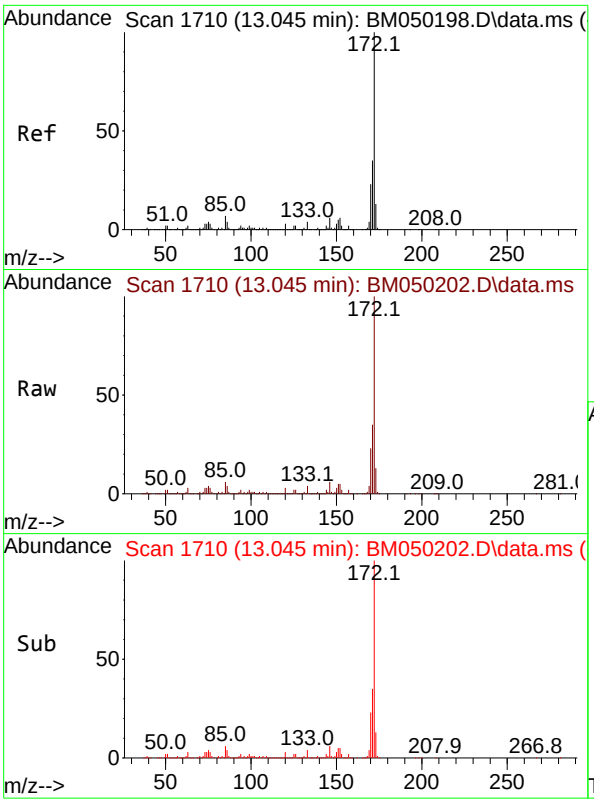


#44
2,4,5-Trichlorophenol
Concen: 38.297 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:196 Resp: 658288

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.1	114.1
97	49.0	39.3	58.9
132	27.2	21.4	32.0

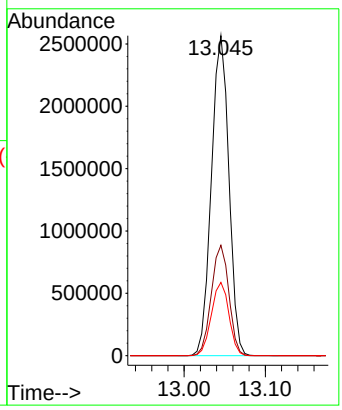




#45
2-Fluorobiphenyl
Concen: 63.026 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:172 Resp: 383807

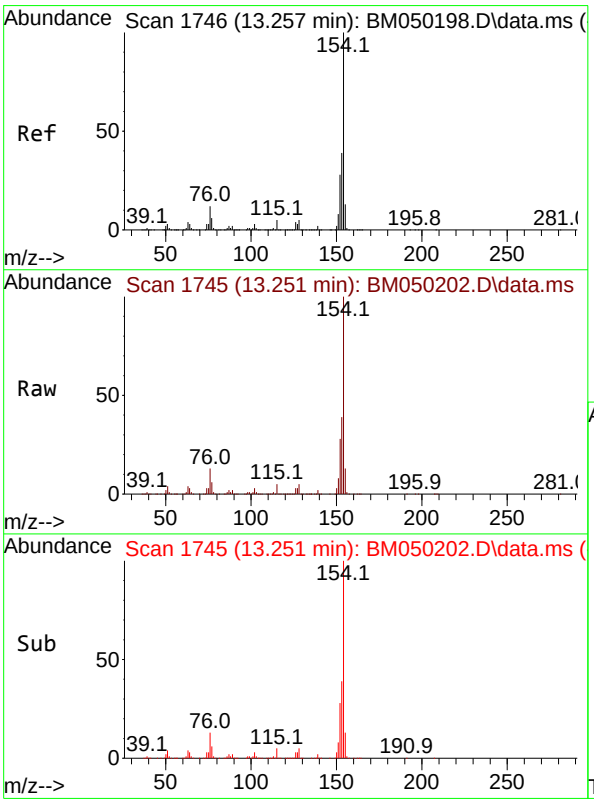
Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.9	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

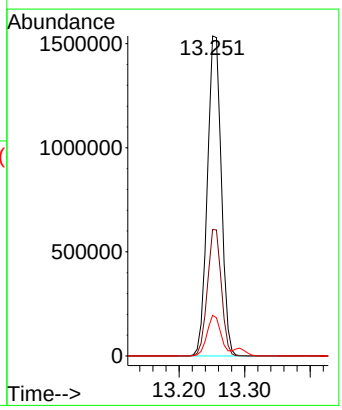
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

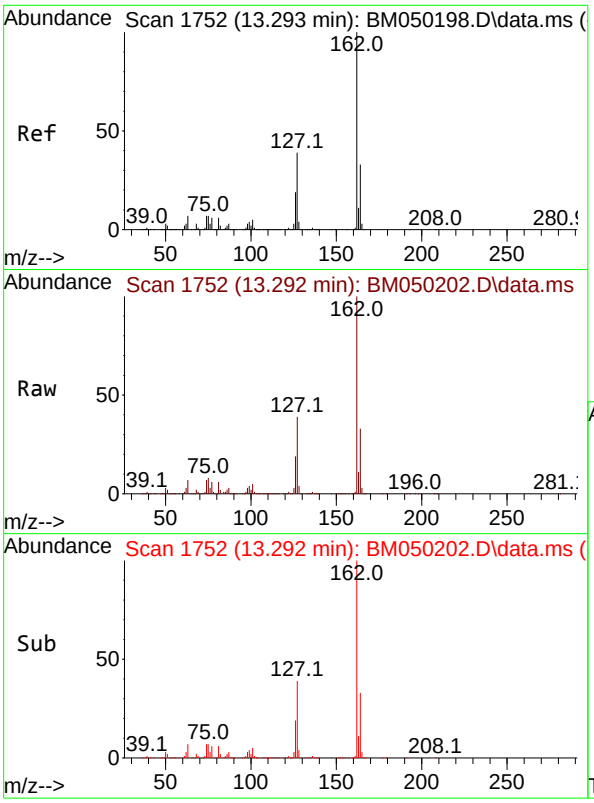


#46
1,1'-Biphenyl
Concen: 36.765 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:154 Resp: 2269641

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.2	59.2
76	12.7	0.0	32.0

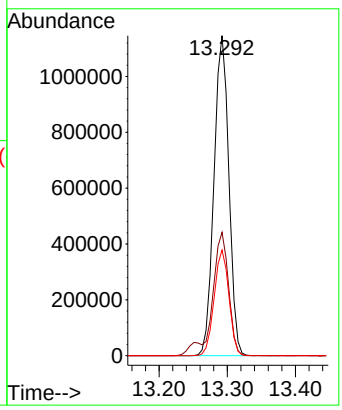




#47
2-Chloronaphthalene
Concen: 36.269 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:162 Resp: 174070

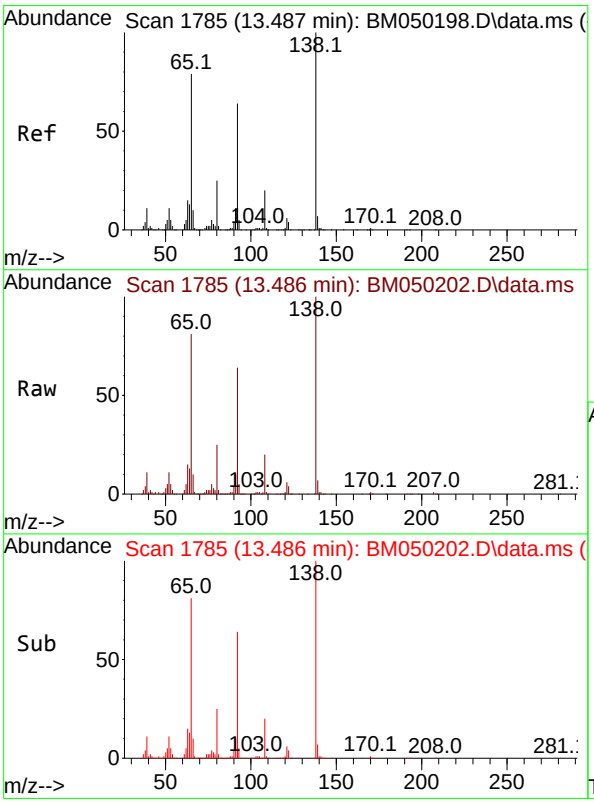
Ion	Ratio	Lower	Upper
162	100		
127	38.5	31.1	46.7
164	33.0	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

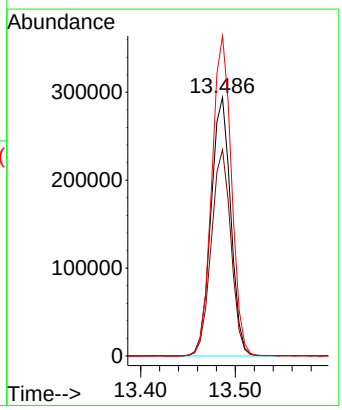
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

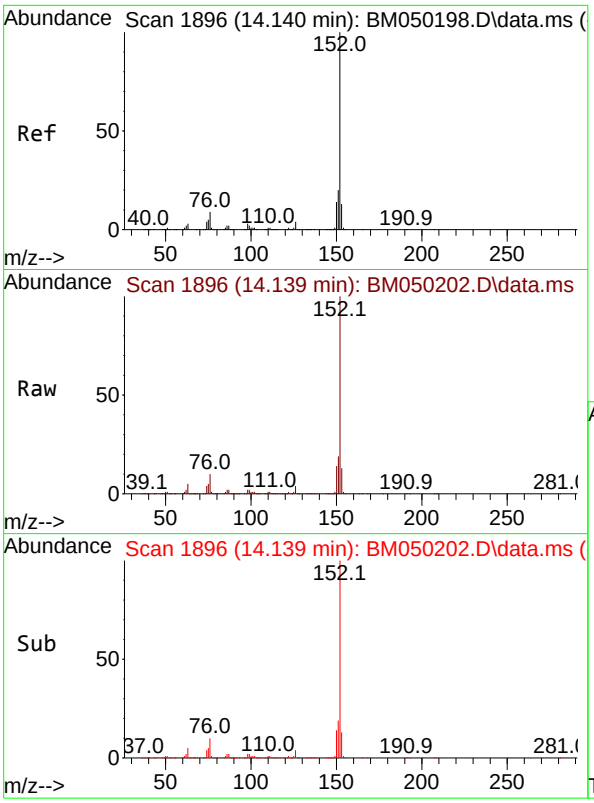


#48
2-Nitroaniline
Concen: 40.253 ng
RT: 13.486 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 65 Resp: 425146

Ion	Ratio	Lower	Upper
65	100		
92	79.8	64.2	96.4
138	123.8	101.0	151.4

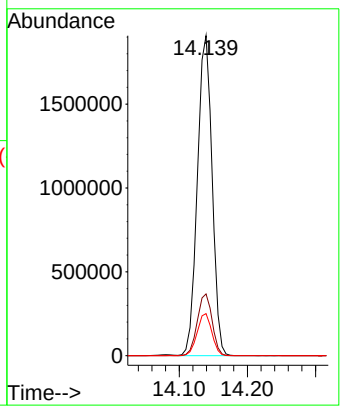




#49
Acenaphthylene
Concen: 36.877 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:152 Resp: 286268

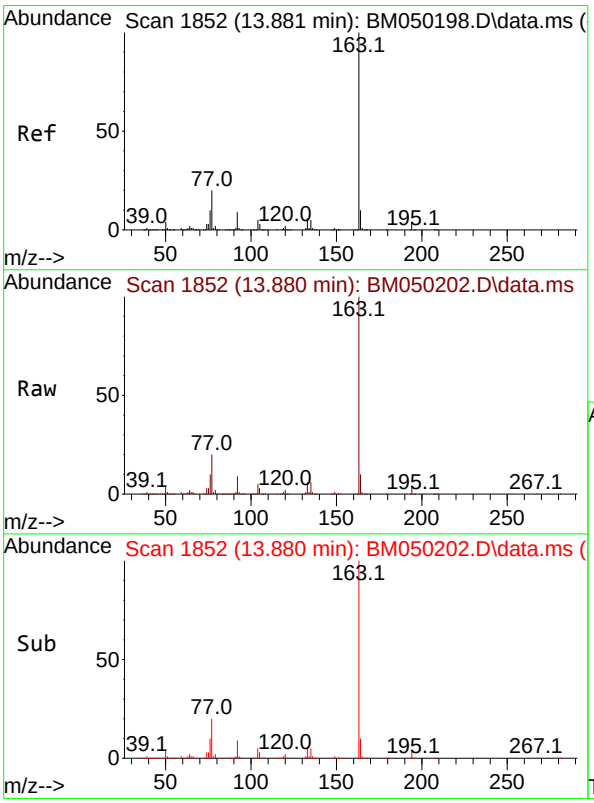
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

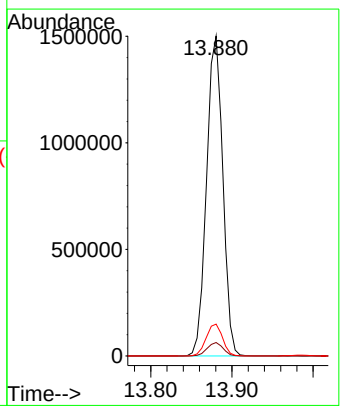
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

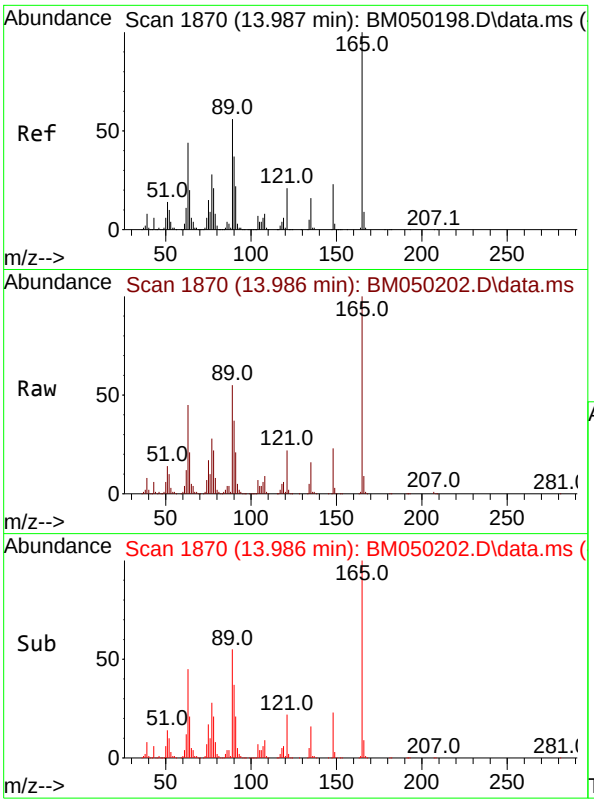


#50
Dimethylphthalate
Concen: 37.379 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:163 Resp: 2084186

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 39.718 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

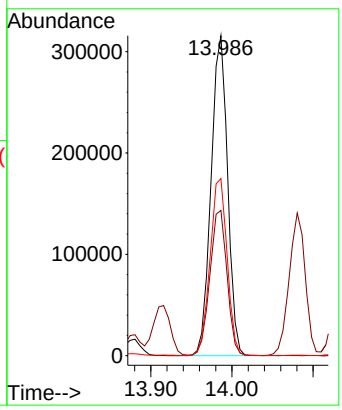
Tgt Ion:165 Resp: 44660

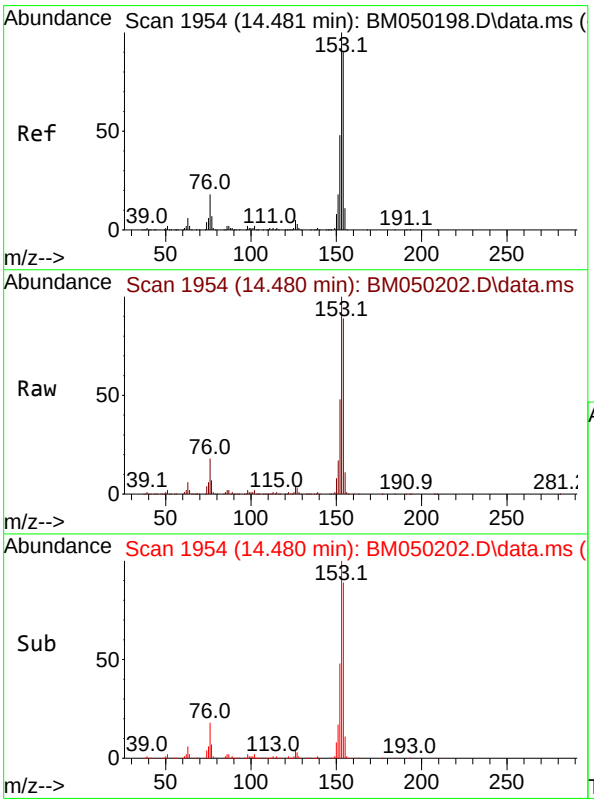
Ion	Ratio	Lower	Upper
165	100		
63	45.4	35.8	53.6
89	55.3	44.8	67.2

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

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

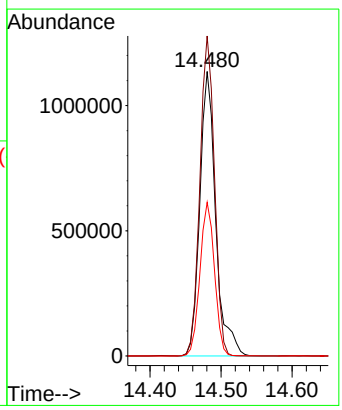


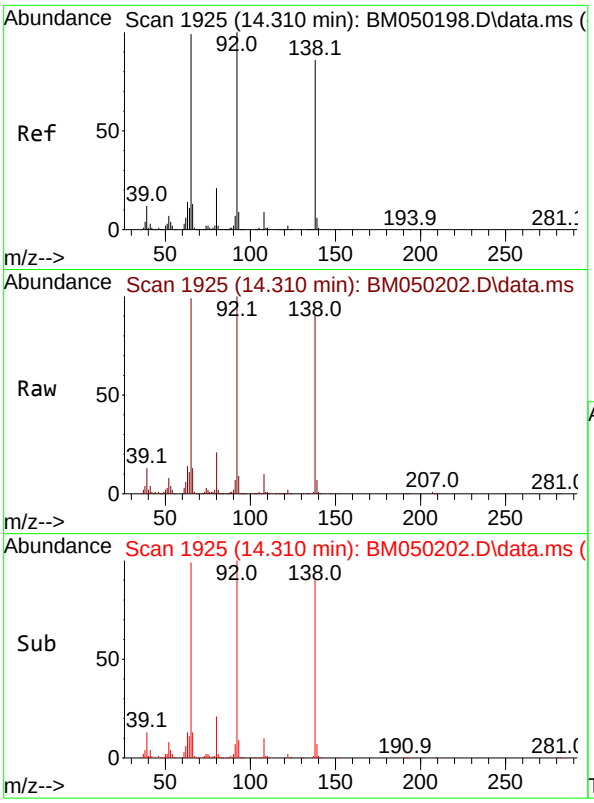


#52
Acenaphthene
Concen: 36.444 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:154 Resp: 1769507

Ion	Ratio	Lower	Upper
154	100		
153	112.5	88.7	133.1
152	54.0	42.6	63.8

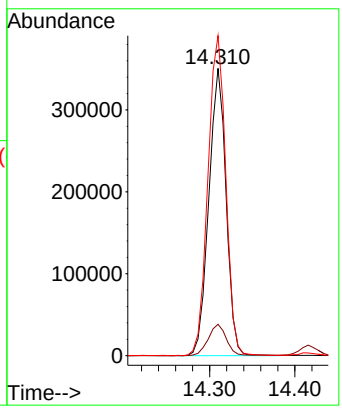




#53
3-Nitroaniline
Concen: 39.347 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:138 Resp: 49309

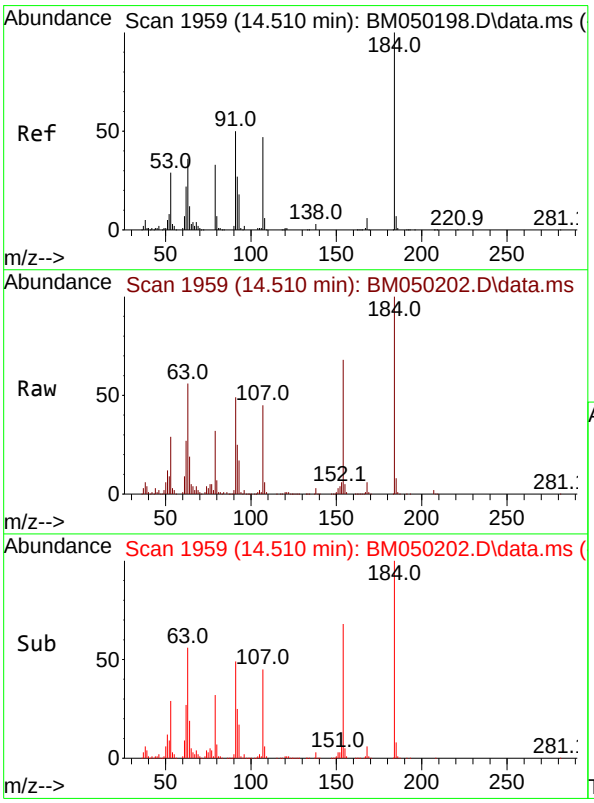
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	111.4	92.9	139.3



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

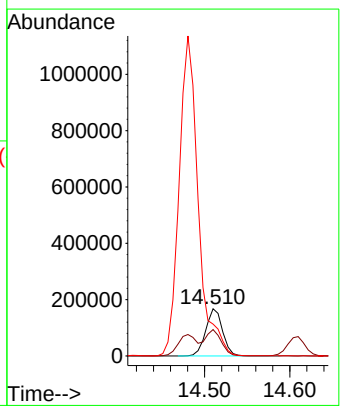
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

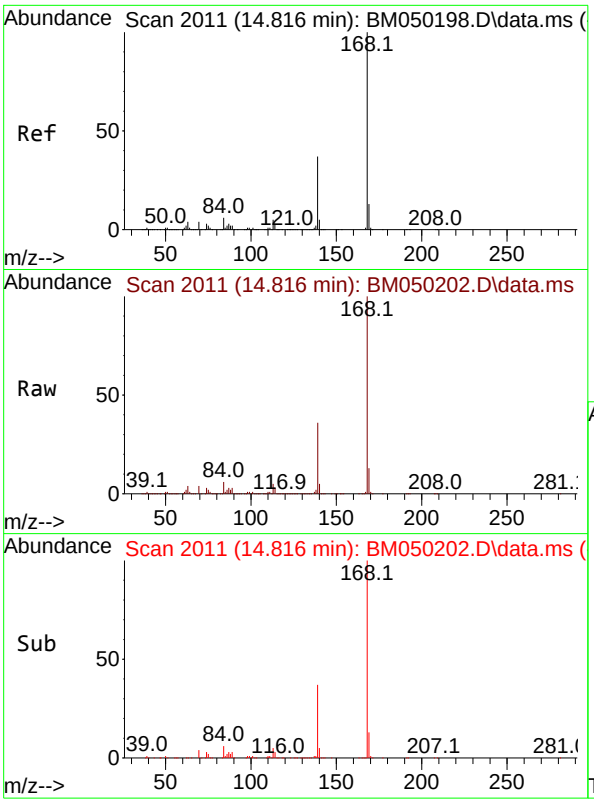


#54
2,4-Dinitrophenol
Concen: 34.596 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:184 Resp: 228596

Ion	Ratio	Lower	Upper
184	100		
63	56.0	45.3	67.9
154	67.7	54.3	81.5

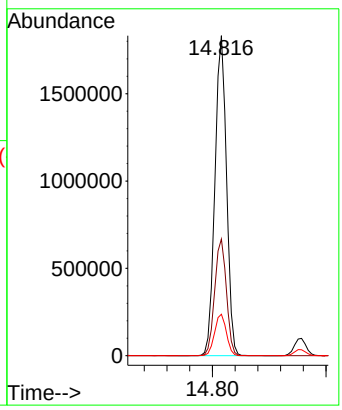




#55
Dibenzofuran
Concen: 36.397 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:168 Resp: 258545

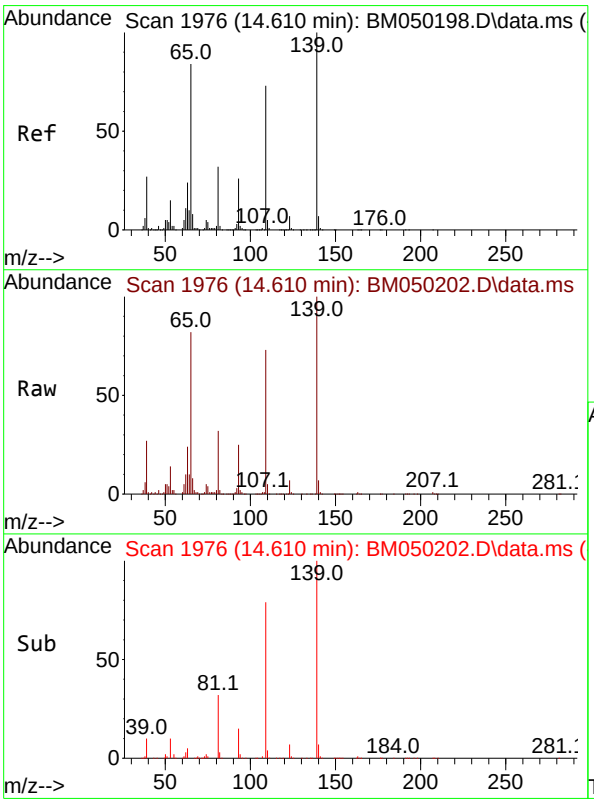
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.9	44.9
169	12.9	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations APPROVED

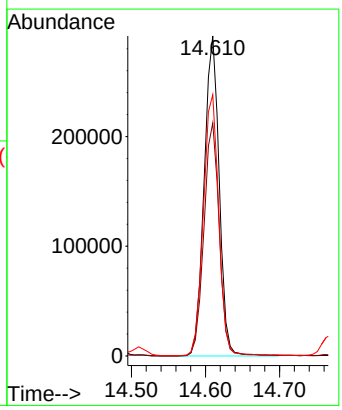
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

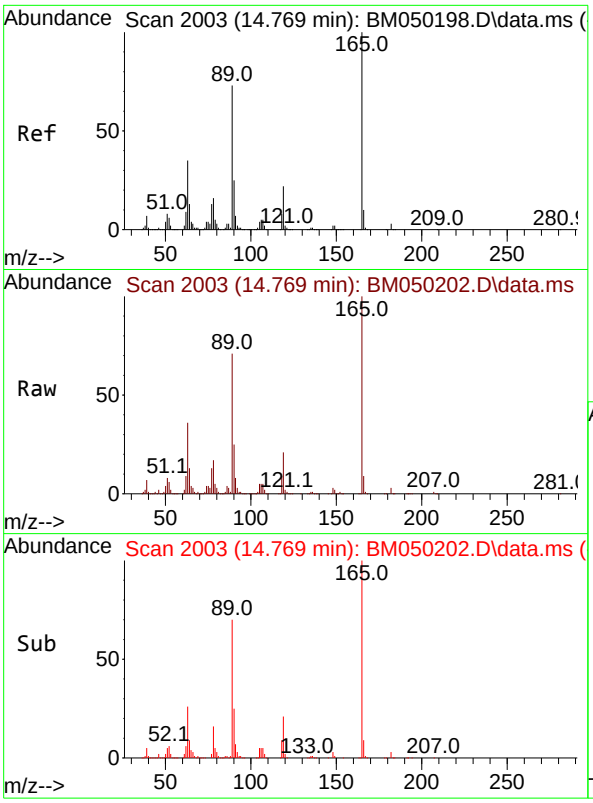


#56
4-Nitrophenol
Concen: 38.588 ng
RT: 14.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:139 Resp: 411593

Ion	Ratio	Lower	Upper
139	100		
109	72.8	52.6	92.6
65	81.6	64.3	104.3

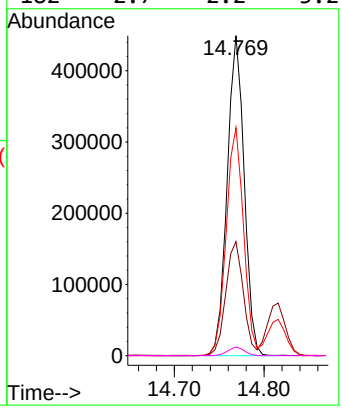




#57
2,4-Dinitrotoluene
Concen: 39.946 ng
RT: 14.769 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:165 Resp: 59252

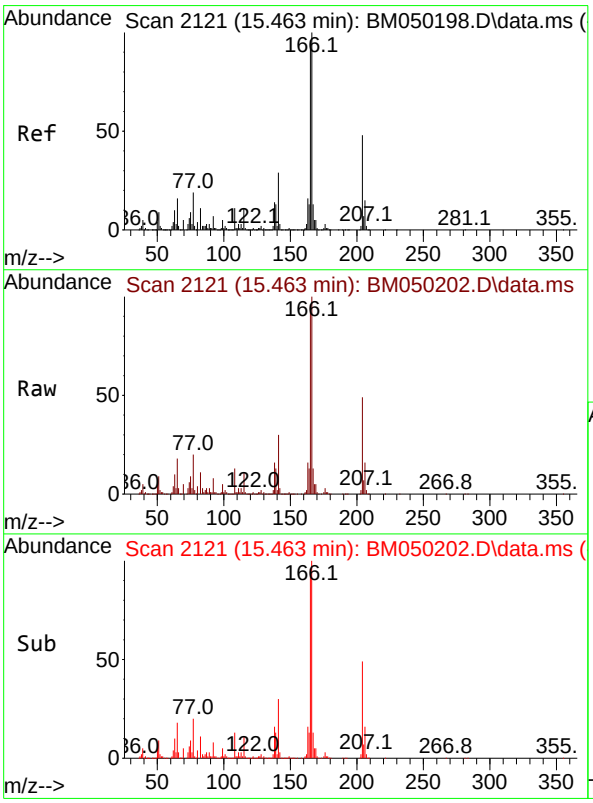
Ion	Ratio	Lower	Upper
165	100		
63	35.6	28.4	42.6
89	71.3	58.0	87.0
182	2.7	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

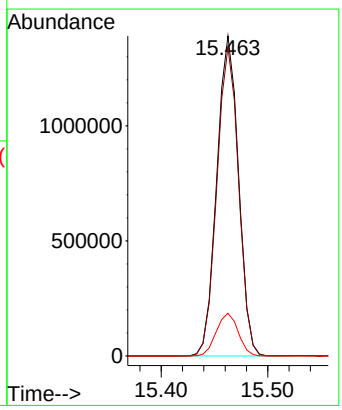
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

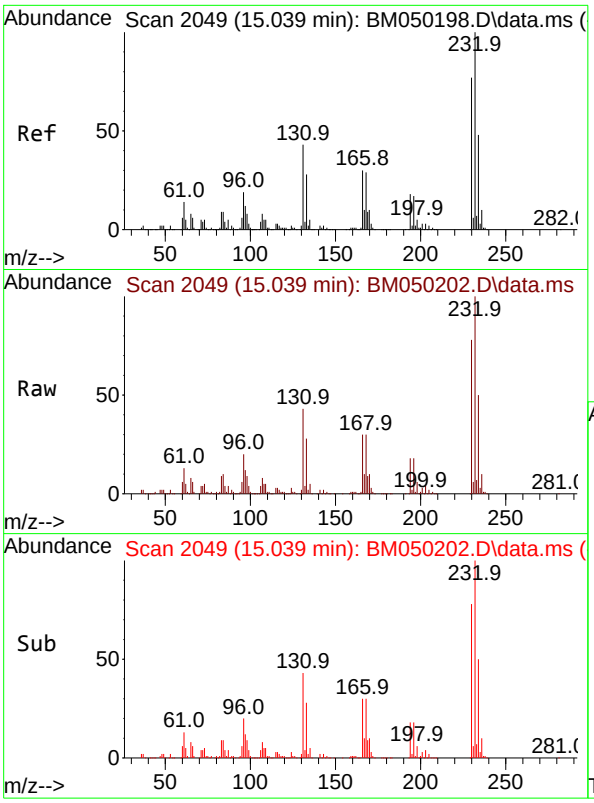


#58
Fluorene
Concen: 36.130 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:166 Resp: 1965747

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.0	115.4
167	13.3	10.7	16.1

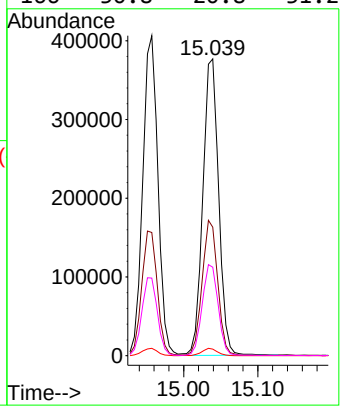




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.508 ng
RT: 15.039 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:232 Resp: 55782

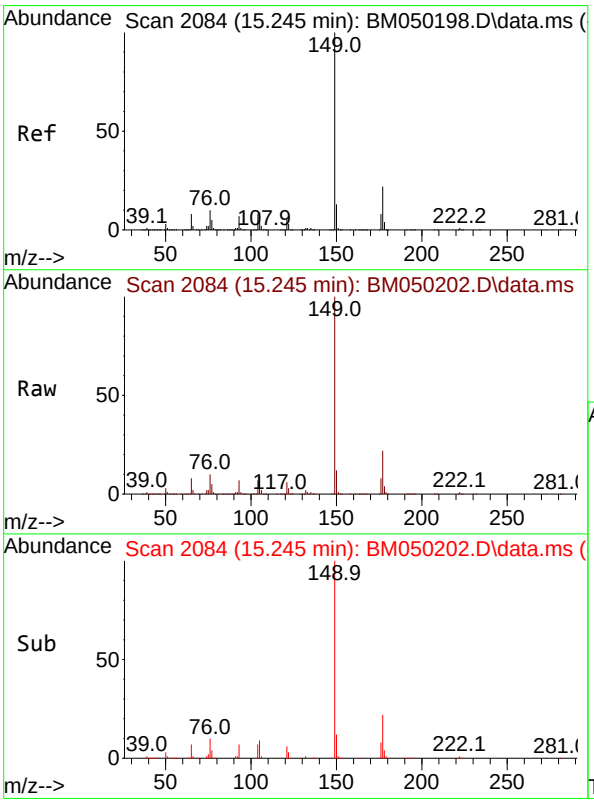
Ion	Ratio	Lower	Upper
232	100		
131	44.8	32.9	49.3
130	2.4	1.8	2.8
166	30.8	20.8	31.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

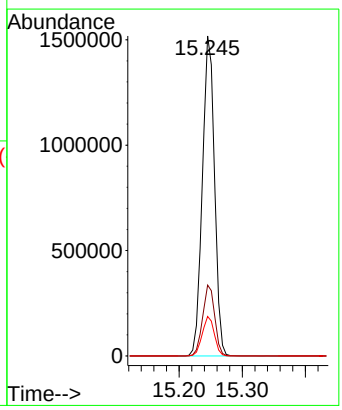
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

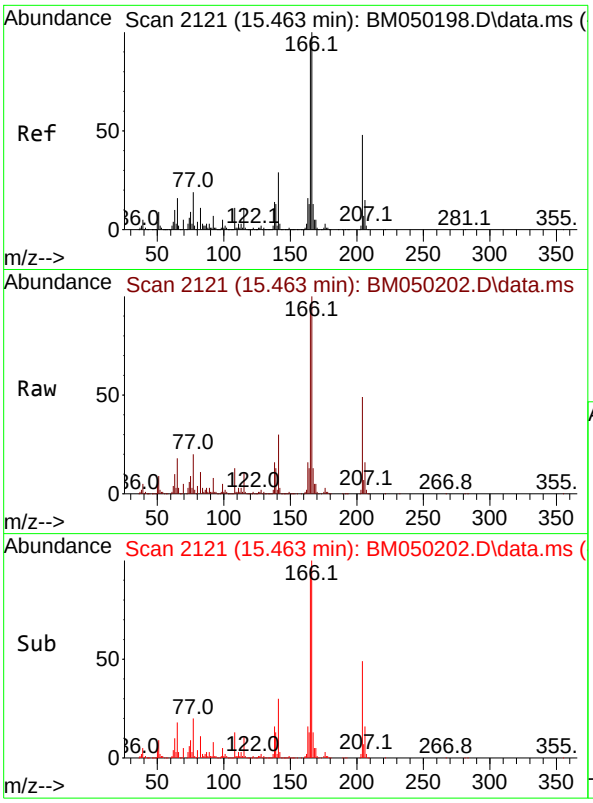


#60
Diethylphthalate
Concen: 36.717 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:149 Resp: 2031289

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.2	25.8
150	12.4	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.132 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

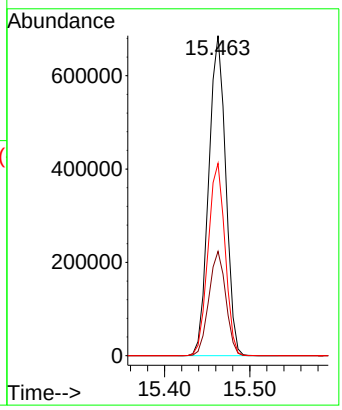
Tgt Ion:204 Resp: 95009

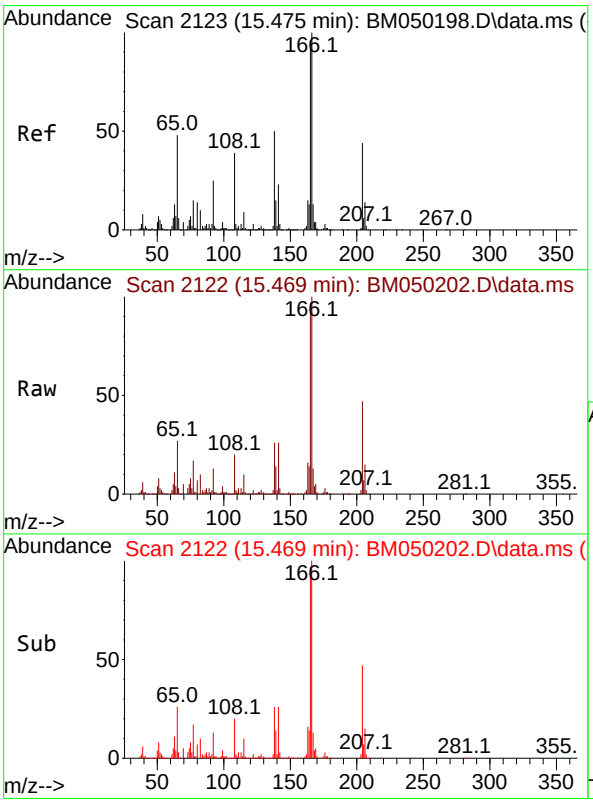
Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.4	38.0
141	60.1	47.9	71.9

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

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

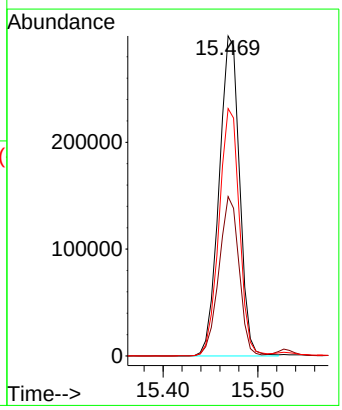


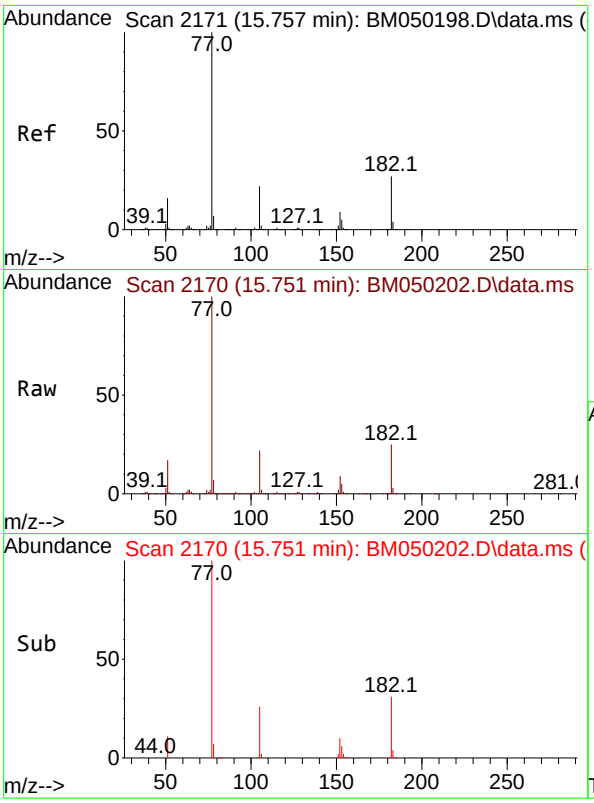


#62
4-Nitroaniline
Concen: 38.283 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:138 Resp: 449658

Ion	Ratio	Lower	Upper
138	100		
92	49.8	28.8	68.8
108	77.3	58.1	98.1

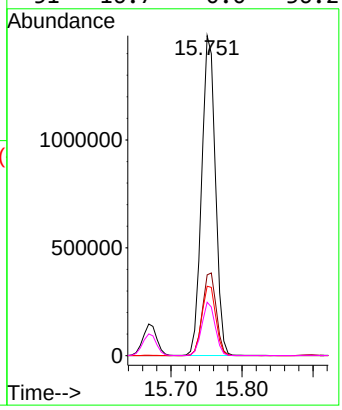




#63
Azobenzene
Concen: 36.142 ng
RT: 15.751 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion: 77 Resp: 199848

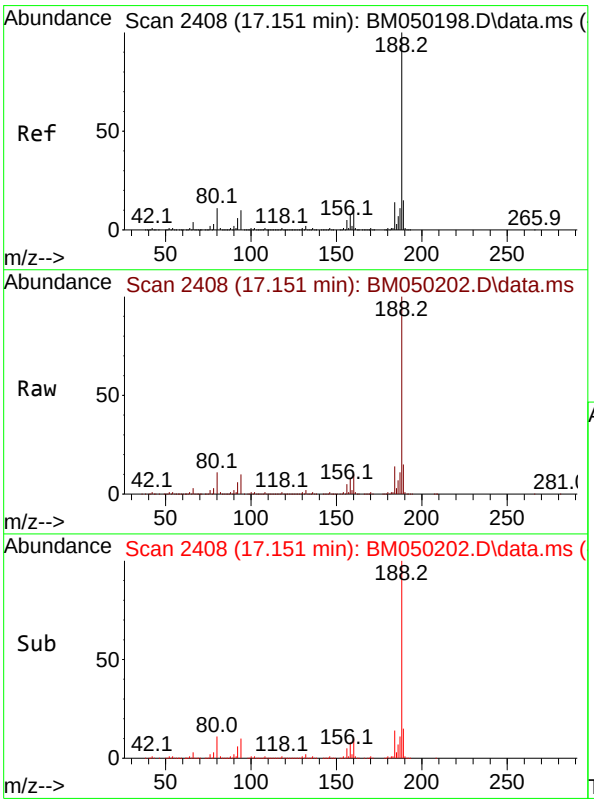
Ion	Ratio	Lower	Upper
77	100		
182	25.2	6.8	46.8
105	21.7	1.7	41.7
51	16.7	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

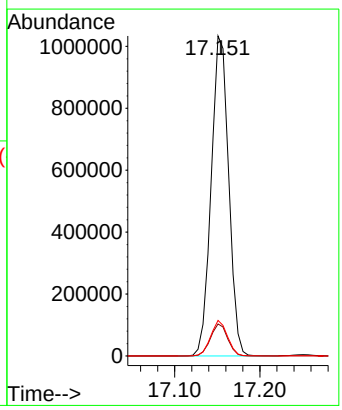
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

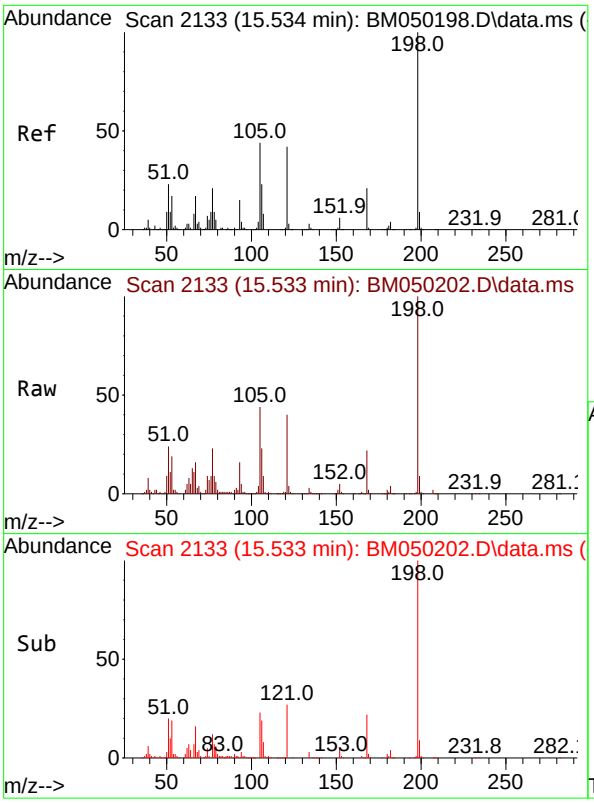


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:188 Resp: 1474581

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	11.1	8.6	13.0

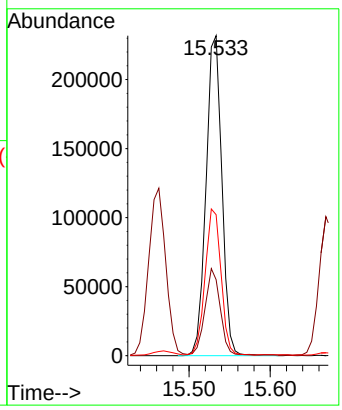




#65
4,6-Dinitro-2-methylphenol
Concen: 38.808 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:198 Resp: 31255

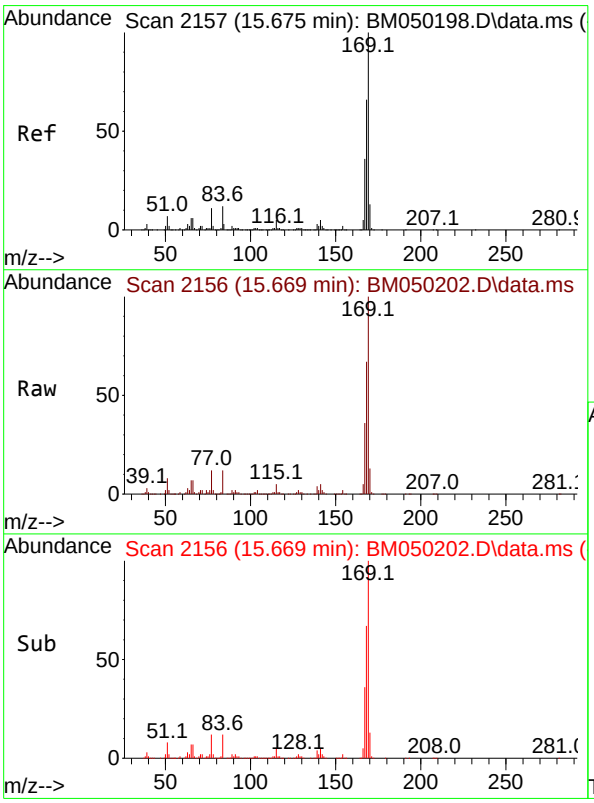
Ion	Ratio	Lower	Upper
198	100		
51	23.8	4.5	44.5
105	44.1	24.9	64.9



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

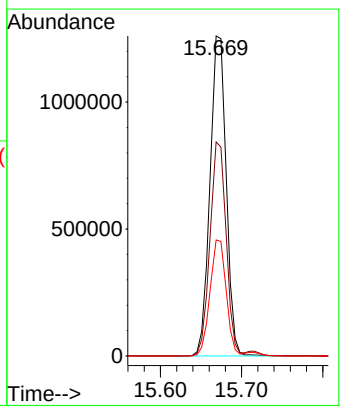
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

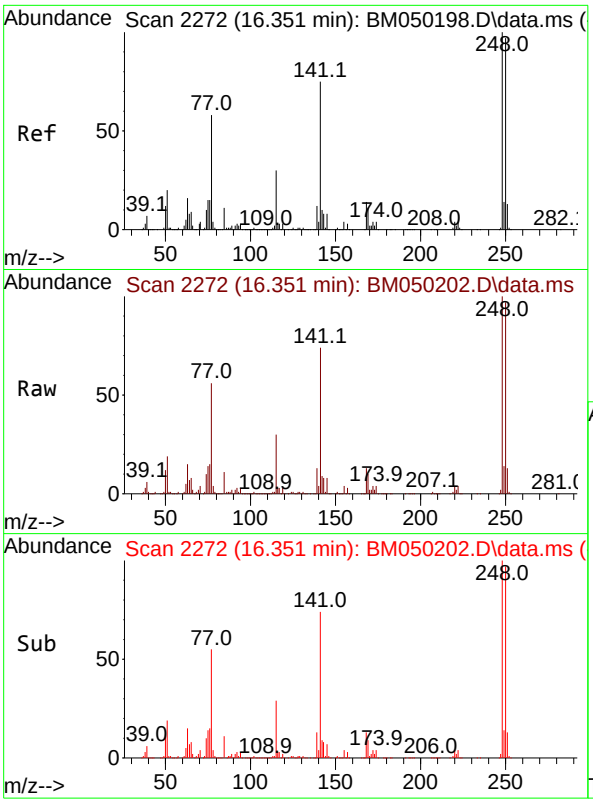


#66
n-Nitrosodiphenylamine
Concen: 37.727 ng
RT: 15.669 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:169 Resp: 1747981

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.1	79.7
167	36.2	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 38.453 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

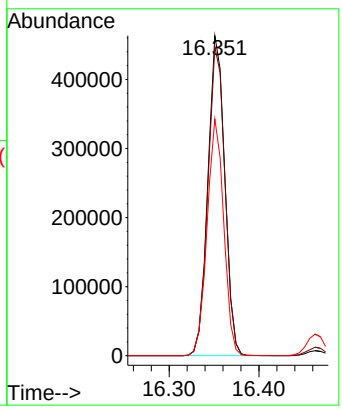
Tgt Ion:248 Resp: 60466

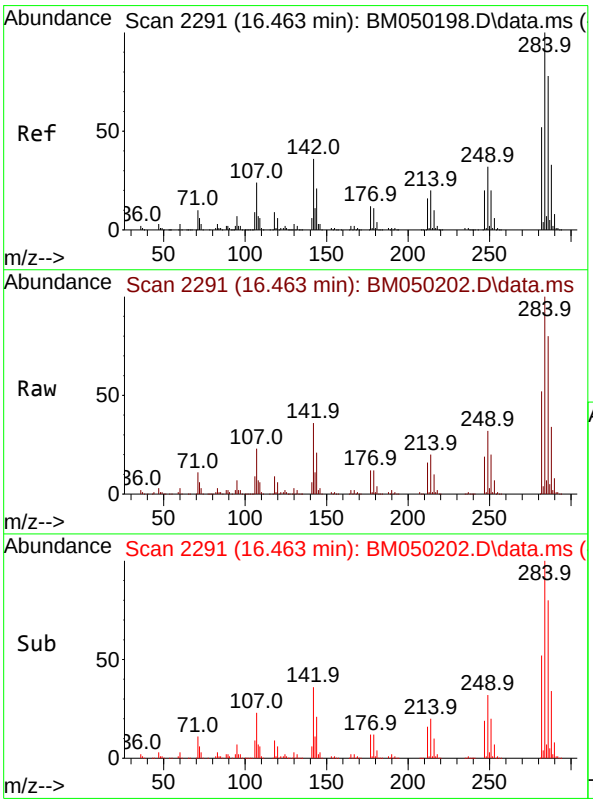
Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.0	117.0
141	73.9	60.1	90.1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

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

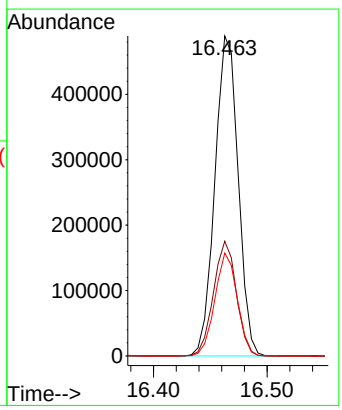


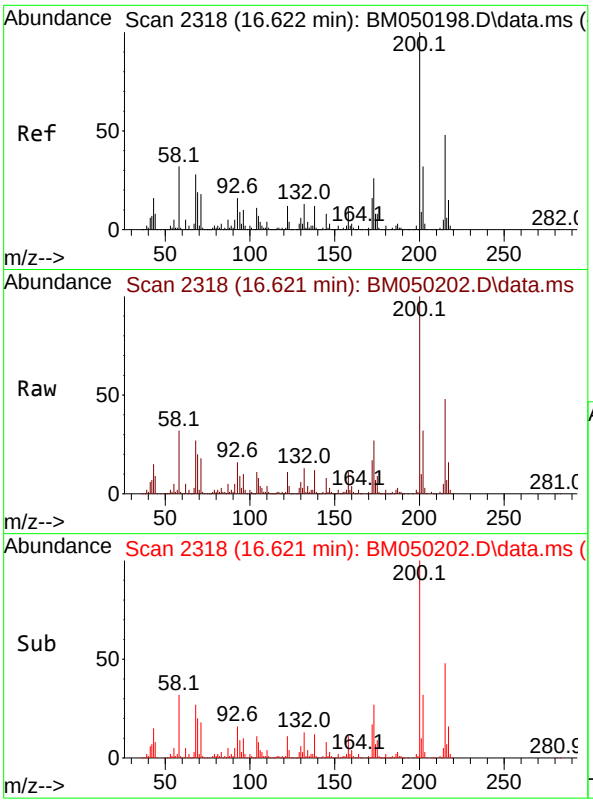


#68
Hexachlorobenzene
Concen: 37.911 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:284 Resp: 696502

Ion	Ratio	Lower	Upper
284	100		
142	35.8	28.8	43.2
249	32.1	25.8	38.6

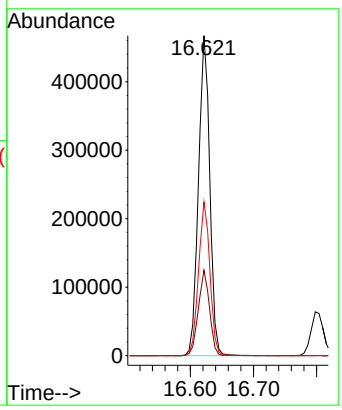




#69
Atrazine
Concen: 39.186 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:200 Resp: 57849

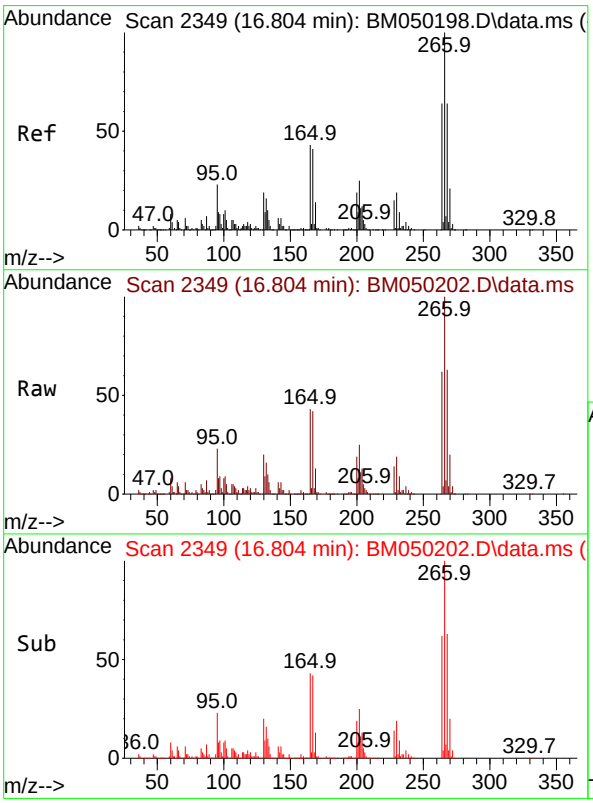
Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.0	46.0
215	48.0	28.1	68.1



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

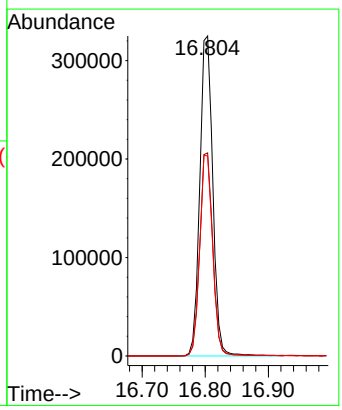
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

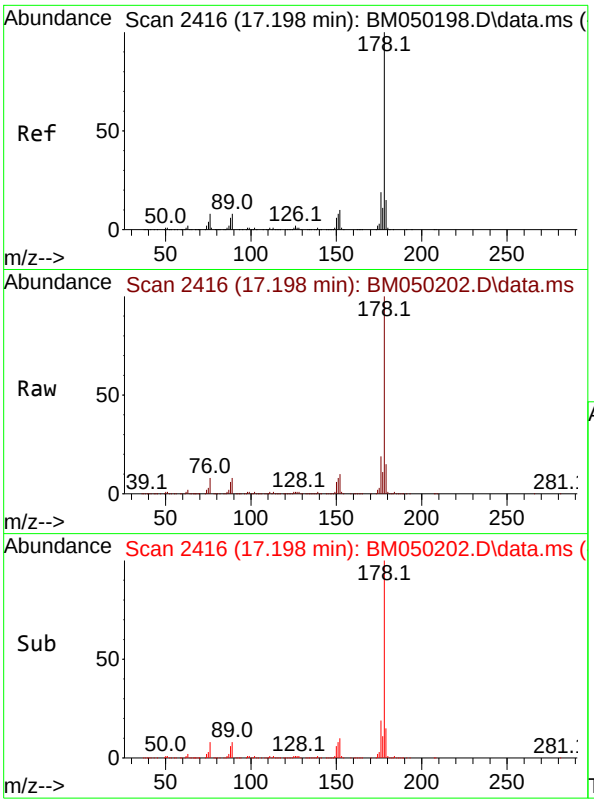


#70
Pentachlorophenol
Concen: 38.925 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:266 Resp: 464946

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.0	76.6
264	62.5	50.8	76.2





#71
Phenanthrene
Concen: 36.170 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

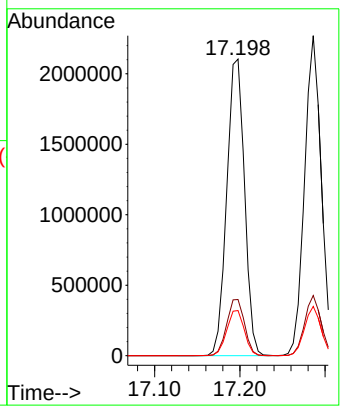
Tgt Ion:178 Resp: 304686

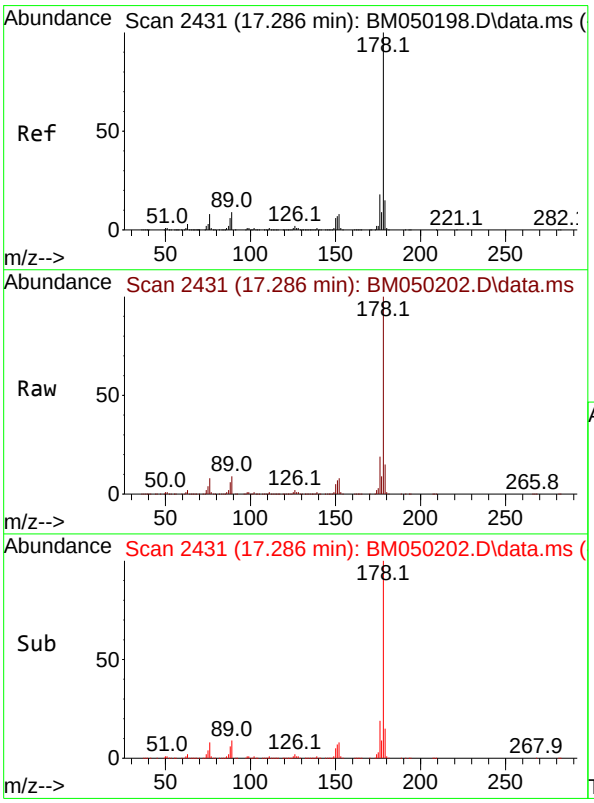
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.2	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

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

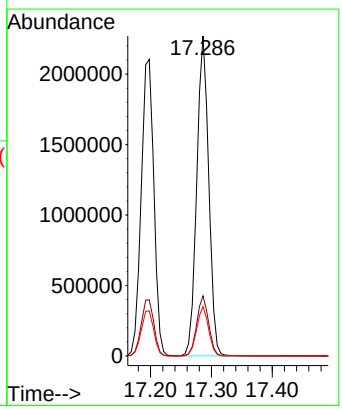


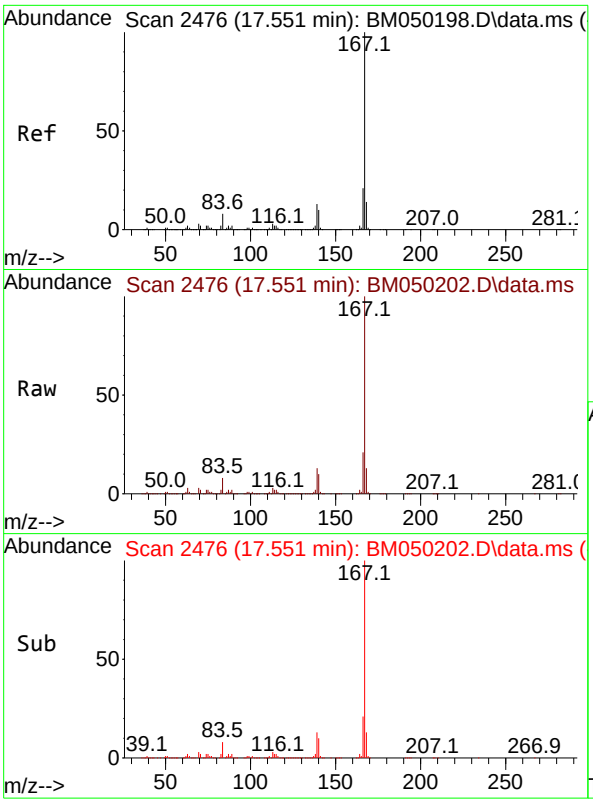


#72
Anthracene
Concen: 36.806 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:178 Resp: 3101683

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.4	12.3	18.5





#73
Carbazole
Concen: 36.195 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

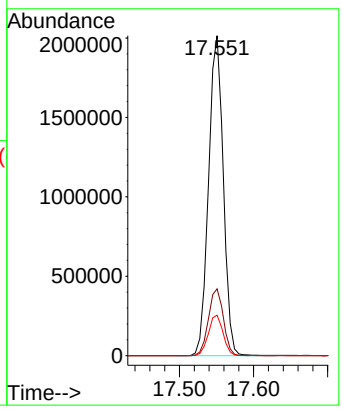
Tgt Ion:167 Resp: 277878

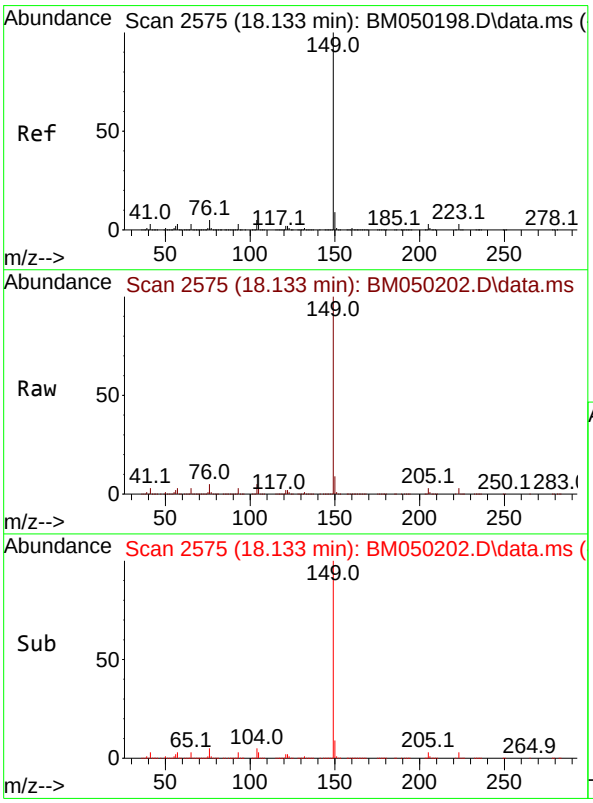
Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.6	10.2	15.4

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

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

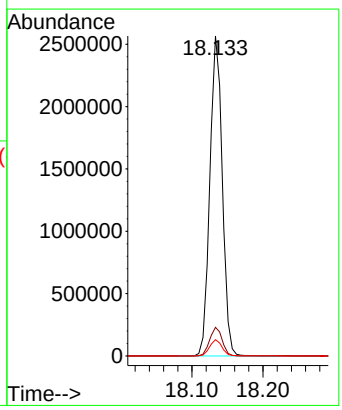


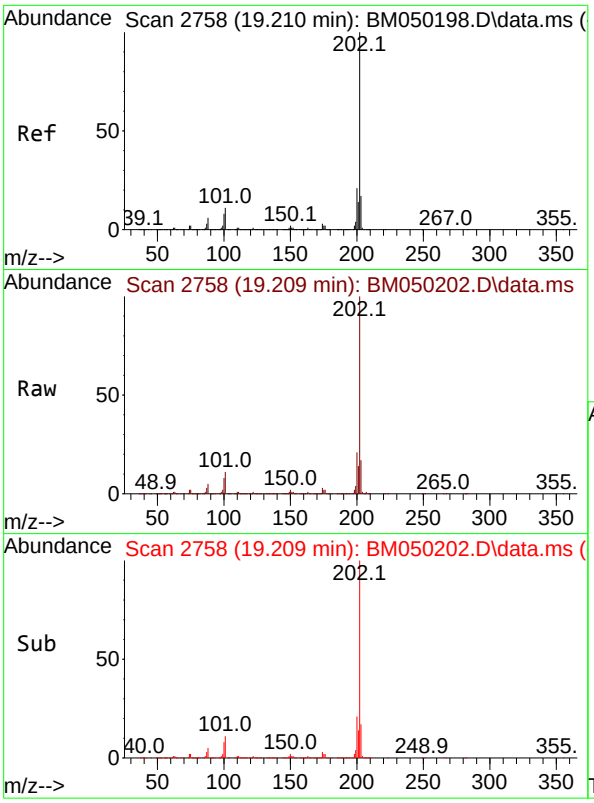


#74
Di-n-butylphthalate
Concen: 37.377 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:149 Resp: 3122305

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.1	4.0	6.0

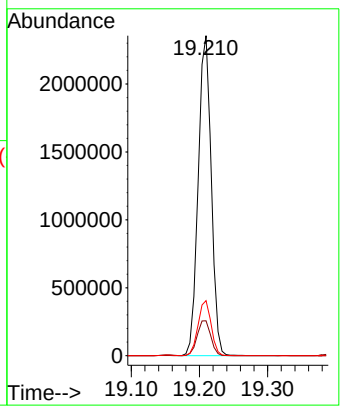




#75
Fluoranthene
Concen: 35.092 ng
RT: 19.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:202 Resp: 311738

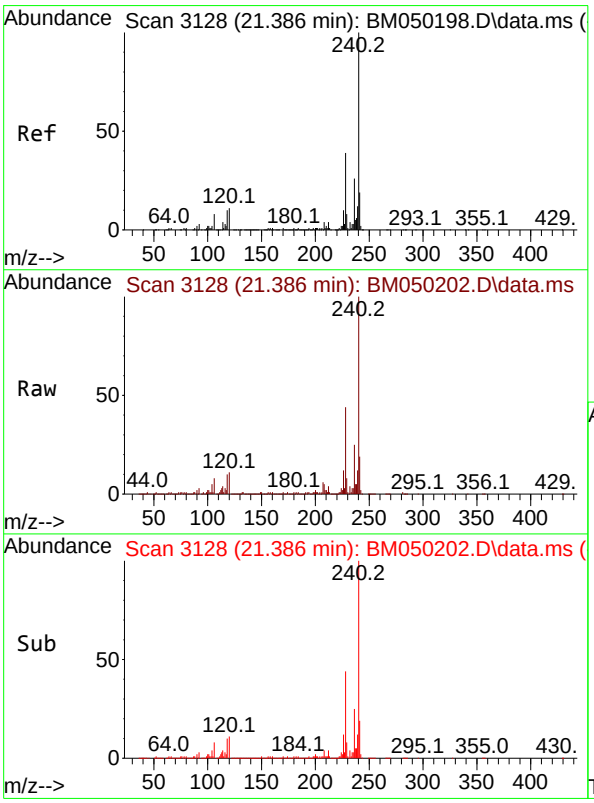
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	17.2	0.0	37.0



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

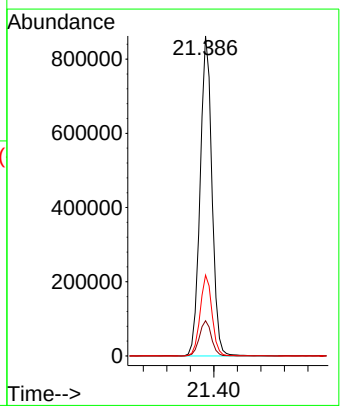
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

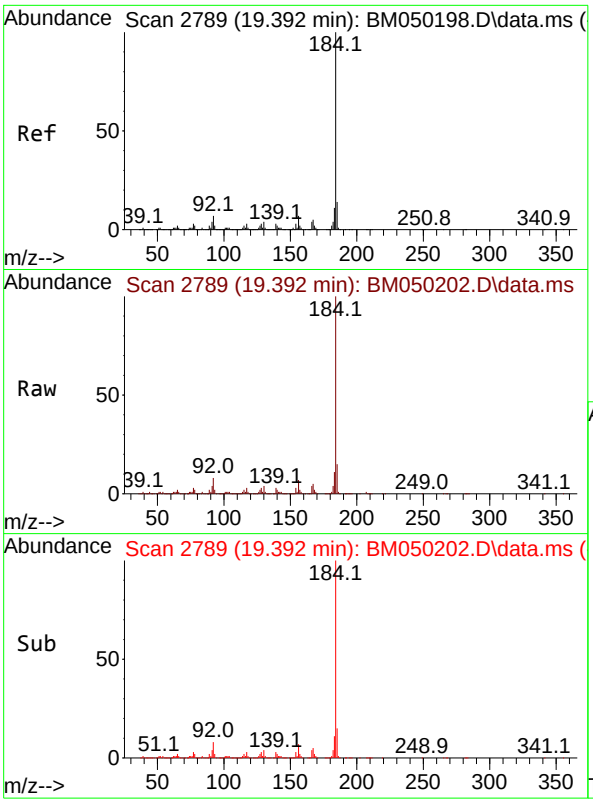


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:240 Resp: 1199833

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.0	13.4
236	25.2	20.7	31.1

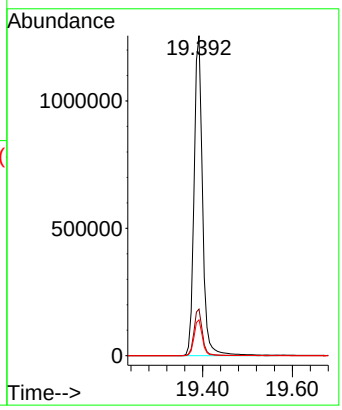




#77
Benzidine
Concen: 48.798 ng
RT: 19.392 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:184 Resp: 164645

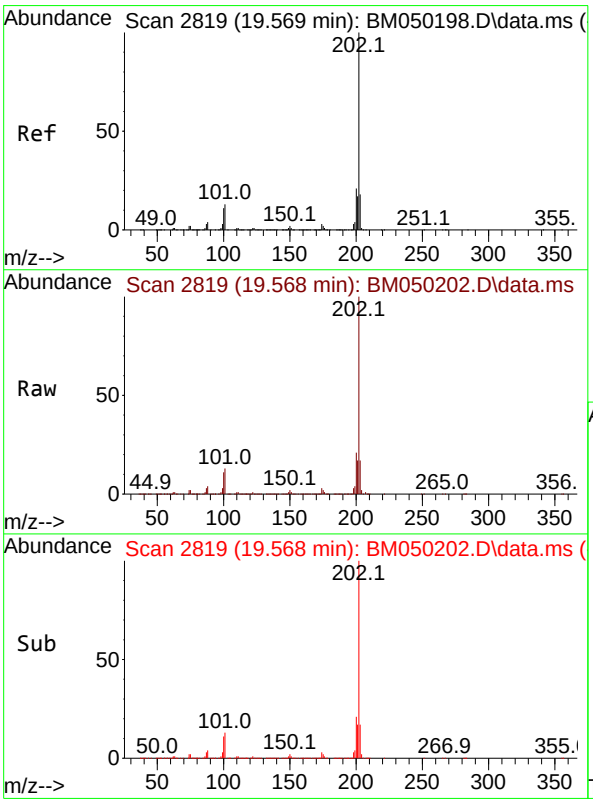
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.5	17.3
183	11.2	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

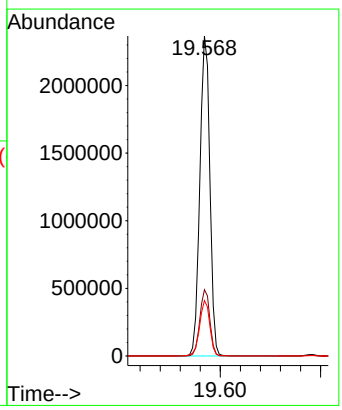
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

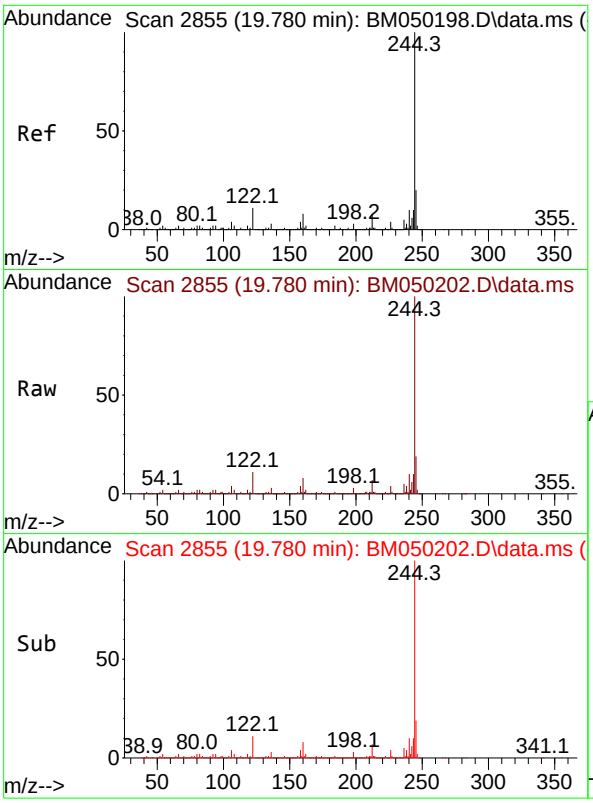


#78
Pyrene
Concen: 40.348 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:202 Resp: 3262895

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.3	14.1	21.1

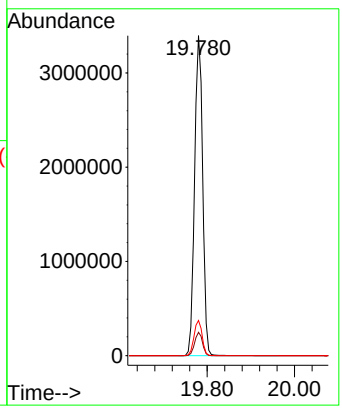




#79
Terphenyl-d14
Concen: 68.934 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:244 Resp: 436457

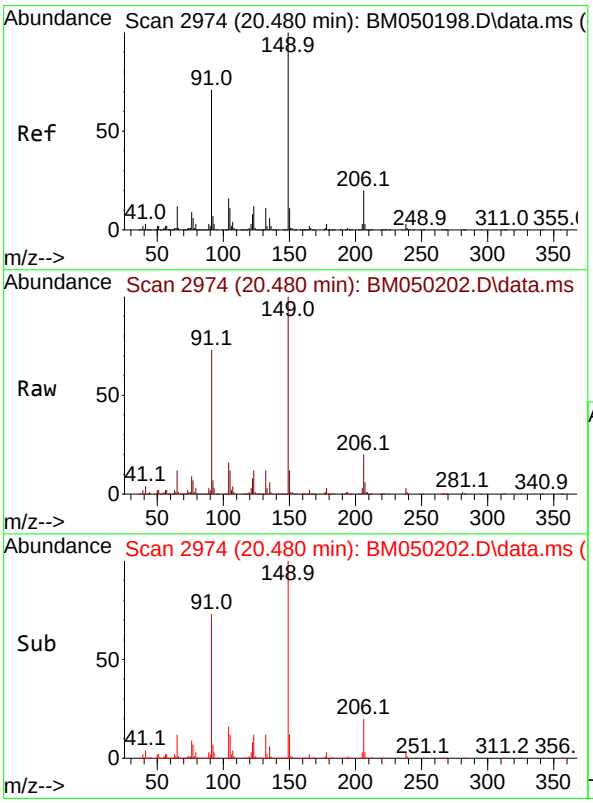
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	11.0	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

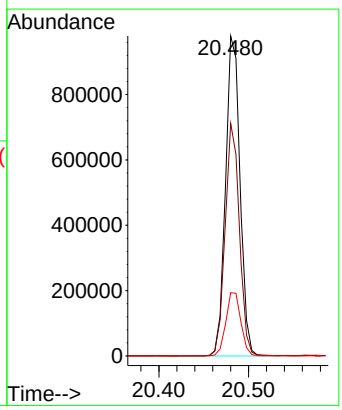
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

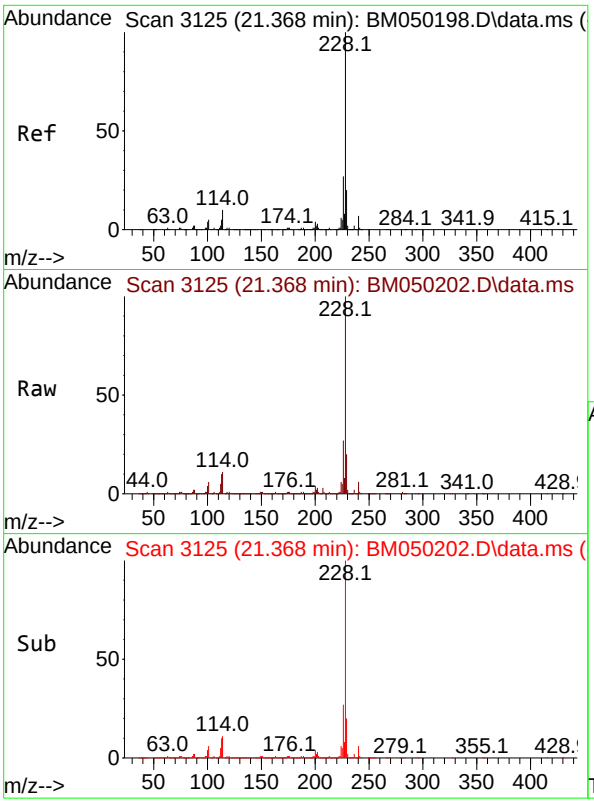


#80
Butylbenzylphthalate
Concen: 40.599 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:149 Resp: 1095153

Ion	Ratio	Lower	Upper
149	100		
91	72.7	56.9	85.3
206	19.8	16.1	24.1

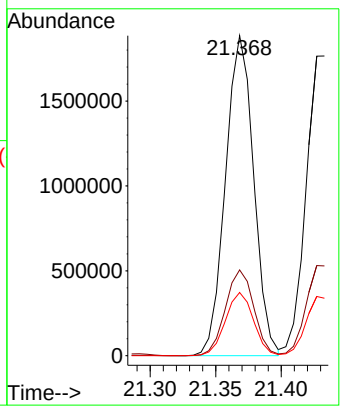




#81
Benzo(a)anthracene
Concen: 37.193 ng
RT: 21.368 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:228 Resp: 282462

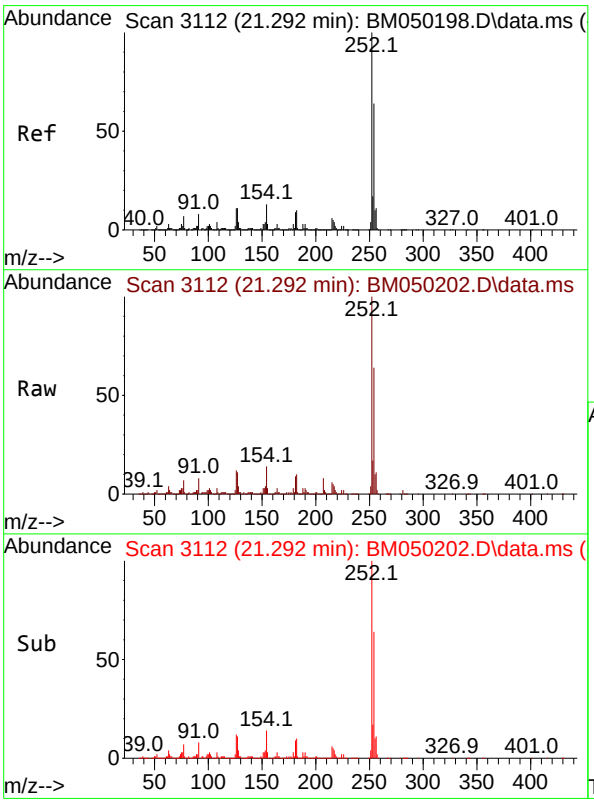
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.8	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

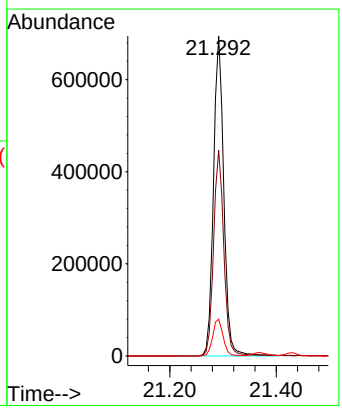
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

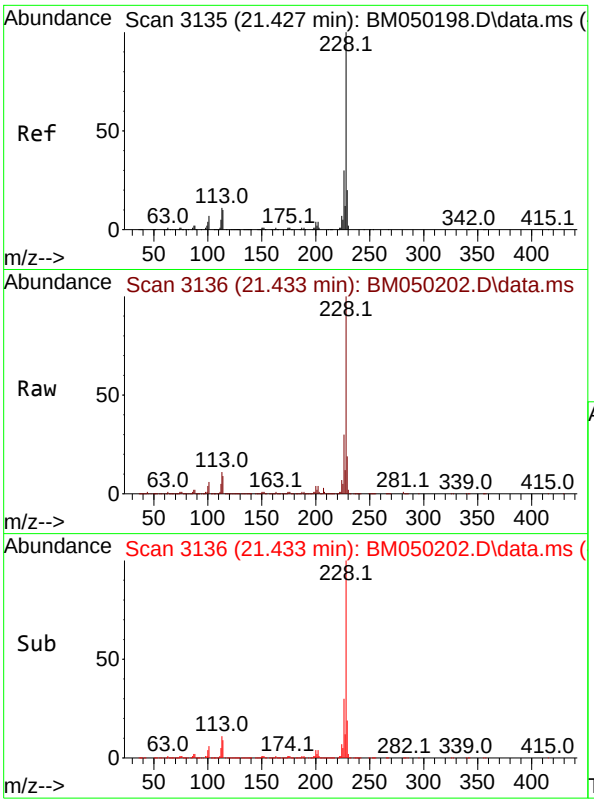


#82
3,3'-Dichlorobenzidine
Concen: 40.289 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:252 Resp: 933068

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.0
126	11.5	8.6	12.8

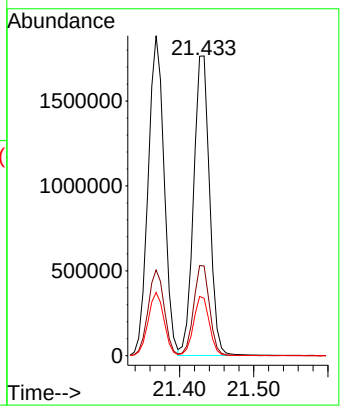




#83
Chrysene
Concen: 36.579 ng
RT: 21.433 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:228 Resp: 264248

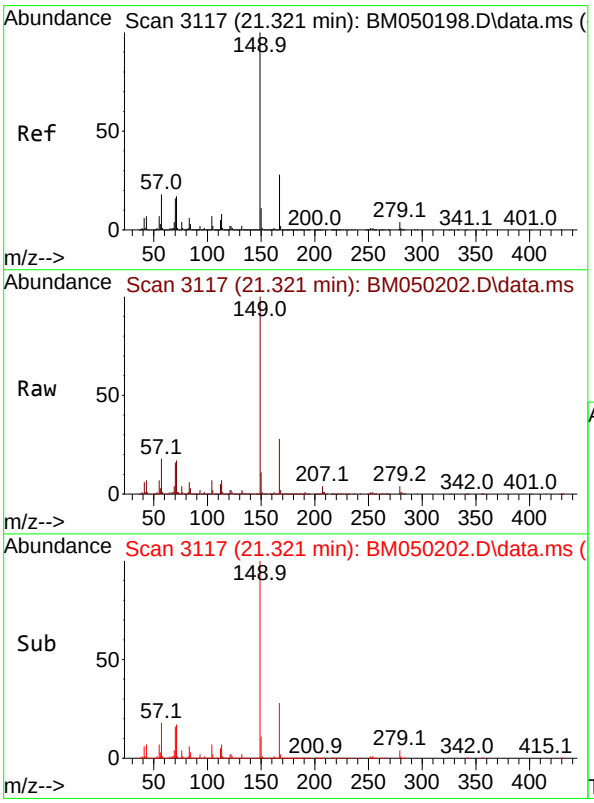
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	19.2	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

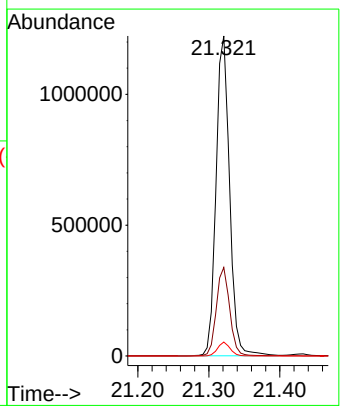
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

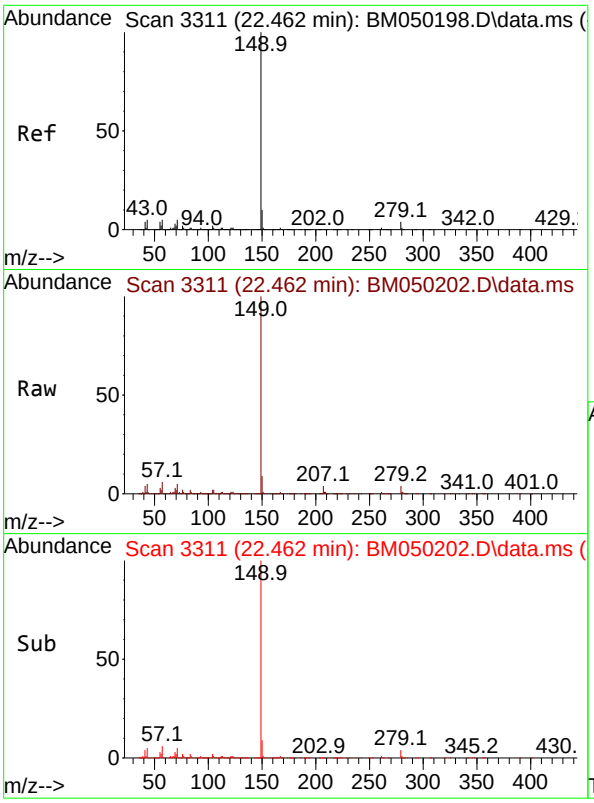


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.675 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:149 Resp: 1606973

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.4	3.5	5.3

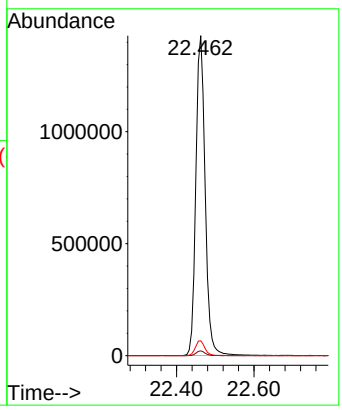




#85
Di-n-octyl phthalate
Concen: 38.642 ng
RT: 22.462 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:149 Resp: 238251

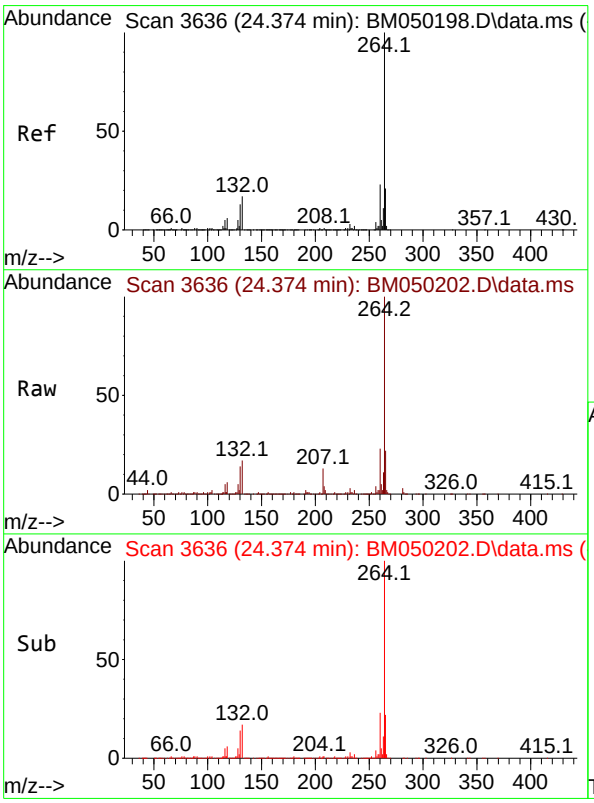
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	4.8	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

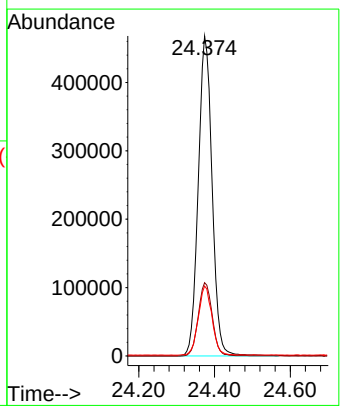
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

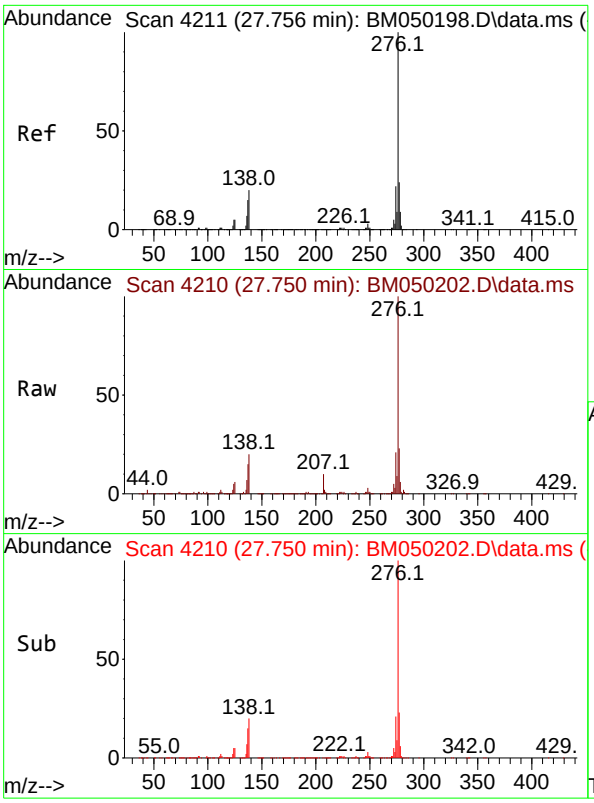


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:264 Resp: 1188981

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.8	16.8	25.2

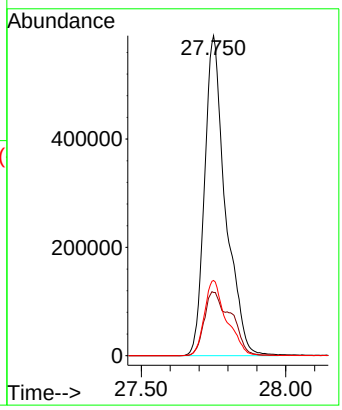




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.807 ng
RT: 27.750 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:276 Resp: 297090

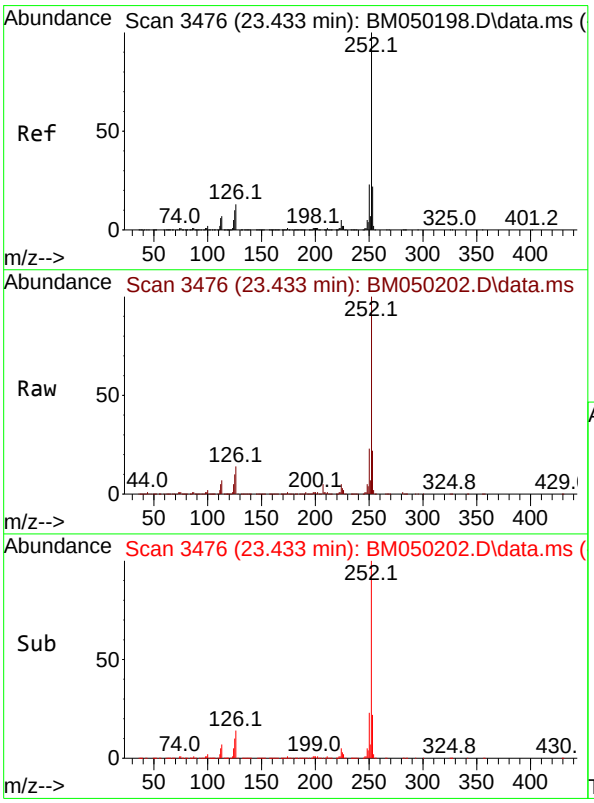
Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.6	30.8
277	24.9	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

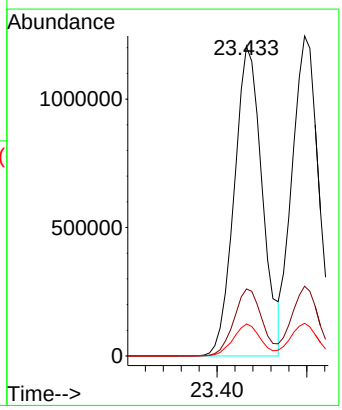
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

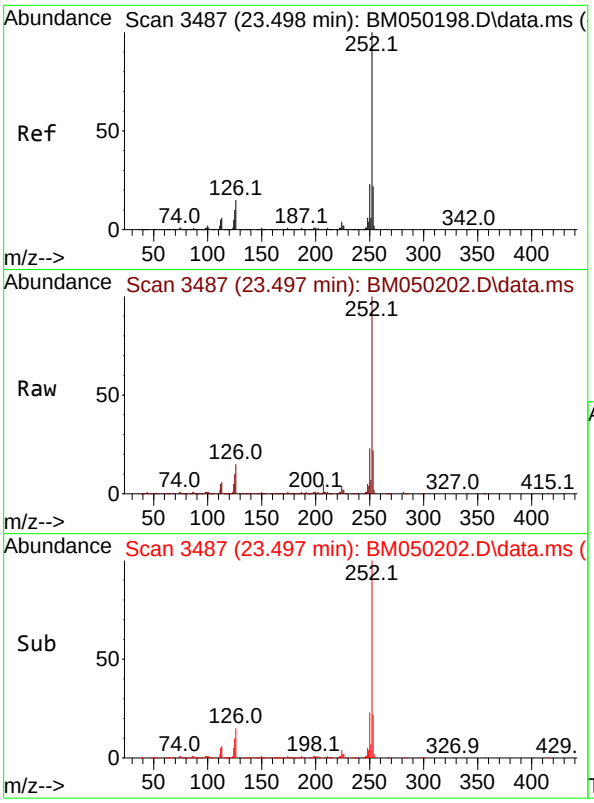


#88
Benzo(b)fluoranthene
Concen: 37.732 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:252 Resp: 2608359

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	10.3	8.2	12.4

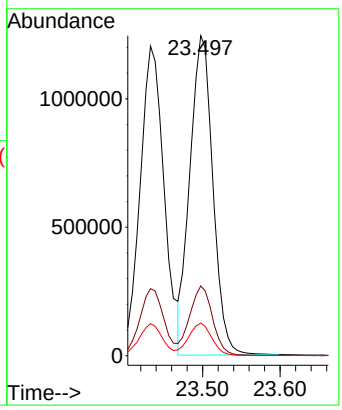




#89
Benzo(k)fluoranthene
Concen: 36.362 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:252 Resp: 256606

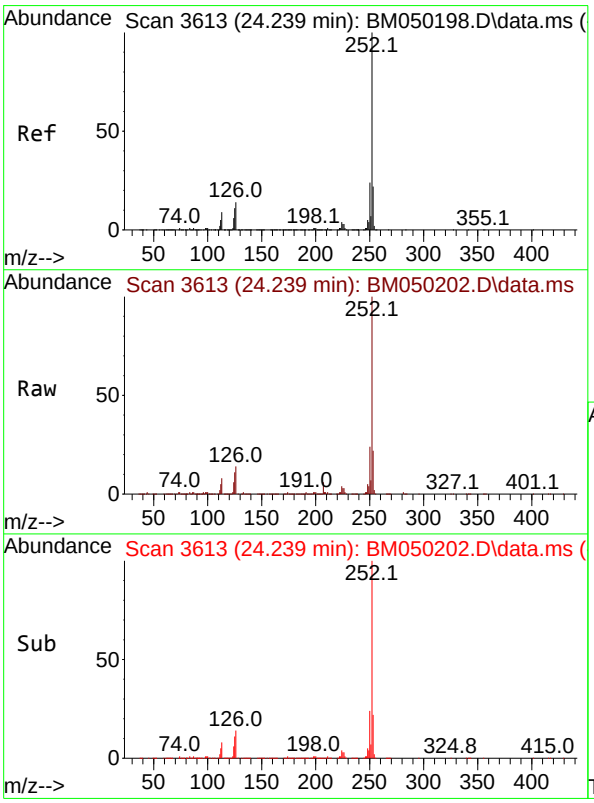
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.2	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

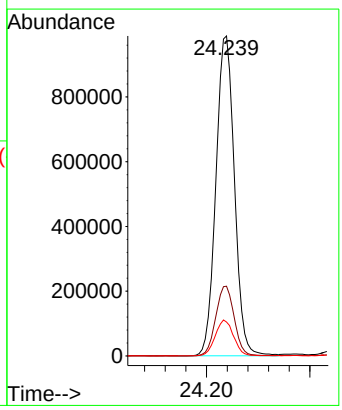
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

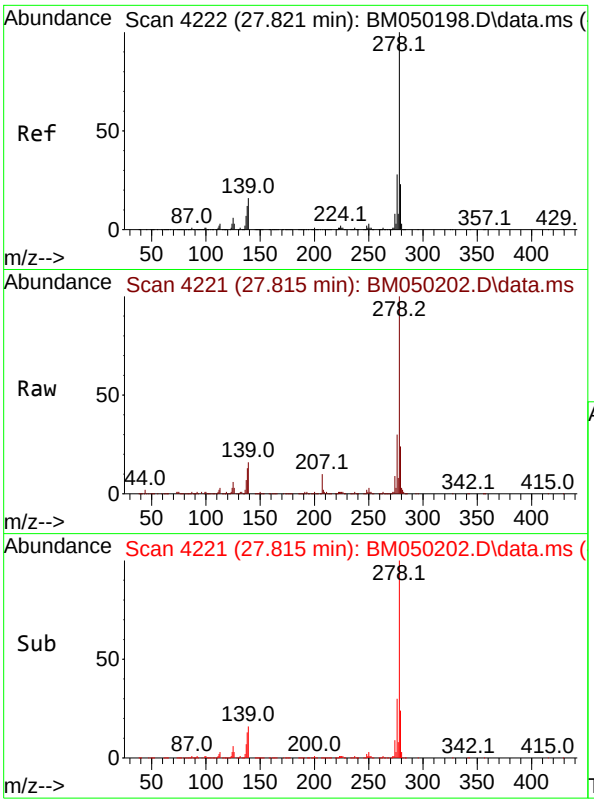


#90
Benzo(a)pyrene
Concen: 37.840 ng
RT: 24.239 min Scan# 3613
Delta R.T. -0.000 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:252 Resp: 2459411

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.6	9.0	13.4

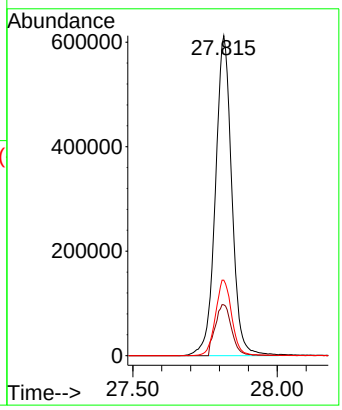




#91
Dibenzo(a,h)anthracene
Concen: 38.821 ng
RT: 27.815 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:278 Resp: 241239

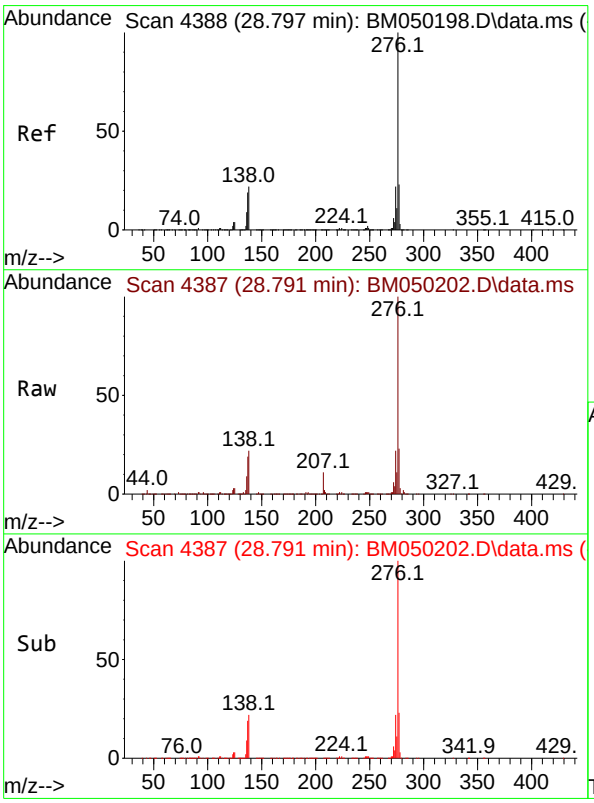
Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.8	19.2
279	23.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Manual Integrations
APPROVED

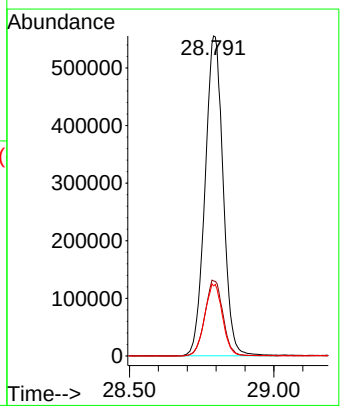
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#92
Benzo(g,h,i)perylene
Concen: 38.771 ng
RT: 28.791 min Scan# 4387
Delta R.T. -0.006 min
Lab File: BM050202.D
Acq: 05 Jun 2025 14:36

Tgt Ion:276 Resp: 2411378

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	27.8
138	21.9	17.8	26.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2		1,4-Dioxane	0.526	0.448	14.8	96	0.00
3		Pyridine	1.361	1.266	7.0	100	0.00
4		n-Nitrosodimethylamine	0.281	0.269	4.3	102	0.00
5	S	2-Fluorophenol	1.199	1.069	10.8	96	0.00
6		Aniline	2.086	1.992	4.5	100	0.00
7	S	Phenol-d6	1.578	1.433	9.2	95	0.00
8		2-Chlorophenol	1.319	1.273	3.5	102	0.00
9		Benzaldehyde	1.003	1.038	-3.5	122	0.00
10	C	Phenol	1.670	1.599	4.3	100	0.00
11		bis(2-Chloroethyl)ether	1.343	1.284	4.4	101	0.00
12		1,3-Dichlorobenzene	1.474	1.395	5.4	102	0.00
13	C	1,4-Dichlorobenzene	1.534	1.434	6.5	102	0.00
14		1,2-Dichlorobenzene	1.462	1.382	5.5	102	0.00
15		Benzyl Alcohol	1.126	1.101	2.2	100	0.00
16		2,2'-oxybis(1-Chloropropane	0.933	0.873	6.4	99	0.00
17		2-Methylphenol	1.102	1.076	2.4	100	0.00
18		Hexachloroethane	0.556	0.528	5.0	102	0.00
19	P	n-Nitroso-di-n-propylamine	0.966	0.961	0.5	99	0.00
20		3+4-Methylphenols	1.474	1.451	1.6	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.500	0.470	6.0	101	0.00
23	S	Nitrobenzene-d5	0.385	0.317	17.7	86	0.00
24		Nitrobenzene	0.350	0.333	4.9	100	0.00
25		Isophorone	0.664	0.639	3.8	99	0.00
26	C	2-Nitrophenol	0.151	0.154	-2.0	102	0.00
27		2,4-Dimethylphenol	0.310	0.294	5.2	99	0.00
28		bis(2-Chloroethoxy)methane	0.434	0.413	4.8	99	0.00
29	C	2,4-Dichlorophenol	0.287	0.280	2.4	100	0.00
30		1,2,4-Trichlorobenzene	0.319	0.300	6.0	100	0.00
31		Naphthalene	1.034	0.947	8.4	99	0.00
32		Benzoic acid	0.195	0.193	1.0	97	-0.04
33		4-Chloroaniline	0.441	0.419	5.0	99	0.00
34	C	Hexachlorobutadiene	0.190	0.178	6.3	100	0.00
35		Caprolactam	0.091	0.088	3.3	93	-0.02
36	C	4-Chloro-3-methylphenol	0.306	0.295	3.6	96	0.00
37		2-Methylnaphthalene	0.624	0.592	5.1	98	0.00
38		1-Methylnaphthalene	0.662	0.624	5.7	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.546	5.5	102	0.00
41	P	Hexachlorocyclopentadiene	0.351	0.345	1.7	102	0.00
42	S	2,4,6-Tribromophenol	0.227	0.203	10.6	89	0.00
43	C	2,4,6-Trichlorophenol	0.380	0.363	4.5	98	0.00
44		2,4,5-Trichlorophenol	0.417	0.399	4.3	97	0.00
45	S	2-Fluorobiphenyl	1.477	1.164	21.2	85	0.00
46		1,1'-Biphenyl	1.498	1.376	8.1	99	0.00
47		2-Chloronaphthalene	1.164	1.056	9.3	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.256	0.258	-0.8	97	0.00
49		Acenaphthylene	1.883	1.736	7.8	96	0.00
50		Dimethylphthalate	1.353	1.264	6.6	95	0.00
51		2,6-Dinitrotoluene	0.273	0.271	0.7	94	0.00
52	C	Acenaphthene	1.178	1.073	8.9	95	0.00
53		3-Nitroaniline	0.304	0.299	1.6	93	0.00
54	P	2,4-Dinitrophenol	0.146	0.139	4.8	92	0.00
55		Dibenzofuran	1.723	1.568	9.0	95	0.00
56	P	4-Nitrophenol	0.259	0.250	3.5	92	0.00
57		2,4-Dinitrotoluene	0.360	0.359	0.3	91	0.00
58		Fluorene	1.320	1.192	9.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.361	0.338	6.4	93	0.00
60		Diethylphthalate	1.342	1.232	8.2	92	0.00
61		4-Chlorophenyl-phenylether	0.638	0.576	9.7	95	0.00
62		4-Nitroaniline	0.285	0.273	4.2	89	-0.01
63		Azobenzene	1.341	1.212	9.6	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.109	0.106	2.8	88	0.00
66	c	n-Nitrosodiphenylamine	0.628	0.593	5.6	93	0.00
67		4-Bromophenyl-phenylether	0.213	0.205	3.8	93	0.00
68		Hexachlorobenzene	0.249	0.236	5.2	92	0.00
69		Atrazine	0.200	0.196	2.0	88	0.00
70	C	Pentachlorophenol	0.162	0.158	2.5	89	0.00
71		Phenanthrene	1.143	1.033	9.6	89	0.00
72		Anthracene	1.143	1.052	8.0	90	0.00
73		Carbazole	1.041	0.942	9.5	87	0.00
74		Di-n-butylphthalate	1.133	1.059	6.5	85	0.00
75	C	Fluoranthene	1.205	1.057	12.3	83	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	81	0.00
77		Benzidine	0.562	0.686	-22.1	90	0.00
78		Pyrene	1.348	1.360	-0.9	83	0.00
79	S	Terphenyl-d14	1.055	0.909	13.8	73	0.00
80		Butylbenzylphthalate	0.450	0.456	-1.3	75	0.00
81		Benzo(a)anthracene	1.266	1.177	7.0	78	0.00
82		3,3'-Dichlorobenzidine	0.386	0.389	-0.8	76	0.00
83		Chrysene	1.204	1.101	8.6	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.670	3.3	73	0.00
85	c	Di-n-octyl phthalate	1.028	0.993	3.4	72	0.00
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.288	1.249	3.0	88	-0.01
88		Benzo(b)fluoranthene	1.163	1.097	5.7	79	0.00
89		Benzo(k)fluoranthene	1.187	1.079	9.1	78	0.00
90	C	Benzo(a)pyrene	1.093	1.034	5.4	81	0.00
91		Dibenzo(a,h)anthracene	1.045	1.014	3.0	88	0.00
92		Benzo(g,h,i)perylene	1.046	1.014	3.1	90	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2		1,4-Dioxane	40.000	34.075	14.8	96	0.00
3		Pyridine	40.000	37.216	7.0	100	0.00
4		n-Nitrosodimethylamine	40.000	38.276	4.3	102	0.00
5	S	2-Fluorophenol	80.000	71.321	10.8	96	0.00
6		Aniline	40.000	38.184	4.5	100	0.00
7	S	Phenol-d6	80.000	72.656	9.2	95	0.00
8		2-Chlorophenol	40.000	38.620	3.5	102	0.00
9		Benzaldehyde	40.000	41.383	-3.5	122	0.00
10	C	Phenol	40.000	38.313	4.2	100	0.00
11		bis(2-Chloroethyl)ether	40.000	38.237	4.4	101	0.00
12		1,3-Dichlorobenzene	40.000	37.856	5.4	102	0.00
13	C	1,4-Dichlorobenzene	40.000	37.381	6.5	102	0.00
14		1,2-Dichlorobenzene	40.000	37.789	5.5	102	0.00
15		Benzyl Alcohol	40.000	39.129	2.2	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.404	6.5	99	0.00
17		2-Methylphenol	40.000	39.079	2.3	100	0.00
18		Hexachloroethane	40.000	38.024	4.9	102	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.802	0.5	99	0.00
20		3+4-Methylphenols	40.000	39.372	1.6	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	37.622	5.9	101	0.00
23	S	Nitrobenzene-d5	80.000	65.977	17.5	86	0.00
24		Nitrobenzene	40.000	38.131	4.7	100	0.00
25		Isophorone	40.000	38.498	3.8	99	0.00
26	C	2-Nitrophenol	40.000	40.867	-2.2	102	0.00
27		2,4-Dimethylphenol	40.000	37.886	5.3	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.061	4.8	99	0.00
29	C	2,4-Dichlorophenol	40.000	38.988	2.5	100	0.00
30		1,2,4-Trichlorobenzene	40.000	37.573	6.1	100	0.00
31		Naphthalene	40.000	36.633	8.4	99	0.00
32		Benzoic acid	40.000	39.598	1.0	97	-0.04
33		4-Chloroaniline	40.000	38.018	5.0	99	0.00
34	C	Hexachlorobutadiene	40.000	37.511	6.2	100	0.00
35		Caprolactam	40.000	38.807	3.0	93	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.568	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.986	5.0	98	0.00
38		1-Methylnaphthalene	40.000	37.722	5.7	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.845	5.4	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.386	1.5	102	0.00
42	S	2,4,6-Tribromophenol	80.000	71.554	10.6	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.255	4.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	38.297	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	63.026	21.2	85	0.00
46		1,1'-Biphenyl	40.000	36.765	8.1	99	0.00
47		2-Chloronaphthalene	40.000	36.269	9.3	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.253	-0.6	97	0.00
49		Acenaphthylene	40.000	36.877	7.8	96	0.00
50		Dimethylphthalate	40.000	37.379	6.6	95	0.00
51		2,6-Dinitrotoluene	40.000	39.718	0.7	94	0.00
52	C	Acenaphthene	40.000	36.444	8.9	95	0.00
53		3-Nitroaniline	40.000	39.347	1.6	93	0.00
54	P	2,4-Dinitrophenol	40.000	34.596	13.5	92	0.00
55		Dibenzofuran	40.000	36.397	9.0	95	0.00
56	P	4-Nitrophenol	40.000	38.588	3.5	92	0.00
57		2,4-Dinitrotoluene	40.000	39.946	0.1	91	0.00
58		Fluorene	40.000	36.130	9.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.508	6.2	93	0.00
60		Diethylphthalate	40.000	36.717	8.2	92	0.00
61		4-Chlorophenyl-phenylether	40.000	36.132	9.7	95	0.00
62		4-Nitroaniline	40.000	38.283	4.3	89	-0.01
63		Azobenzene	40.000	36.142	9.6	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.808	3.0	88	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.727	5.7	93	0.00
67		4-Bromophenyl-phenylether	40.000	38.453	3.9	93	0.00
68		Hexachlorobenzene	40.000	37.911	5.2	92	0.00
69		Atrazine	40.000	39.186	2.0	88	0.00
70	C	Pentachlorophenol	40.000	38.925	2.7	89	0.00
71		Phenanthrene	40.000	36.170	9.6	89	0.00
72		Anthracene	40.000	36.806	8.0	90	0.00
73		Carbazole	40.000	36.195	9.5	87	0.00
74		Di-n-butylphthalate	40.000	37.377	6.6	85	0.00
75	C	Fluoranthene	40.000	35.092	12.3	83	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	81	0.00
77		Benzidine	40.000	48.798	-22.0	90	0.00
78		Pyrene	40.000	40.348	-0.9	83	0.00
79	S	Terphenyl-d14	80.000	68.934	13.8	73	0.00
80		Butylbenzylphthalate	40.000	40.599	-1.5	75	0.00
81		Benzo(a)anthracene	40.000	37.193	7.0	78	0.00
82		3,3'-Dichlorobenzidine	40.000	40.289	-0.7	76	0.00
83		Chrysene	40.000	36.579	8.6	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.675	3.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	38.642	3.4	72	0.00
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.807	3.0	88	-0.01
88		Benzo(b)fluoranthene	40.000	37.732	5.7	79	0.00
89		Benzo(k)fluoranthene	40.000	36.362	9.1	78	0.00
90	C	Benzo(a)pyrene	40.000	37.840	5.4	81	0.00
91		Dibenzo(a,h)anthracene	40.000	38.821	2.9	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.771	3.1	90	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date(s): 06/06/2025 06/06/2025

Calibration Time(s): 10:30 15:18

LAB FILE ID: RRF2.5 = BP024860.D RRF005 = BP024861.D RRF010 = BP024862.D
RRF020 = BP024863.D RRF040 = BP024864.D RRF050 = BP024865.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.198	4.9
Benzaldehyde			1.038	1.071	0.873	0.985	0.914	17.0
Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.585	4.5
Phenol		1.560	1.564	1.616	1.587	1.725	1.634	4.8
bis(2-Chloroethyl)ether		1.222	1.277	1.334	1.234	1.363	1.285	4.3
2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.358	4.3
2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.141	4.9
2,2-oxybis(1-Chloropropane)		1.748	1.732	1.722	1.583	1.751	1.682	4.5
Acetophenone		0.506	0.521	0.511	0.491	0.535	0.505	4.6
3+4-Methylphenols			1.507	1.548	1.493	1.631	1.557	4.3
n-Nitroso-di-n-propylamine	0.984	1.101	1.105	1.107	1.043	1.141	1.078	4.9
Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.412	4.9
Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.576	3.7
Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.366	4.8
Isophorone		0.704	0.678	0.724	0.694	0.764	0.713	3.9
2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.180	10.6
2,4-Dimethylphenol		0.294	0.286	0.310	0.303	0.331	0.309	5.1
bis(2-Chloroethoxy)methane		0.414	0.408	0.438	0.414	0.465	0.426	4.7
2,4-Dichlorophenol		0.246	0.272	0.300	0.292	0.327	0.296	9.8
Naphthalene		1.071	1.022	1.044	0.989	1.079	1.025	4.9
4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.429	6.7
Hexachlorobutadiene		0.203	0.199	0.208	0.194	0.218	0.201	4.8
Caprolactam			0.098	0.109	0.110	0.118	0.109	6.9
4-Chloro-3-methylphenol		0.312	0.322	0.351	0.341	0.374	0.342	6.6
2-Methylnaphthalene		0.659	0.638	0.659	0.633	0.696	0.650	4.5
Hexachlorocyclopentadiene			0.259	0.315	0.337	0.404	0.346	15.7
2,4,6-Trichlorophenol		0.342	0.352	0.386	0.375	0.411	0.381	6.9
2-Fluorobiphenyl		1.542	1.507	1.517	1.390	1.563	1.485	4.4
2,4,5-Trichlorophenol		0.349	0.379	0.414	0.405	0.448	0.408	8.4
1,1-Biphenyl		1.477	1.456	1.485	1.386	1.509	1.453	3.1
2-Chloronaphthalene		1.123	1.104	1.135	1.069	1.171	1.117	3.2
2-Nitroaniline		0.289	0.324	0.344	0.346	0.371	0.343	8.6
Dimethylphthalate		1.515	1.450	1.501	1.400	1.550	1.475	3.4
Acenaphthylene		1.880	1.851	1.892	1.768	1.939	1.863	3.2

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date(s): 06/06/2025 06/06/2025

Calibration Time(s): 10:30 15:18

LAB FILE ID: RRF2.5 = BP024860.D RRF005 = BP024861.D RRF010 = BP024862.D
RRF020 = BP024863.D RRF040 = BP024864.D RRF050 = BP024865.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.299	0.301	0.326	0.312	0.339	0.318	4.9
3-Nitroaniline		0.263	0.292	0.337	0.338	0.367	0.330	11.7
Acenaphthene		1.106	1.064	1.090	1.020	1.087	1.067	2.9
2,4-Dinitrophenol			0.117	0.155	0.179	0.203	0.178	20.2
4-Nitrophenol			0.142	0.213	0.248	0.276	0.239	22.6
Dibenzofuran		1.815	1.721	1.756	1.627	1.757	1.713	4.2
2,4-Dinitrotoluene		0.390	0.416	0.457	0.437	0.487	0.445	7.4
Diethylphthalate		1.501	1.474	1.487	1.393	1.545	1.470	3.3
4-Chlorophenyl-phenylether		0.711	0.668	0.689	0.637	0.709	0.677	4.1
Fluorene		1.437	1.394	1.420	1.304	1.434	1.384	3.8
4-Nitroaniline		0.239	0.235	0.307	0.311	0.336	0.299	14.7
4,6-Dinitro-2-methylphenol			0.102	0.125	0.130	0.147	0.131	12.8
n-Nitrosodiphenylamine		0.627	0.608	0.633	0.597	0.659	0.620	3.7
2,4,6-Tribromophenol		0.256	0.264	0.279	0.267	0.298	0.277	5.3
4-Bromophenyl-phenylether		0.224	0.215	0.226	0.213	0.246	0.226	4.8
Hexachlorobenzene		0.278	0.268	0.272	0.260	0.290	0.274	3.3
Atrazine		0.213	0.212	0.231	0.217	0.244	0.225	5.2
Pentachlorophenol			0.105	0.131	0.139	0.162	0.142	15.2
Phenanthrene		1.158	1.108	1.110	1.056	1.161	1.105	4.1
Anthracene		1.129	1.093	1.137	1.072	1.188	1.119	3.6
Carbazole		1.023	1.013	1.057	0.998	1.112	1.038	3.8
Di-n-butylphthalate		1.178	1.245	1.326	1.272	1.421	1.285	5.8
Fluoranthene		1.300	1.287	1.307	1.223	1.344	1.281	3.3
Pyrene		1.307	1.195	1.261	1.184	1.322	1.249	4.4
Terphenyl-d14		1.178	1.073	1.146	1.089	1.164	1.116	4.6
Butylbenzylphthalate		0.508	0.529	0.581	0.562	0.641	0.572	7.7
3,3-Dichlorobenzidine			0.468	0.513	0.493	0.542	0.508	5.3
Benzo(a)anthracene		1.312	1.234	1.288	1.219	1.347	1.279	3.7
Chrysene		1.252	1.174	1.229	1.144	1.279	1.212	4.1
Bis(2-ethylhexyl)phthalate		0.715	0.780	0.846	0.797	0.921	0.820	7.9
Di-n-octyl phthalate			1.320	1.438	1.384	1.587	1.445	6.2
Benzo(b)fluoranthene		1.103	1.104	1.133	1.127	1.232	1.145	4.1
Benzo(k)fluoranthene		1.165	1.144	1.181	1.106	1.259	1.165	4.1
Benzo(a)pyrene		1.096	1.069	1.127	1.070	1.214	1.118	4.5
Indeno(1,2,3-cd)pyrene		1.427	1.402	1.469	1.412	1.559	1.459	3.9

All other compounds must meet a minimum RRF of 0.010.

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date(s): 06/06/2025 06/06/2025

Calibration Time(s): 10:30 15:18

LAB FILE ID: RRF2.5 = BP024860.D RRF005 = BP024861.D RRF010 = BP024862.D
RRF020 = BP024863.D RRF040 = BP024864.D RRF050 = BP024865.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.151	1.143	1.202	1.143	1.279	1.188	4.3
Benzo(g,h,i)perylene		1.172	1.127	1.183	1.136	1.261	1.179	3.9
1,2,4,5-Tetrachlorobenzene		0.568	0.561	0.568	0.538	0.601	0.568	3.3
1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.527	4.2
2,3,4,6-Tetrachlorophenol		0.343	0.350	0.360	0.354	0.395	0.365	5.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

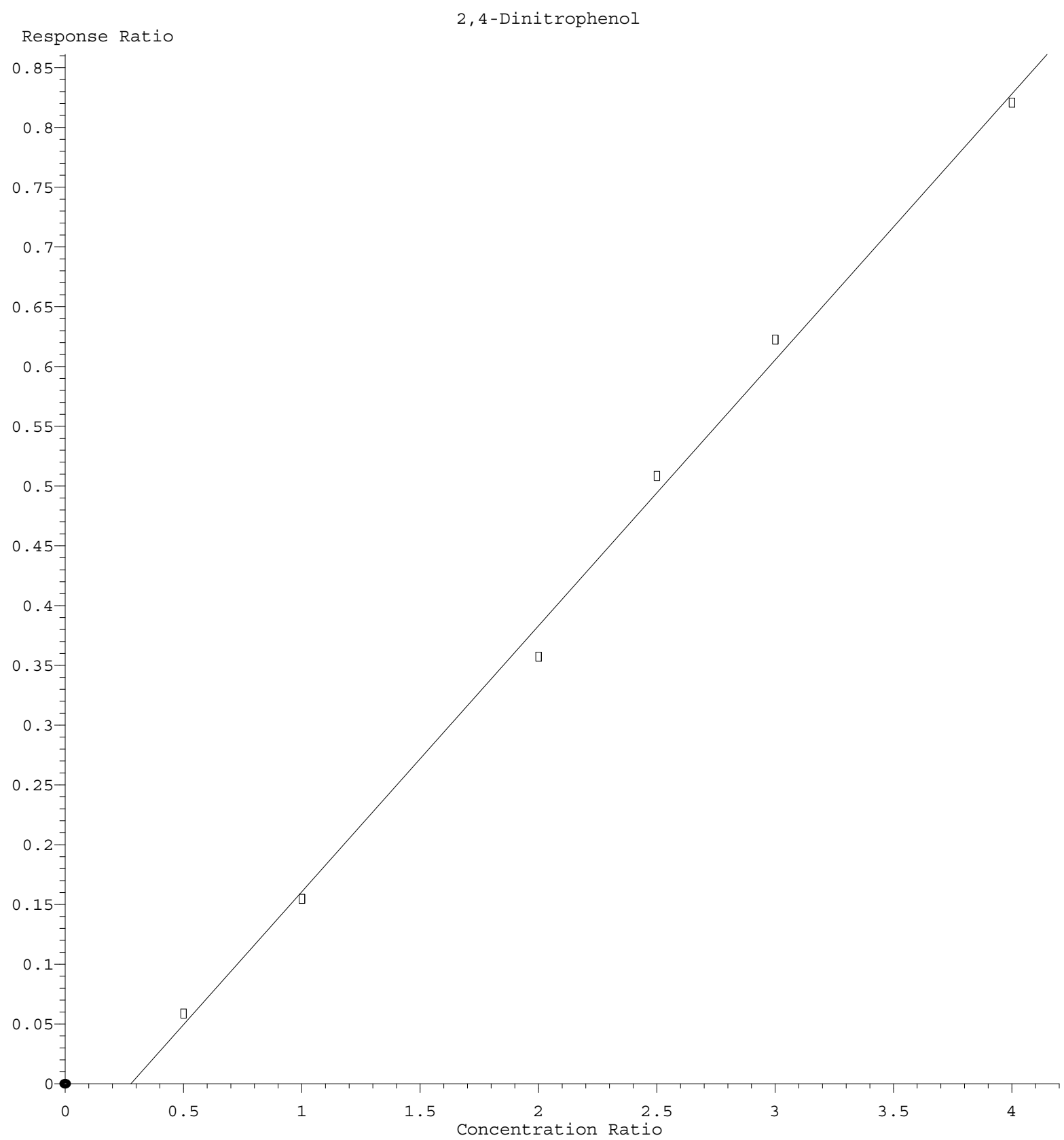
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

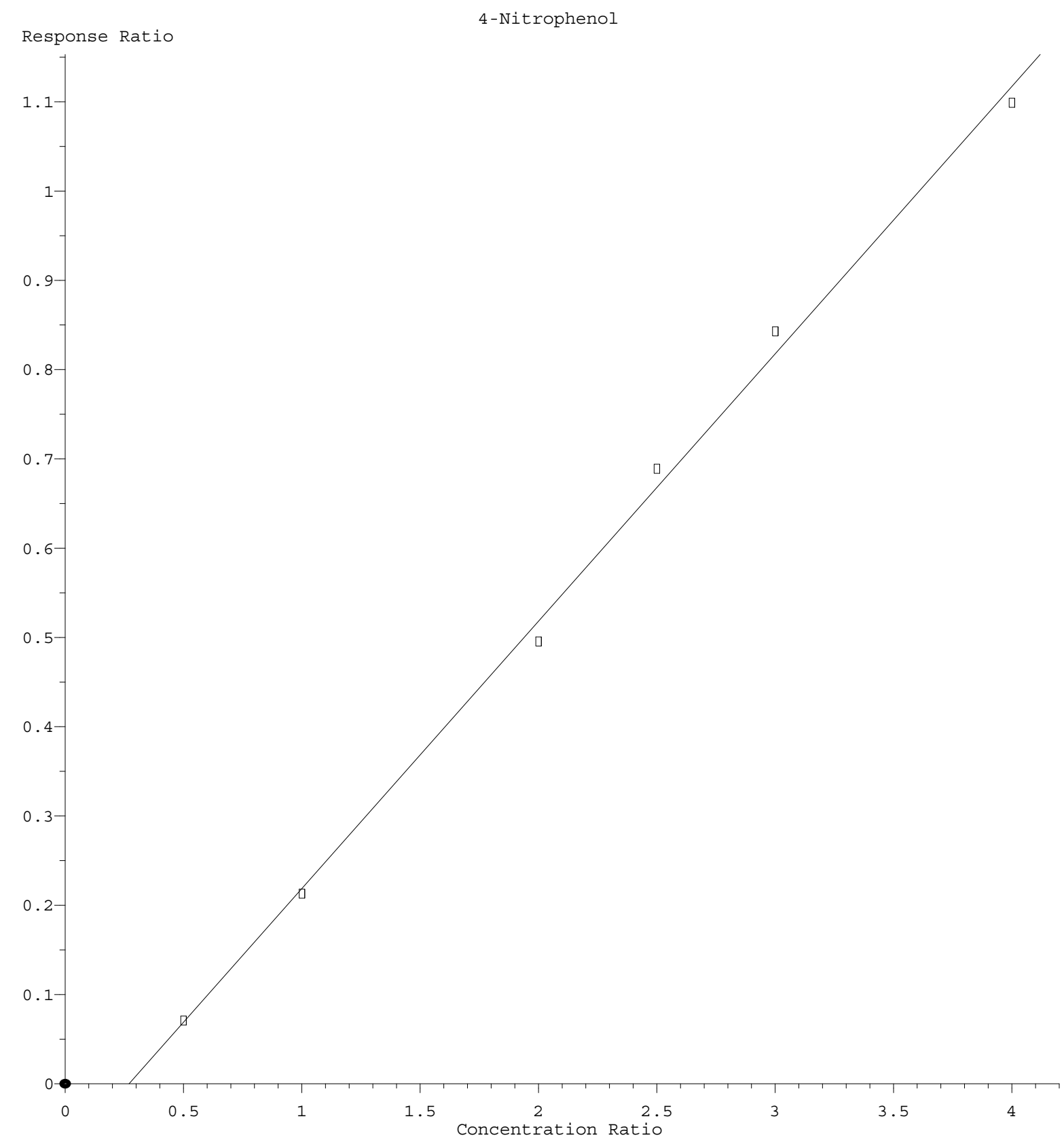
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range



Response = 2.226e-001 * Amt - 6.192e-002
Coef of Det (r^2) = 0.996780 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP060625.M
Calibration Table Last Updated: Fri Jun 06 16:20:27 2025



Response = 2.997e-001 * Amt - 8.106e-002
Coef of Det (r^2) = 0.997389 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP060625.M
Calibration Table Last Updated: Fri Jun 06 16:20:27 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024860.D
Acq On : 06 Jun 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 06 15:57:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	221050	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	909156	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	579004	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1181298	20.000	ng	0.00
76) Chrysene-d12	21.477	240	1353951	20.000	ng	0.00
86) Perylene-d12	24.724	264	1640185	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...	8.413	70	27187	2.282	ng	98

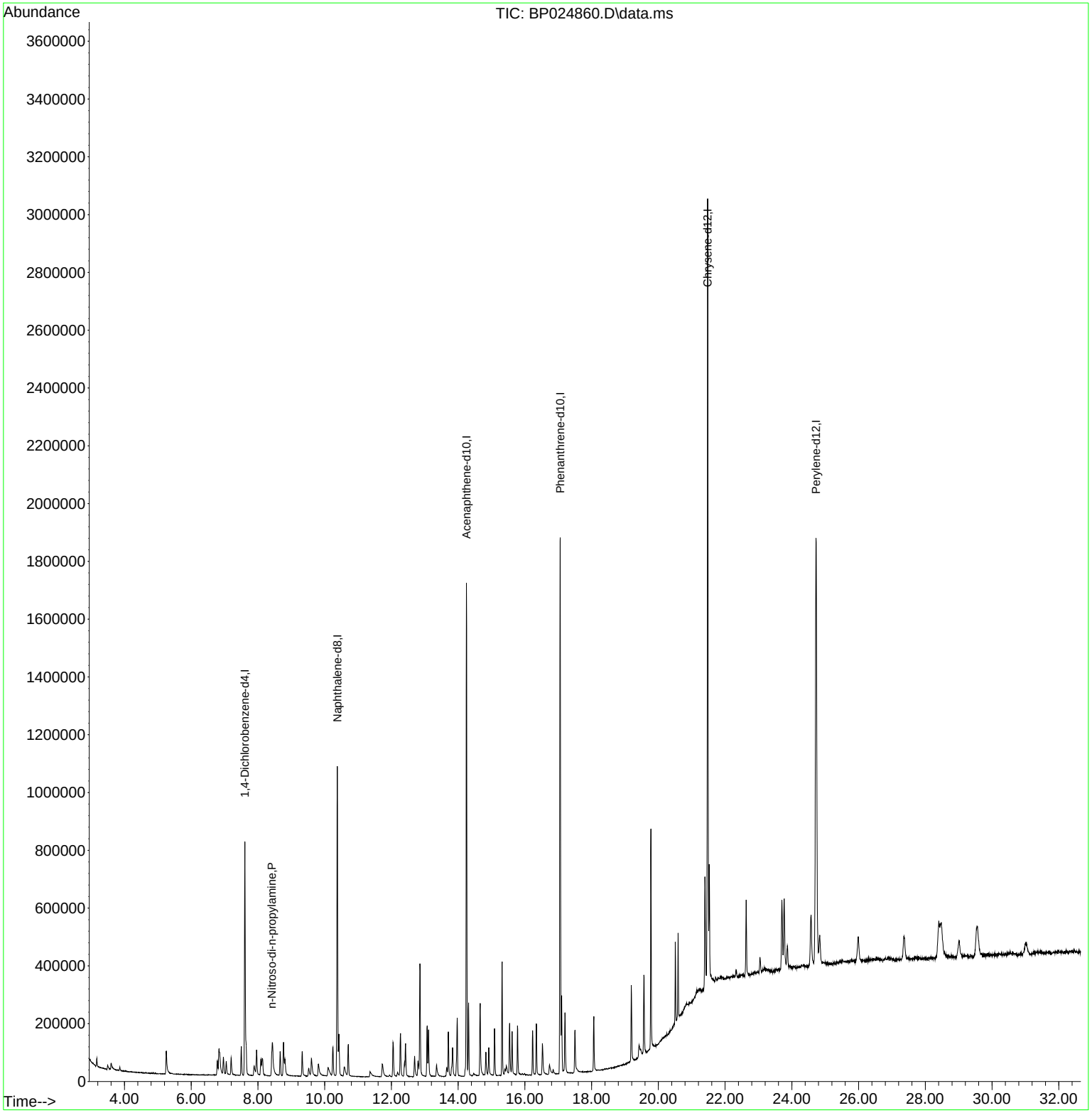
(#) = qualifier out of range (m) = manual integration (+) = signals summed

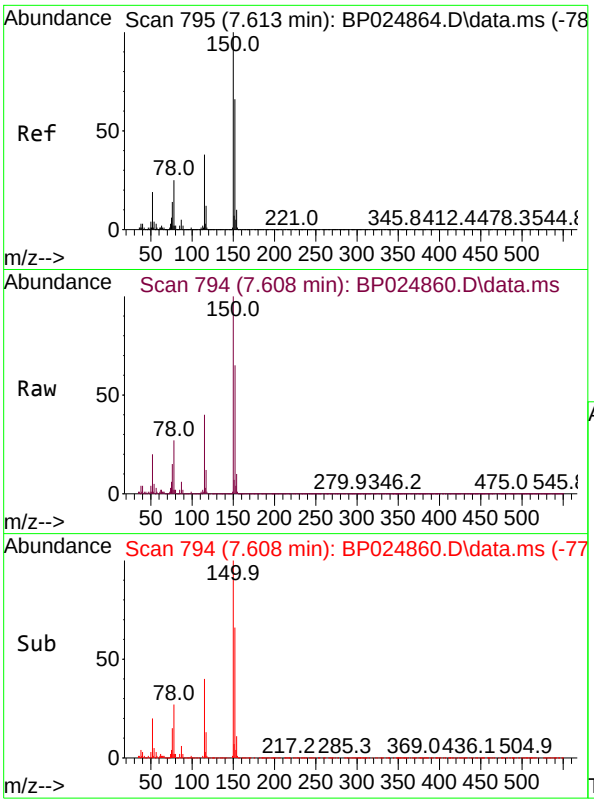
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024860.D
Acq On : 06 Jun 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 06 15:57:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



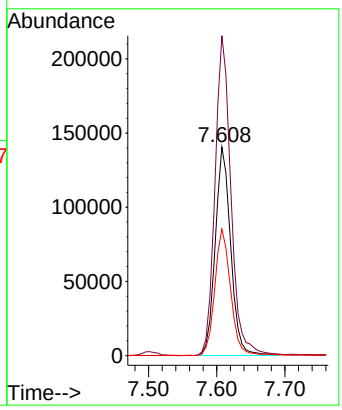


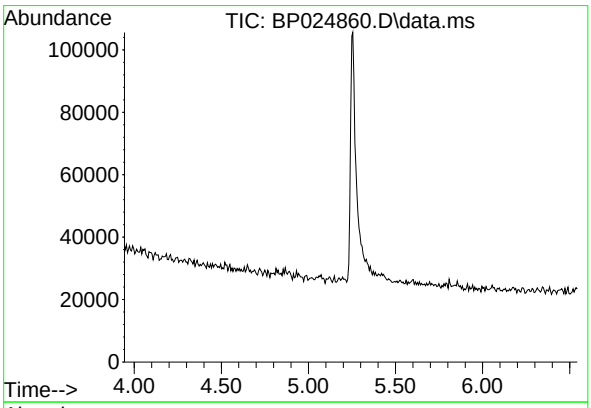
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 221050

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.1	183.1
115	60.6	46.4	69.6



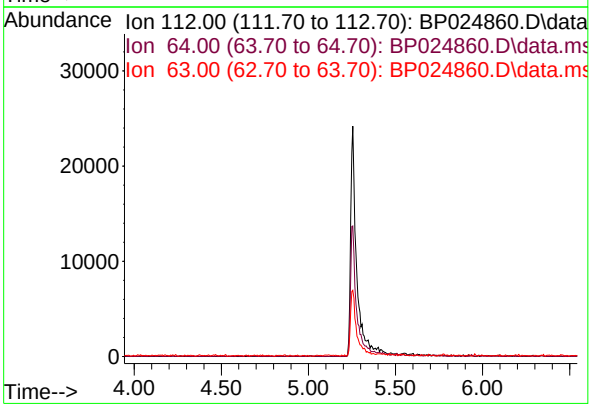


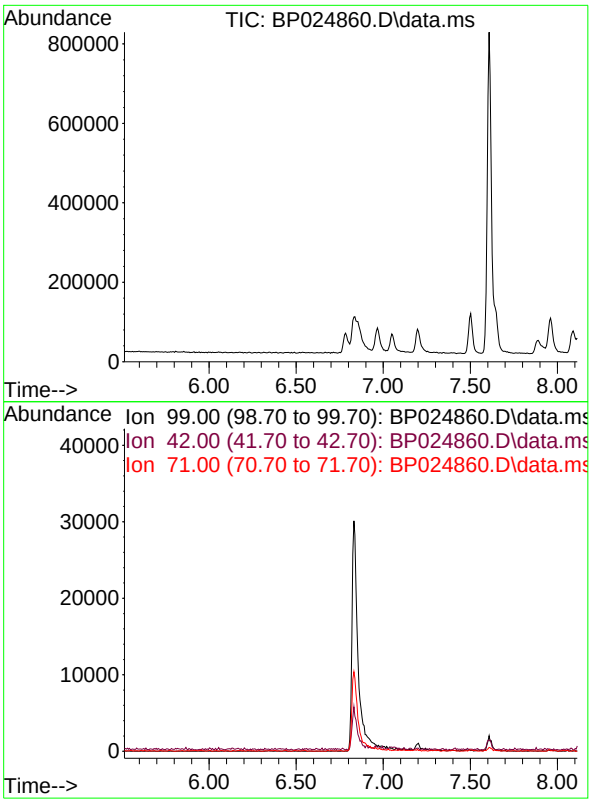
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.24 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.9
63	29.4





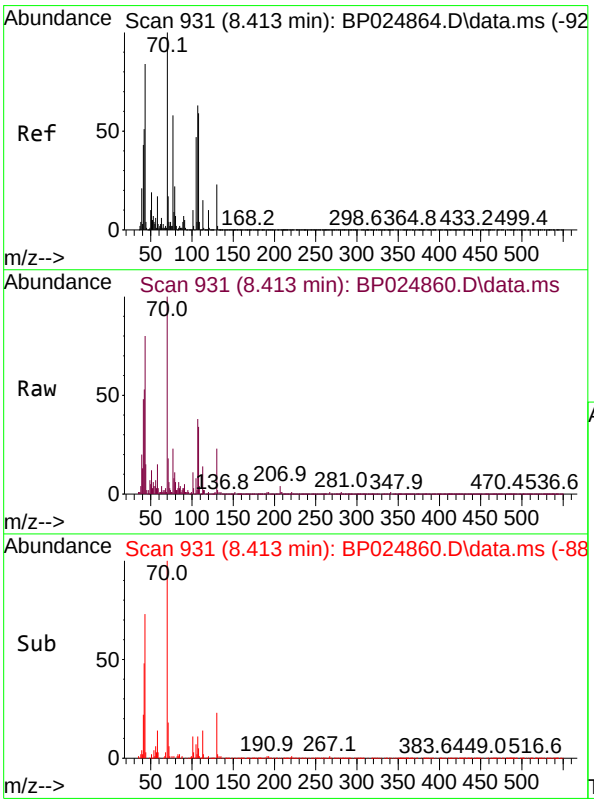
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.81 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

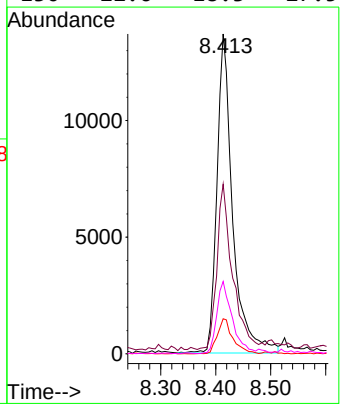
Sig	Exp Ratio
99	100
42	16.8
71	34.5

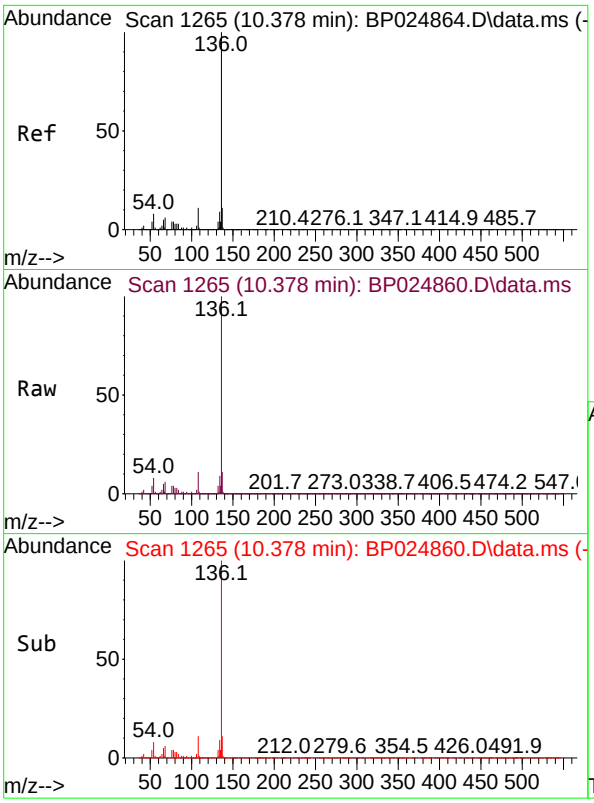


#19
n-Nitroso-di-n-propylamine
Concen: 2.282 ng
RT: 8.413 min Scan# 931
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 70 Resp: 27187

Ion	Ratio	Lower	Upper
70	100		
42	53.0	41.2	61.8
101	11.0	8.3	12.5
130	22.6	18.3	27.5



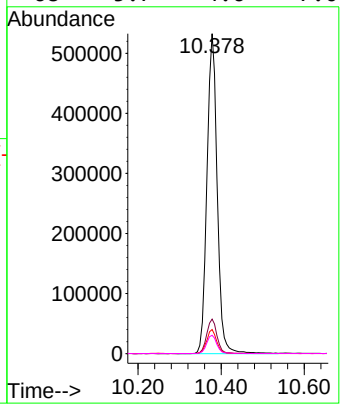


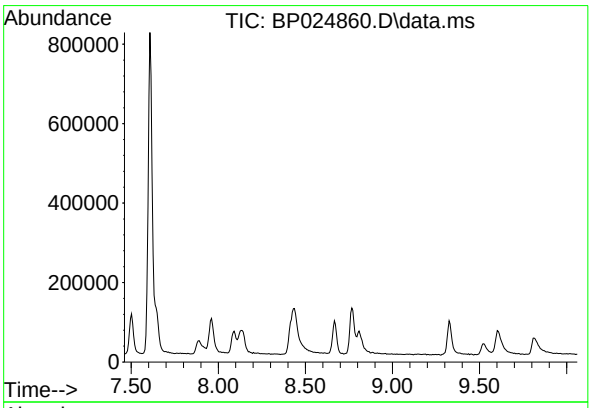
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 909156

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.5	6.1	9.1
68	5.7	4.6	7.0



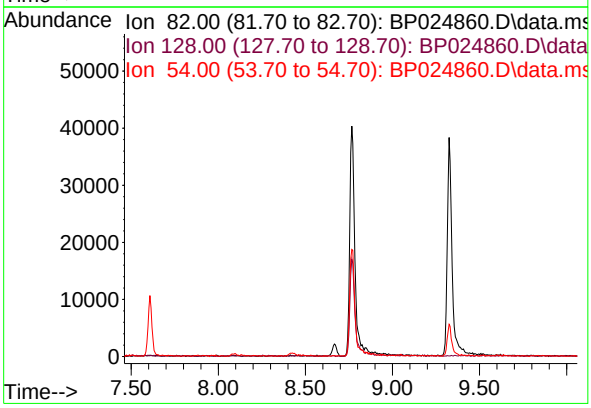


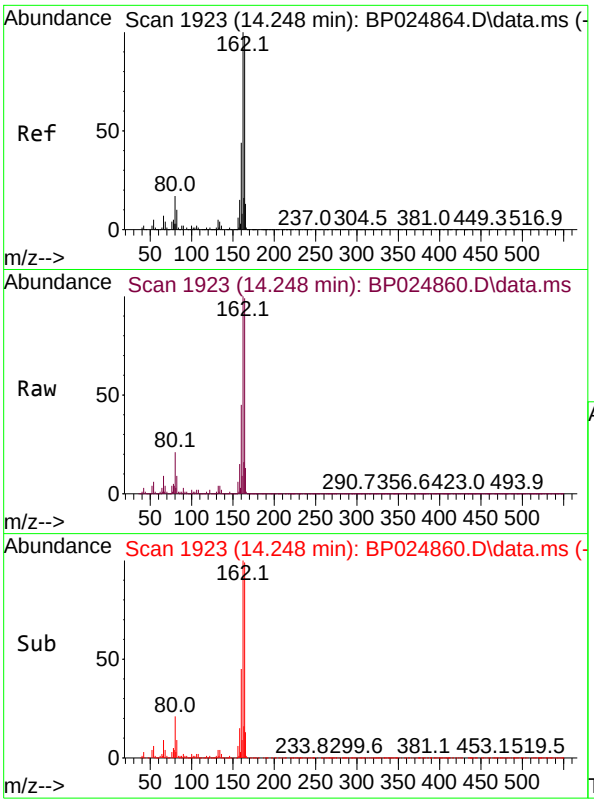
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.76 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.1
54	46.7



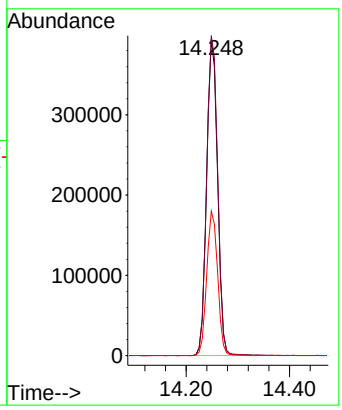


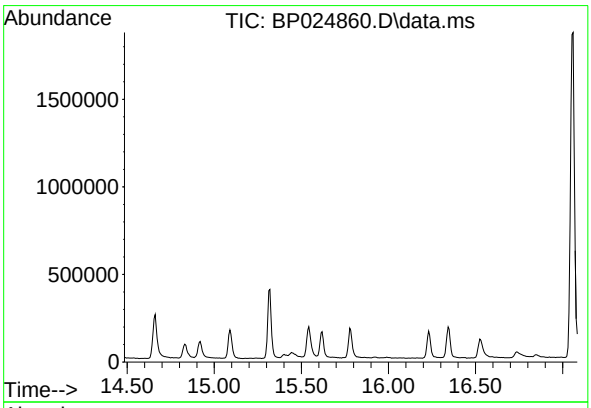
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 579004

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.6	122.4
160	45.6	36.2	54.2



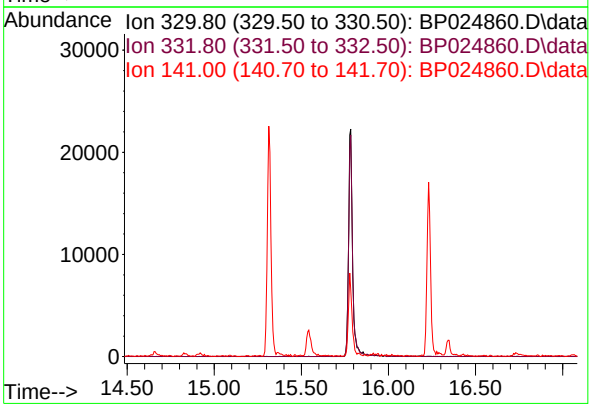


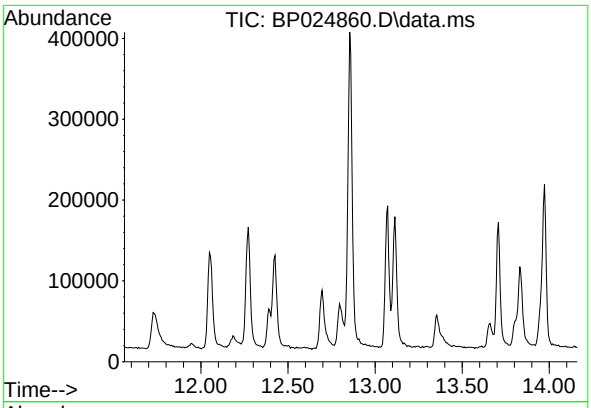
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.78 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.1
141	33.0





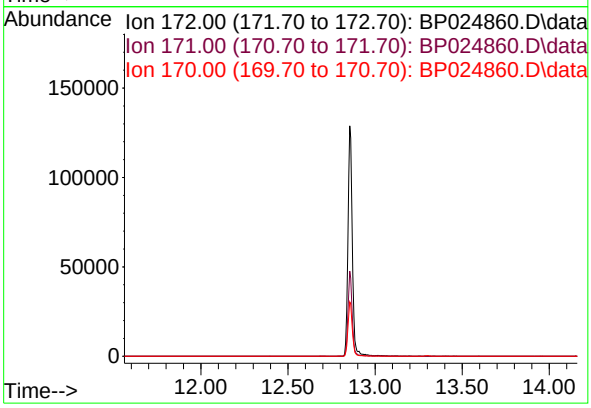
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.86 min

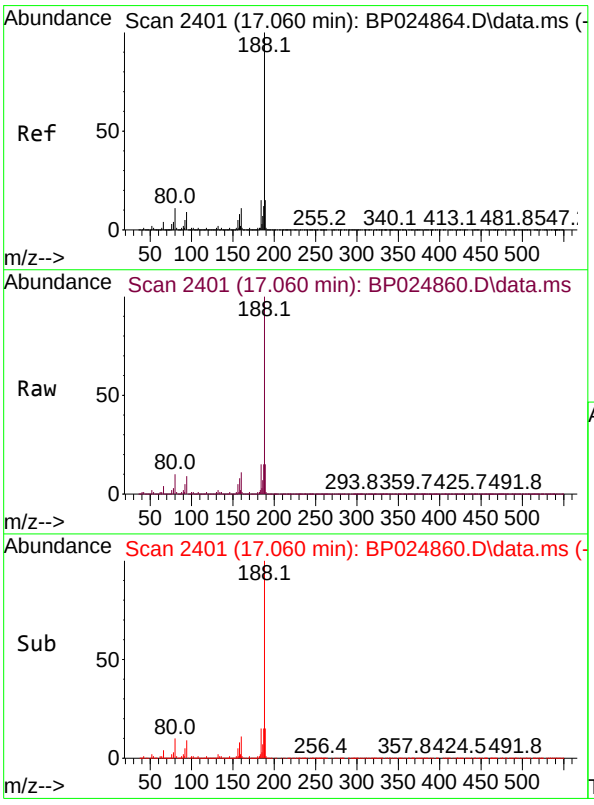
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.4
170	23.7

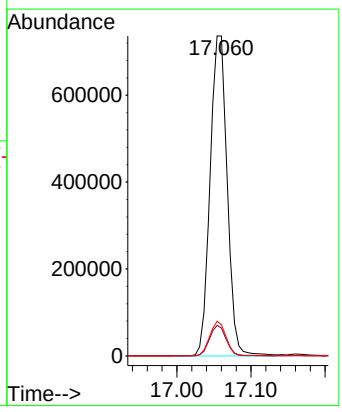


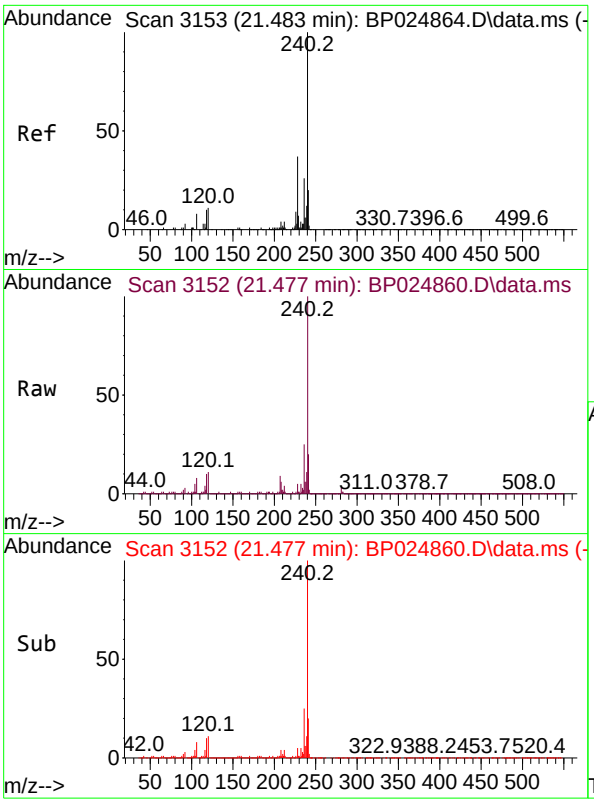


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion:188 Resp: 1181298

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	9.8	8.5	12.7



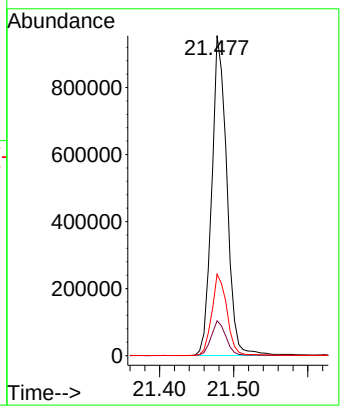


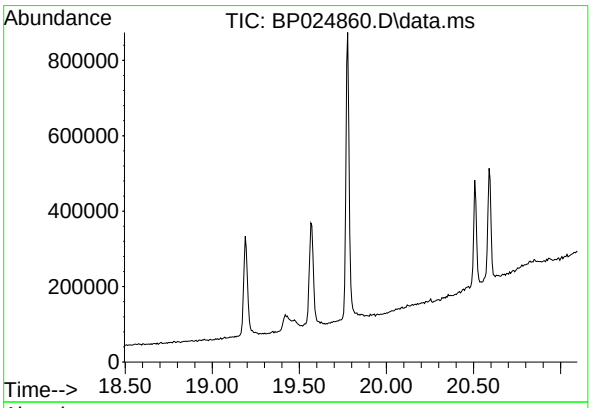
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1353951

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.4	20.9	31.3



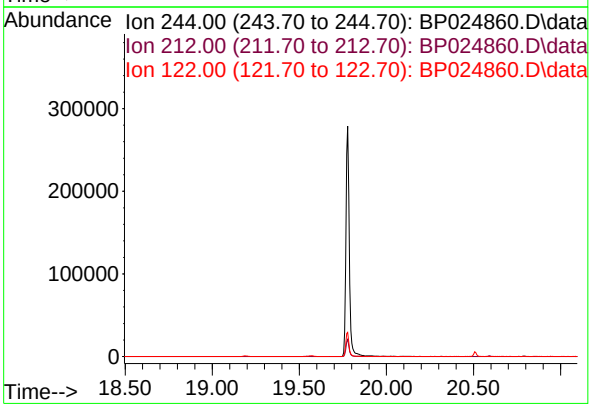


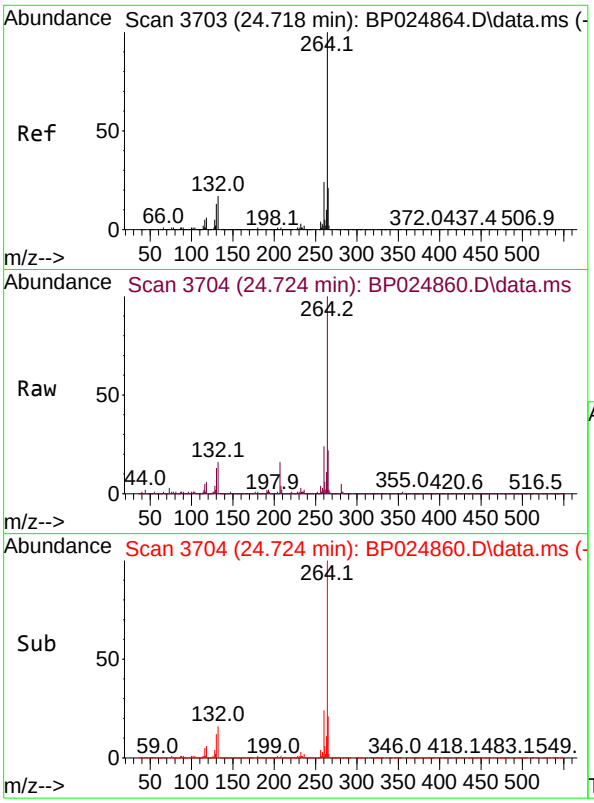
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.80 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	9.6



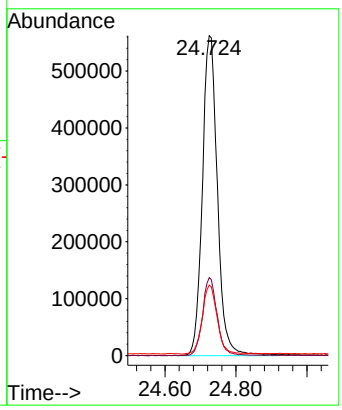


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1640185

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	200188	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	863187	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	567242	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1134887	20.000	ng	-0.01
76) Chrysene-d12	21.477	240	1194011	20.000	ng	0.00
86) Perylene-d12	24.724	264	1376894	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	112787	9.404	ng	0.00
7) Phenol-d6	6.831	99	150891	9.509	ng	0.02
23) Nitrobenzene-d5	8.760	82	175740	9.893	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	72727	9.274	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	437483	10.390	ng	0.00
79) Terphenyl-d14	19.778	244	703502	10.560	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	28220	5.348	ng	99
3) Pyridine	3.590	79	57580	4.537	ng	90
6) Aniline	6.961	93	95932	4.737	ng	99
8) 2-Chlorophenol	7.196	128	66850	4.917	ng	98
10) Phenol	6.855	94	78090	4.774	ng	96
11) bis(2-Chloroethyl)ether	7.049	93	61139	4.752	ng	97
12) 1,3-Dichlorobenzene	7.502	146	78560	5.180	ng	99
13) 1,4-Dichlorobenzene	7.643	146	79892	5.221	ng	99
14) 1,2-Dichlorobenzene	7.960	146	76524	5.092	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.137	45	87492	5.196	ng	93
17) 2-Methylphenol	8.084	107	52716	4.615	ng	98
18) Hexachloroethane	8.672	117	29571	5.132	ng	94
19) n-Nitroso-di-n-propyla...	8.413	70	55096	5.108	ng	97
22) Acetophenone	8.437	105	109271	5.010	ng	96
24) Nitrobenzene	8.808	77	79033	5.008	ng	96
25) Isophorone	9.325	82	151837	4.932	ng	99
26) 2-Nitrophenol	9.519	139	33214	4.266	ng	94
27) 2,4-Dimethylphenol	9.596	122	63419	4.759	ng	94
28) bis(2-Chloroethoxy)met...	9.807	93	89295	4.862	ng	96
29) 2,4-Dichlorophenol	10.090	162	53164	4.158	ng	95
30) 1,2,4-Trichlorobenzene	10.249	180	72373	5.018	ng	99
31) Naphthalene	10.425	128	231024	5.223	ng	98
33) 4-Chloroaniline	10.572	127	85657	4.622	ng	99
34) Hexachlorobutadiene	10.707	225	43845	5.044	ng	98
36) 4-Chloro-3-methylphenol	11.719	107	67386	4.569	ng	99
37) 2-Methylnaphthalene	12.049	142	142250	5.070	ng	98
38) 1-Methylnaphthalene	12.266	142	155333	5.178	ng	97
40) 1,2,4,5-Tetrachloroben...	12.425	216	80613	5.008	ng	99
43) 2,4,6-Trichlorophenol	12.690	196	48501	4.487	ng	97
44) 2,4,5-Trichlorophenol	12.796	196	49421	4.269	ng	97
46) 1,1'-Biphenyl	13.072	154	209483	5.082	ng	96
47) 2-Chloronaphthalene	13.113	162	159251	5.026	ng	99
48) 2-Nitroaniline	13.348	65	40981	4.207	ng	99
49) Acenaphthylene	13.972	152	266639	5.047	ng	99
50) Dimethylphthalate	13.713	163	214893	5.136	ng	99
51) 2,6-Dinitrotoluene	13.831	165	42335	4.693	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.313	154	156832	5.181	ng		96
53) 3-Nitroaniline	14.190	138	37288	3.983	ng	#	90
55) Dibenzofuran	14.660	168	257371	5.297	ng		100
57) 2,4-Dinitrotoluene	14.648	165	55352	4.387	ng	#	87
58) Fluorene	15.319	166	203802	5.192	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.907	232	48686m	4.699	ng		
60) Diethylphthalate	15.090	149	212883	5.105	ng		98
61) 4-Chlorophenyl-phenyle...	15.319	204	100846	5.254	ng		97
62) 4-Nitroaniline	15.378	138	33952m	3.998	ng		
63) Azobenzene	15.619	77	190856	4.990	ng		99
66) n-Nitrosodiphenylamine	15.537	169	177845	5.056	ng		100
67) 4-Bromophenyl-phenylether	16.231	248	63678	4.973	ng		99
68) Hexachlorobenzene	16.342	284	78966	5.087	ng		96
69) Atrazine	16.519	200	60321	4.730	ng		98
71) Phenanthrene	17.095	178	328431	5.237	ng		99
72) Anthracene	17.195	178	320305	5.043	ng		99
73) Carbazole	17.489	167	290344	4.932	ng		100
74) Di-n-butylphthalate	18.060	149	334086	4.580	ng		99
75) Fluoranthene	19.183	202	368810	5.074	ng		99
78) Pyrene	19.560	202	389995	5.228	ng		99
80) Butylbenzylphthalate	20.513	149	151685	4.439	ng		99
81) Benzo(a)anthracene	21.460	228	391774	5.130	ng		99
83) Chrysene	21.525	228	373726	5.165	ng		98
84) Bis(2-ethylhexyl)phtha...	21.389	149	213559	4.362	ng		98
87) Indeno(1,2,3-cd)pyrene	28.418	276	491160	4.889	ng	#	94
88) Benzo(b)fluoranthene	23.707	252	379596	4.817	ng		98
89) Benzo(k)fluoranthene	23.777	252	400877	4.998	ng		99
90) Benzo(a)pyrene	24.571	252	377184	4.901	ng		100
91) Dibenzo(a,h)anthracene	28.471	278	396286	4.846	ng		99
92) Benzo(g,h,i)perylene	29.559	276	403533	4.974	ng		98

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

ICAL Form

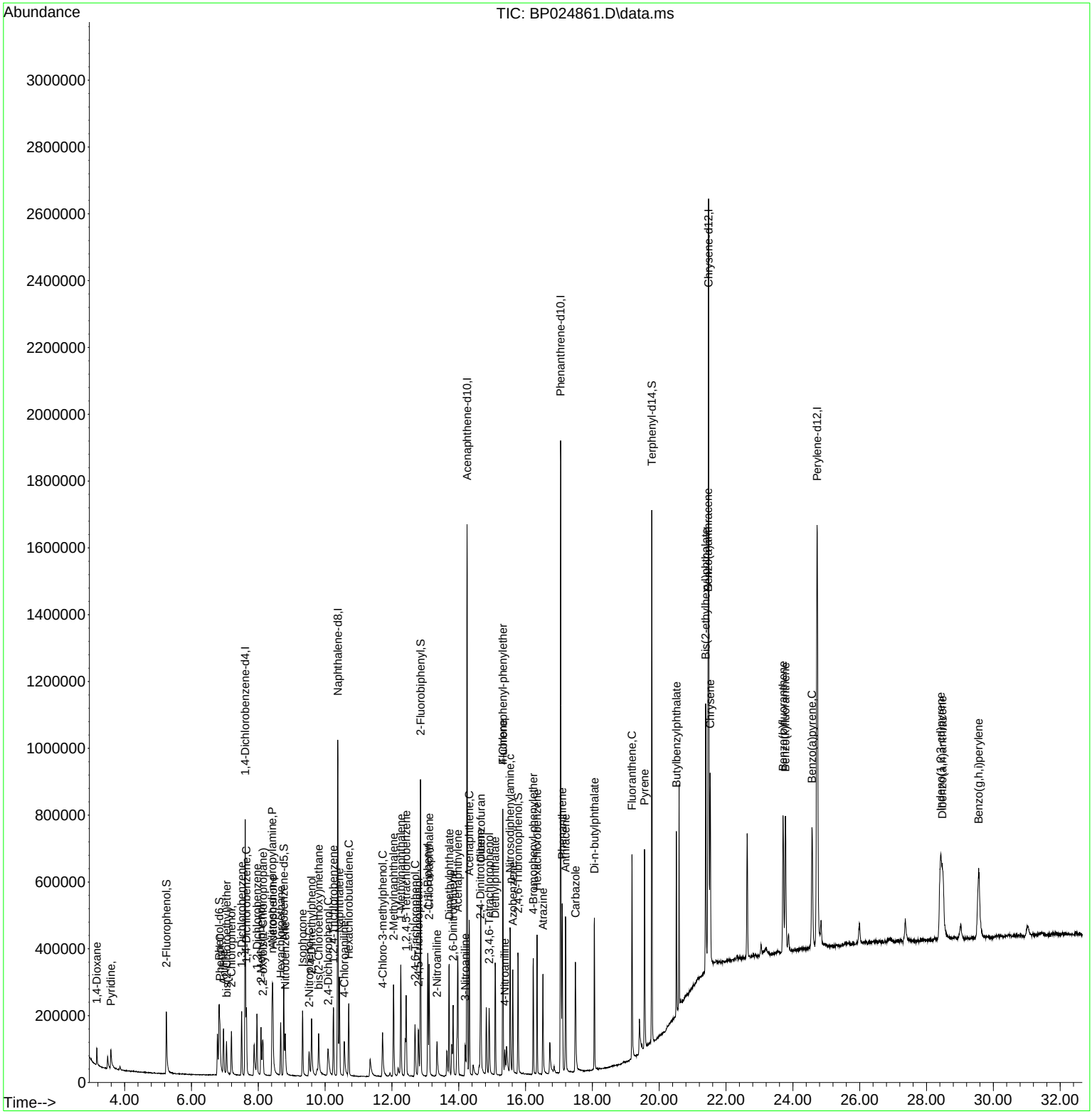
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

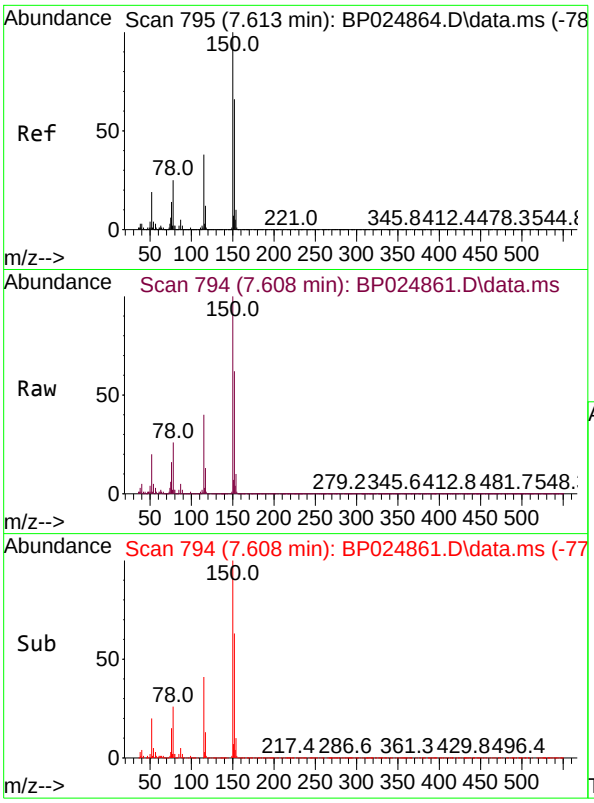
Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

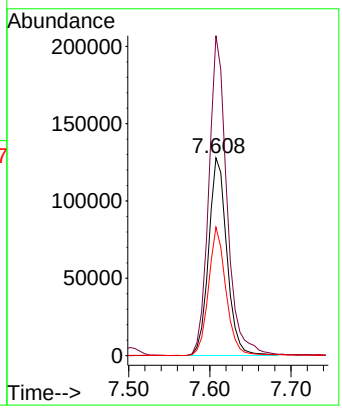




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:152 Resp: 20018

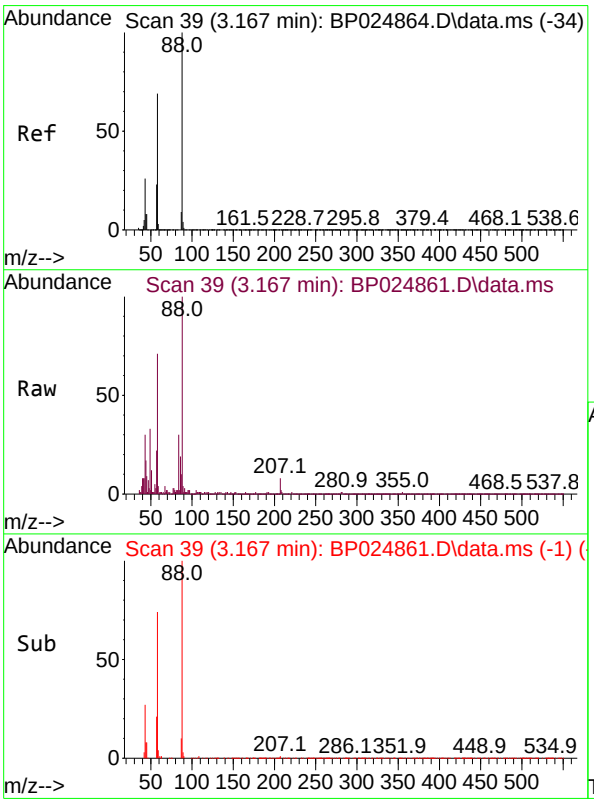
Ion	Ratio	Lower	Upper
152	100		
150	161.9	122.1	183.1
115	64.9	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

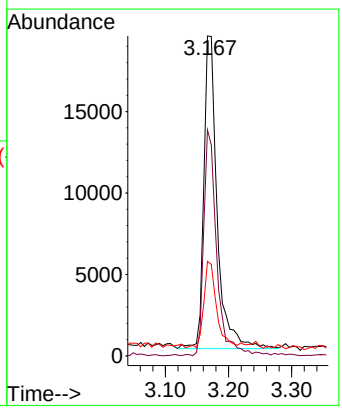
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

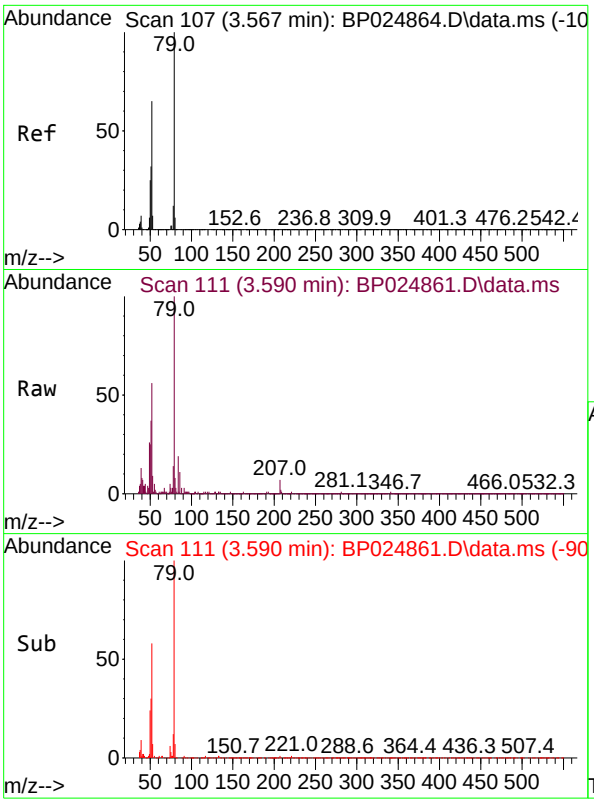


#2
1,4-Dioxane
Concen: 5.348 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 88 Resp: 28220

Ion	Ratio	Lower	Upper
88	100		
58	70.2	55.4	83.0
43	25.7	20.8	31.2

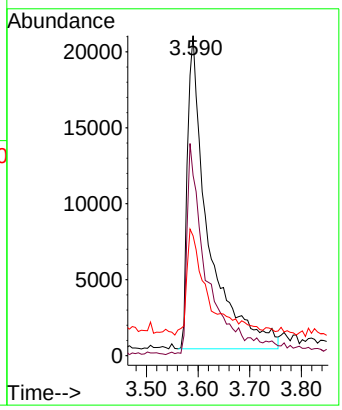




#3
Pyridine
Concen: 4.537 ng
RT: 3.590 min Scan# 11
Delta R.T. 0.024 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 79 Resp: 5758

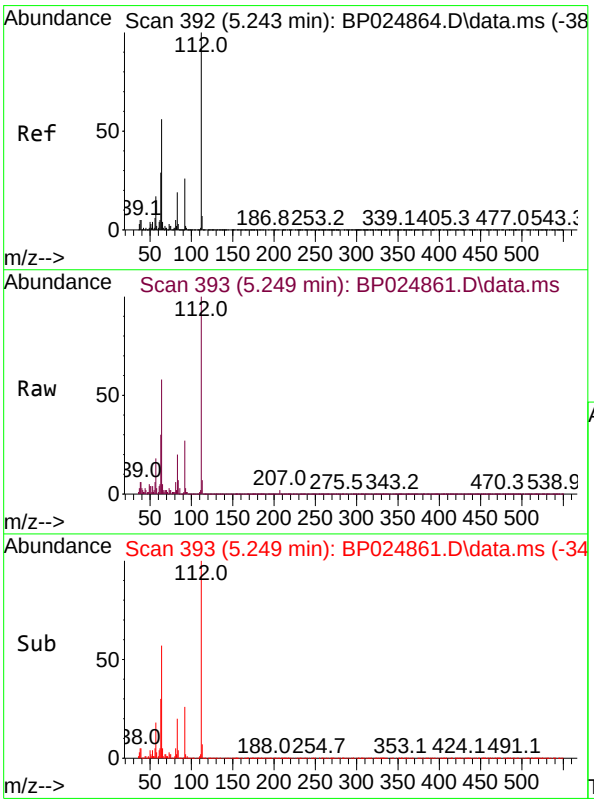
Ion	Ratio	Lower	Upper
79	100		
52	56.3	51.6	77.4
51	37.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

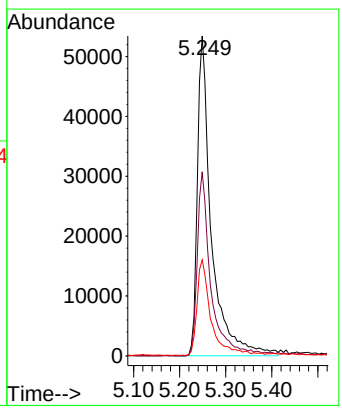
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

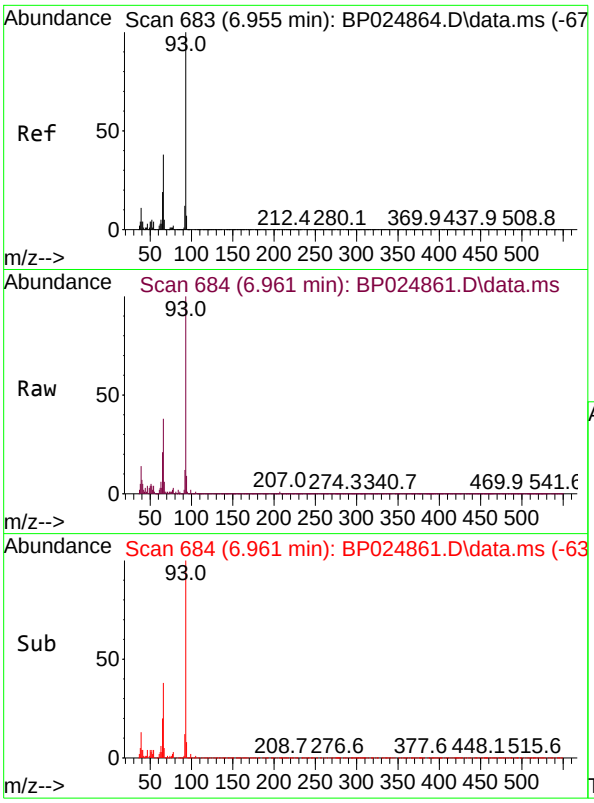


#5
2-Fluorophenol
Concen: 9.404 ng
RT: 5.249 min Scan# 393
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:112 Resp: 112787

Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.7	67.1
63	30.0	23.5	35.3

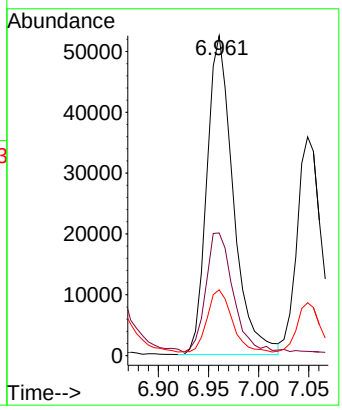




#6
Aniline
Concen: 4.737 ng
RT: 6.961 min Scan# 68
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 9593

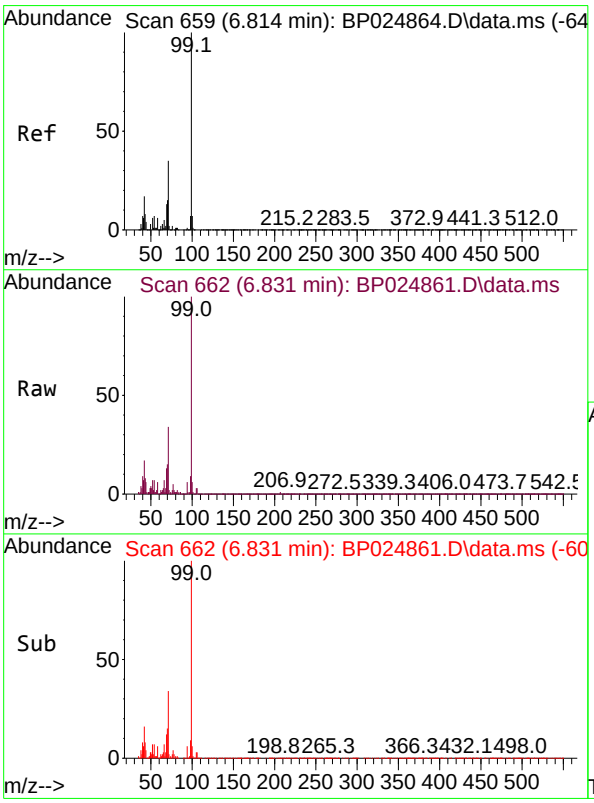
Ion	Ratio	Lower	Upper
93	100		
66	38.3	30.9	46.3
65	20.6	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

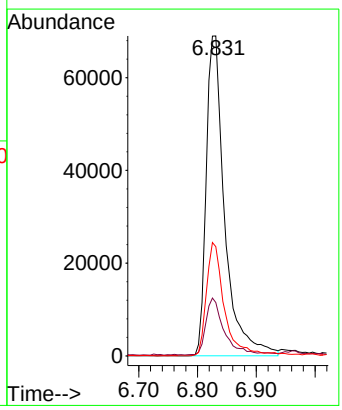
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

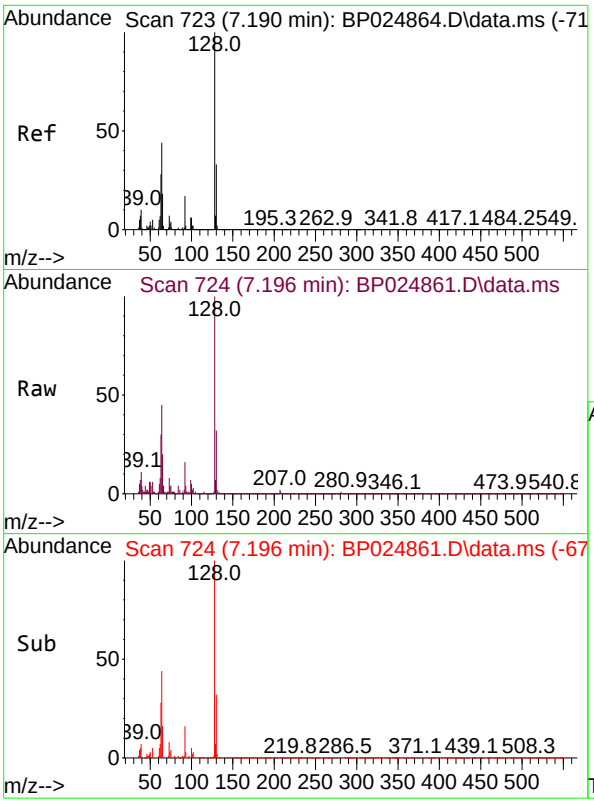


#7
Phenol-d6
Concen: 9.509 ng
RT: 6.831 min Scan# 662
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 99 Resp: 150891

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.2
71	34.1	27.6	41.4

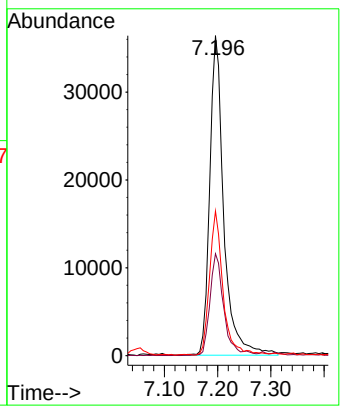




#8
2-Chlorophenol
Concen: 4.917 ng
RT: 7.196 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:128 Resp: 6685

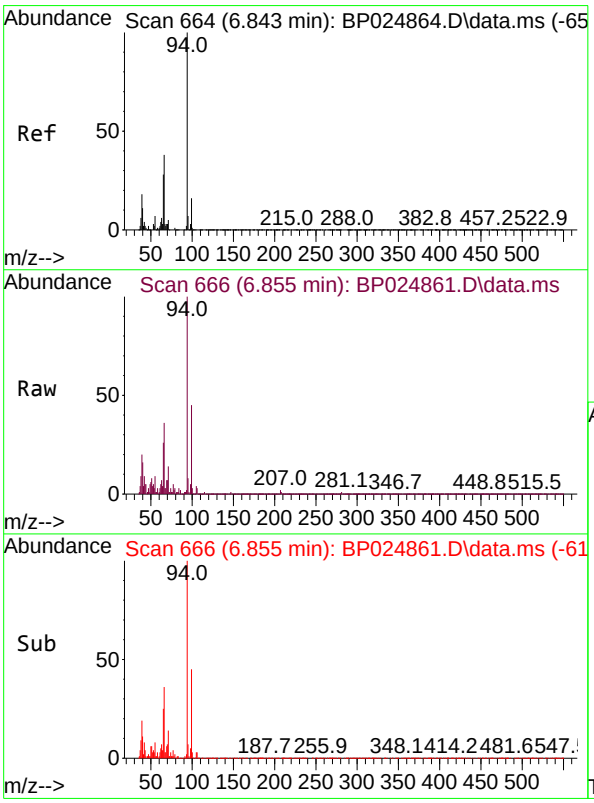
Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	45.2	24.1	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

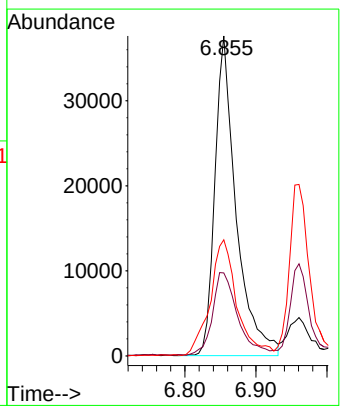
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

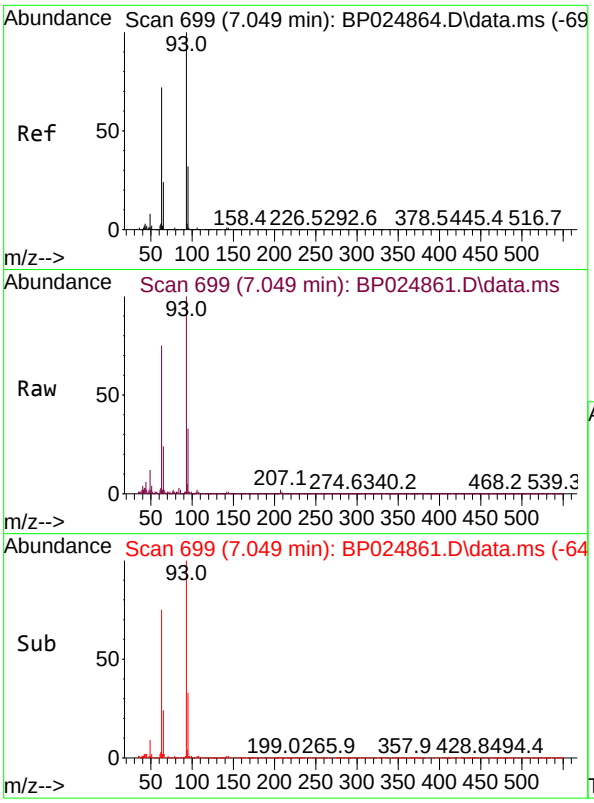


#10
Phenol
Concen: 4.774 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 94 Resp: 78090

Ion	Ratio	Lower	Upper
94	100		
65	25.9	8.3	48.3
66	36.3	18.2	58.2

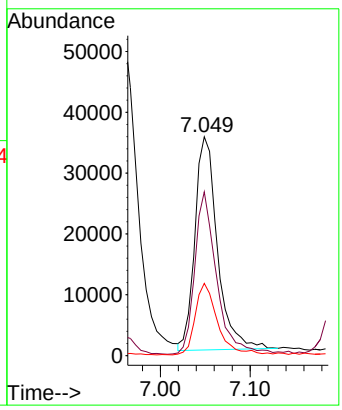




#11
bis(2-Chloroethyl)ether
Concen: 4.752 ng
RT: 7.049 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 6113

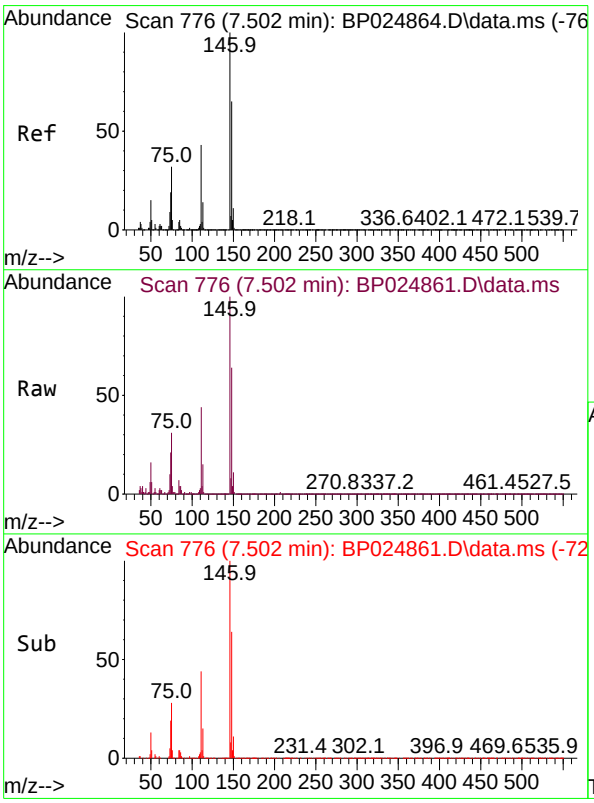
Ion	Ratio	Lower	Upper
93	100		
63	74.9	51.6	91.6
95	33.0	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

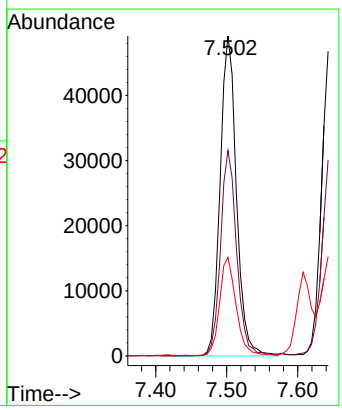
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

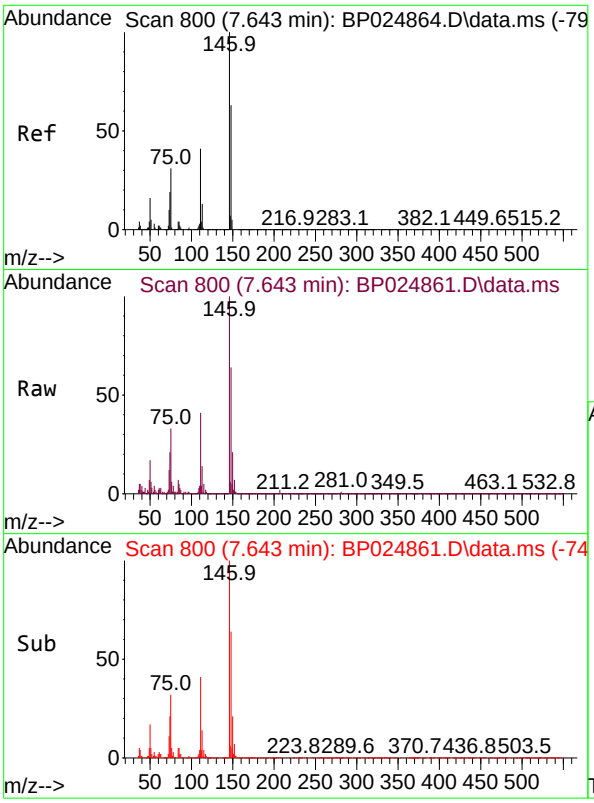


#12
1,3-Dichlorobenzene
Concen: 5.180 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 78560

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	30.8	25.3	37.9

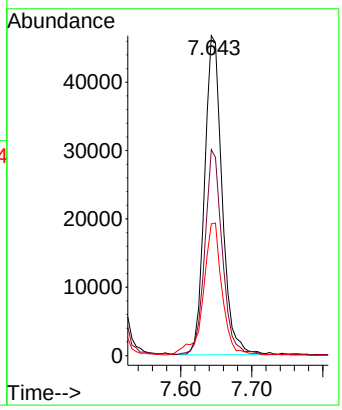




#13
1,4-Dichlorobenzene
Concen: 5.221 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 7989

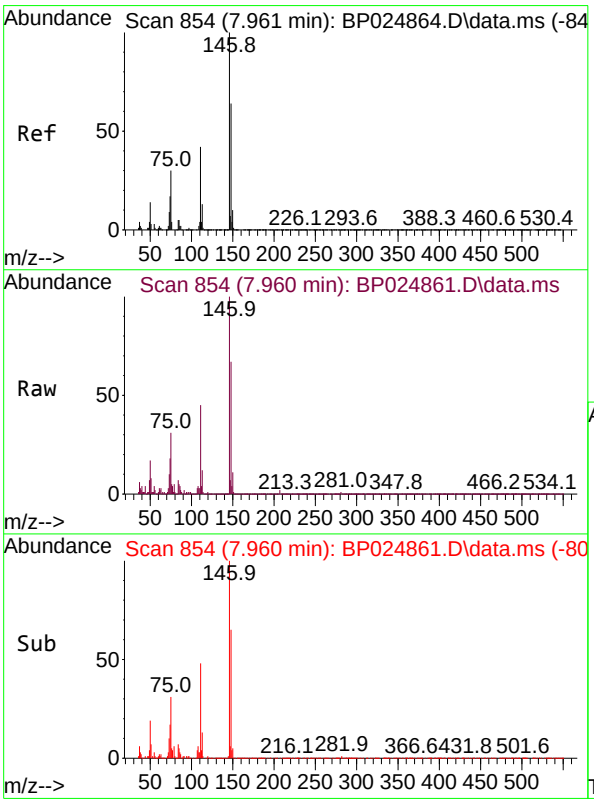
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	41.2	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

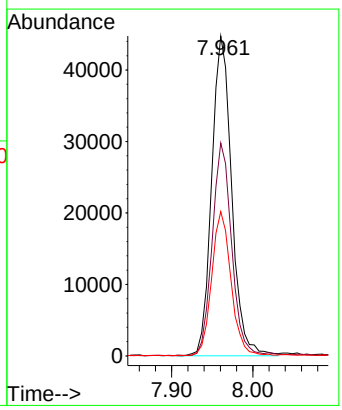
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

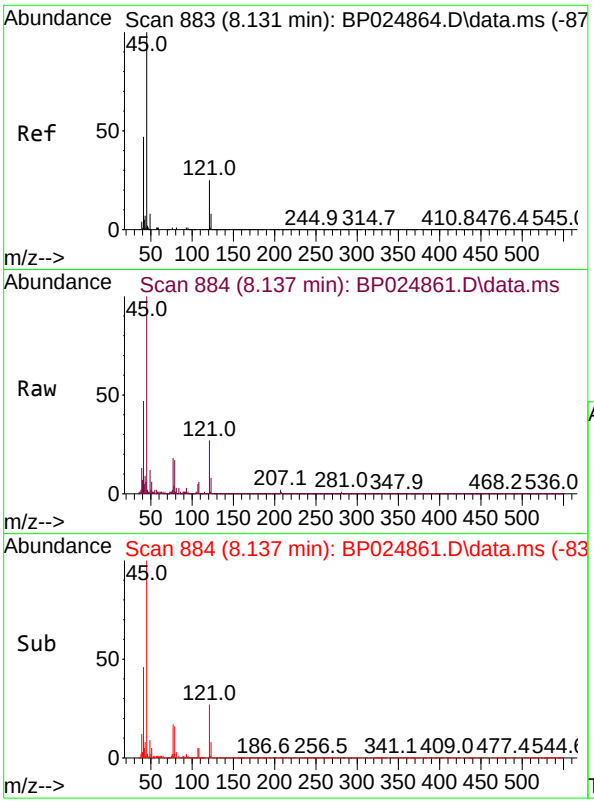


#14
1,2-Dichlorobenzene
Concen: 5.092 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 76524

Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.0	76.4
111	45.1	33.8	50.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.196 ng
RT: 8.137 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

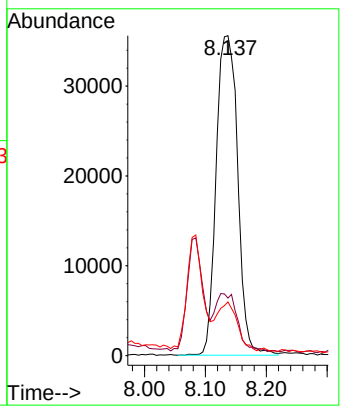
Tgt Ion: 45 Resp: 8749

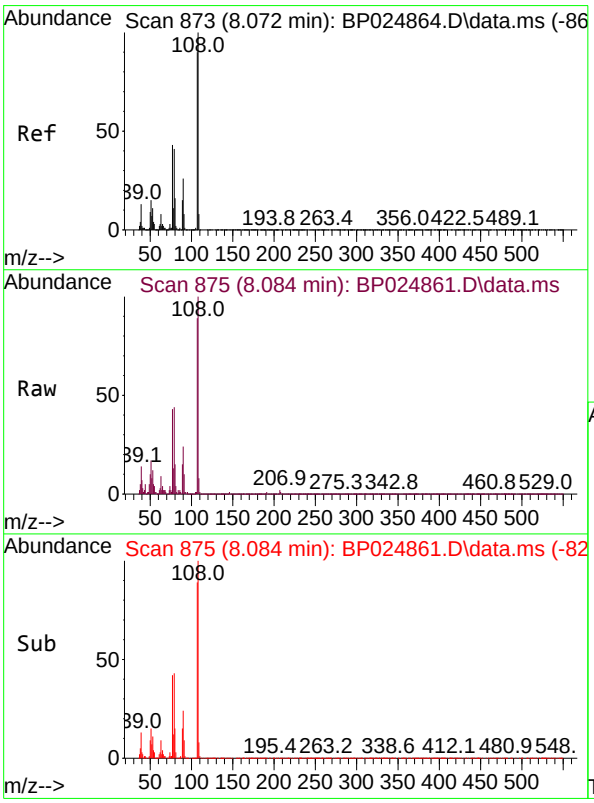
Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	36.3
79	16.8	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

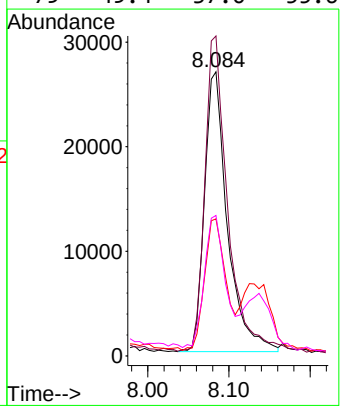


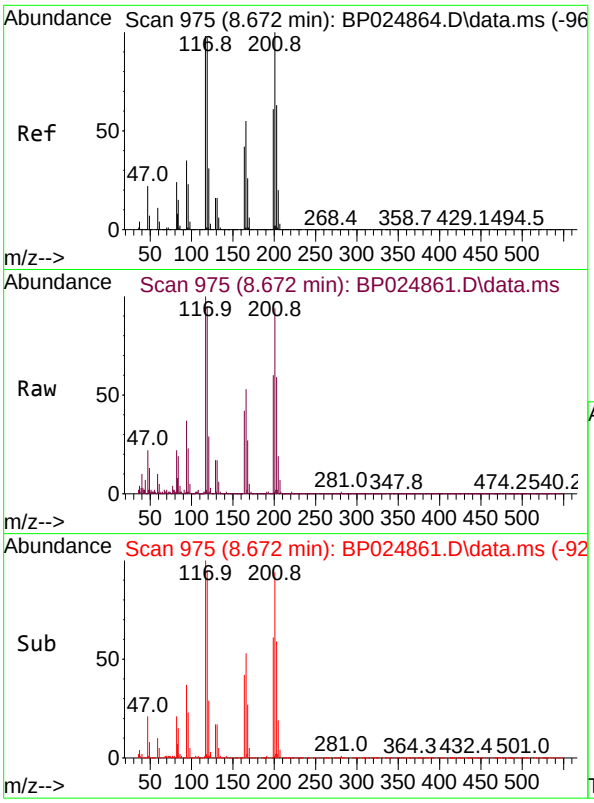


#17
2-Methylphenol
Concen: 4.615 ng
RT: 8.084 min Scan# 875
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:107 Resp: 52716

Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.6	132.8
77	48.3	38.5	57.7
79	49.4	37.0	55.6

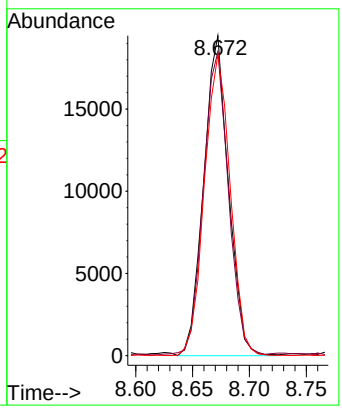




#18
Hexachloroethane
Concen: 5.132 ng
RT: 8.672 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:117 Resp: 2957

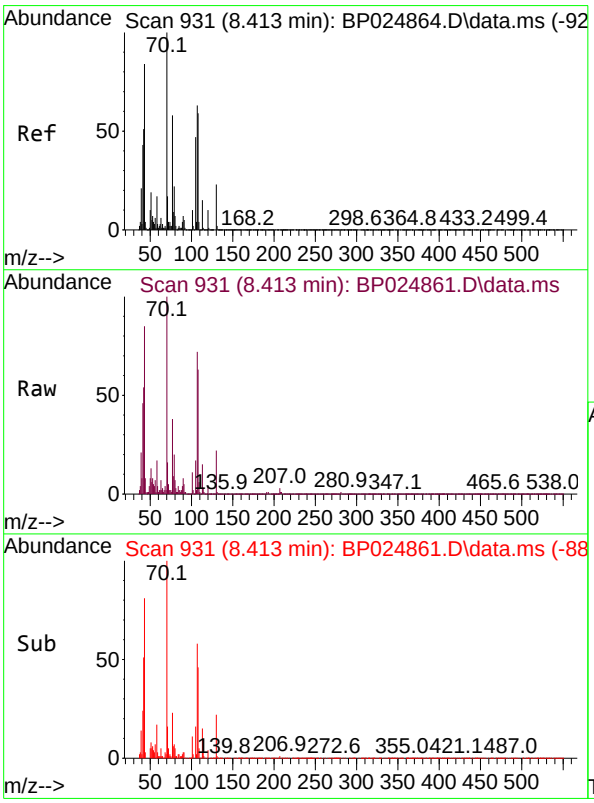
Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.4	119.2
201	94.1	81.4	122.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

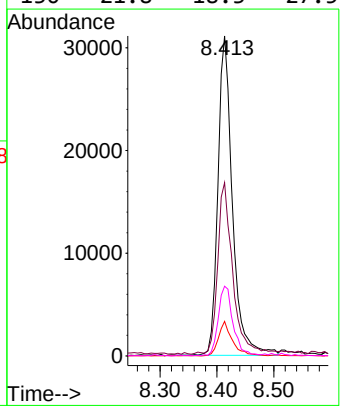
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

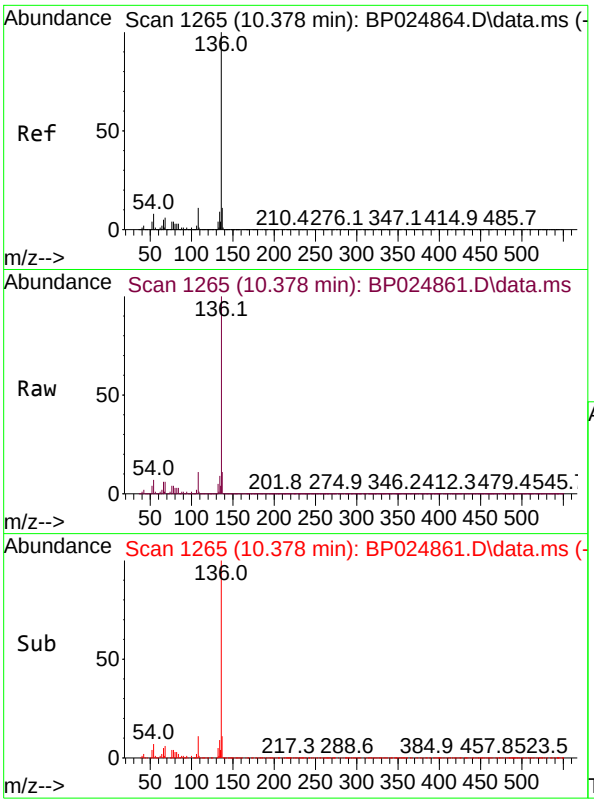


#19
n-Nitroso-di-n-propylamine
Concen: 5.108 ng
RT: 8.413 min Scan# 931
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 70 Resp: 55096

Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.2	61.8
101	10.8	8.3	12.5
130	21.8	18.3	27.5

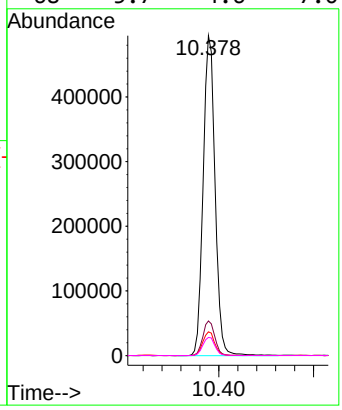




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:136 Resp: 86318

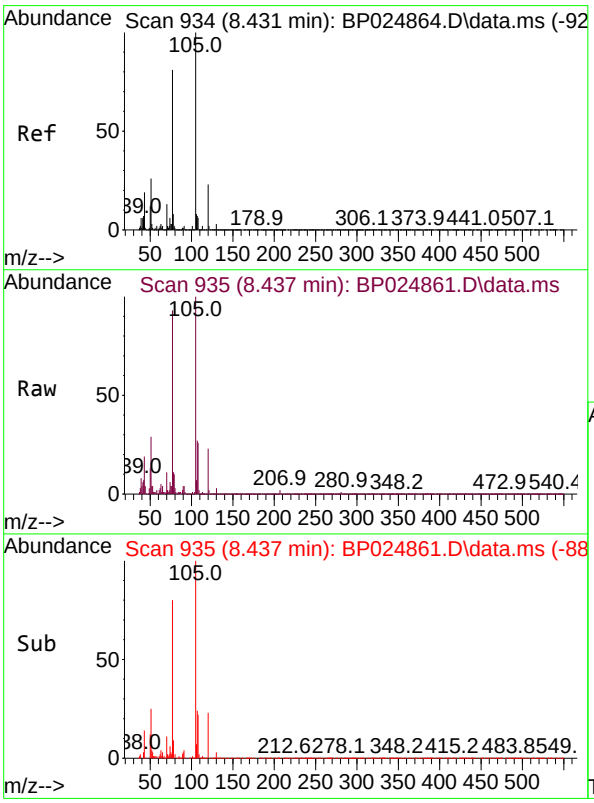
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	5.7	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

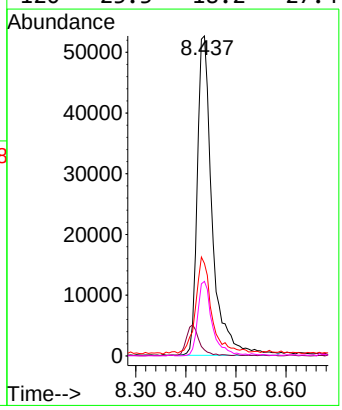
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

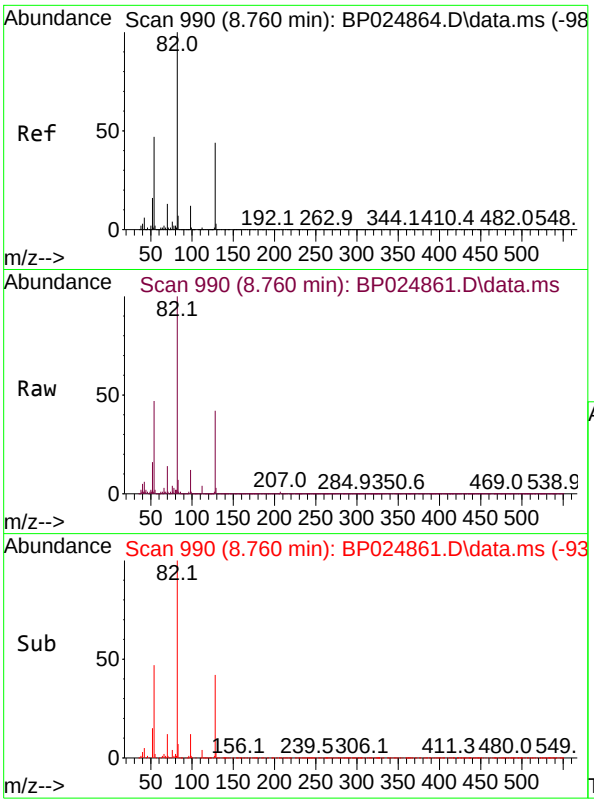


#22
Acetophenone
Concen: 5.010 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:105 Resp: 109271

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.6	2.4
51	28.9	20.6	31.0
120	23.3	18.2	27.4

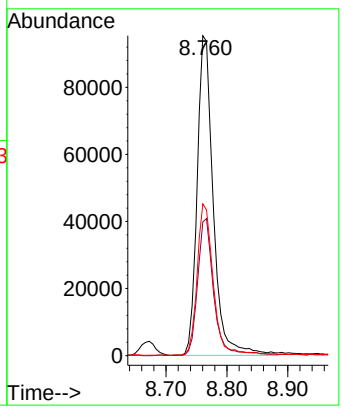




#23
Nitrobenzene-d5
Concen: 9.893 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 82 Resp: 175746

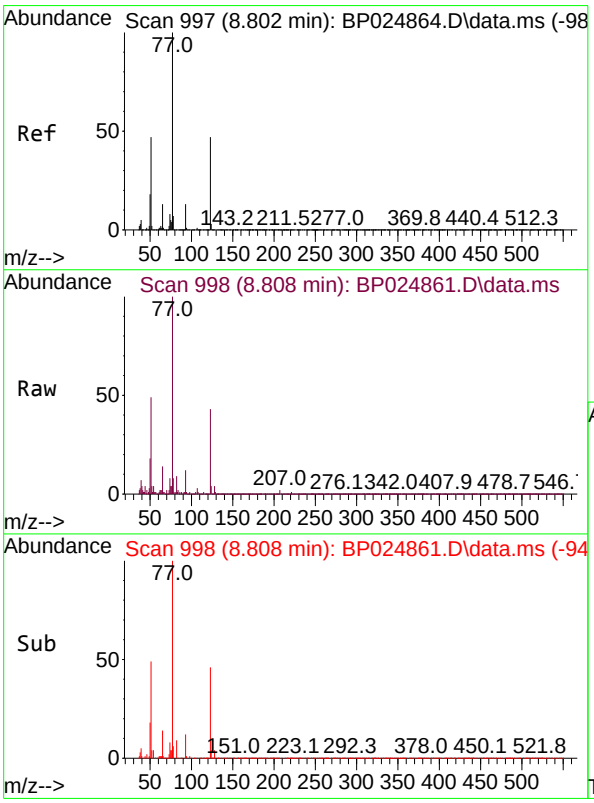
Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.3	52.9
54	47.4	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

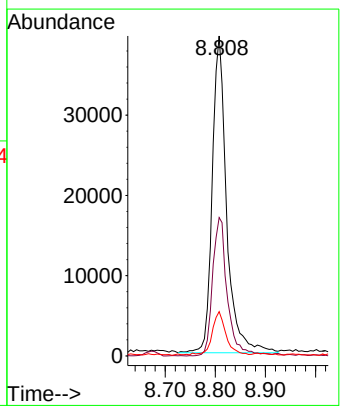
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

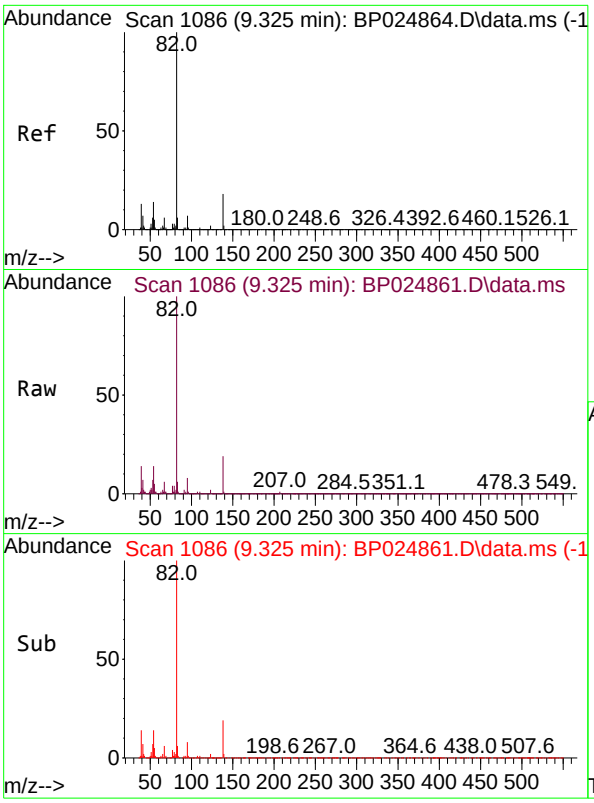


#24
Nitrobenzene
Concen: 5.008 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 77 Resp: 79033

Ion	Ratio	Lower	Upper
77	100		
123	43.2	37.3	55.9
65	13.8	10.8	16.2





#25
Isophorone
Concen: 4.932 ng
RT: 9.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

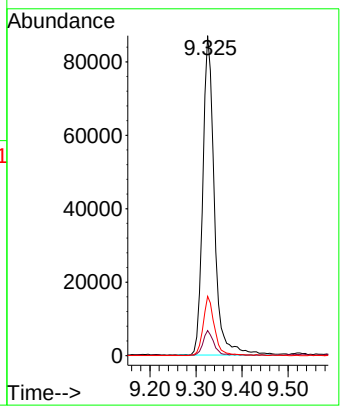
Tgt Ion: 82 Resp: 15183

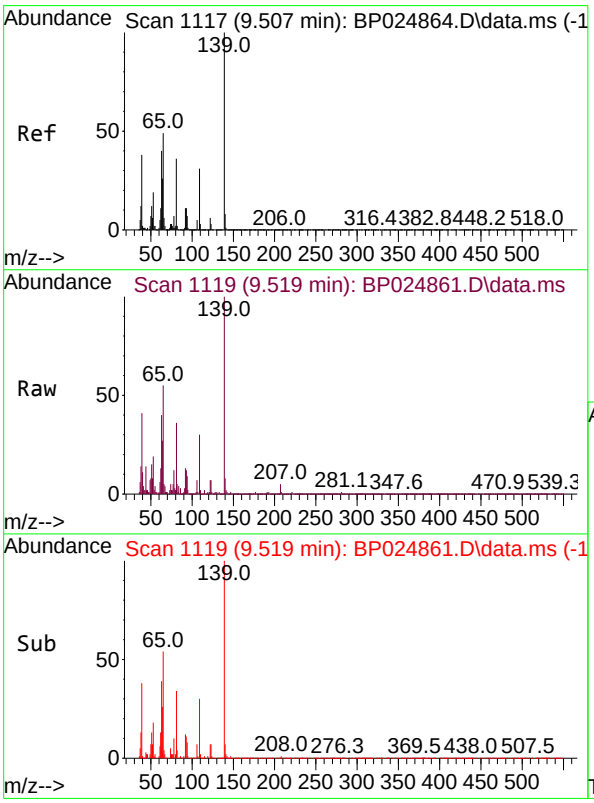
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.9	8.9
138	18.5	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

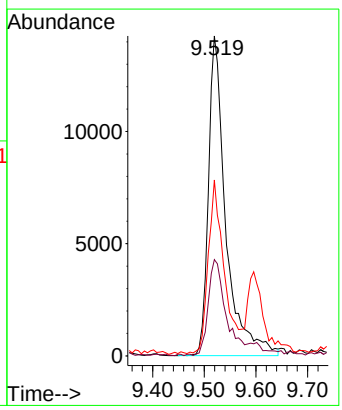


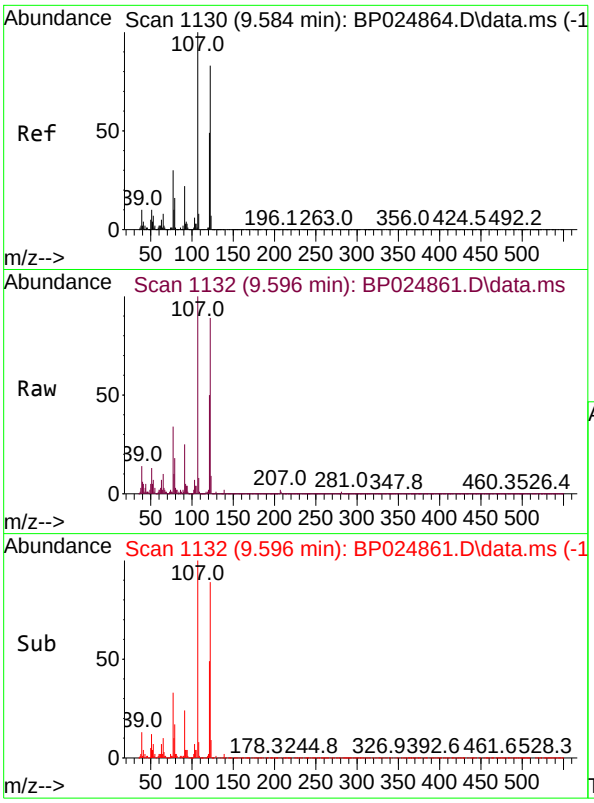


#26
2-Nitrophenol
Concen: 4.266 ng
RT: 9.519 min Scan# 1119
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:139 Resp: 33214

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.6	37.0
65	55.0	39.5	59.3

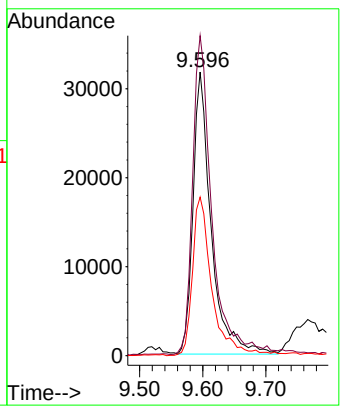




#27
2,4-Dimethylphenol
Concen: 4.759 ng
RT: 9.596 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:122 Resp: 6341

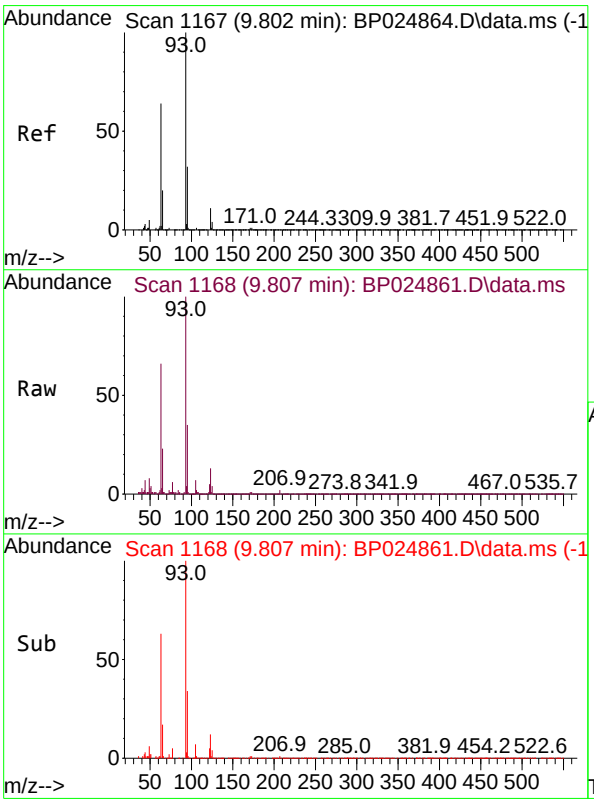
Ion	Ratio	Lower	Upper
122	100		
107	112.8	96.2	144.4
121	55.9	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

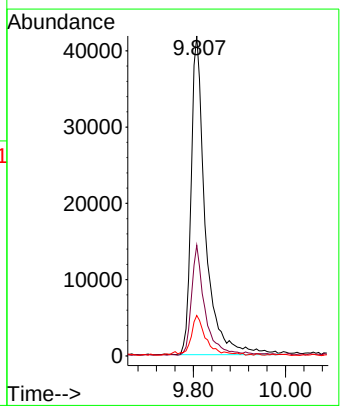
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

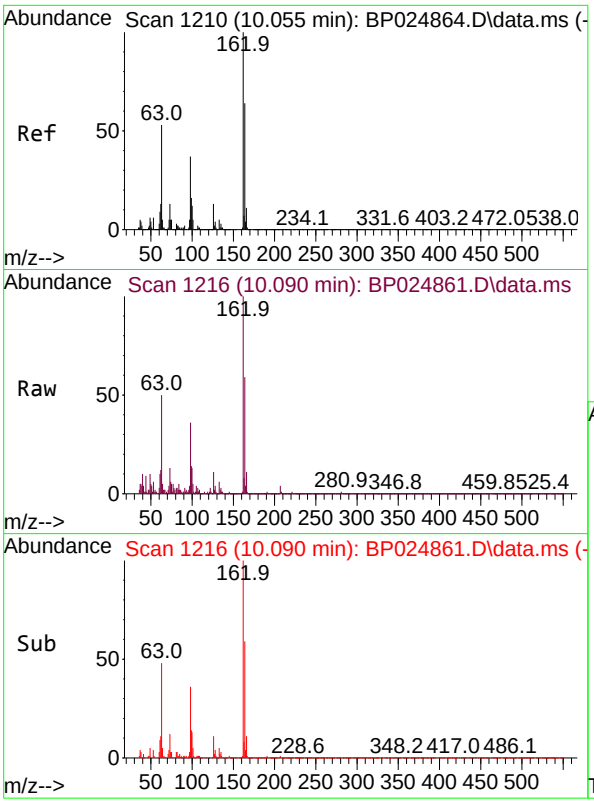


#28
bis(2-Chloroethoxy)methane
Concen: 4.862 ng
RT: 9.807 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 89295

Ion	Ratio	Lower	Upper
93	100		
95	34.6	25.5	38.3
123	12.6	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 4.158 ng
RT: 10.090 min Scan# 1
Delta R.T. 0.035 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

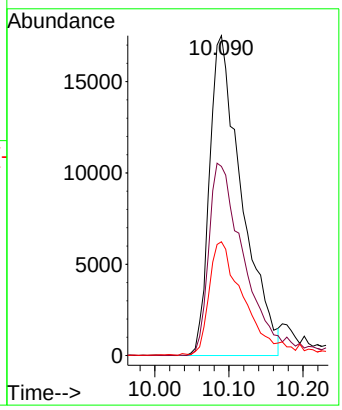
Tgt Ion:162 Resp: 5316

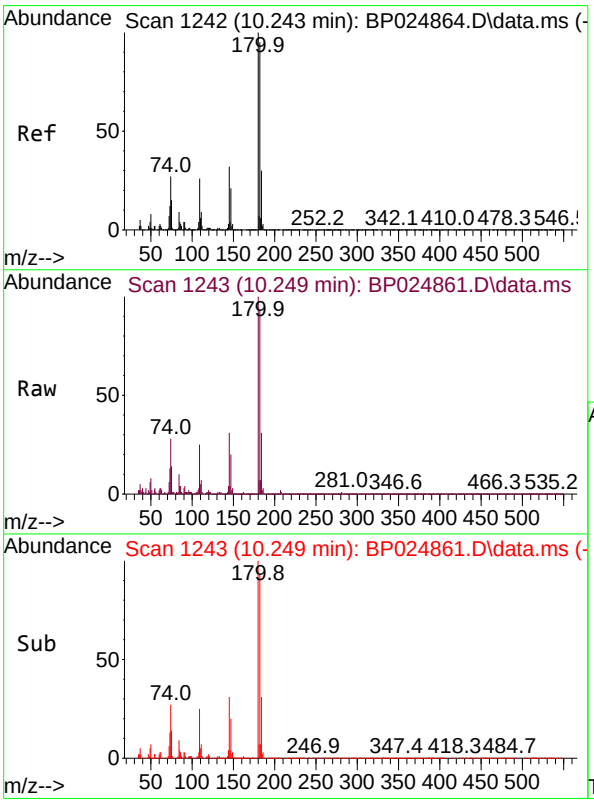
Ion	Ratio	Lower	Upper
162	100		
164	59.1	44.0	84.0
98	35.6	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

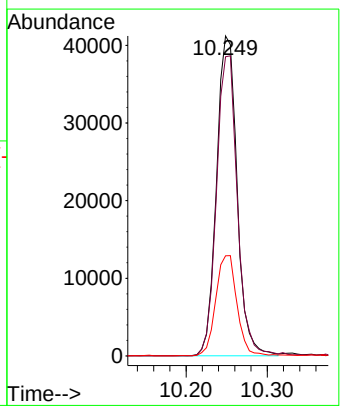


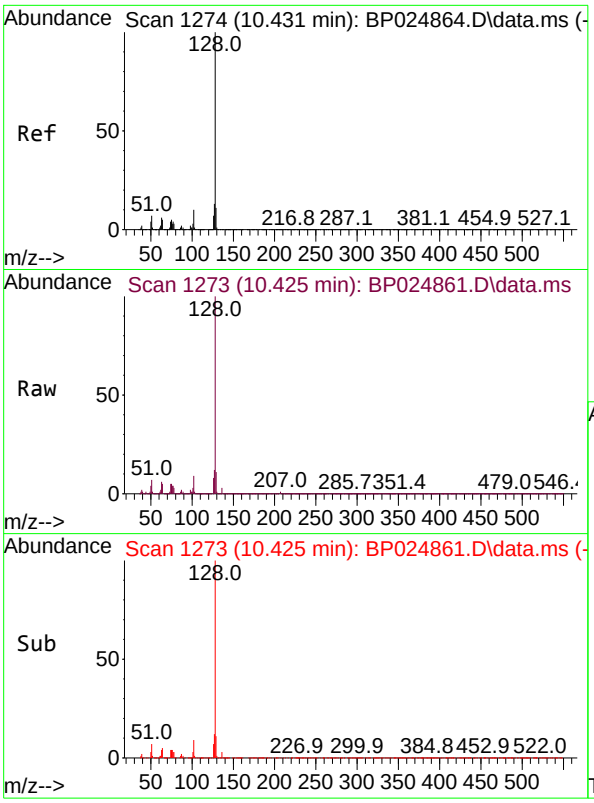


#30
1,2,4-Trichlorobenzene
Concen: 5.018 ng
RT: 10.249 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:180 Resp: 72373

Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.6
145	31.3	25.7	38.5

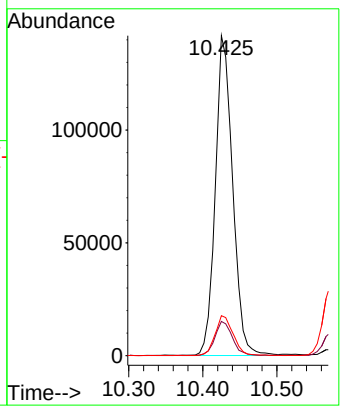




#31
Naphthalene
Concen: 5.223 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:128 Resp: 23102

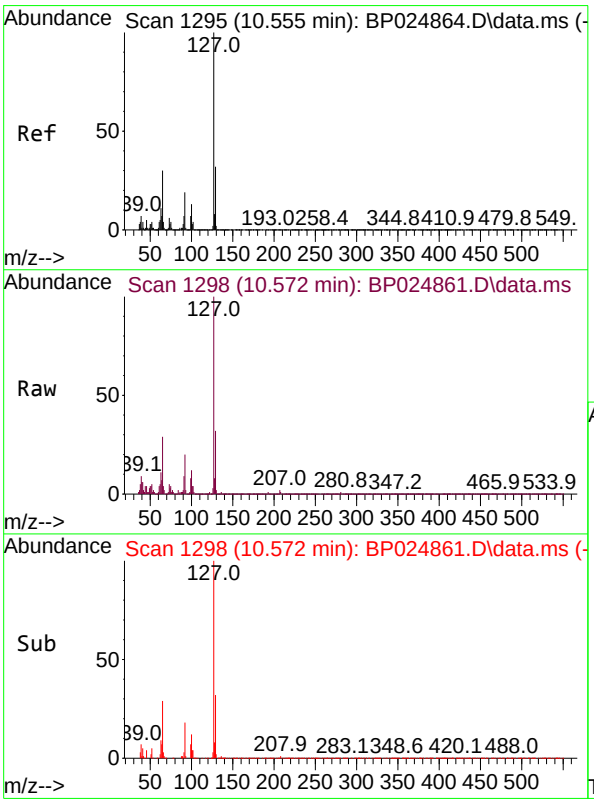
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

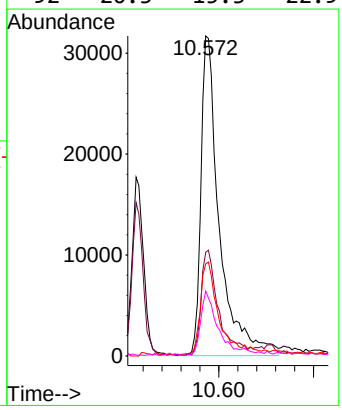
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

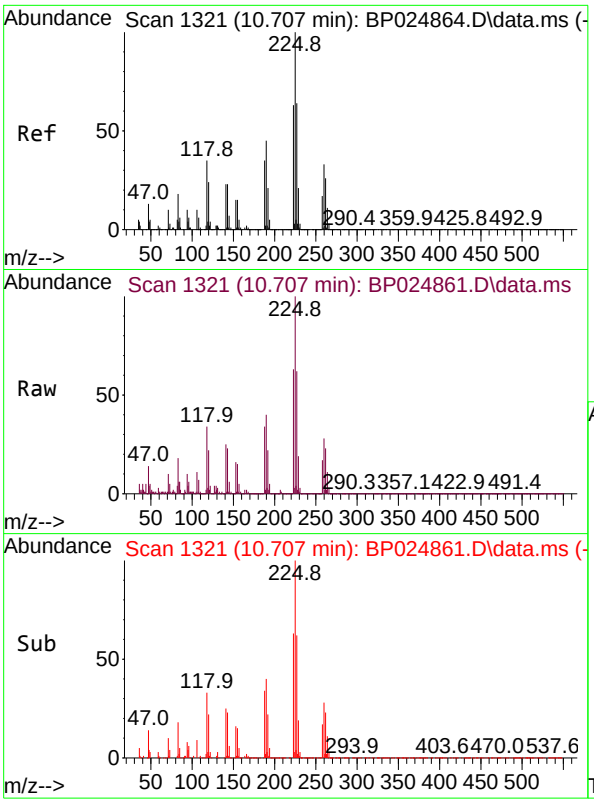


#33
4-Chloroaniline
Concen: 4.622 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:127 Resp: 85657

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	28.8	23.9	35.9
92	20.3	15.3	22.9

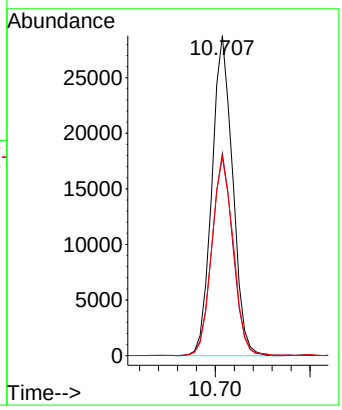




#34
Hexachlorobutadiene
Concen: 5.044 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:225 Resp: 4384

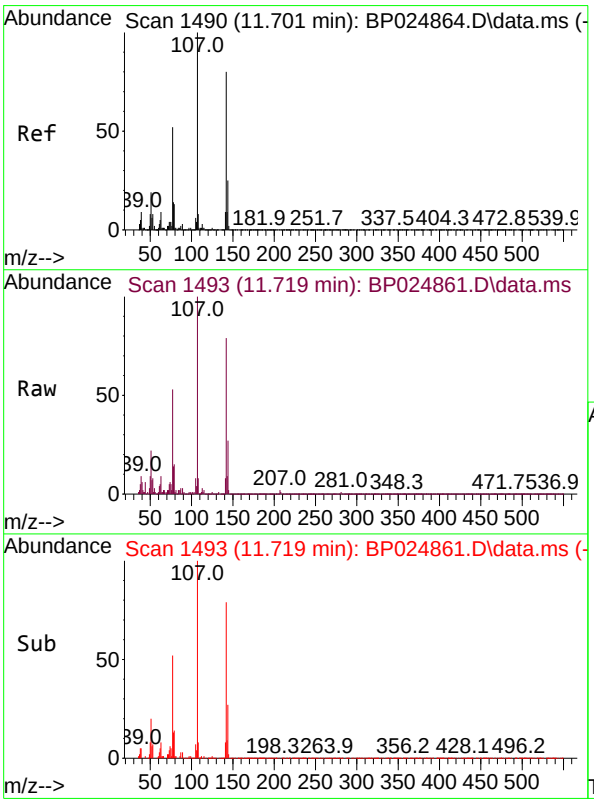
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7
227	62.0	51.4	77.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

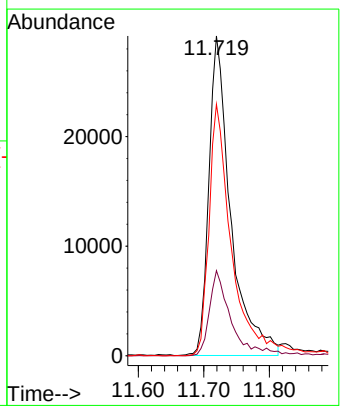
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

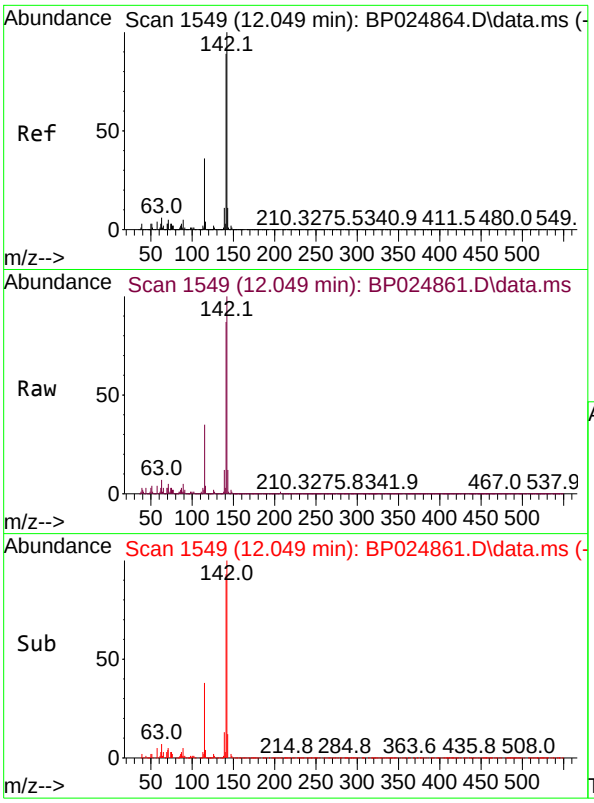


#36
4-Chloro-3-methylphenol
Concen: 4.569 ng
RT: 11.719 min Scan# 1493
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:107 Resp: 67386

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.4	30.6
142	78.6	63.8	95.6

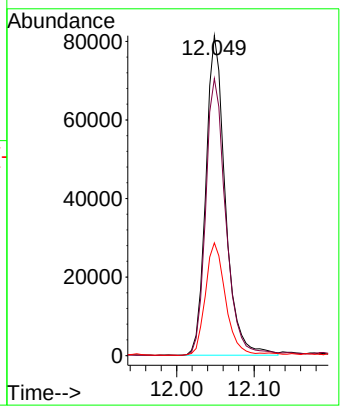




#37
2-Methylnaphthalene
Concen: 5.070 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:142 Resp: 14225

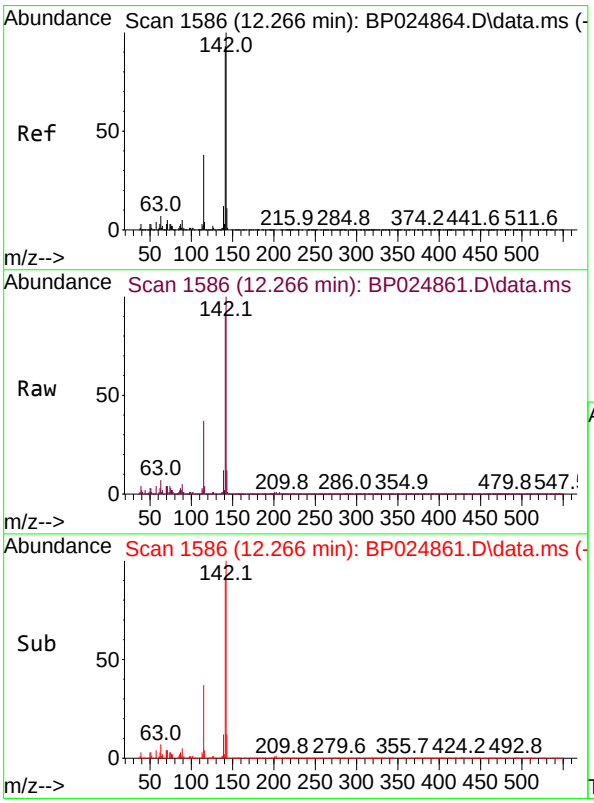
Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.2	106.8
115	35.2	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

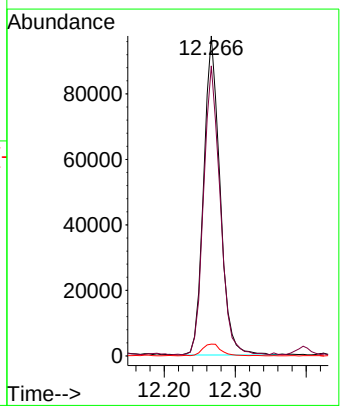
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

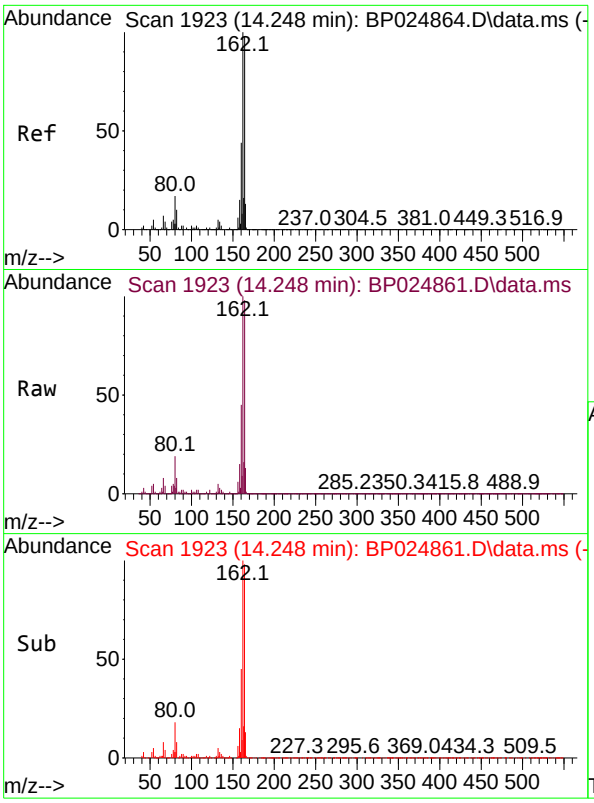


#38
1-Methylnaphthalene
Concen: 5.178 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:142 Resp: 155333

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.7	112.1
116	3.7	3.4	5.0

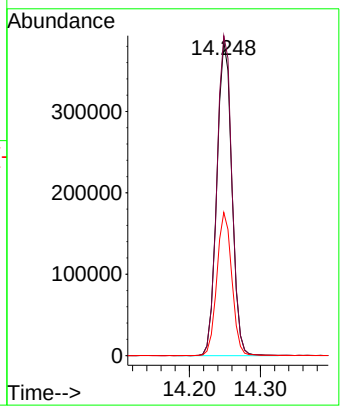




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:164 Resp: 56724

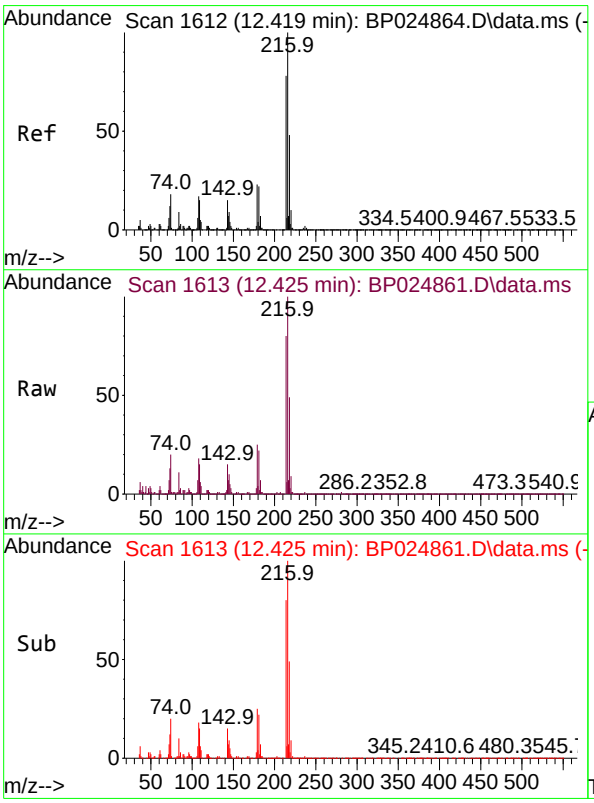
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.6	122.4
160	45.6	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

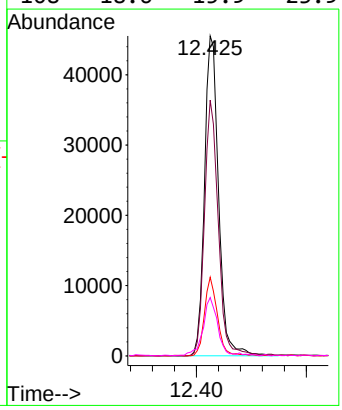
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

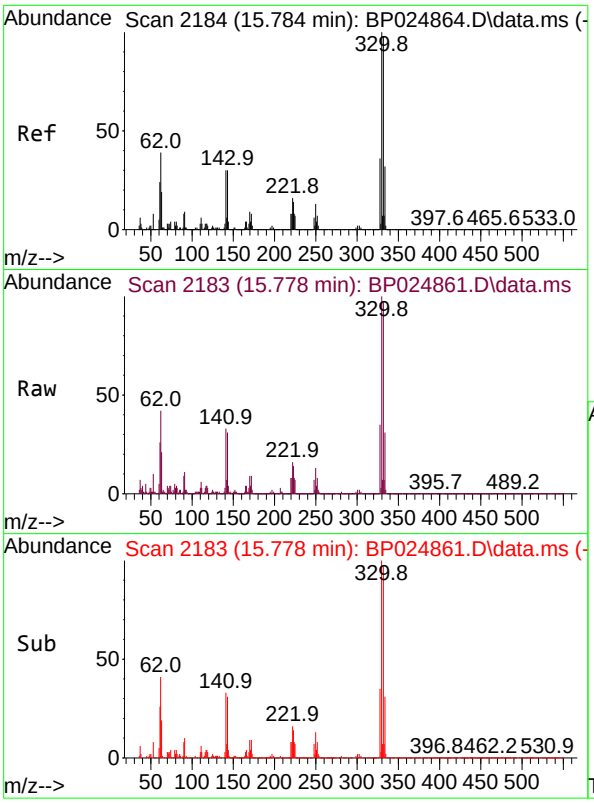


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.008 ng
RT: 12.425 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:216 Resp: 80613

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.4
179	22.8	17.8	26.6
108	18.6	15.9	23.9

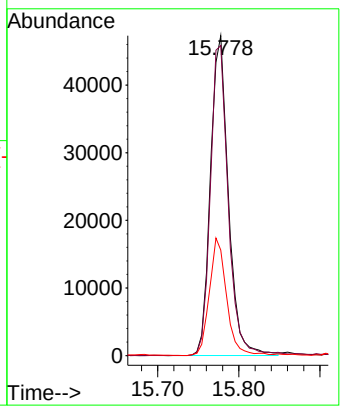




#42
2,4,6-Tribromophenol
Concen: 9.274 ng
RT: 15.778 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:330 Resp: 7272

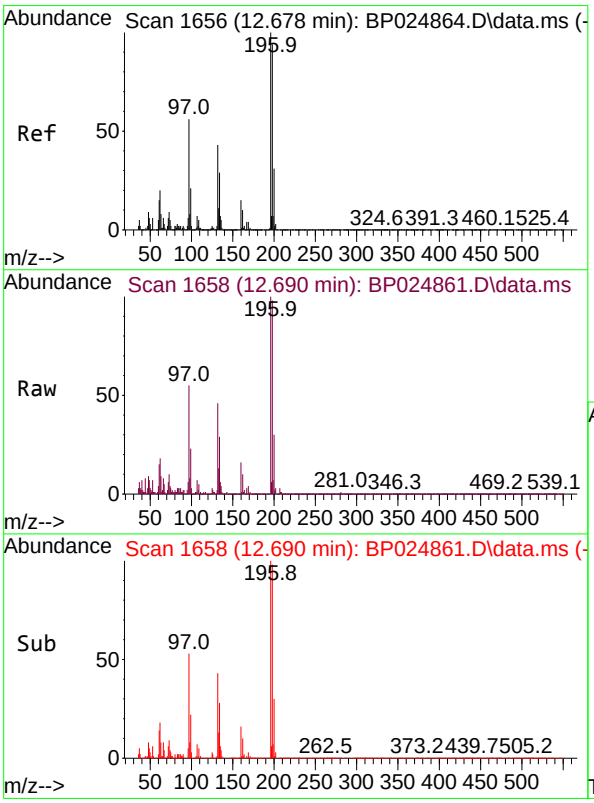
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	35.4	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

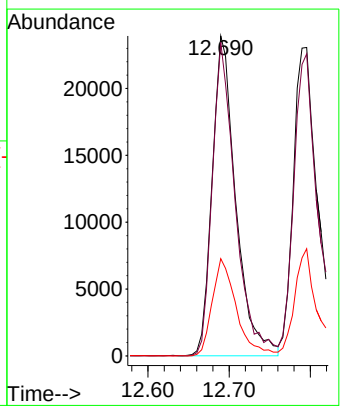
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

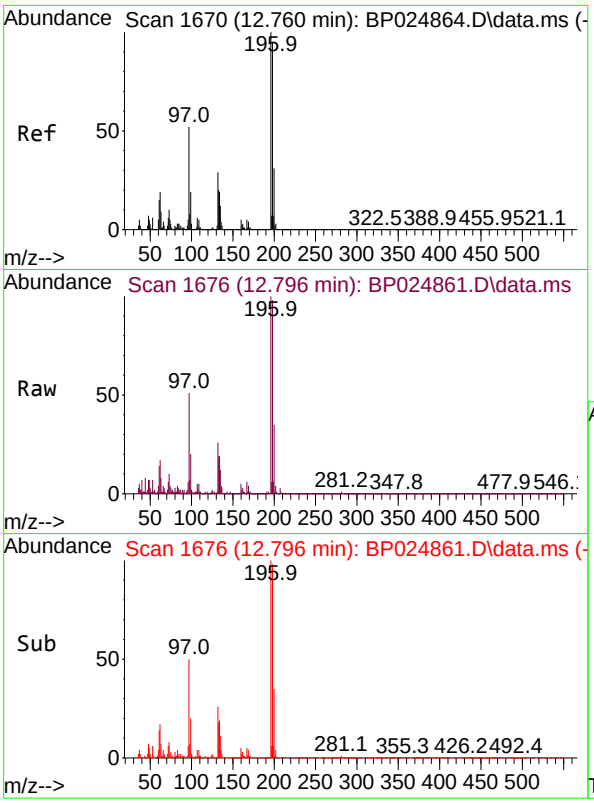


#43
2,4,6-Trichlorophenol
Concen: 4.487 ng
RT: 12.690 min Scan# 1658
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:196 Resp: 48501

Ion	Ratio	Lower	Upper
196	100		
198	98.0	75.4	113.0
200	30.4	24.4	36.6

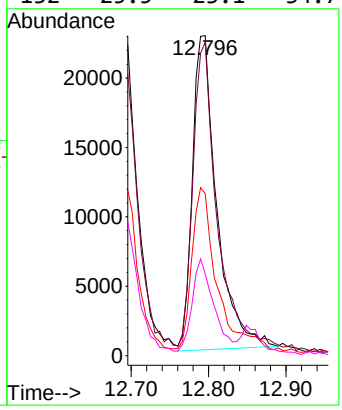




#44
2,4,5-Trichlorophenol
Concen: 4.269 ng
RT: 12.796 min Scan# 1
Delta R.T. 0.035 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:196 Resp: 4942

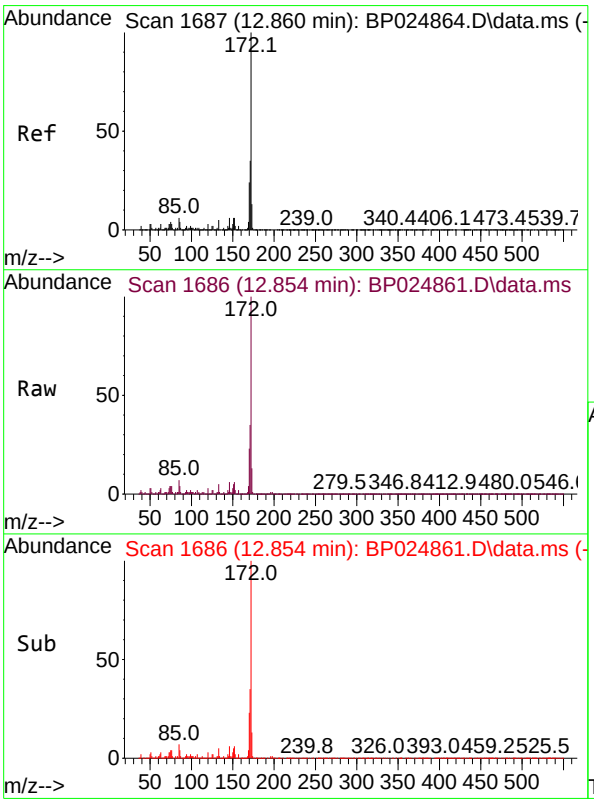
Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.0	114.0
97	50.6	41.5	62.3
132	25.5	23.1	34.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

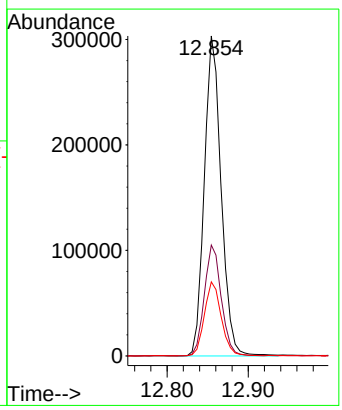
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

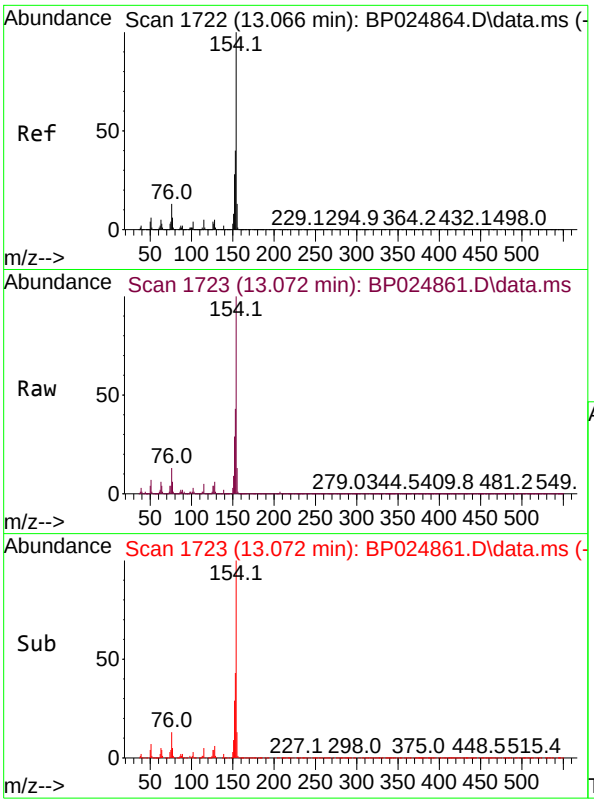


#45
2-Fluorobiphenyl
Concen: 10.390 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:172 Resp: 437483

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	23.1	19.0	28.4

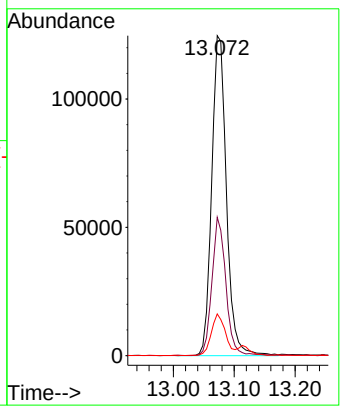




#46
1,1'-Biphenyl
Concen: 5.082 ng
RT: 13.072 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:154 Resp: 20948

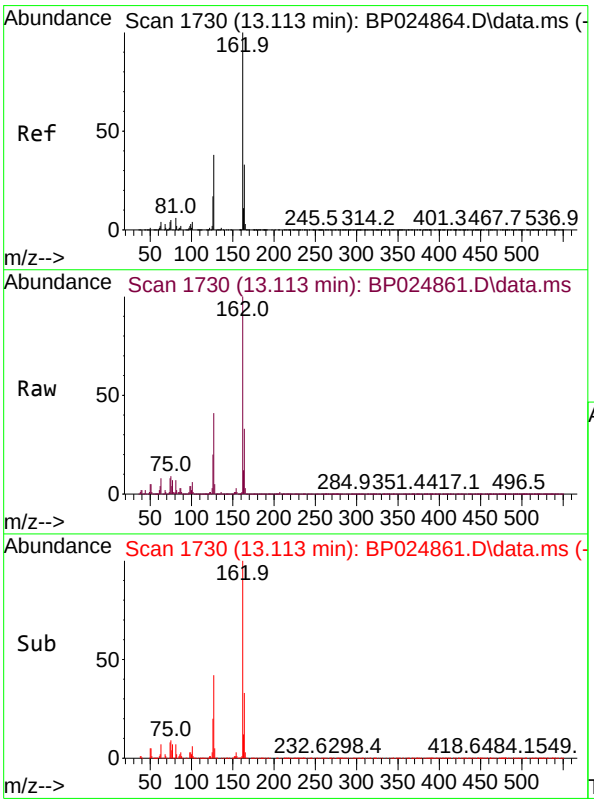
Ion	Ratio	Lower	Upper
154	100		
153	43.2	20.3	60.3
76	13.0	0.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

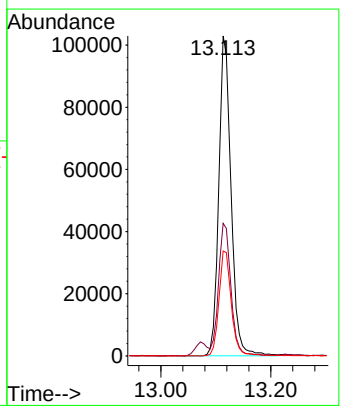
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

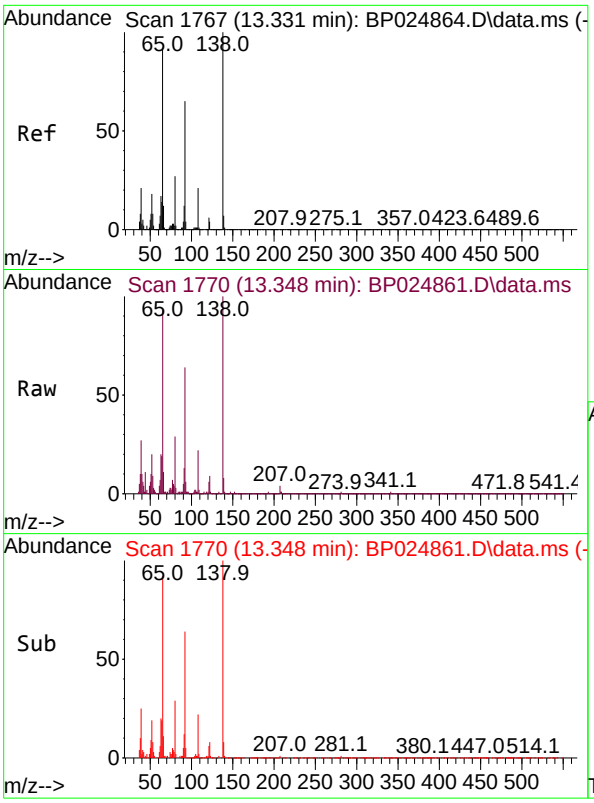


#47
2-Chloronaphthalene
Concen: 5.026 ng
RT: 13.113 min Scan# 1730
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:162 Resp: 159251

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.8	26.2	39.2

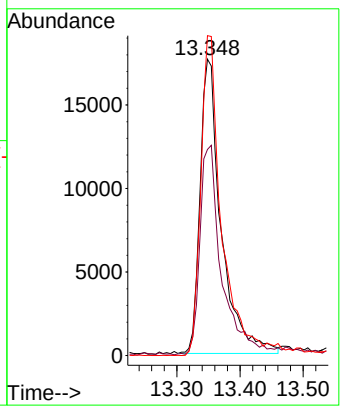




#48
2-Nitroaniline
Concen: 4.207 ng
RT: 13.348 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 65 Resp: 4098

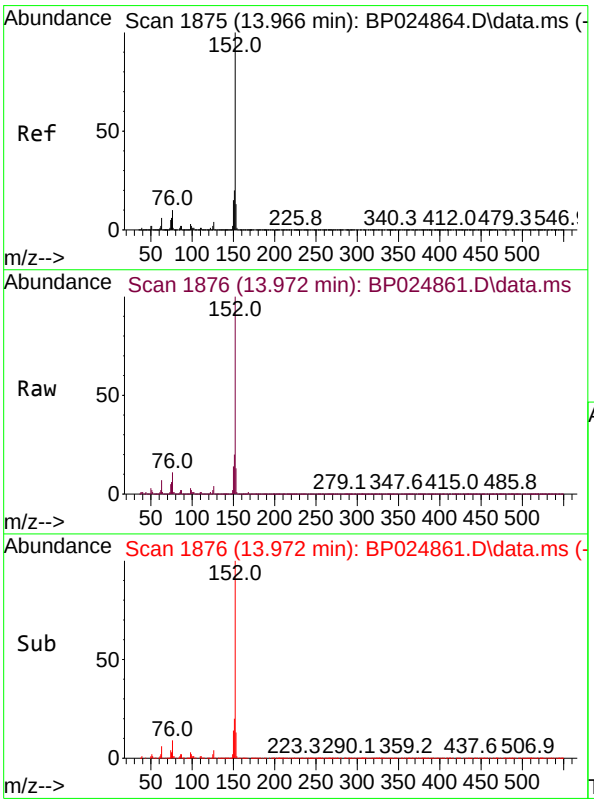
Ion	Ratio	Lower	Upper
65	100		
92	69.6	56.8	85.2
138	107.9	86.9	130.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

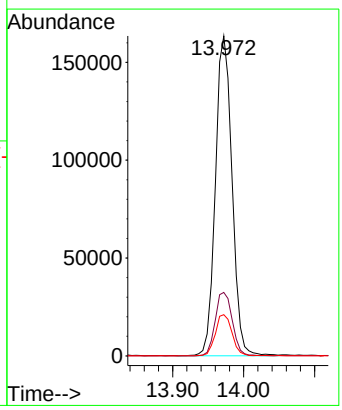
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

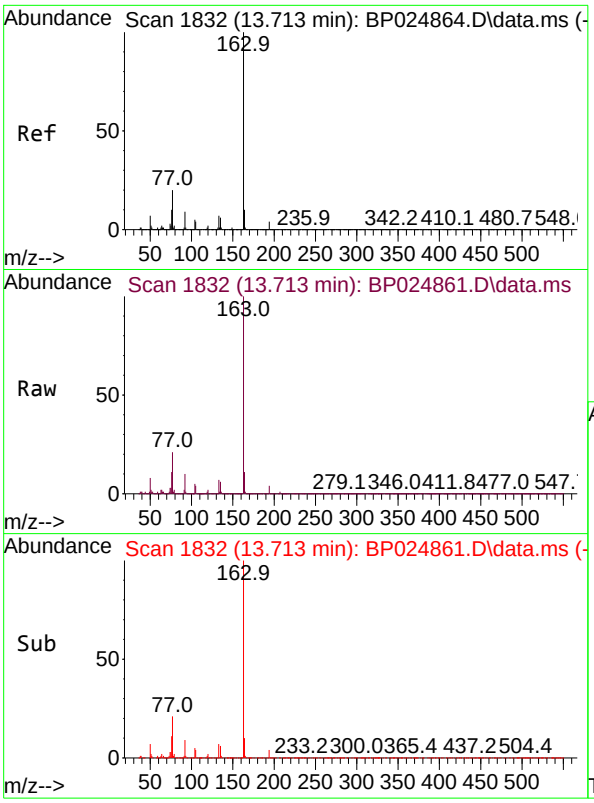


#49
Acenaphthylene
Concen: 5.047 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:152 Resp: 266639

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.9	10.6	15.8

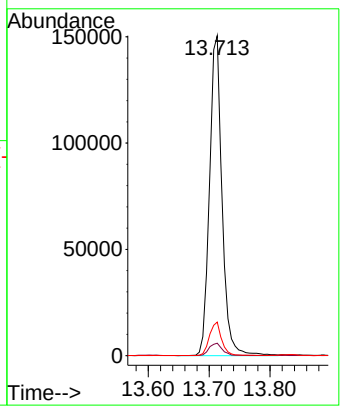




#50
Dimethylphthalate
Concen: 5.136 ng
RT: 13.713 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:163 Resp: 21489

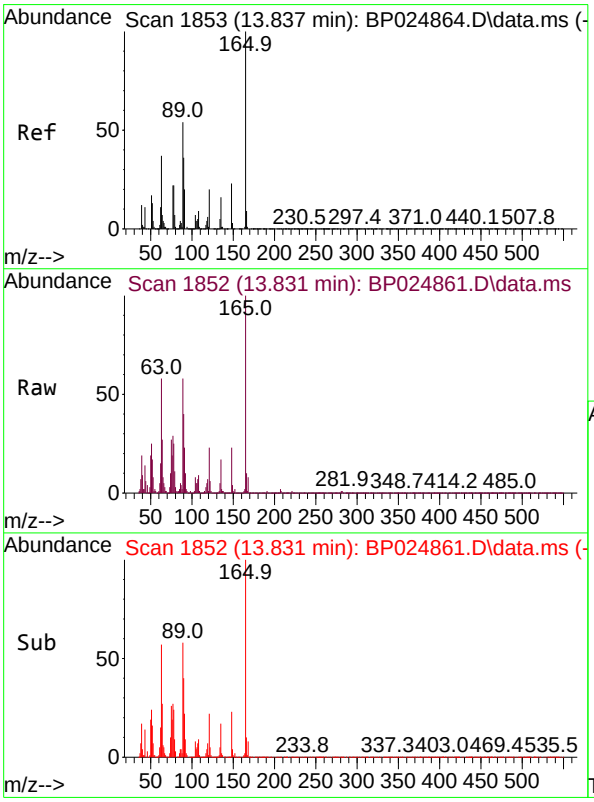
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.5	8.0	12.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

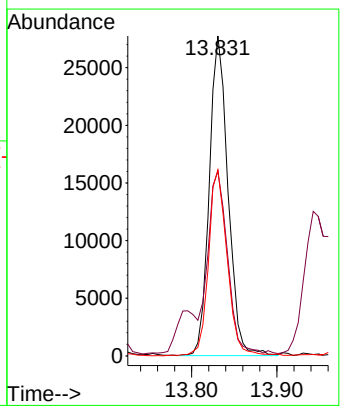
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

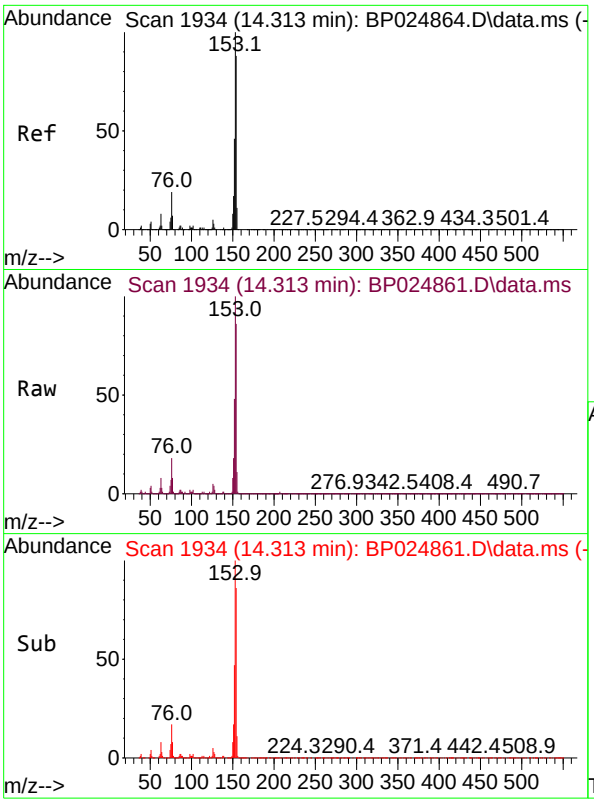


#51
2,6-Dinitrotoluene
Concen: 4.693 ng
RT: 13.831 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:165 Resp: 42335

Ion	Ratio	Lower	Upper
165	100		
63	57.7	41.8	62.8
89	58.1	43.1	64.7

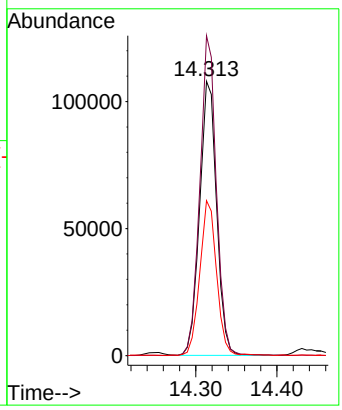




#52
Acenaphthene
Concen: 5.181 ng
RT: 14.313 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:154 Resp: 15683

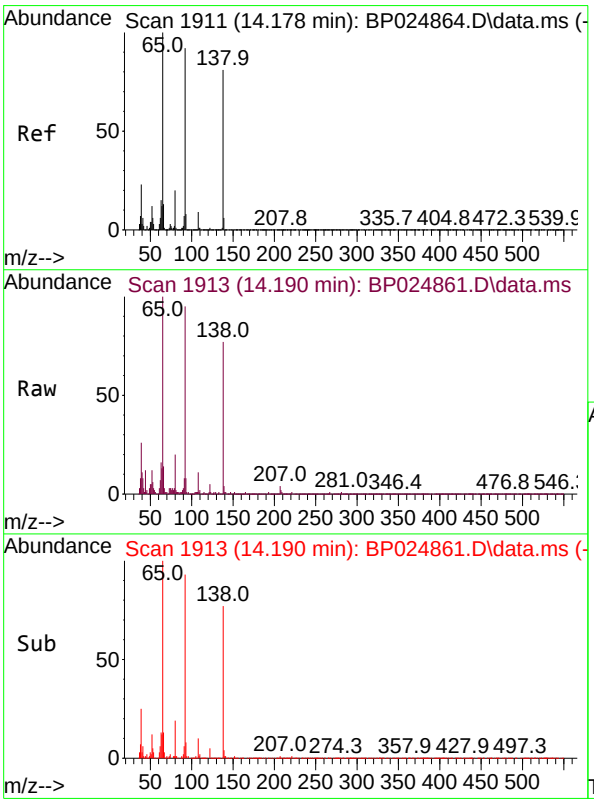
Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.5	135.7
152	56.5	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

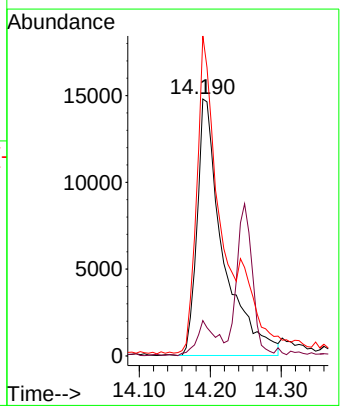
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

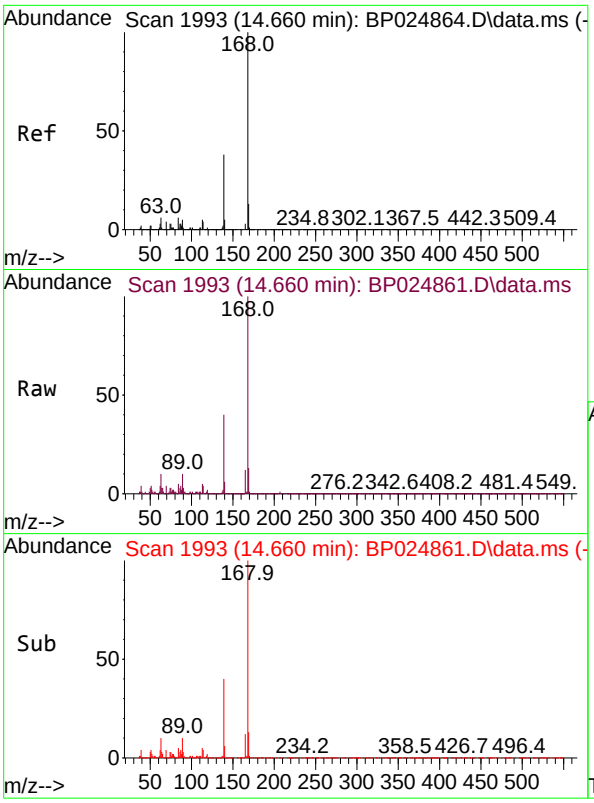


#53
3-Nitroaniline
Concen: 3.983 ng
RT: 14.190 min Scan# 1913
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:138 Resp: 37288

Ion	Ratio	Lower	Upper
138	100		
108	13.8	8.6	12.8#
92	124.5	91.3	136.9

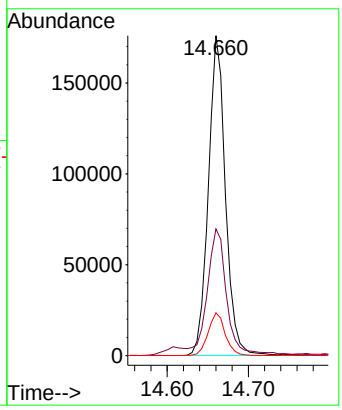




#55
Dibenzofuran
Concen: 5.297 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:168 Resp: 25737

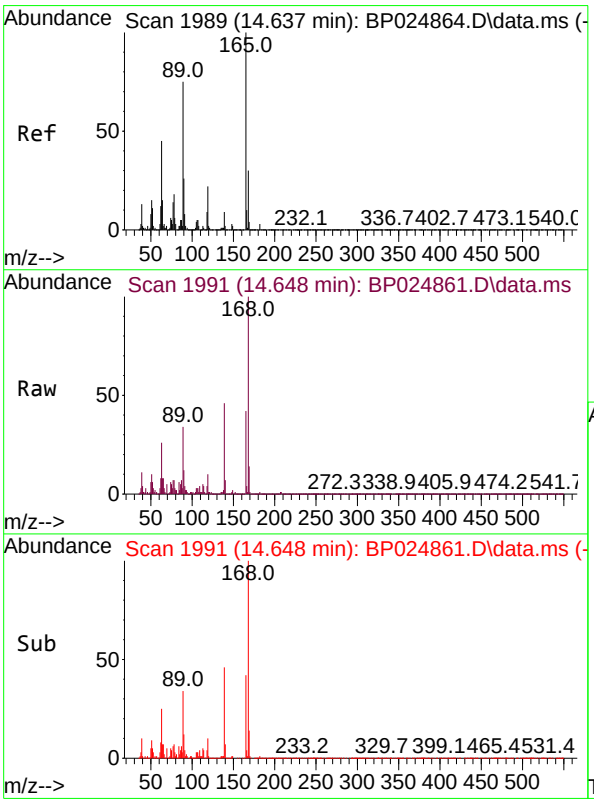
Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.6	47.4
169	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

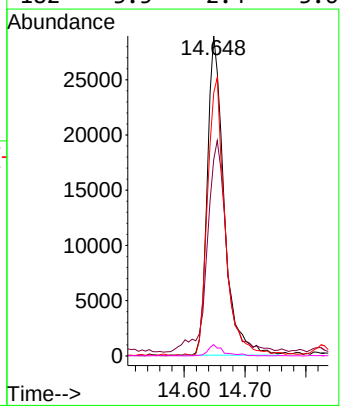
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

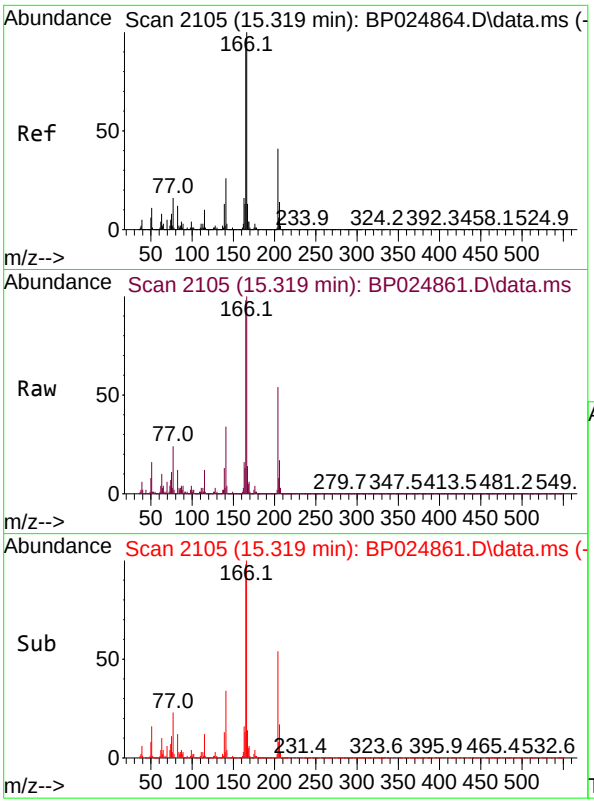


#57
2,4-Dinitrotoluene
Concen: 4.387 ng
RT: 14.648 min Scan# 1991
Delta R.T. 0.011 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:165 Resp: 55352

Ion	Ratio	Lower	Upper
165	100		
63	61.3	37.0	55.6#
89	82.2	60.1	90.1
182	3.5	2.4	3.6

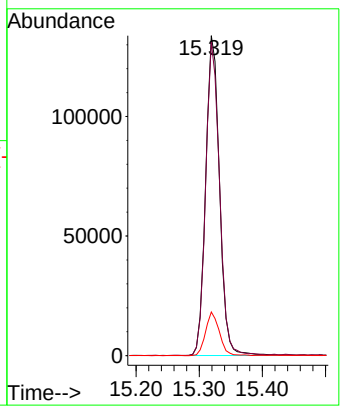




#58
Fluorene
Concen: 5.192 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:166 Resp: 20380

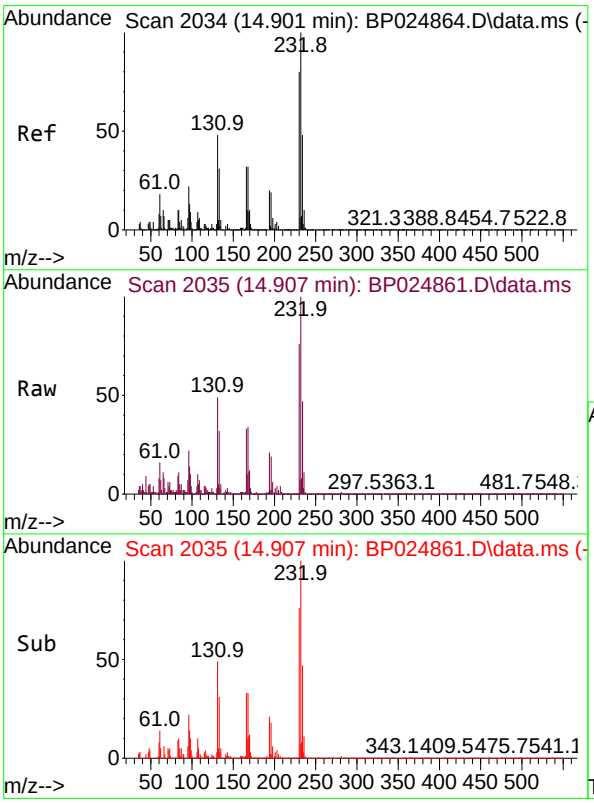
Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.7	116.5
167	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

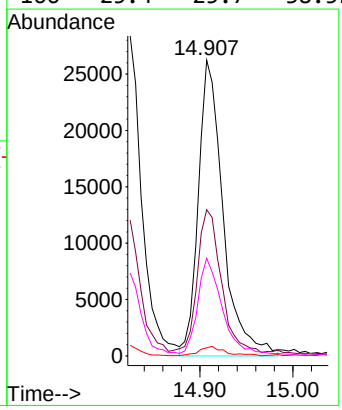
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

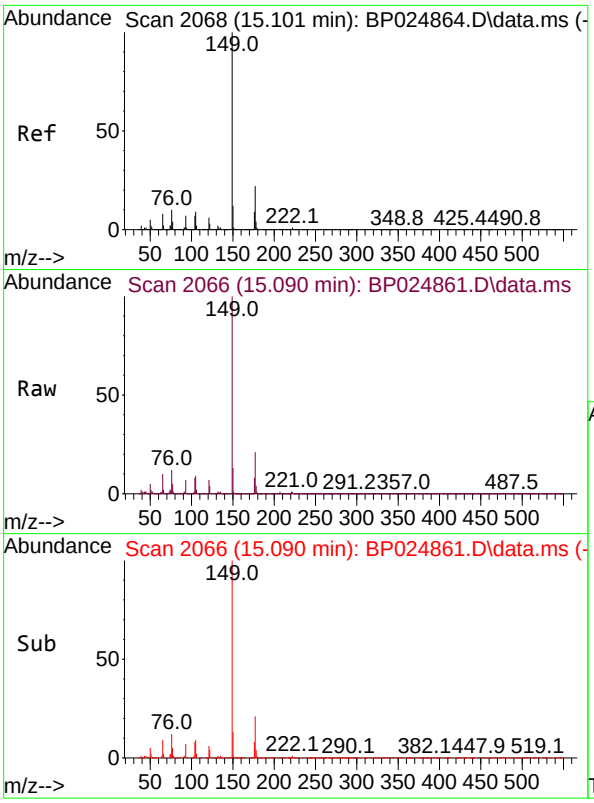


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.699 ng m
RT: 14.907 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:232 Resp: 48686

Ion	Ratio	Lower	Upper
232	100		
131	40.2	38.2	57.2
130	2.5	2.1	3.1
166	25.4	25.7	38.5#

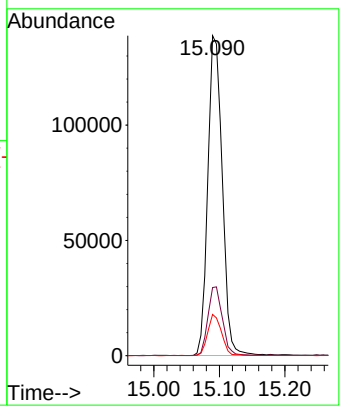




#60
Diethylphthalate
Concen: 5.105 ng
RT: 15.090 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 21288

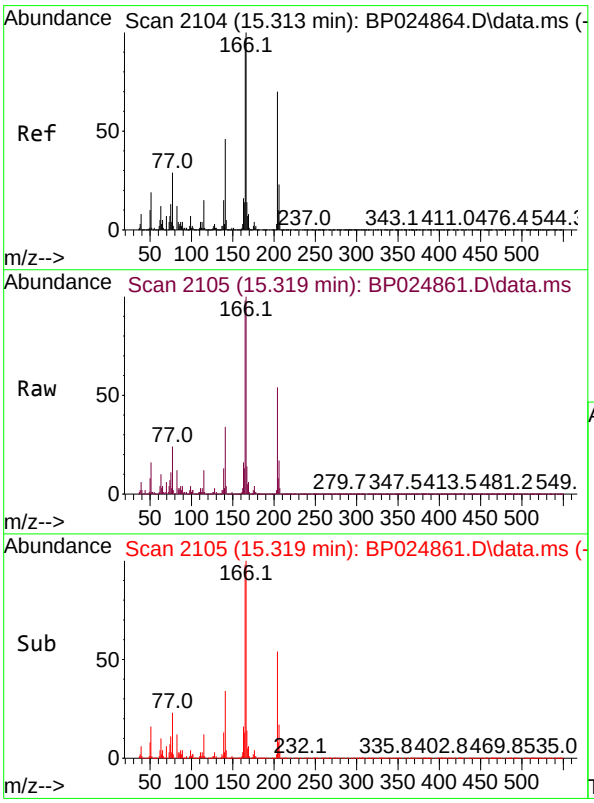
Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.9	26.9
150	12.9	9.8	14.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

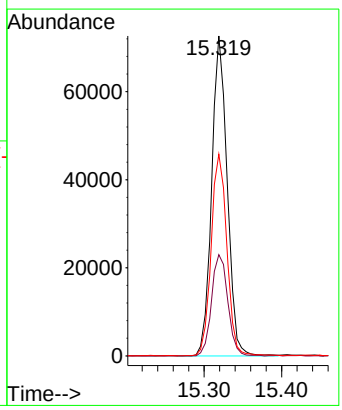
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

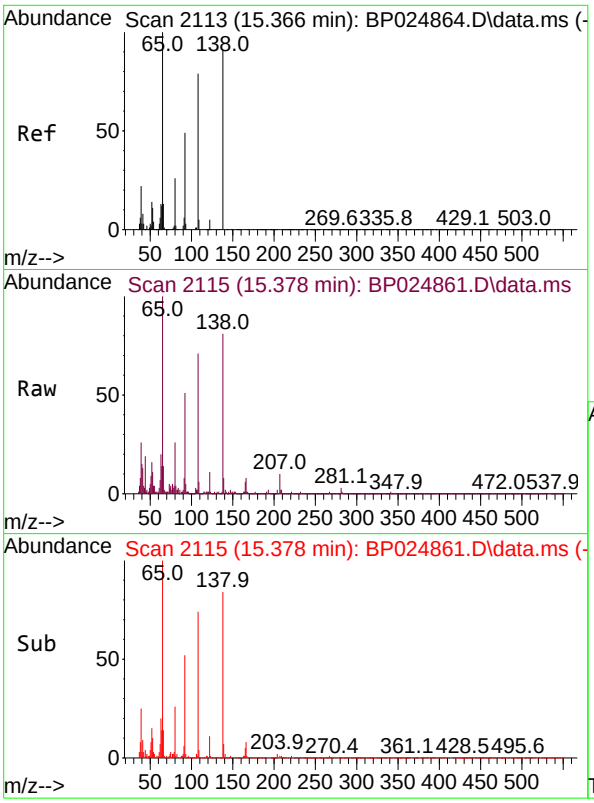


#61
4-Chlorophenyl-phenylether
Concen: 5.254 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:204 Resp: 100846

Ion	Ratio	Lower	Upper
204	100		
206	31.6	26.6	40.0
141	63.0	52.4	78.6

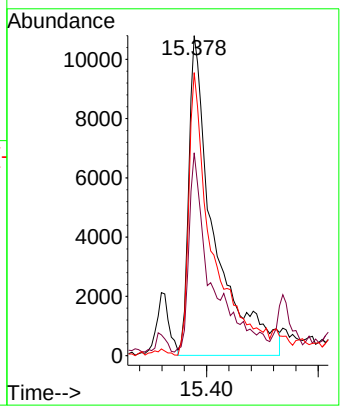




#62
4-Nitroaniline
Concen: 3.998 ng m
RT: 15.378 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:138 Resp: 3395

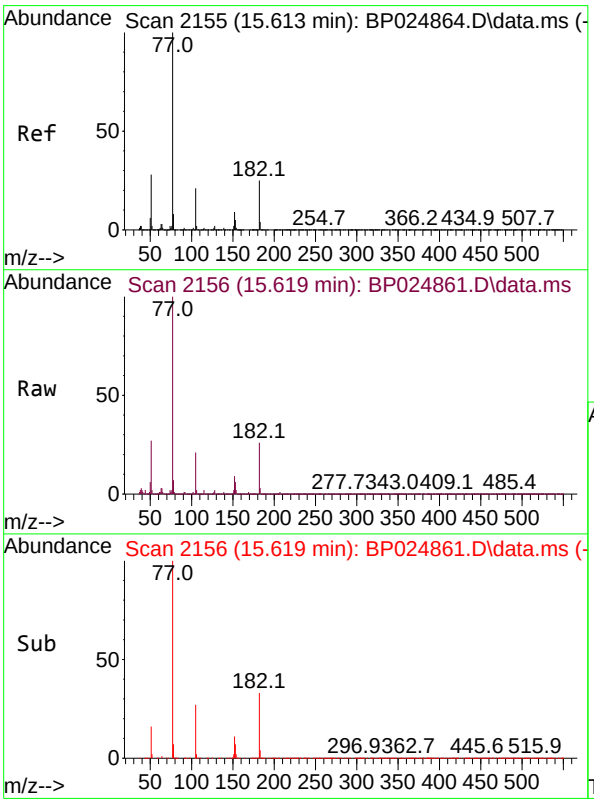
Ion	Ratio	Lower	Upper
138	100		
92	63.4	33.5	73.5
108	88.4	65.1	105.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

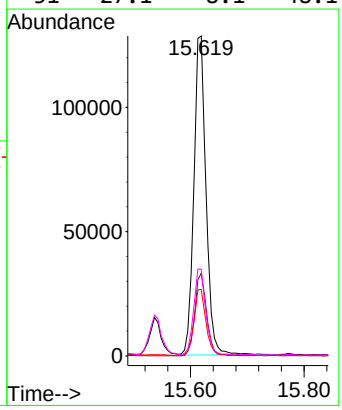
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

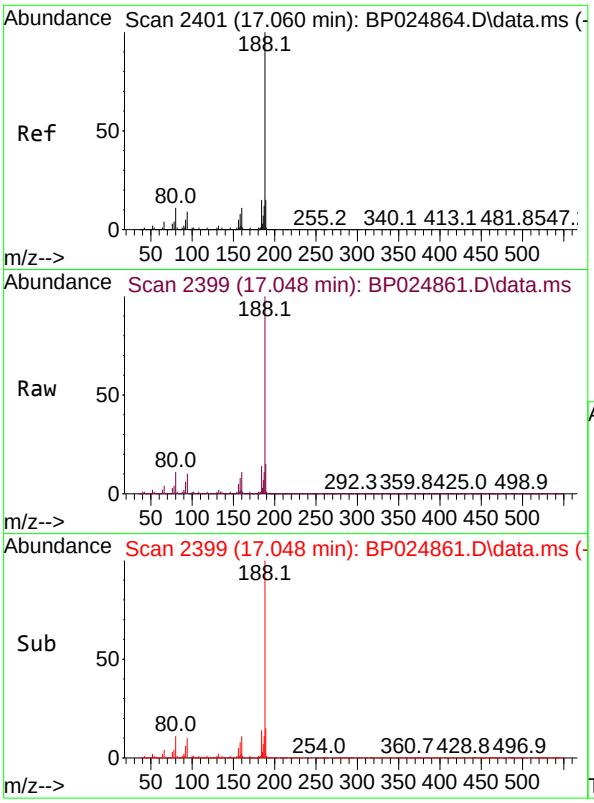


#63
Azobenzene
Concen: 4.990 ng
RT: 15.619 min Scan# 2156
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 77 Resp: 190856

Ion	Ratio	Lower	Upper
77	100		
182	25.8	5.4	45.4
105	20.8	0.8	40.8
51	27.1	8.1	48.1

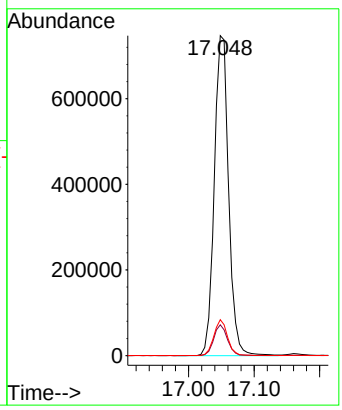




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:188 Resp: 113488

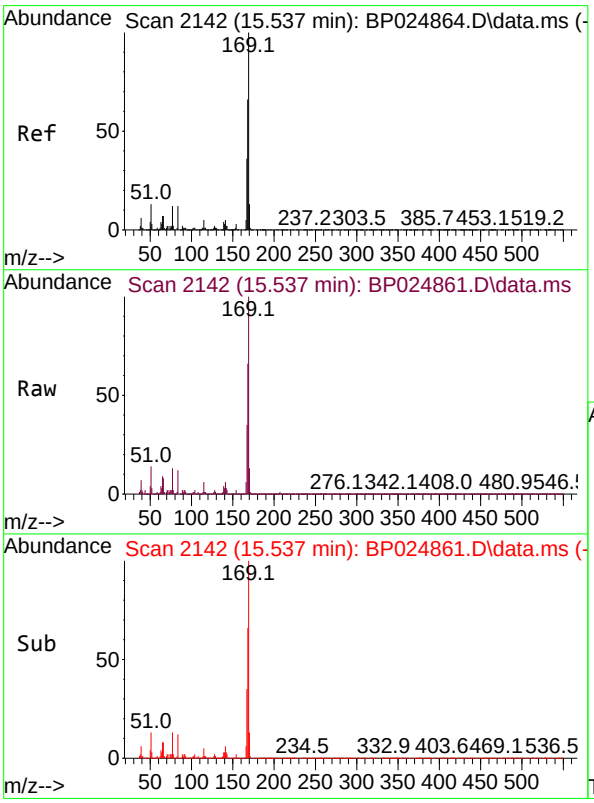
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	11.2	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

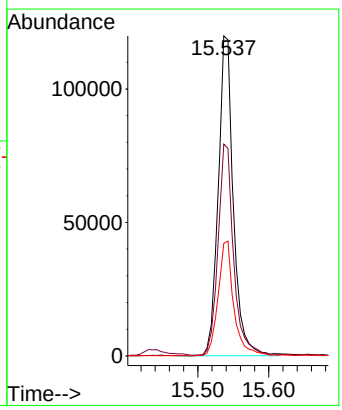
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

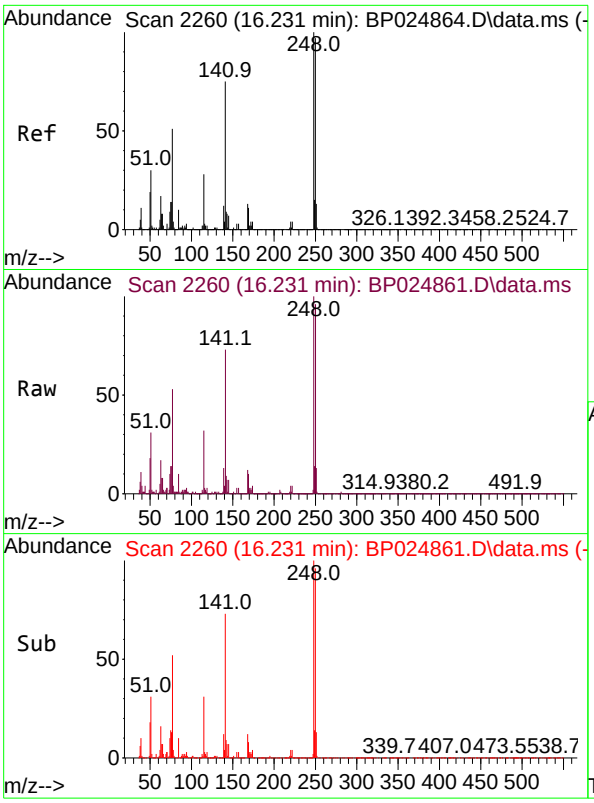


#66
n-Nitrosodiphenylamine
Concen: 5.056 ng
RT: 15.537 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:169 Resp: 177845

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.2	28.6	43.0

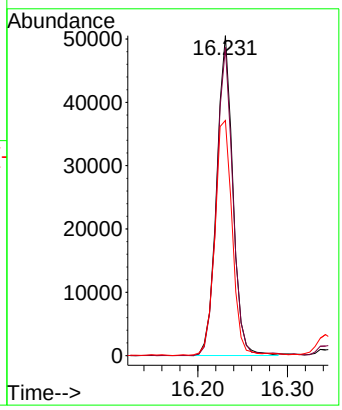




#67
4-Bromophenyl-phenylether
Concen: 4.973 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:248 Resp: 6367

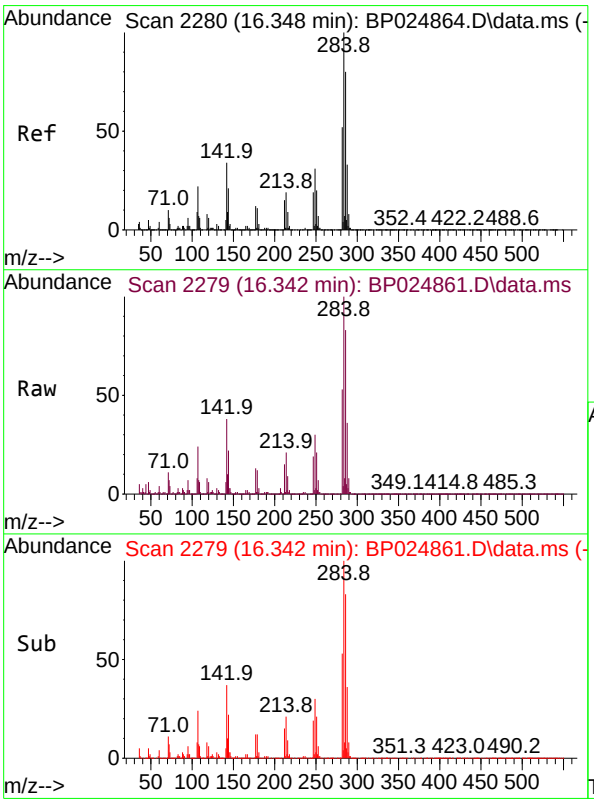
Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.4	116.2
141	73.5	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

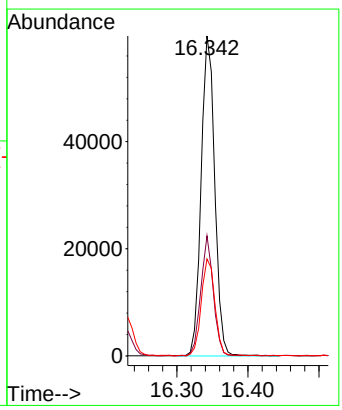
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

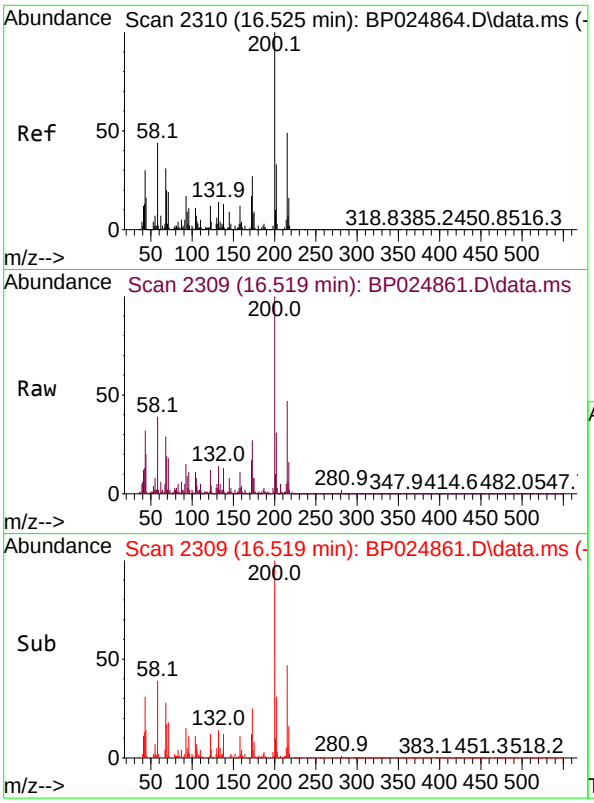


#68
Hexachlorobenzene
Concen: 5.087 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:284 Resp: 78966

Ion	Ratio	Lower	Upper
284	100		
142	37.5	27.0	40.6
249	30.3	25.0	37.6

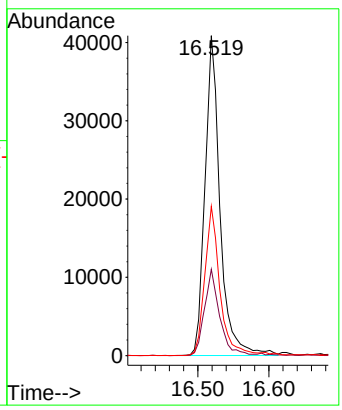




#69
Atrazine
Concen: 4.730 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:200 Resp: 6032

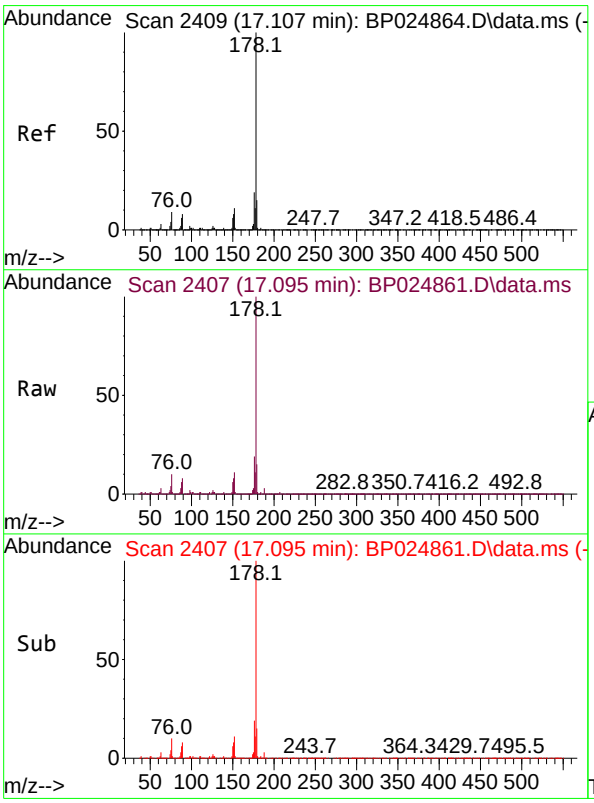
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.9	46.9
215	46.6	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

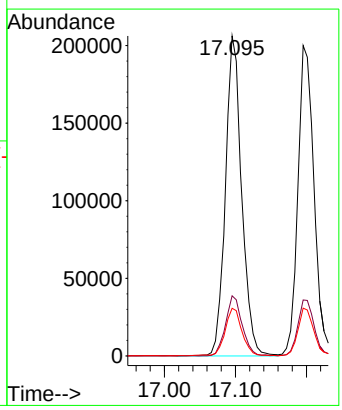
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

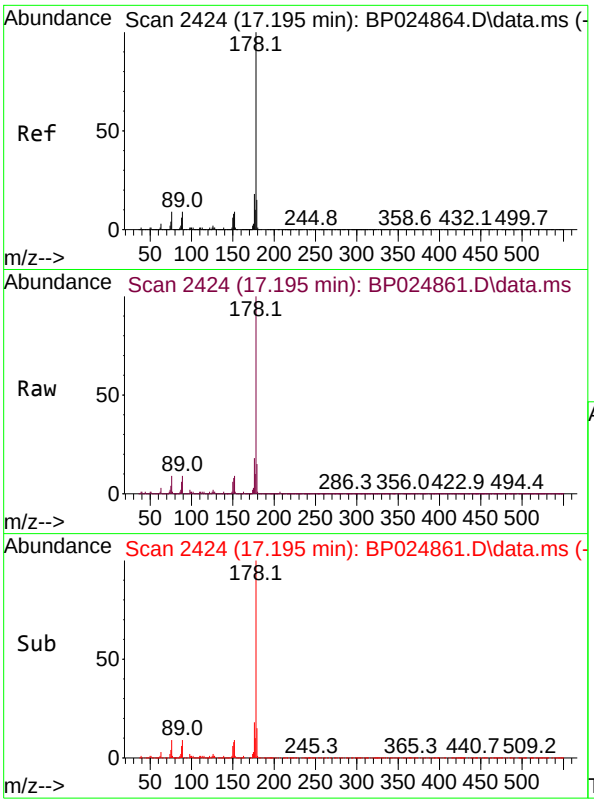


#71
Phenanthrene
Concen: 5.237 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:178 Resp: 328431

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.9	12.1	18.1





#72
Anthracene
Concen: 5.043 ng
RT: 17.195 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

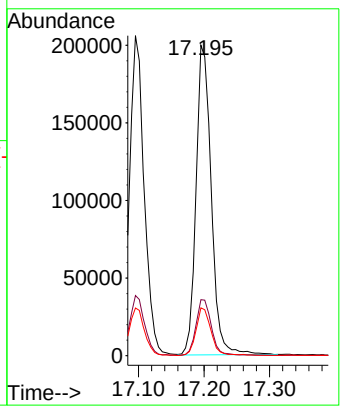
Tgt Ion:178 Resp: 32030

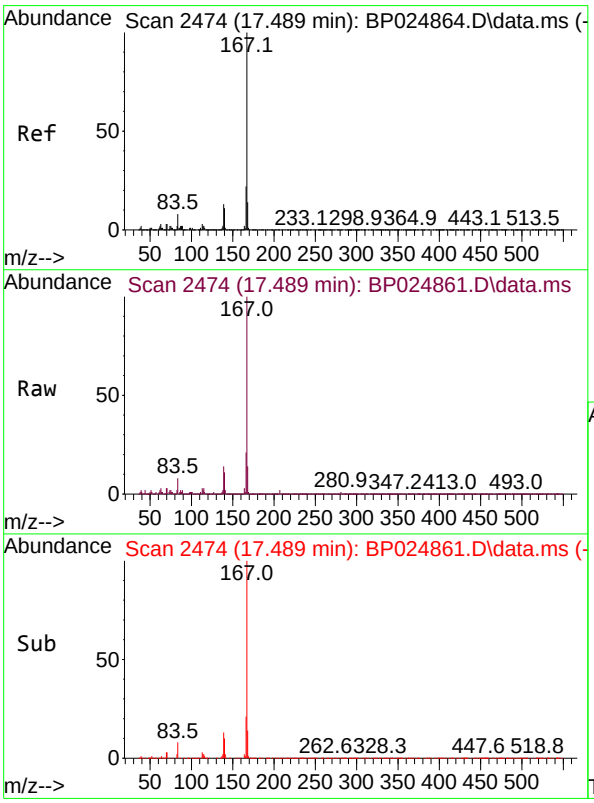
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.4	12.3	18.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

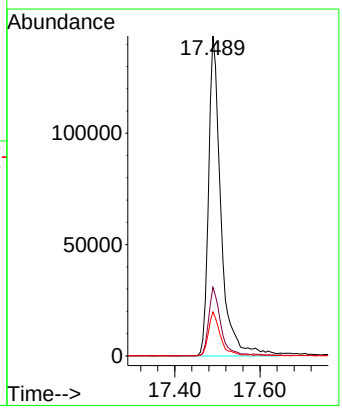


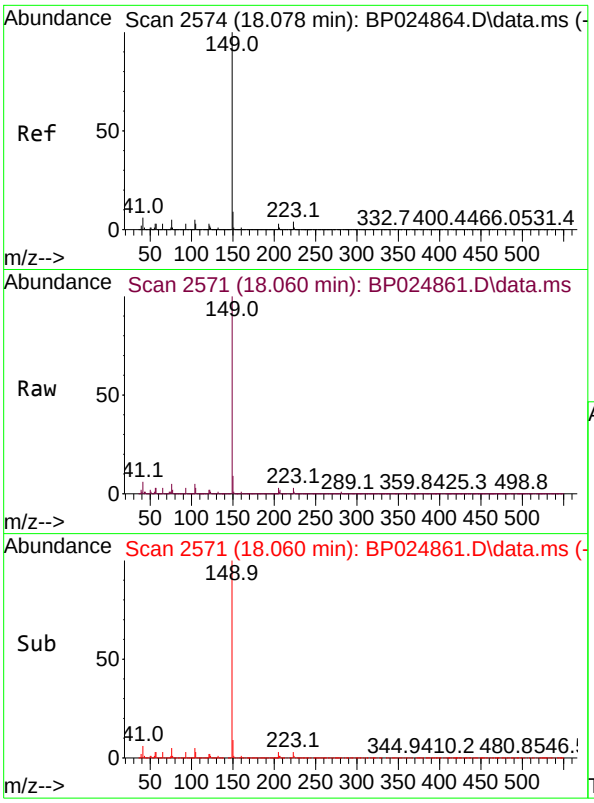


#73
Carbazole
Concen: 4.932 ng
RT: 17.489 min Scan# 2474
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:167 Resp: 290344

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	13.7	10.8	16.2

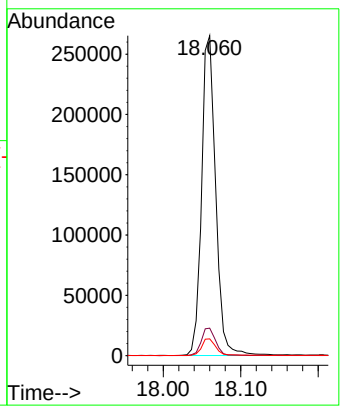




#74
Di-n-butylphthalate
Concen: 4.580 ng
RT: 18.060 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 33408

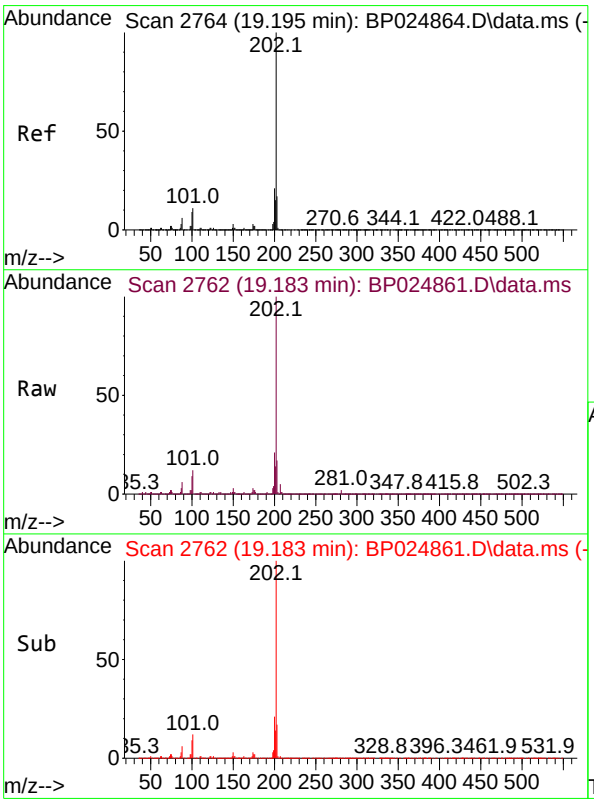
Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.4	11.2
104	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

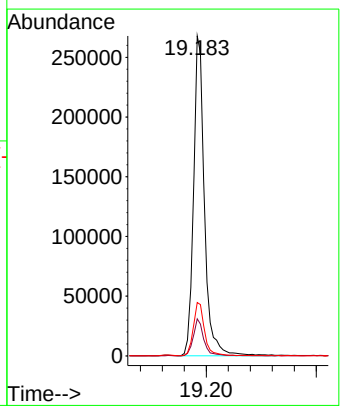
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

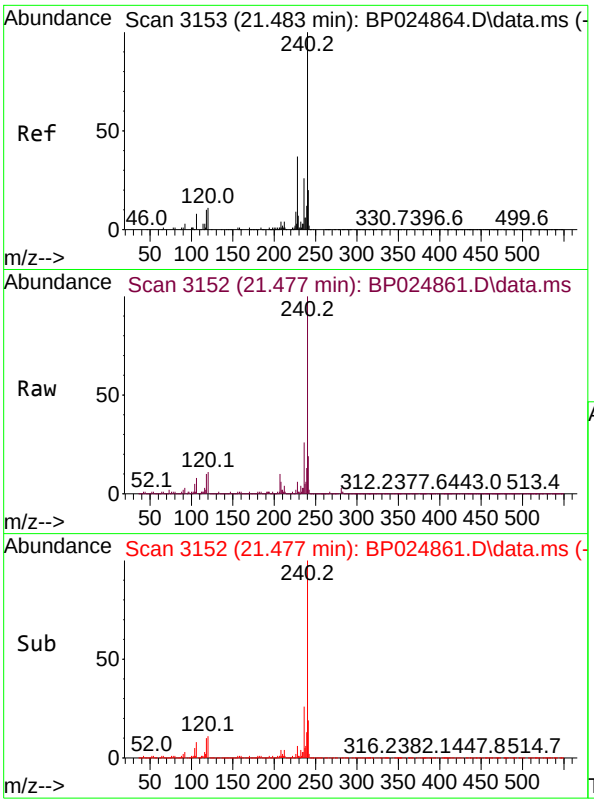


#75
Fluoranthene
Concen: 5.074 ng
RT: 19.183 min Scan# 2762
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:202 Resp: 368810

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	16.7	0.0	37.5

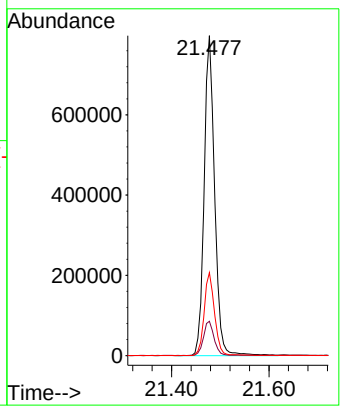




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:240 Resp: 119401

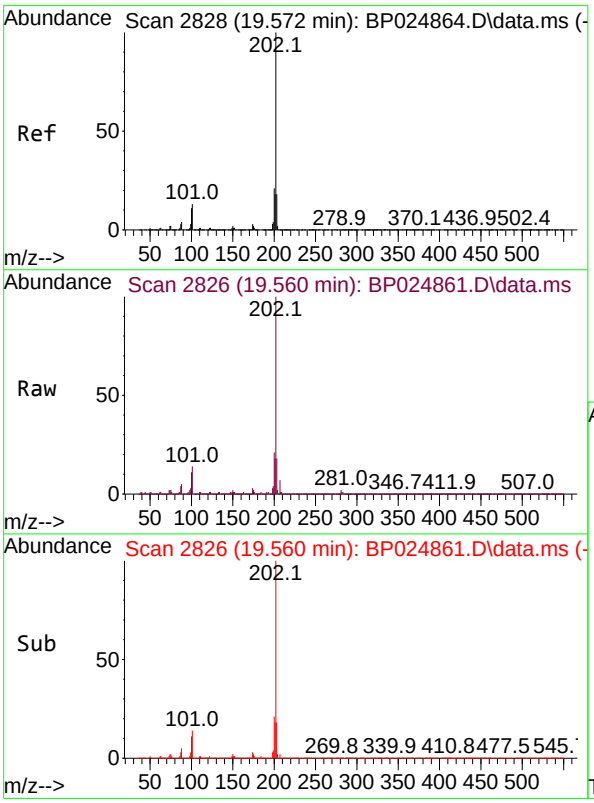
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.9	20.9	31.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

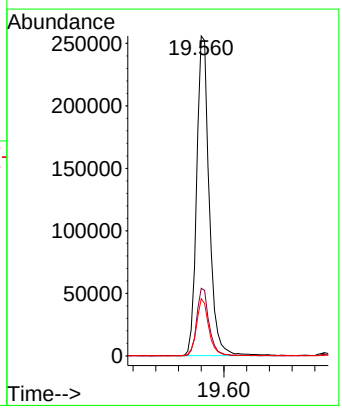
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

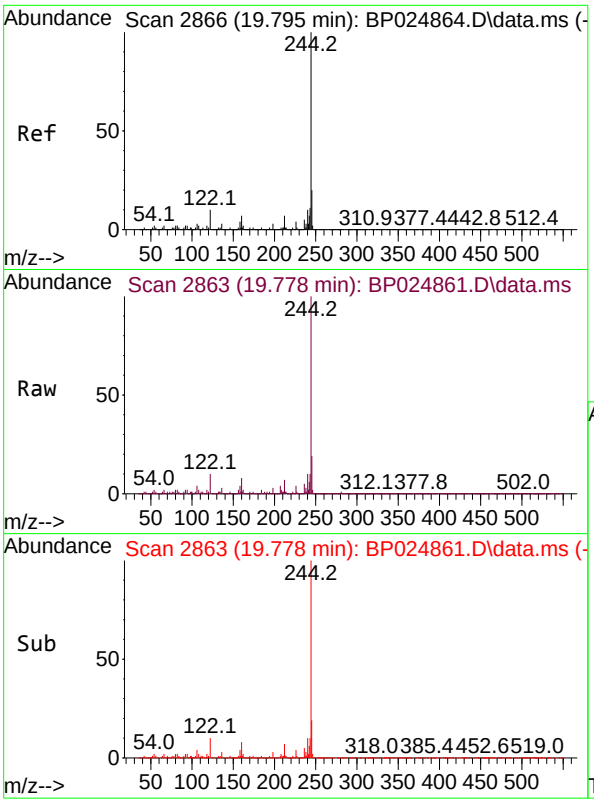


#78
Pyrene
Concen: 5.228 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:202 Resp: 389995

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.9	14.0	21.0

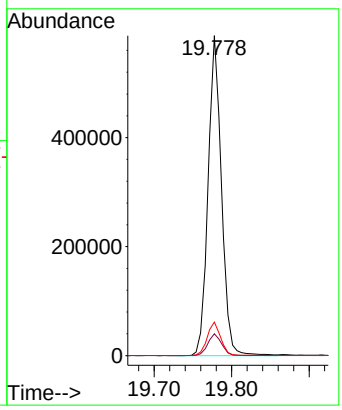




#79
Terphenyl-d14
Concen: 10.560 ng
RT: 19.778 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:244 Resp: 70350

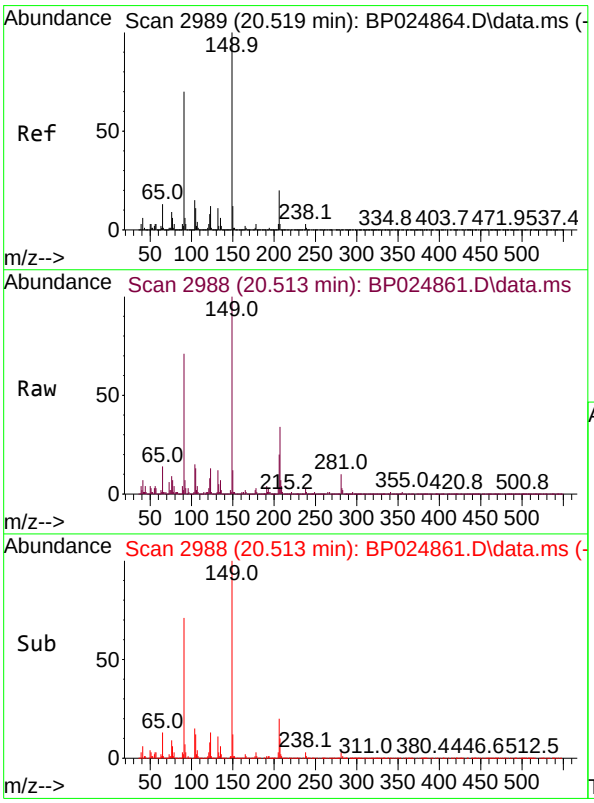
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

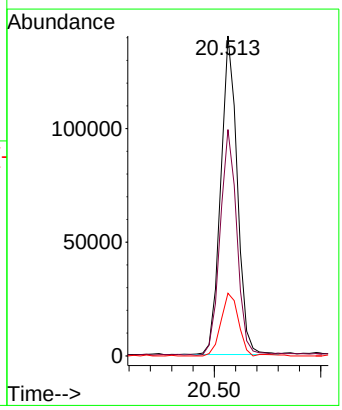
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

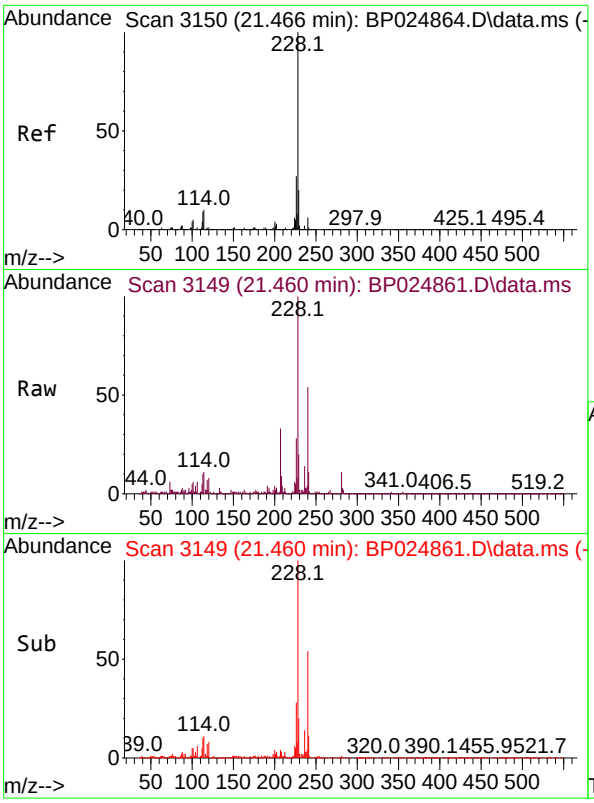


#80
Butylbenzylphthalate
Concen: 4.439 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 151685

Ion	Ratio	Lower	Upper
149	100		
91	70.7	55.8	83.8
206	19.6	16.2	24.2

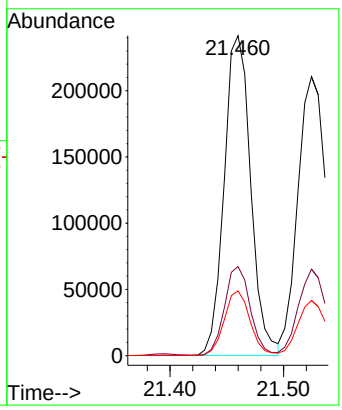




#81
Benzo(a)anthracene
Concen: 5.130 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:228 Resp: 39177

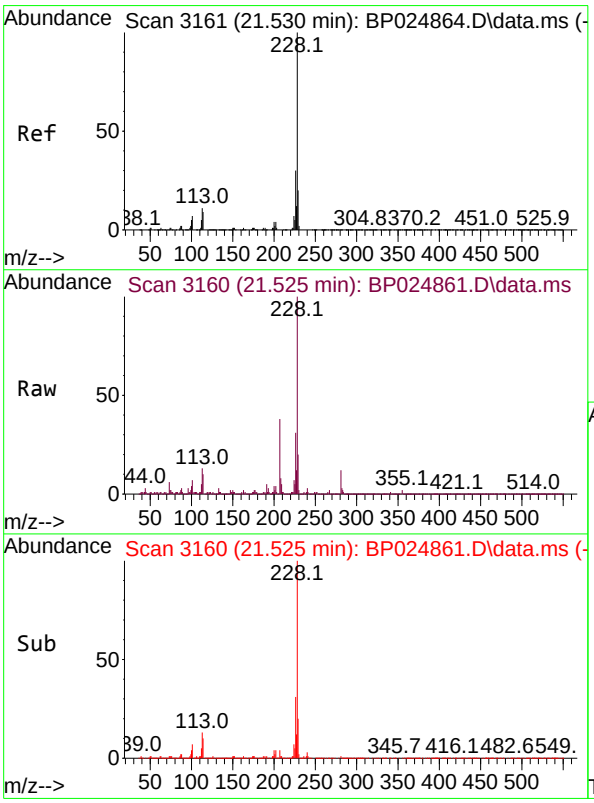
Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

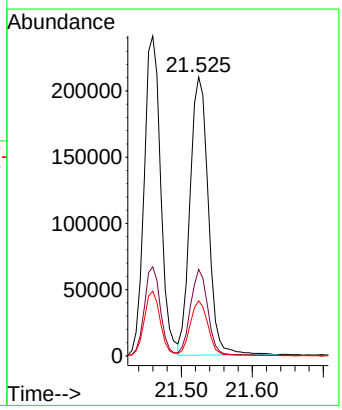
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

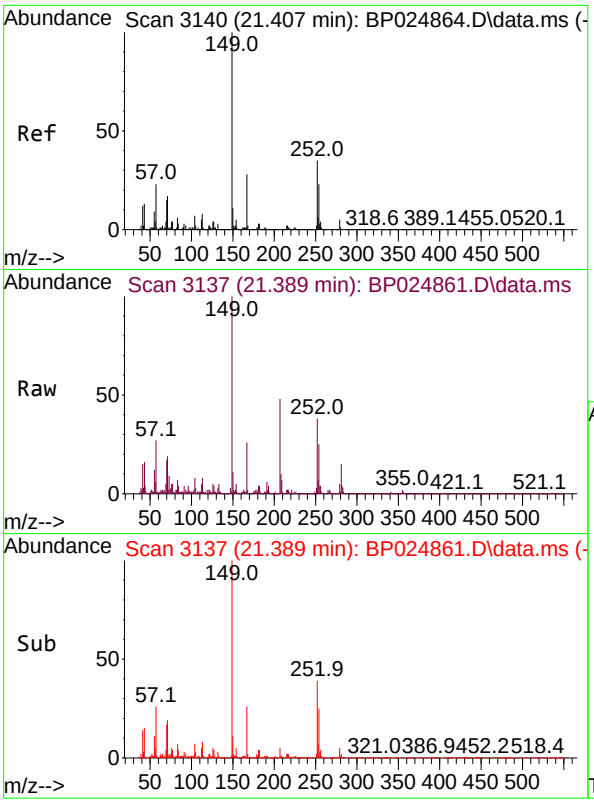


#83
Chrysene
Concen: 5.165 ng
RT: 21.525 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:228 Resp: 373726

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.6
229	19.7	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.362 ng
RT: 21.389 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

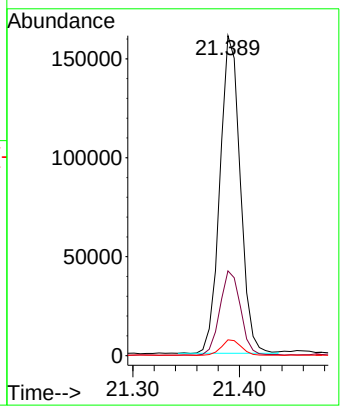
Tgt Ion:149 Resp: 213559

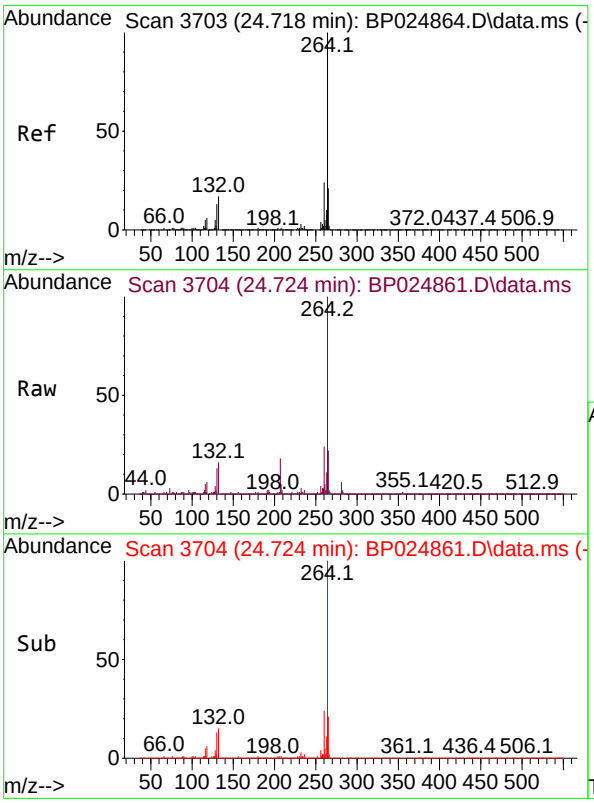
Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.2	33.4
279	4.9	4.0	6.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

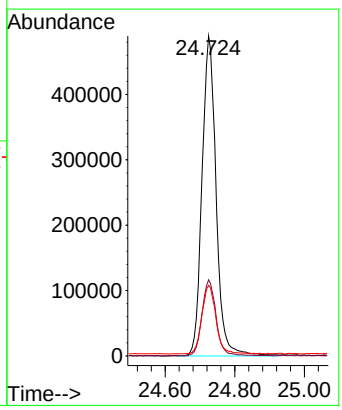


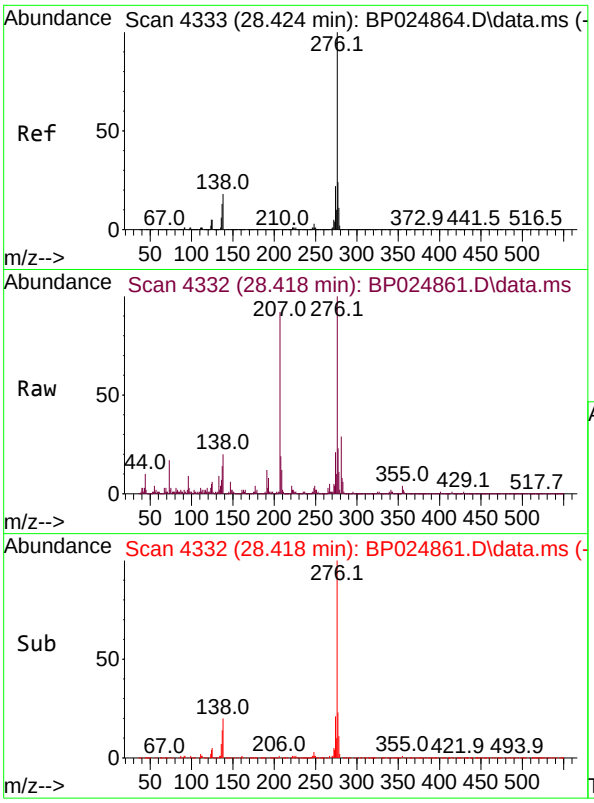


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:264 Resp: 1376894

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	22.0	17.4	26.0

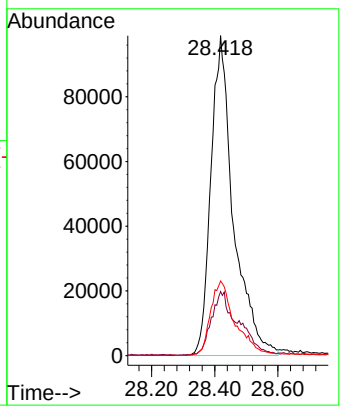




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.889 ng
RT: 28.418 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:276 Resp: 49116

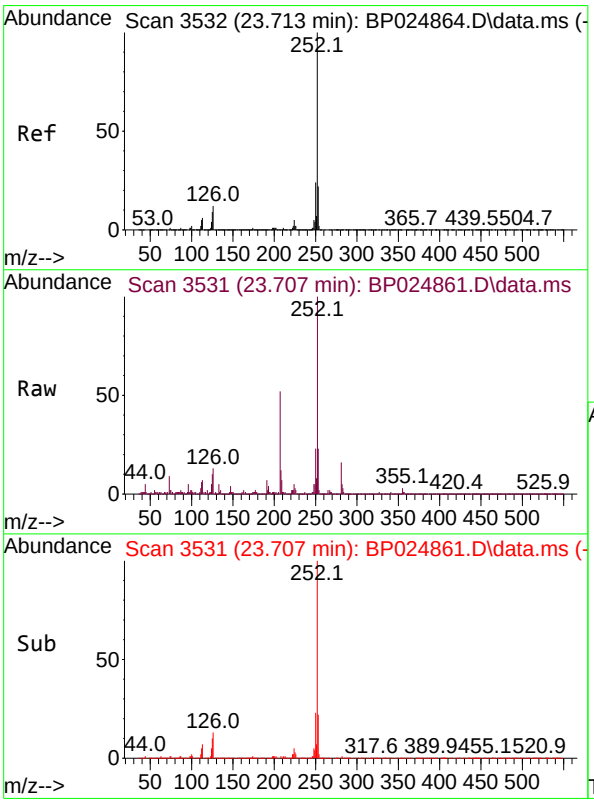
Ion	Ratio	Lower	Upper
276	100		
138	17.4	18.6	27.8
277	25.7	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

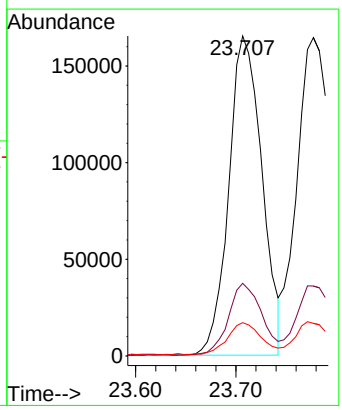
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

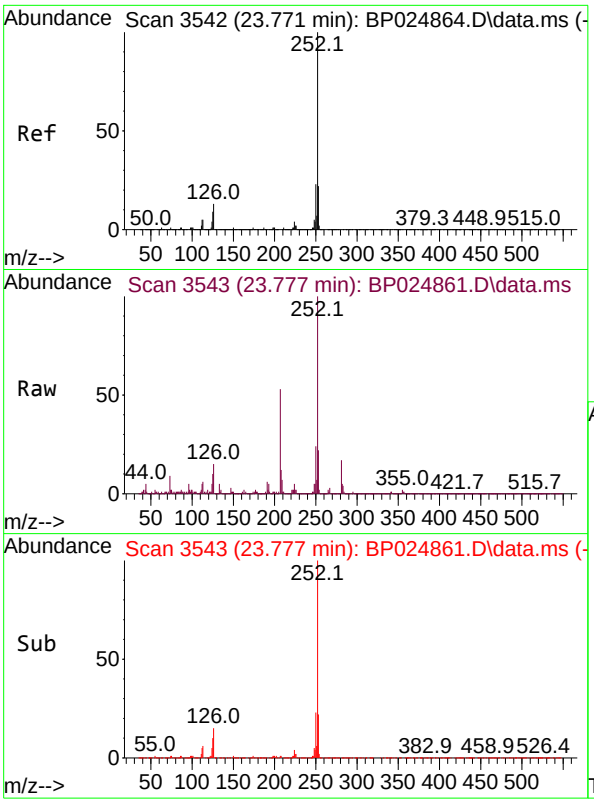


#88
Benzo(b)fluoranthene
Concen: 4.817 ng
RT: 23.707 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 379596

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	10.4	7.1	10.7

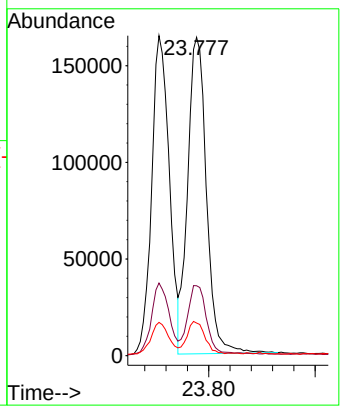




#89
Benzo(k)fluoranthene
Concen: 4.998 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 40087

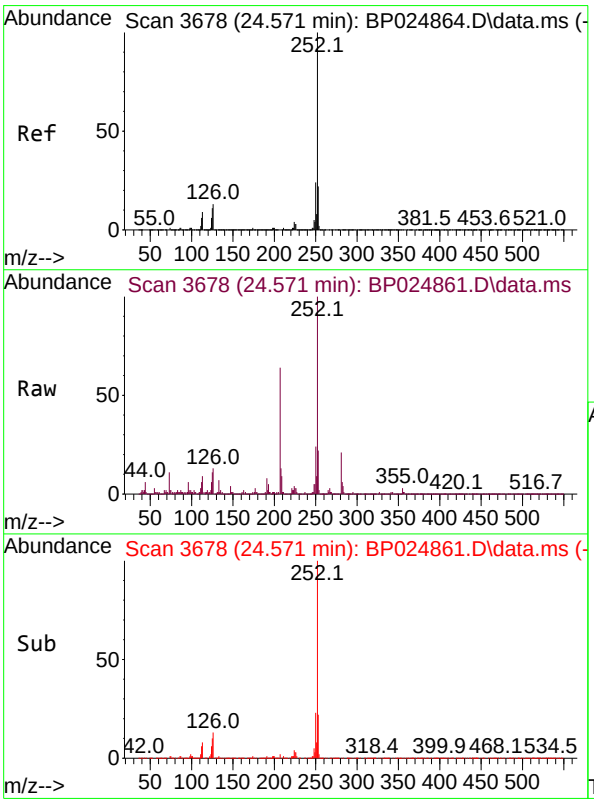
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.2	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

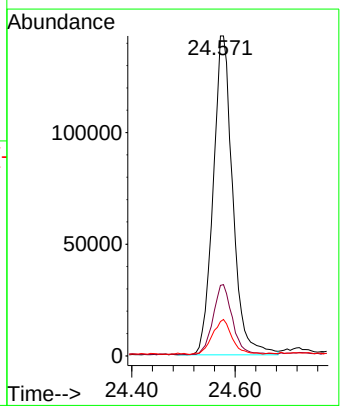
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

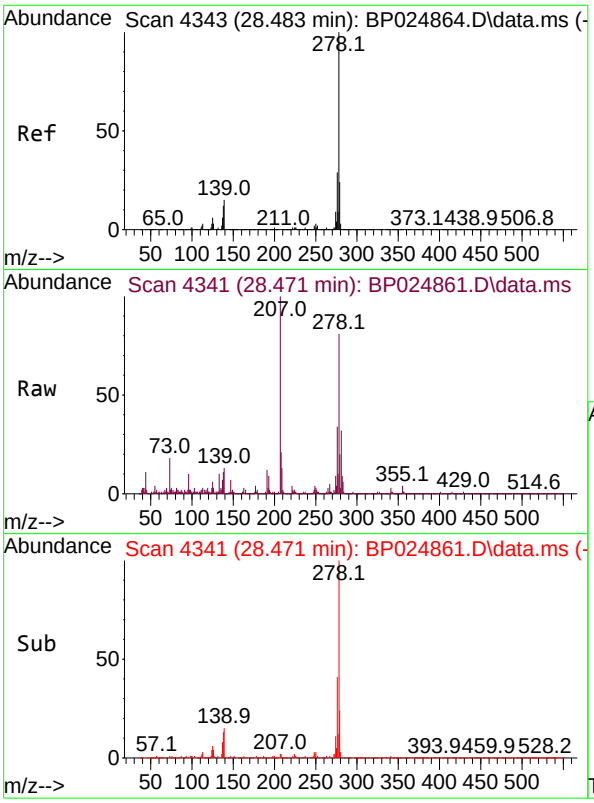


#90
Benzo(a)pyrene
Concen: 4.901 ng
RT: 24.571 min Scan# 3678
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 377184

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.7	8.8	13.2

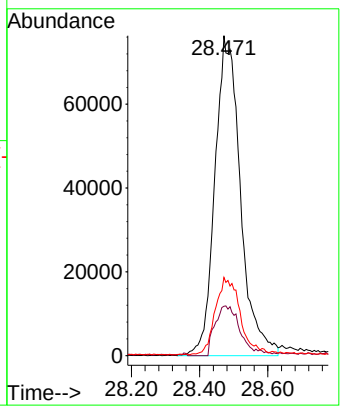




#91
Dibenzo(a,h)anthracene
Concen: 4.846 ng
RT: 28.471 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:278 Resp: 39628

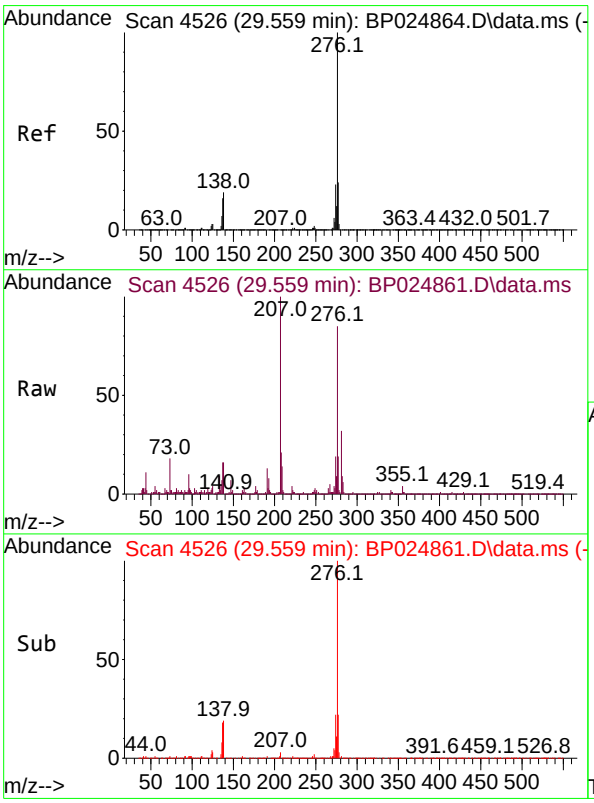
Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.0	18.0
279	24.4	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

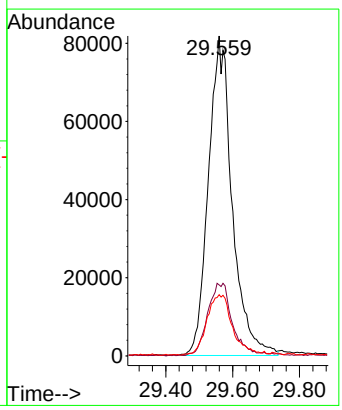
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 4.974 ng
RT: 29.559 min Scan# 4526
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:276 Resp: 403533

Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.1	28.7
138	19.1	15.4	23.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.613	152	222073	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	929717	20.000	ng		0.00
39) Acenaphthene-d10	14.248	164	594373	20.000	ng		0.00
64) Phenanthrene-d10	17.048	188	1185891	20.000	ng		-0.01
76) Chrysene-d12	21.472	240	1377321	20.000	ng		-0.01
86) Perylene-d12	24.718	264	1582534	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.249	112	253023	19.018	ng		0.00
7) Phenol-d6	6.819	99	339256	19.273	ng		0.00
23) Nitrobenzene-d5	8.760	82	369077	19.290	ng		0.00
42) 2,4,6-Tribromophenol	15.772	330	156861	19.089	ng		-0.01
45) 2-Fluorobiphenyl	12.854	172	896004	20.308	ng		0.00
79) Terphenyl-d14	19.778	244	1478395	19.238	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.173	88	58704	10.028	ng		98
3) Pyridine	3.578	79	131346	9.330	ng		98
4) n-Nitrosodimethylamine	3.490	42	53104	9.227	ng	#	98
6) Aniline	6.961	93	210089	9.352	ng		99
8) 2-Chlorophenol	7.196	128	143265	9.499	ng		98
9) Benzaldehyde	6.772	77	115279m	11.330	ng		
10) Phenol	6.849	94	173645	9.569	ng		98
11) bis(2-Chloroethyl)ether	7.049	93	141777	9.934	ng		99
12) 1,3-Dichlorobenzene	7.502	146	168166	9.995	ng		99
13) 1,4-Dichlorobenzene	7.643	146	167333	9.857	ng		99
14) 1,2-Dichlorobenzene	7.960	146	181774	10.904	ng		98
15) Benzyl Alcohol	7.866	79	126194	9.341	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.131	45	192365	10.298	ng		96
17) 2-Methylphenol	8.078	107	127589	10.069	ng		98
18) Hexachloroethane	8.672	117	62735	9.815	ng		95
19) n-Nitroso-di-n-propyla...	8.413	70	122711	10.254	ng		97
20) 3+4-Methylphenols	8.408	107	167301	9.677	ng		94
22) Acetophenone	8.431	105	242331	10.317	ng	#	98
24) Nitrobenzene	8.802	77	163008	9.590	ng		99
25) Isophorone	9.325	82	315027	9.500	ng		100
26) 2-Nitrophenol	9.513	139	72892	8.692	ng		97
27) 2,4-Dimethylphenol	9.590	122	132781	9.251	ng		97
28) bis(2-Chloroethoxy)met...	9.802	93	189690	9.590	ng		98
29) 2,4-Dichlorophenol	10.072	162	126522	9.187	ng		99
30) 1,2,4-Trichlorobenzene	10.243	180	148252	9.544	ng		97
31) Naphthalene	10.425	128	474962	9.969	ng		99
32) Benzoic acid	9.731	122	74032m	7.736	ng		
33) 4-Chloroaniline	10.566	127	186400	9.338	ng		98
34) Hexachlorobutadiene	10.707	225	92498	9.880	ng		97
35) Caprolactam	11.337	113	45366	8.949	ng		98
36) 4-Chloro-3-methylphenol	11.707	107	149607	9.418	ng		97
37) 2-Methylnaphthalene	12.043	142	296478	9.810	ng		98
38) 1-Methylnaphthalene	12.266	142	316179	9.786	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	166771	9.888	ng		99
41) Hexachlorocyclopentadiene	12.396	237	76916	7.477	ng		97
43) 2,4,6-Trichlorophenol	12.684	196	104746	9.248	ng		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.778	196	112735	9.294	ng	99
46) 1,1'-Biphenyl	13.072	154	432819	10.020	ng	99
47) 2-Chloronaphthalene	13.113	162	328060	9.882	ng	98
48) 2-Nitroaniline	13.337	65	96210	9.426	ng	100
49) Acenaphthylene	13.966	152	550191	9.939	ng	98
50) Dimethylphthalate	13.707	163	430821	9.826	ng	100
51) 2,6-Dinitrotoluene	13.831	165	89432	9.461	ng	93
52) Acenaphthene	14.313	154	316133	9.967	ng	98
53) 3-Nitroaniline	14.184	138	86690	8.838	ng	97
54) 2,4-Dinitrophenol	14.413	184	34890	10.838	ng	97
55) Dibenzofuran	14.660	168	511434	10.045	ng	100
56) 4-Nitrophenol	14.572	139	42087	10.135	ng	92
57) 2,4-Dinitrotoluene	14.643	165	123499	9.340	ng	97
58) Fluorene	15.319	166	414235	10.071	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.907	232	103935	9.573	ng	99
60) Diethylphthalate	15.090	149	437955	10.022	ng	98
61) 4-Chlorophenyl-phenyle...	15.319	204	198649	9.878	ng	98
62) 4-Nitroaniline	15.372	138	69780	7.841	ng	95
63) Azobenzene	15.619	77	396356	9.890	ng	99
65) 4,6-Dinitro-2-methylph...	15.425	198	60252	7.732	ng	92
66) n-Nitrosodiphenylamine	15.537	169	360674	9.812	ng	98
67) 4-Bromophenyl-phenylether	16.231	248	127516	9.530	ng	98
68) Hexachlorobenzene	16.342	284	158870	9.794	ng	97
69) Atrazine	16.519	200	125777	9.439	ng	99
70) Pentachlorophenol	16.719	266	62407	7.434	ng	98
71) Phenanthrene	17.089	178	657004	10.025	ng	99
72) Anthracene	17.195	178	648264	9.767	ng	99
73) Carbazole	17.484	167	600475	9.761	ng	100
74) Di-n-butylphthalate	18.060	149	738469	9.688	ng	99
75) Fluoranthene	19.183	202	763158	10.047	ng	98
77) Benzidine	19.401	184	352835	8.271	ng	99
78) Pyrene	19.554	202	823026	9.565	ng	99
80) Butylbenzylphthalate	20.507	149	364314	9.243	ng	97
81) Benzo(a)anthracene	21.448	228	850043	9.650	ng	99
82) 3,3'-Dichlorobenzidine	21.377	252	322154	9.212	ng	99
83) Chrysene	21.519	228	808582	9.687	ng	100
84) Bis(2-ethylhexyl)phtha...	21.389	149	536981	9.509	ng	100
85) Di-n-octyl phthalate	22.619	149	909174	9.134	ng	99
87) Indeno(1,2,3-cd)pyrene	28.395	276	1109298	9.607	ng	99
88) Benzo(b)fluoranthene	23.689	252	873515m	9.645	ng	
89) Benzo(k)fluoranthene	23.760	252	905265	9.819	ng	99
90) Benzo(a)pyrene	24.566	252	845698	9.562	ng	99
91) Dibenzo(a,h)anthracene	28.459	278	904527	9.624	ng	99
92) Benzo(g,h,i)perylene	29.542	276	891492	9.560	ng	97

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

ICAL Form

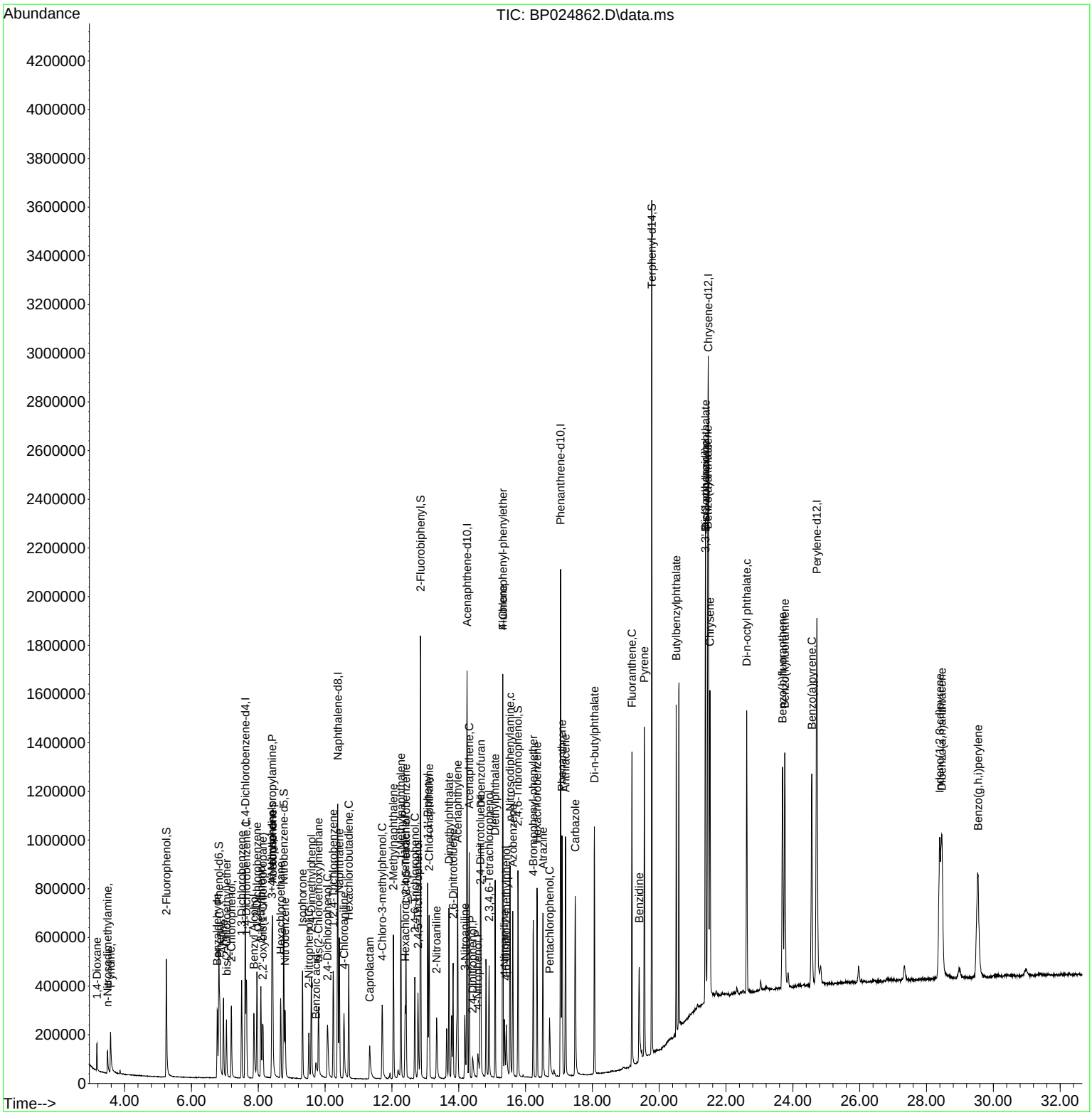
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

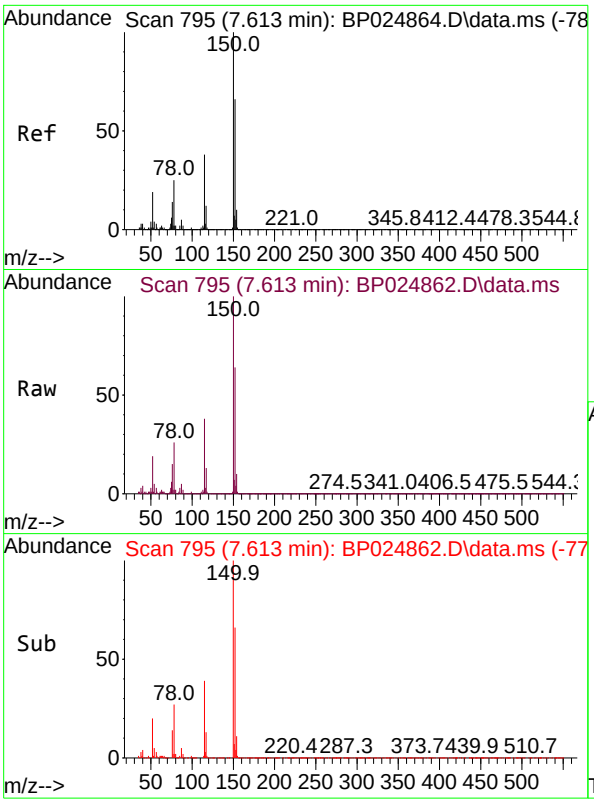
Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

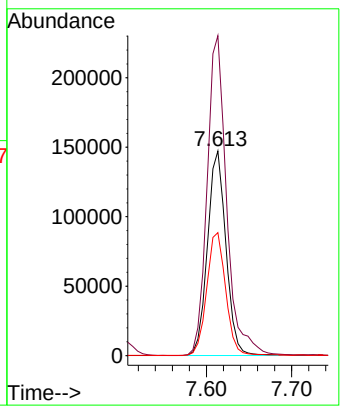




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:152 Resp: 22207

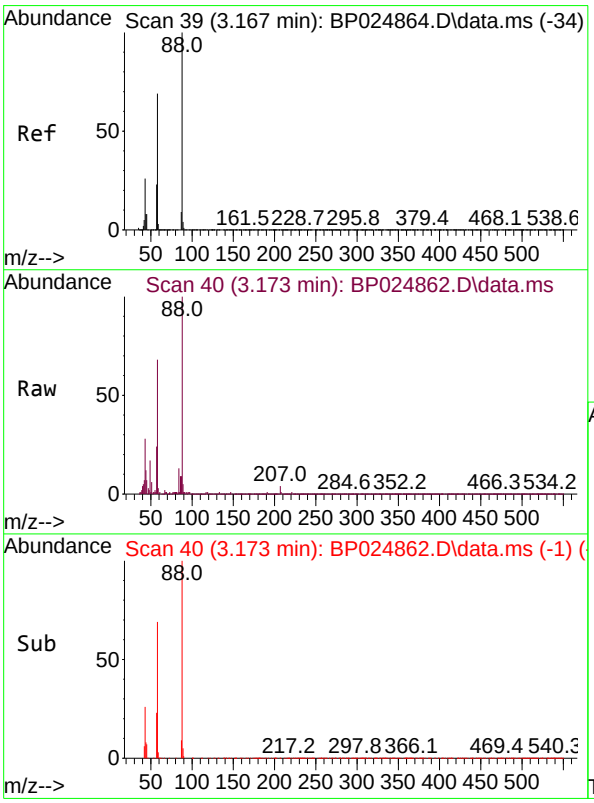
Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.1	183.1
115	60.1	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

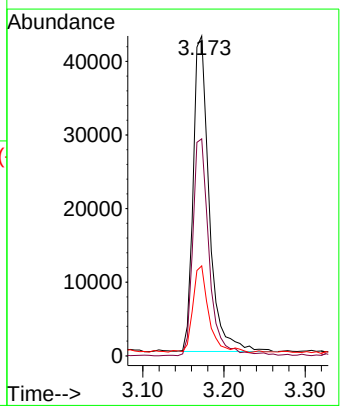
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

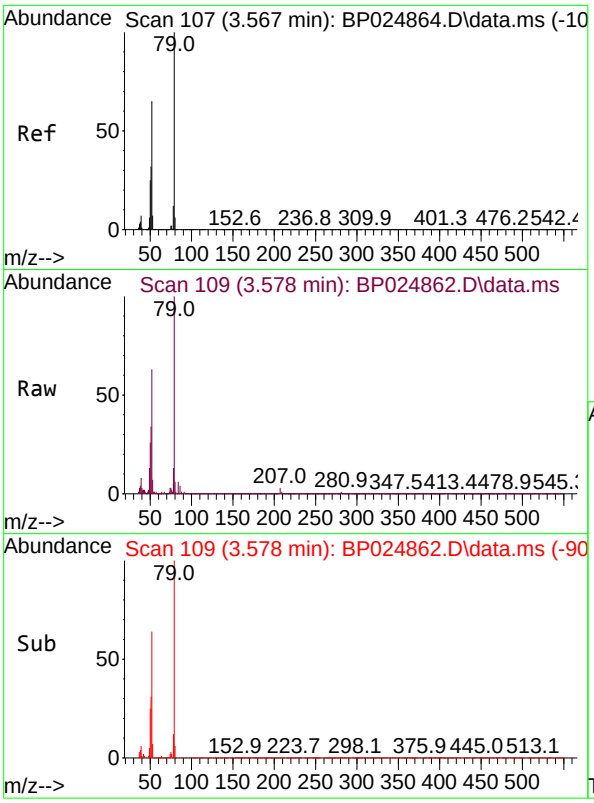


#2
1,4-Dioxane
Concen: 10.028 ng
RT: 3.173 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 88 Resp: 58704

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.4	83.0
43	27.4	20.8	31.2

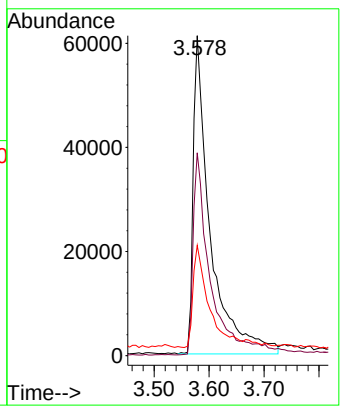




#3
Pyridine
Concen: 9.330 ng
RT: 3.578 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 79 Resp: 13134

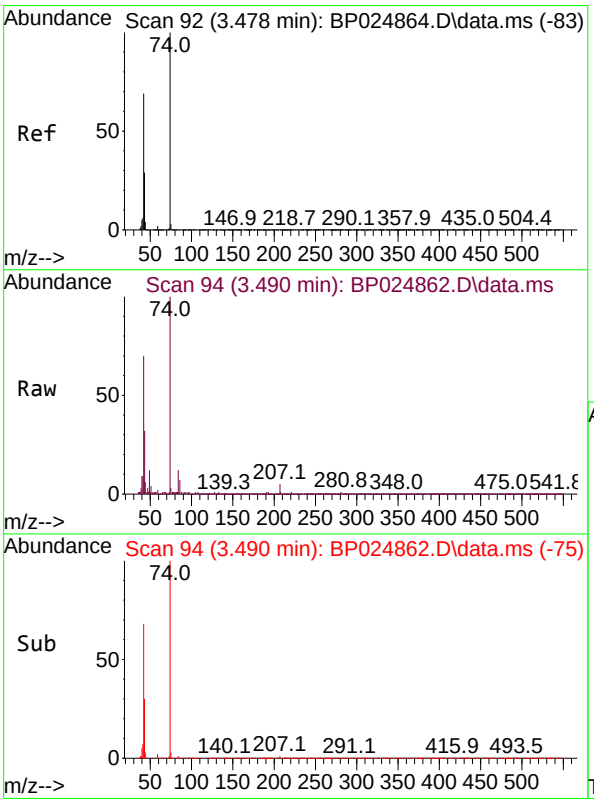
Ion	Ratio	Lower	Upper
79	100		
52	63.4	51.6	77.4
51	34.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

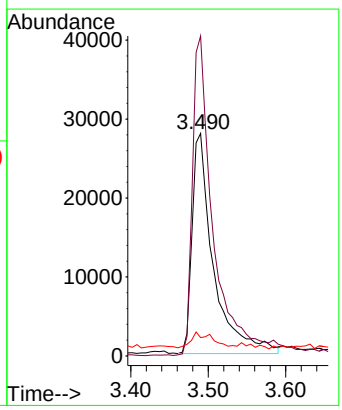
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

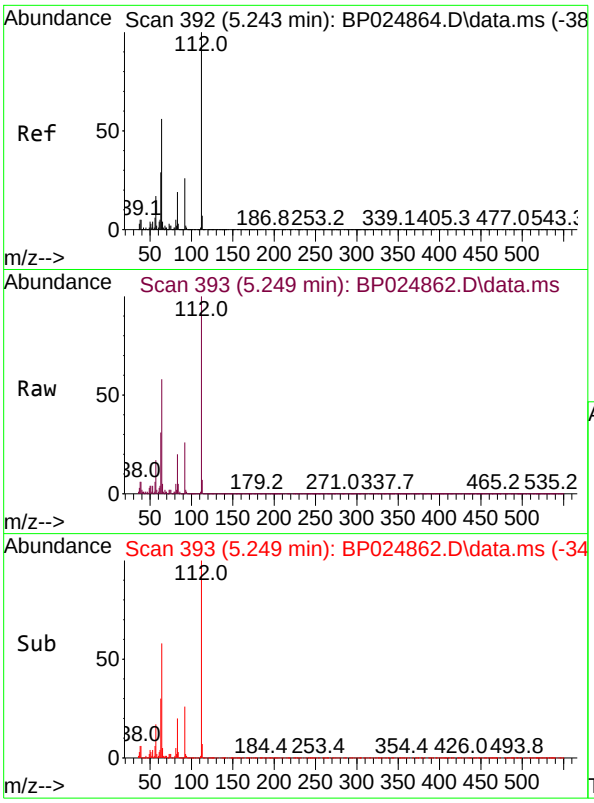


#4
n-Nitrosodimethylamine
Concen: 9.227 ng
RT: 3.490 min Scan# 94
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 42 Resp: 53104

Ion	Ratio	Lower	Upper
42	100		
74	143.9	116.6	174.8
44	8.2	5.4	8.0#





#5
2-Fluorophenol
Concen: 19.018 ng
RT: 5.249 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

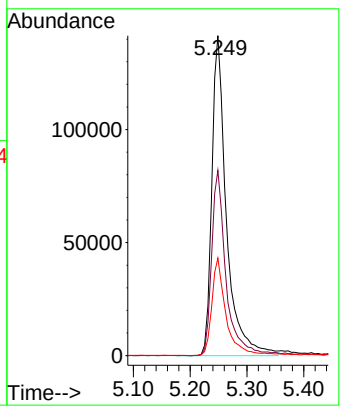
Tgt Ion:112 Resp: 25302

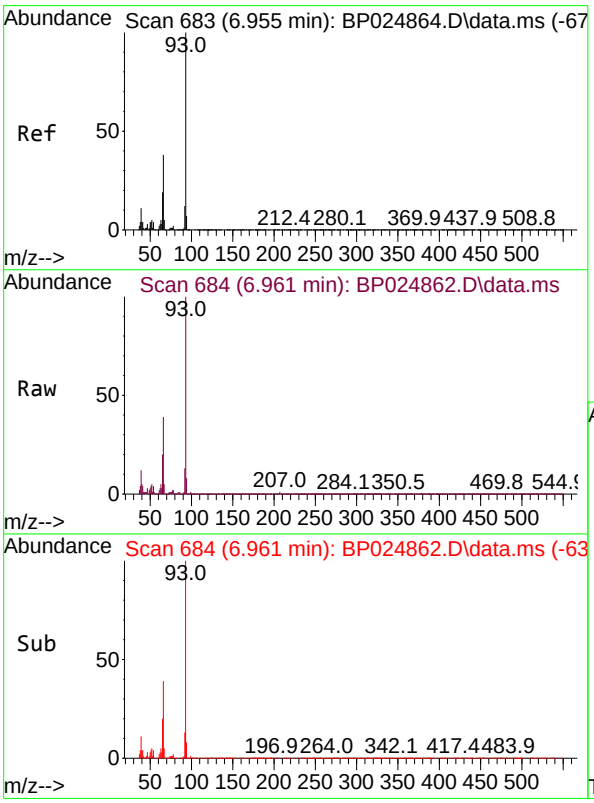
Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.7	67.1
63	30.5	23.5	35.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

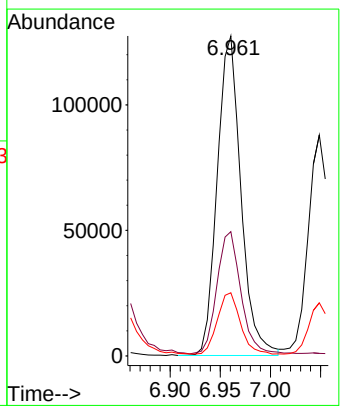


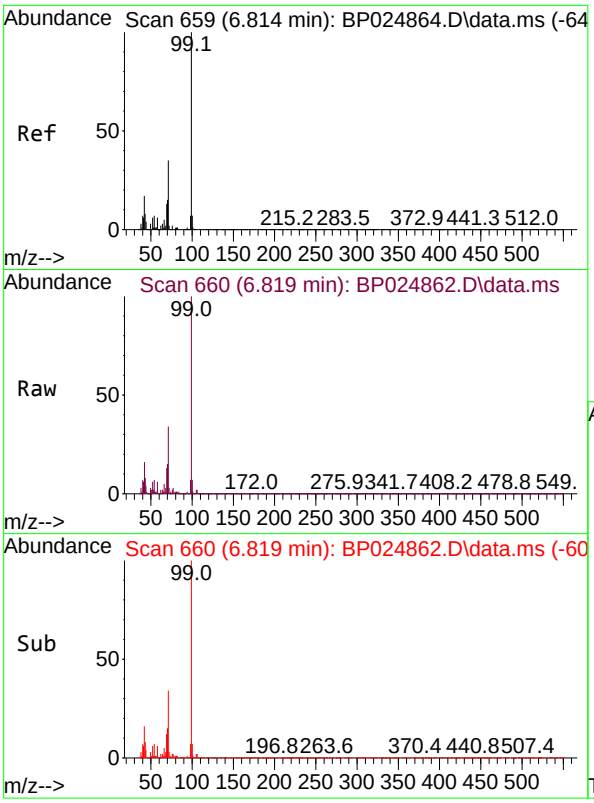


#6
Aniline
Concen: 9.352 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 210089

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.9	46.3
65	19.7	15.5	23.3

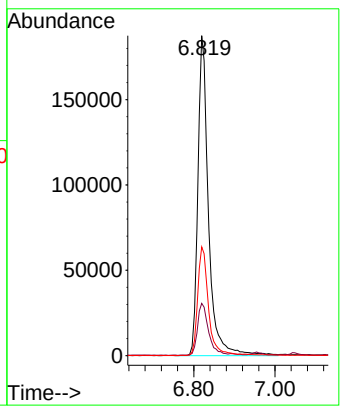




#7
Phenol-d6
Concen: 19.273 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 99 Resp: 33925

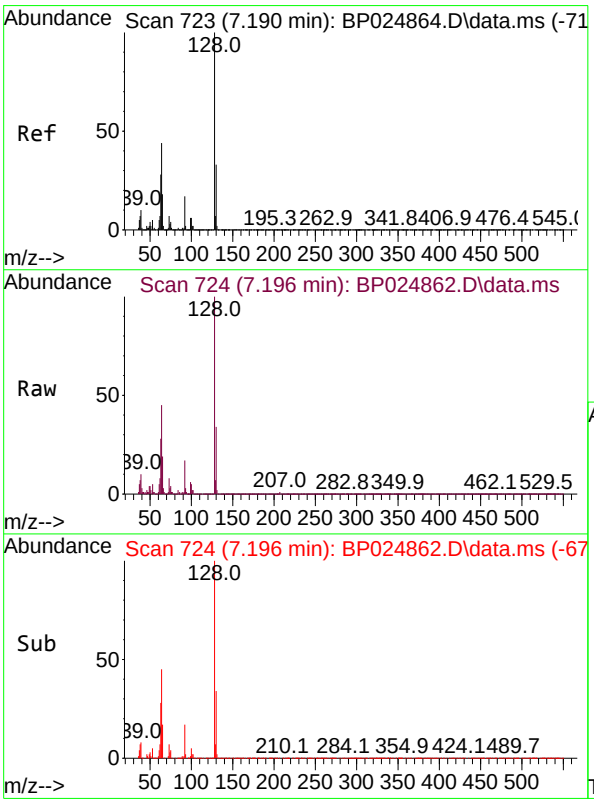
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	34.0	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

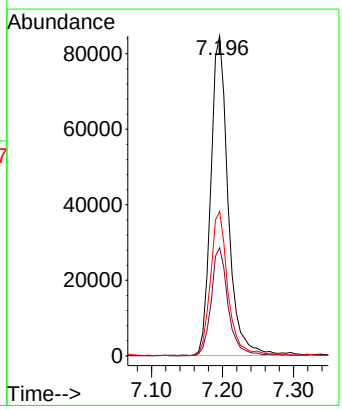
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

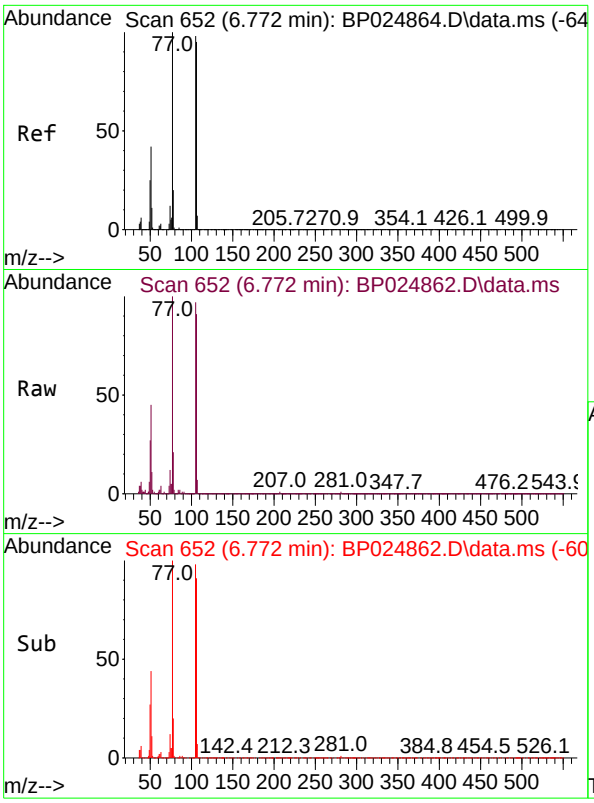


#8
2-Chlorophenol
Concen: 9.499 ng
RT: 7.196 min Scan# 724
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:128 Resp: 143265

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	45.2	24.1	64.1

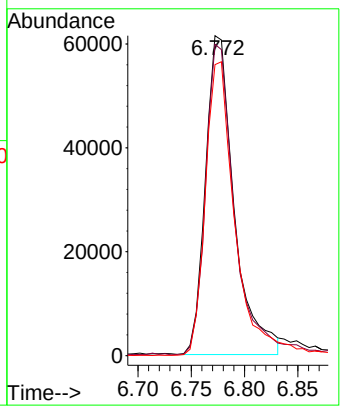




#9
Benzaldehyde
Concen: 11.330 ng m
RT: 6.772 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 11527

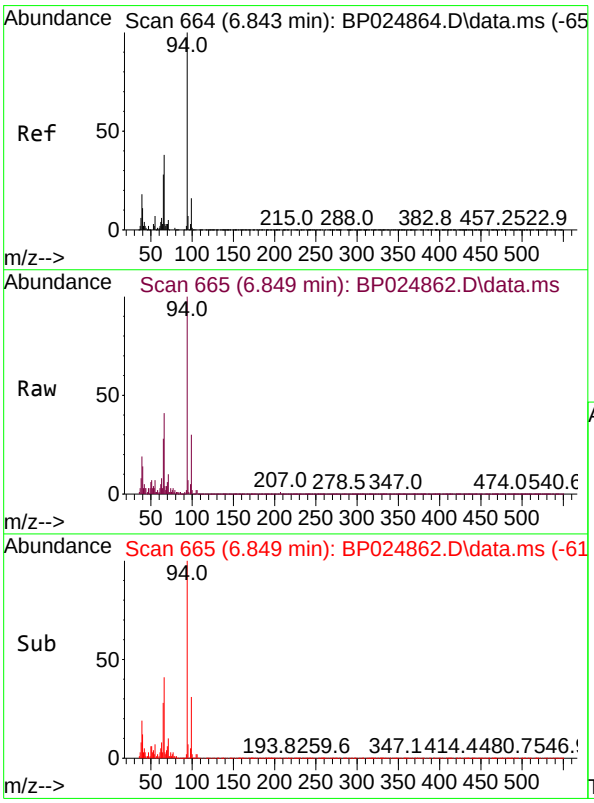
Ion	Ratio	Lower	Upper
77	100		
105	97.3	77.7	117.7
106	90.9	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

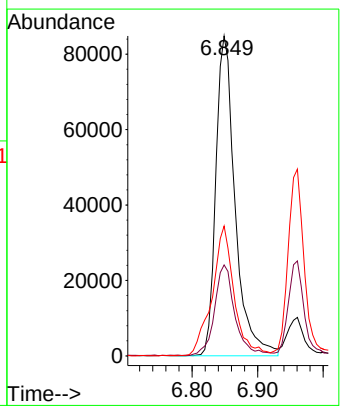
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

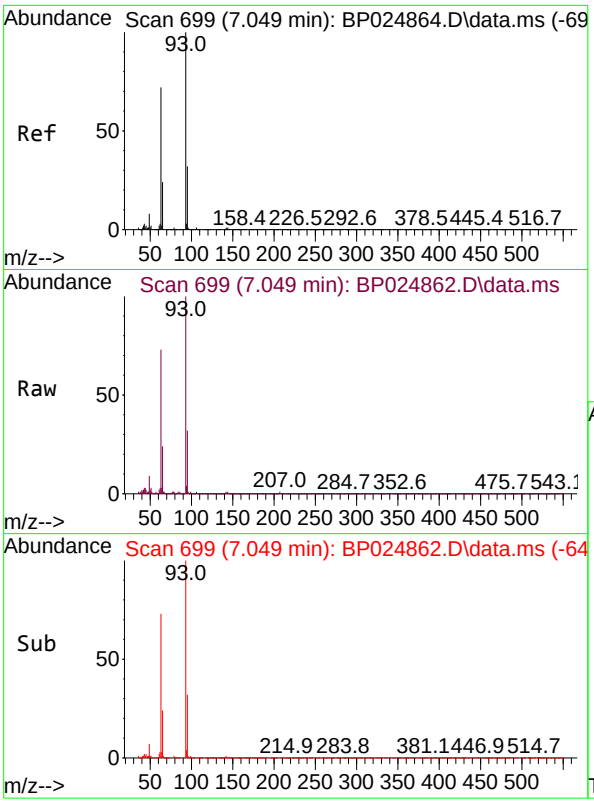


#10
Phenol
Concen: 9.569 ng
RT: 6.849 min Scan# 665
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 94 Resp: 173645

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.3	48.3
66	40.6	18.2	58.2

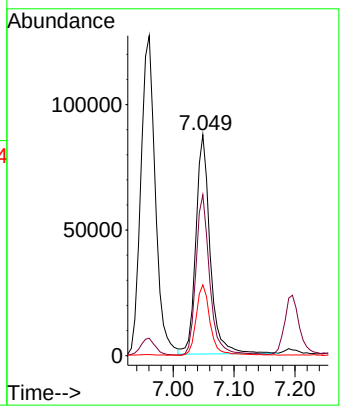




#11
bis(2-Chloroethyl)ether
Concen: 9.934 ng
RT: 7.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 14177

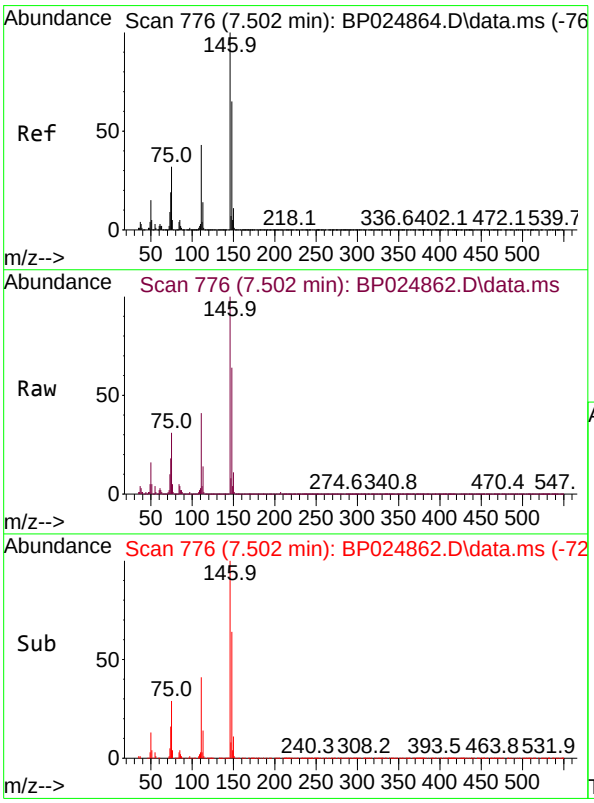
Ion	Ratio	Lower	Upper
93	100		
63	72.9	51.6	91.6
95	32.1	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

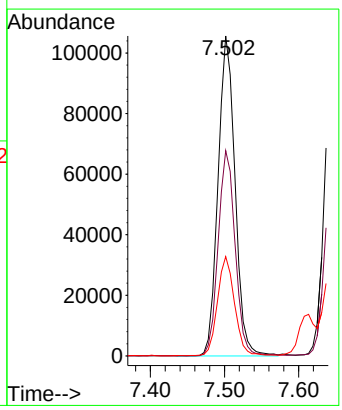
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

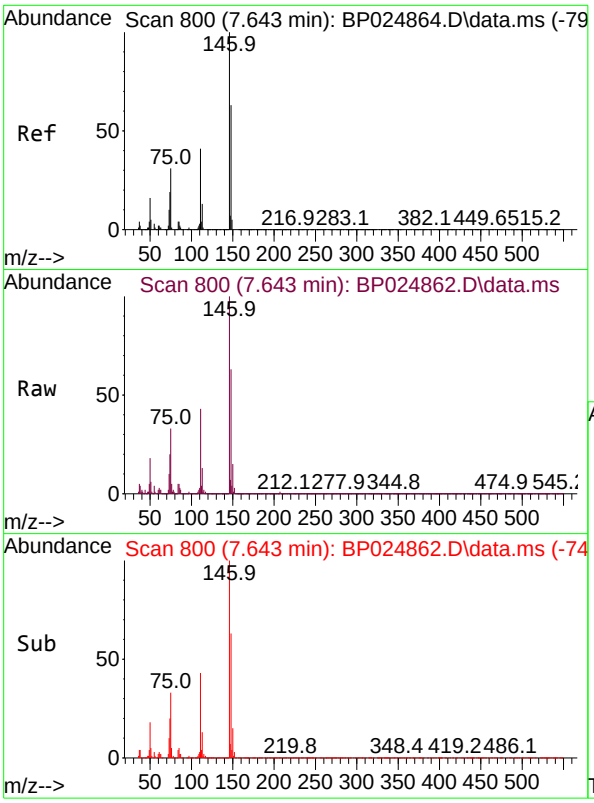


#12
1,3-Dichlorobenzene
Concen: 9.995 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 168166

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
75	31.0	25.3	37.9

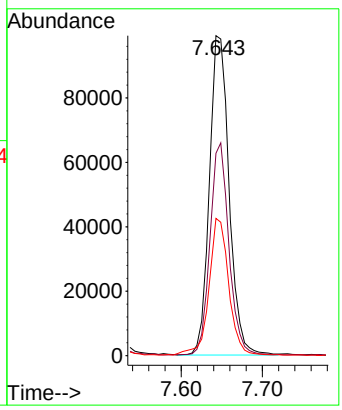




#13
1,4-Dichlorobenzene
Concen: 9.857 ng
RT: 7.643 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 16733

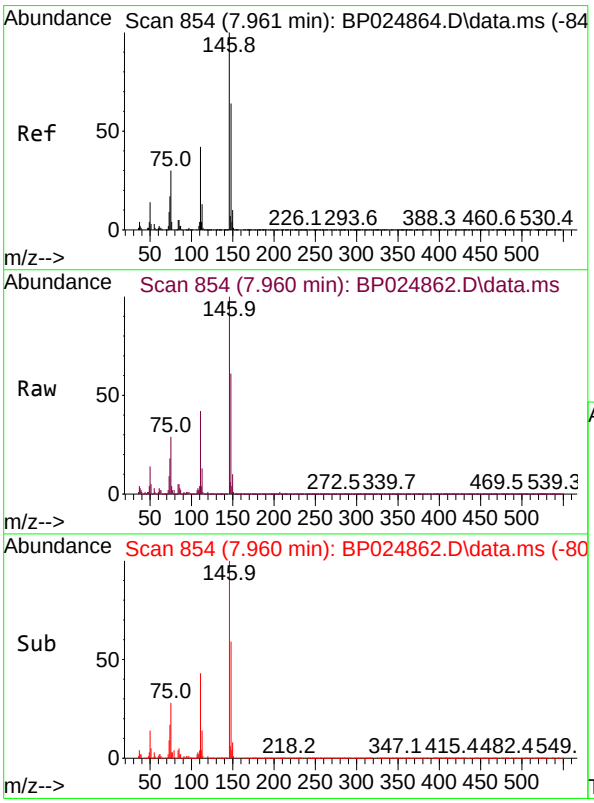
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	42.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

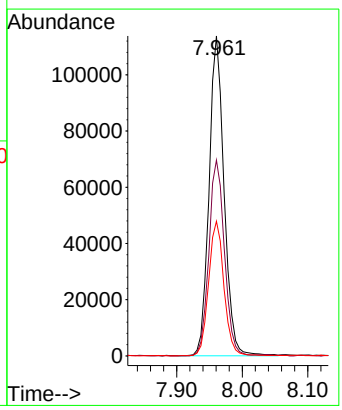
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

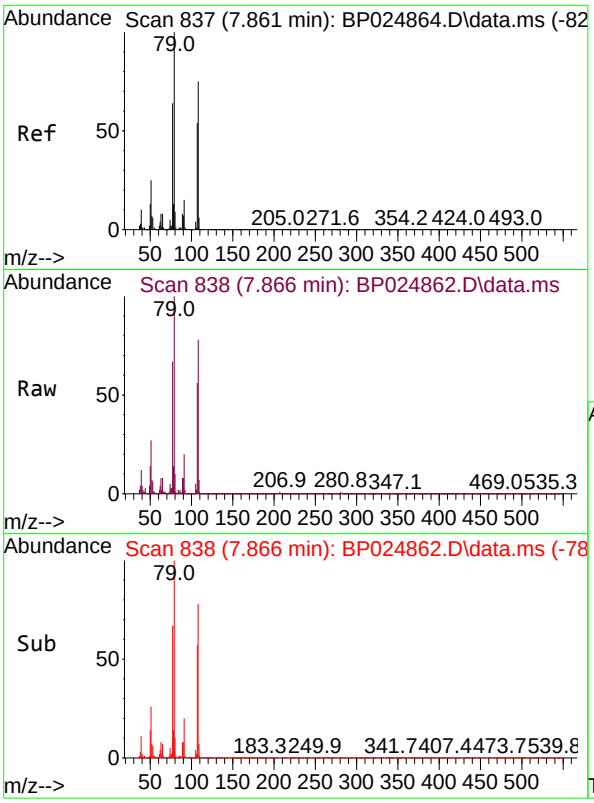


#14
1,2-Dichlorobenzene
Concen: 10.904 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 181774

Ion	Ratio	Lower	Upper
146	100		
148	61.2	51.0	76.4
111	42.1	33.8	50.8

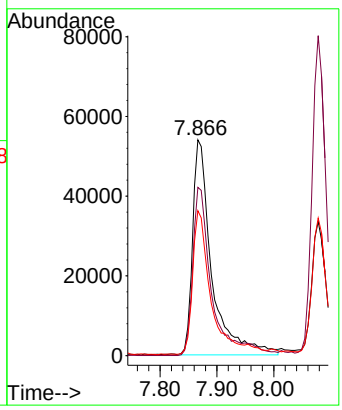




#15
Benzyl Alcohol
Concen: 9.341 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 79 Resp: 12619

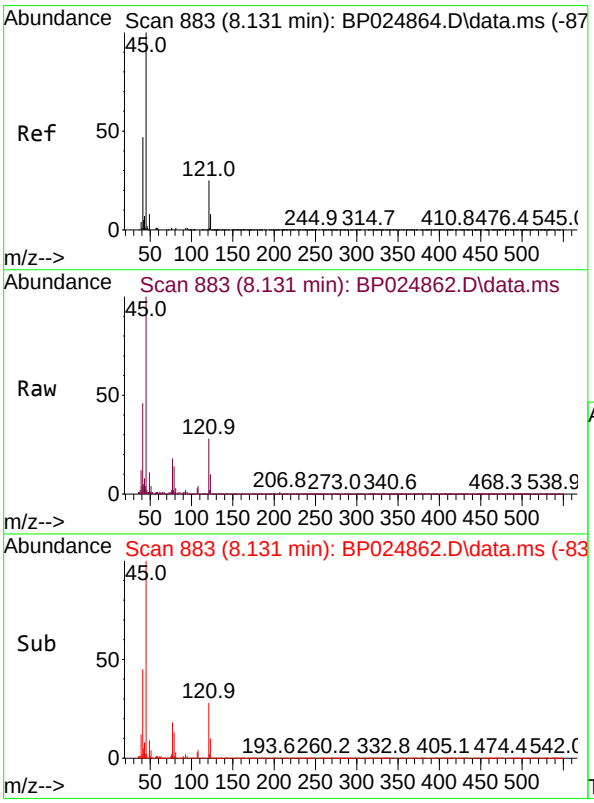
Ion	Ratio	Lower	Upper
79	100		
108	78.0	60.2	90.4
77	67.2	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

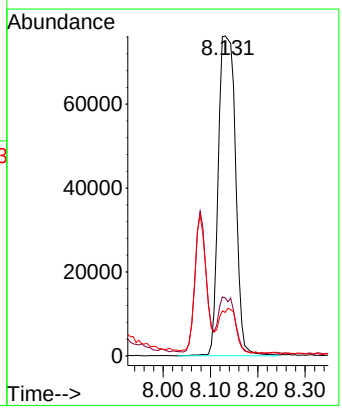
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

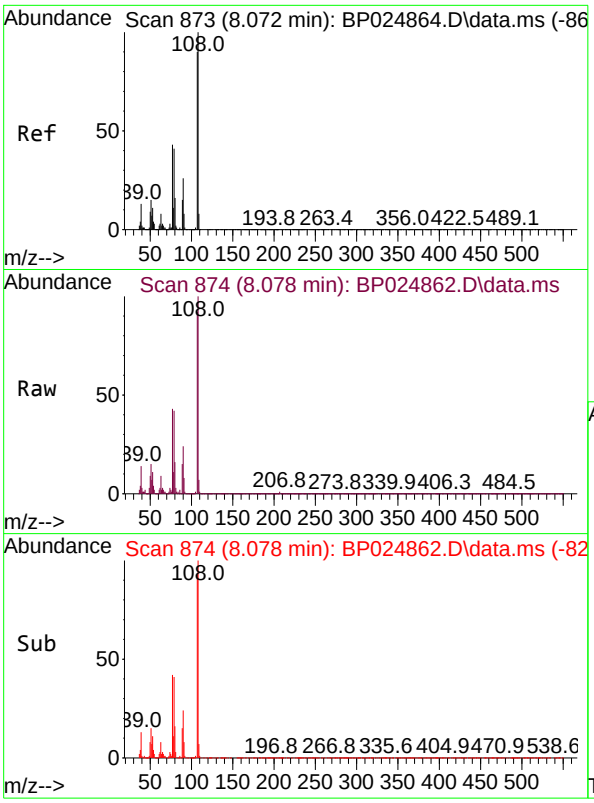


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.298 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 45 Resp: 192365

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	36.3
79	13.6	0.0	32.2

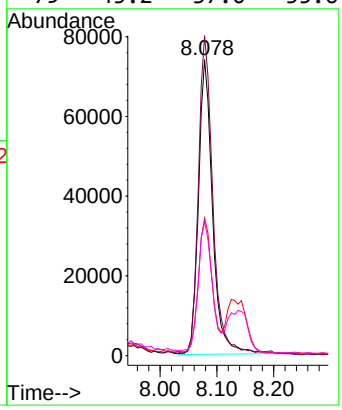




#17
2-Methylphenol
Concen: 10.069 ng
RT: 8.078 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 12758

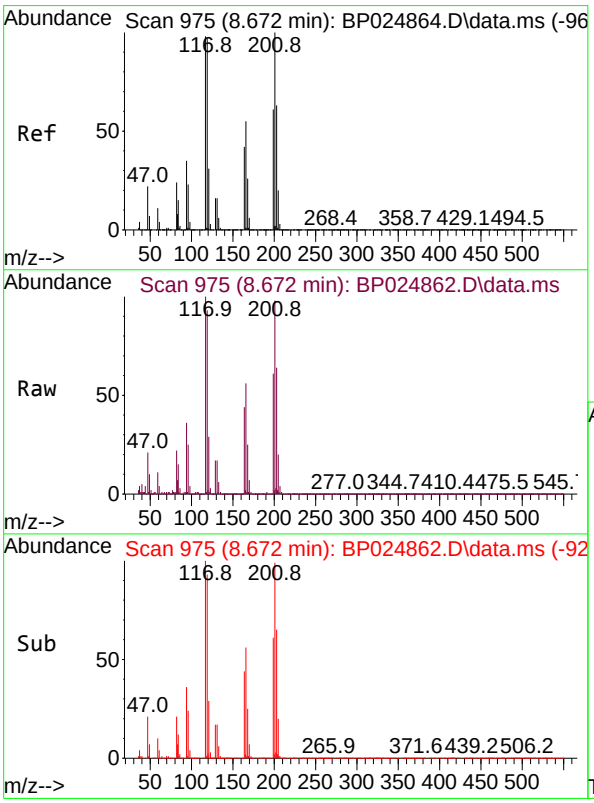
Ion	Ratio	Lower	Upper
107	100		
108	108.1	88.6	132.8
77	46.5	38.5	57.7
79	45.2	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

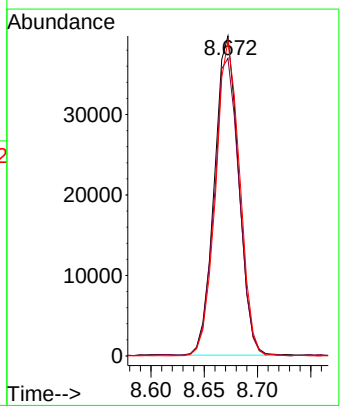
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

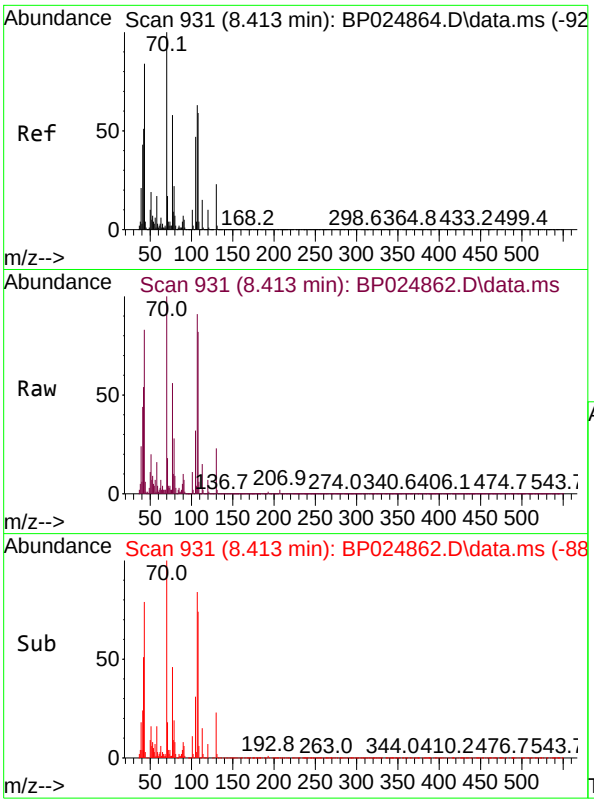


#18
Hexachloroethane
Concen: 9.815 ng
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:117 Resp: 62735

Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.4	119.2
201	98.5	81.4	122.2

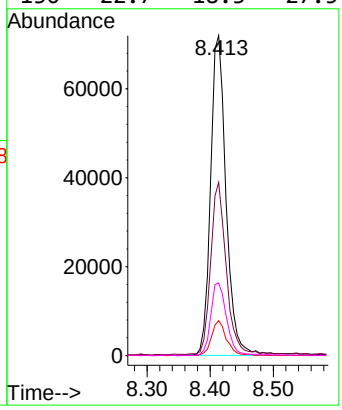




#19
n-Nitroso-di-n-propylamine
Concen: 10.254 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 70 Resp: 12271

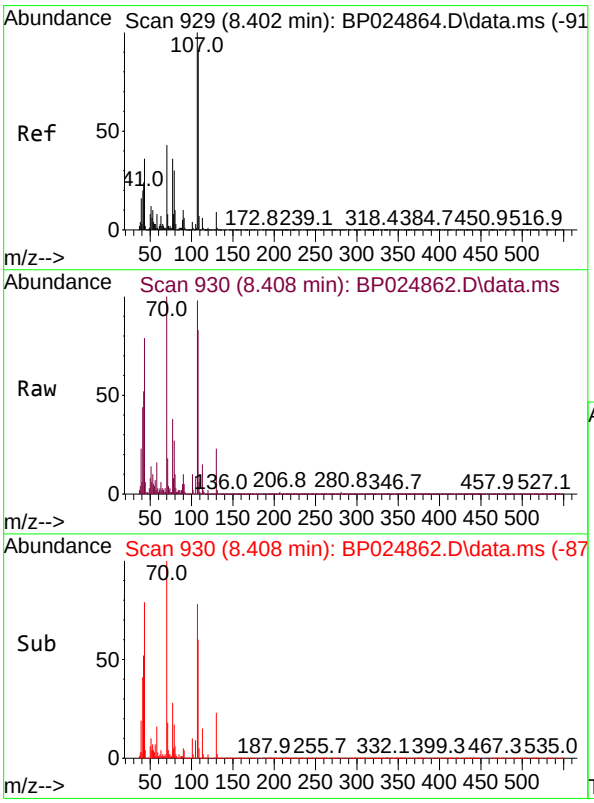
Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.2	61.8
101	10.9	8.3	12.5
130	22.7	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

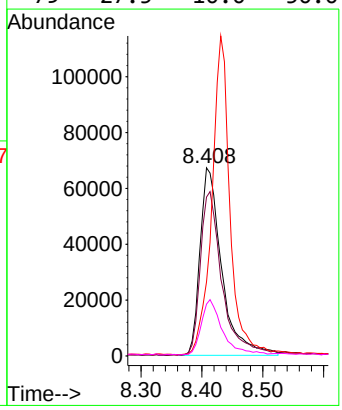
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

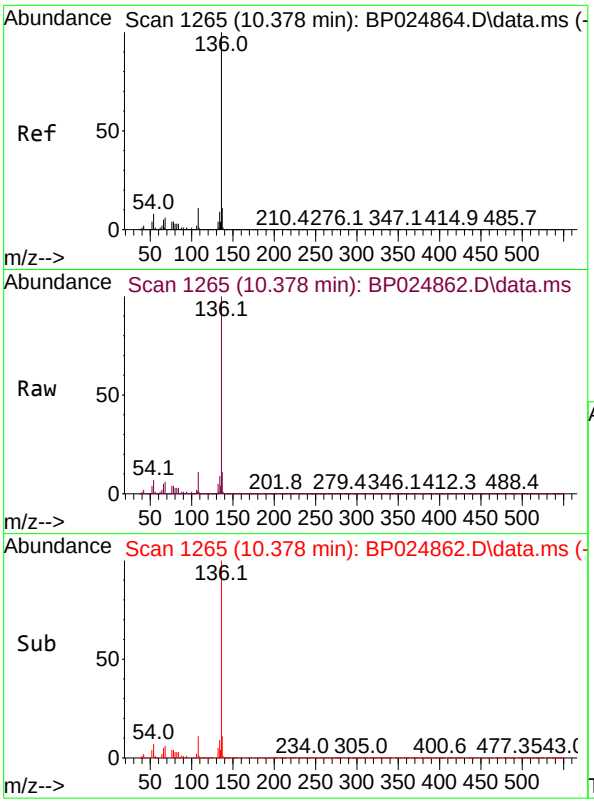


#20
3+4-Methylphenols
Concen: 9.677 ng
RT: 8.408 min Scan# 930
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 167301

Ion	Ratio	Lower	Upper
107	100		
108	84.4	70.7	110.7
77	39.3	16.6	56.6
79	27.5	10.0	50.0

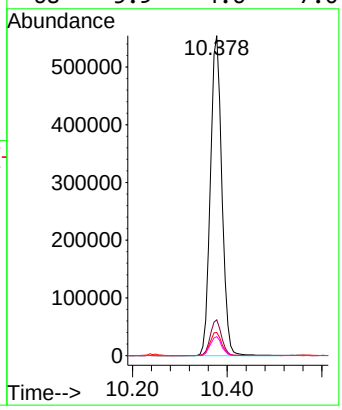




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:136 Resp: 92971

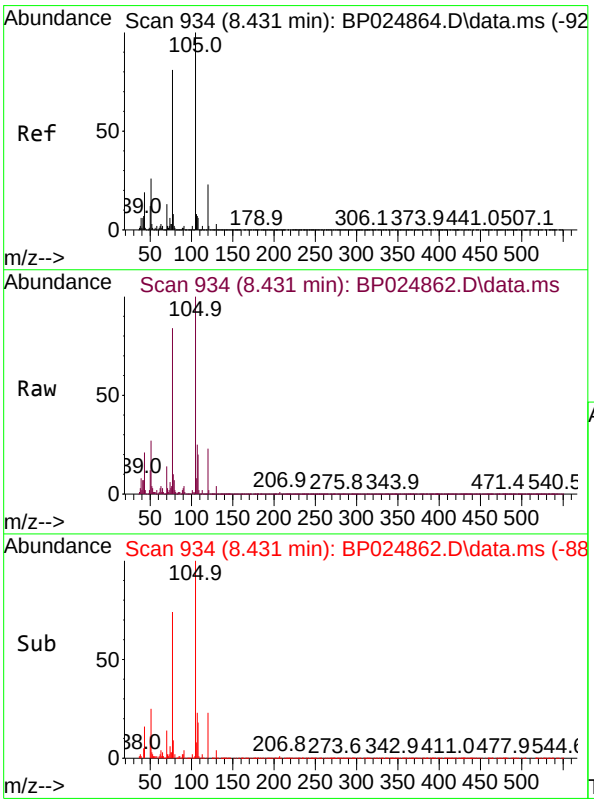
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.9	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

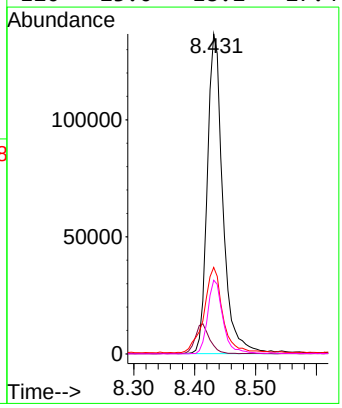
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

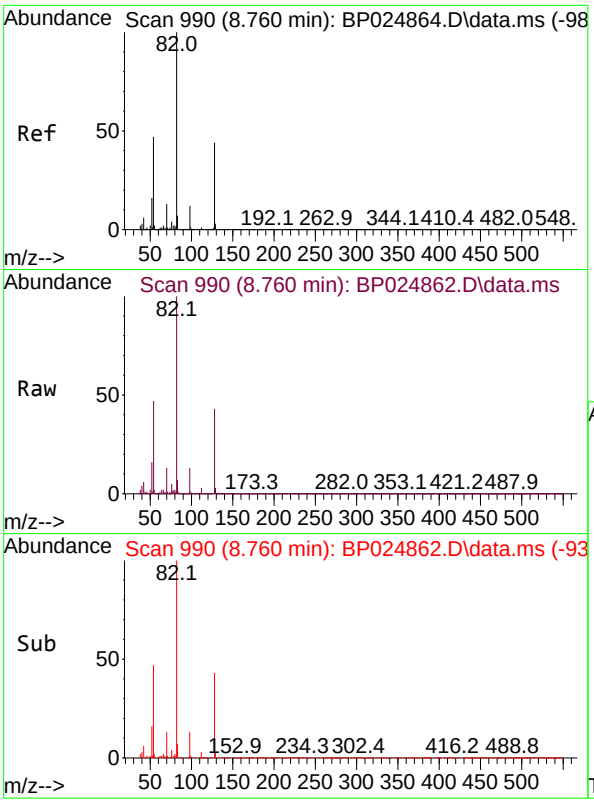


#22
Acetophenone
Concen: 10.317 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:105 Resp: 242331

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.6	2.4#
51	27.0	20.6	31.0
120	23.0	18.2	27.4

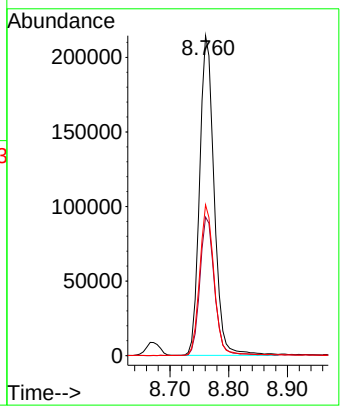




#23
Nitrobenzene-d5
Concen: 19.290 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 82 Resp: 369077

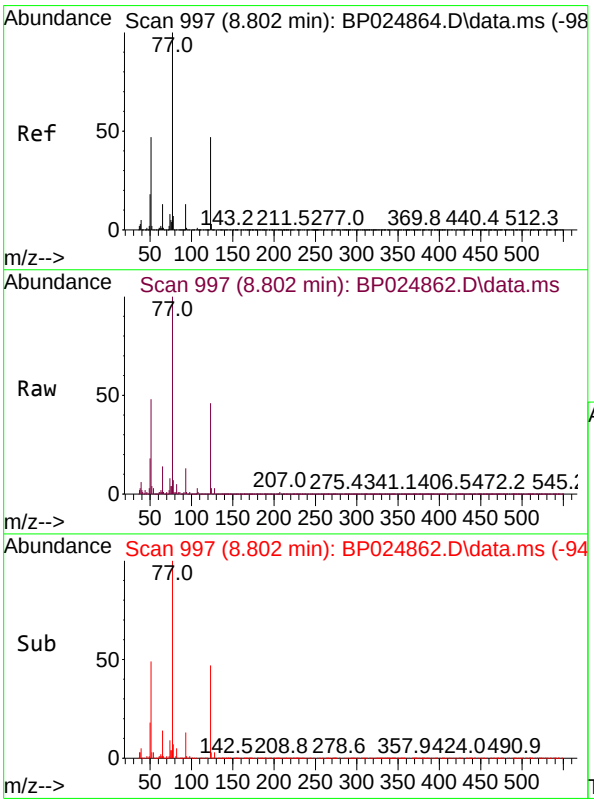
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.3	52.9
54	47.2	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

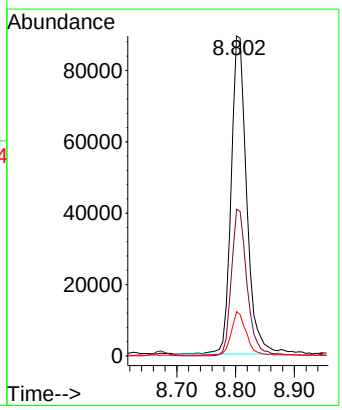
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

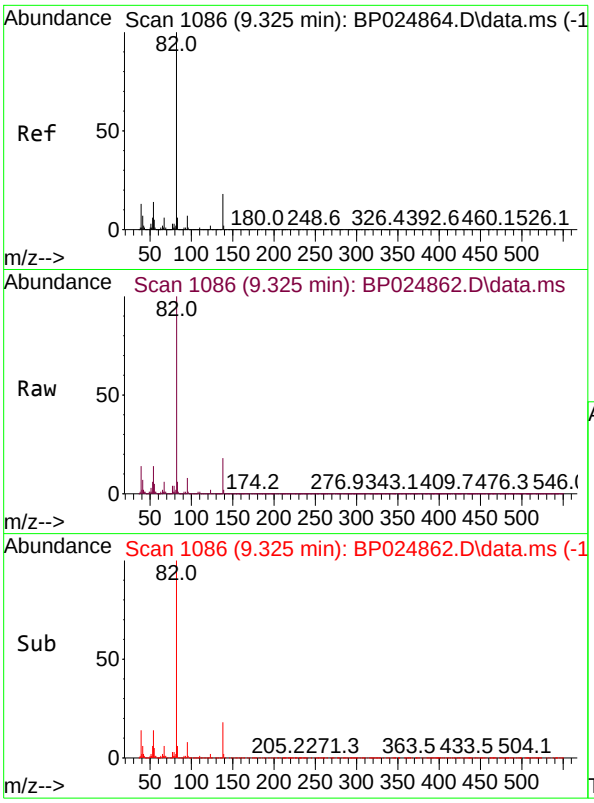


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 163008

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.3	55.9
65	13.8	10.8	16.2

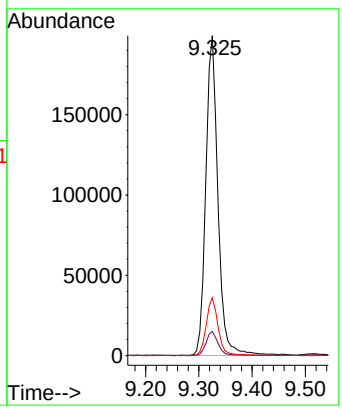




#25
Isophorone
Concen: 9.500 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 82 Resp: 31502

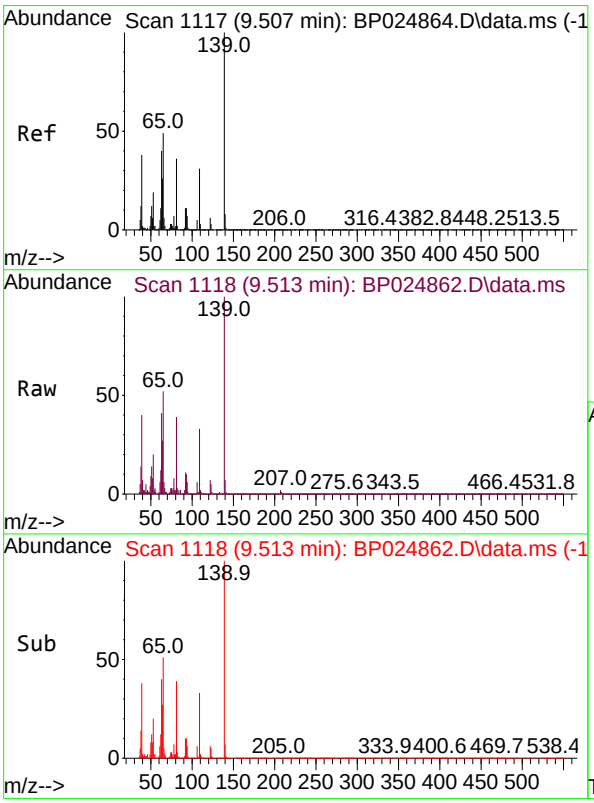
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.1	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

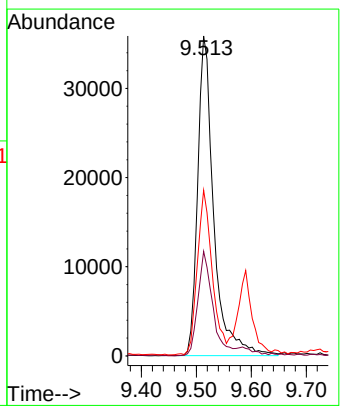
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

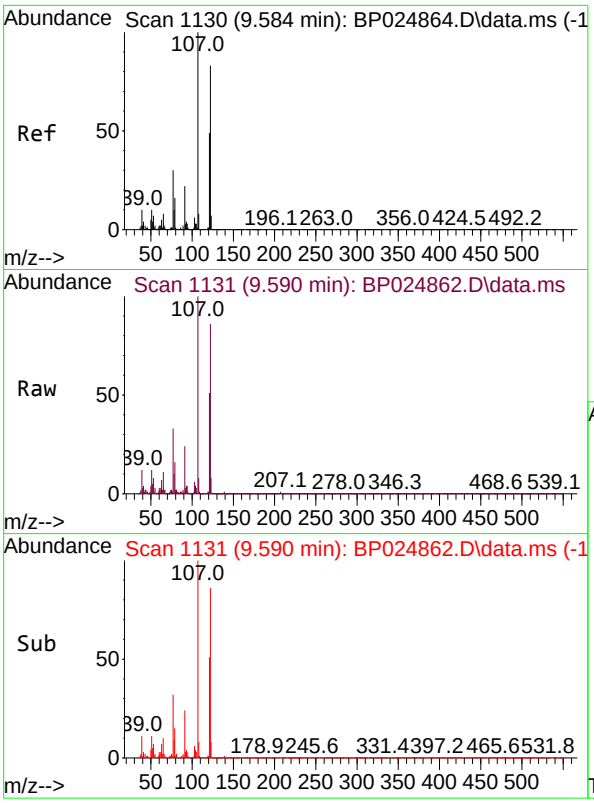


#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:139 Resp: 72892

Ion	Ratio	Lower	Upper
139	100		
109	32.7	24.6	37.0
65	51.8	39.5	59.3

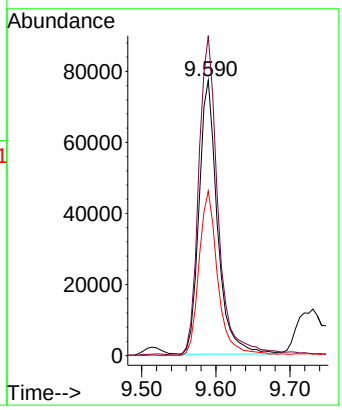




#27
2,4-Dimethylphenol
Concen: 9.251 ng
RT: 9.590 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:122 Resp: 13278

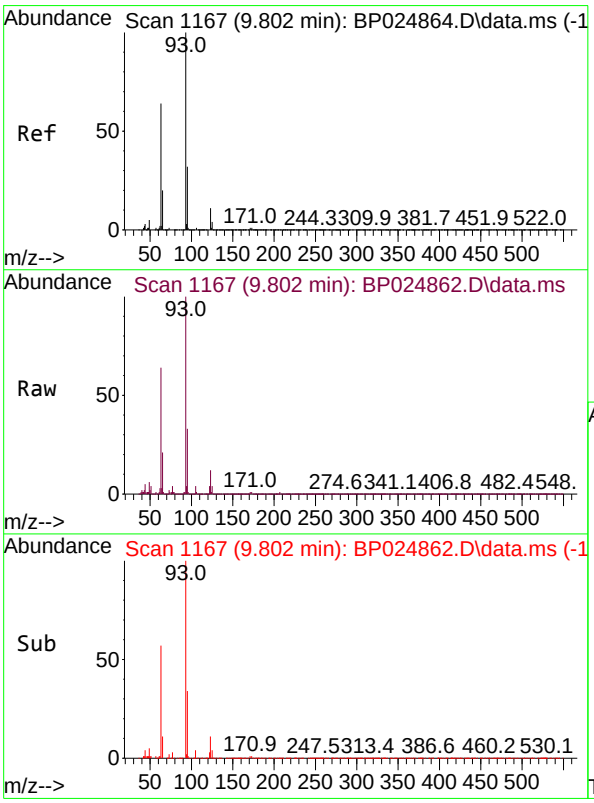
Ion	Ratio	Lower	Upper
122	100		
107	116.3	96.2	144.4
121	59.8	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

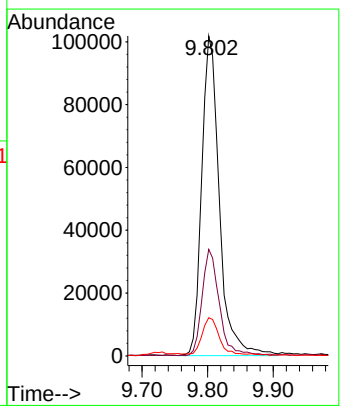
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

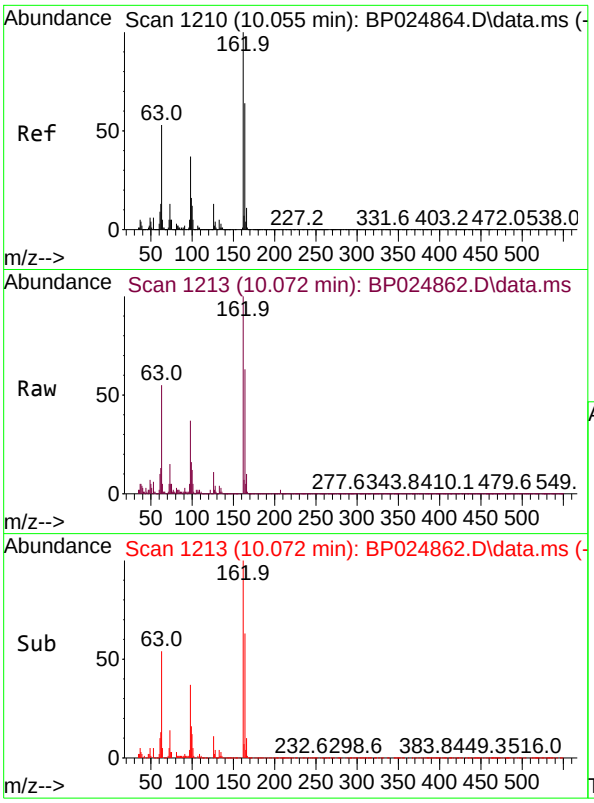


#28
bis(2-Chloroethoxy)methane
Concen: 9.590 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 189690

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.5	38.3
123	12.0	9.2	13.8

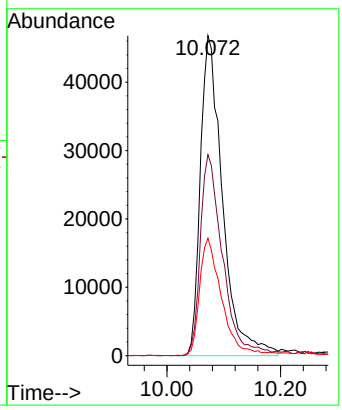




#29
2,4-Dichlorophenol
Concen: 9.187 ng
RT: 10.072 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:162 Resp: 12652

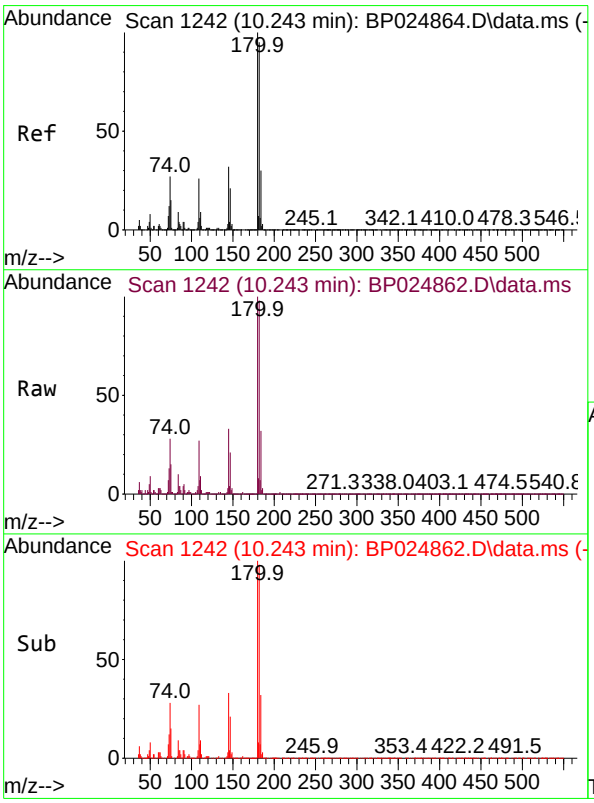
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	36.7	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

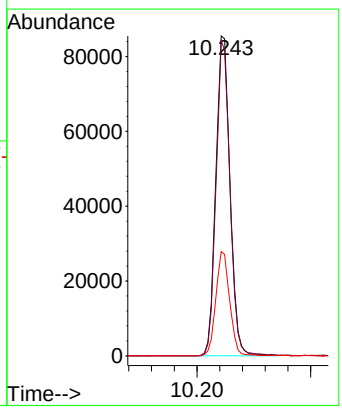
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

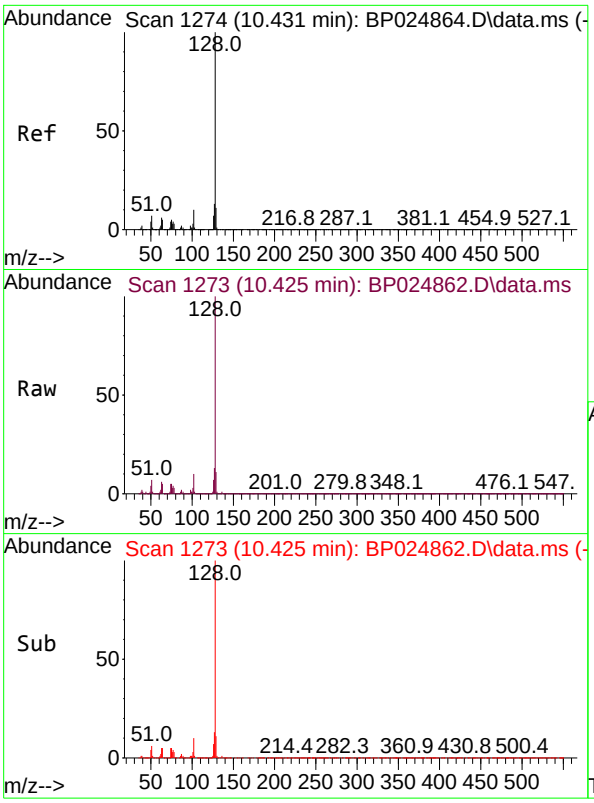


#30
1,2,4-Trichlorobenzene
Concen: 9.544 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:180 Resp: 148252

Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.8	113.6
145	32.6	25.7	38.5

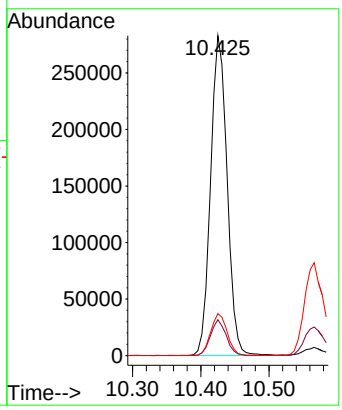




#31
Naphthalene
Concen: 9.969 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:128 Resp: 47496

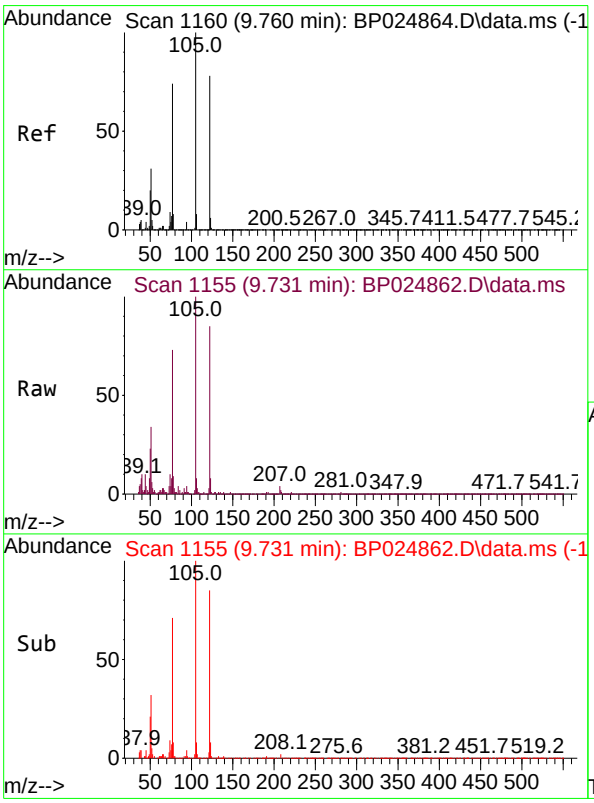
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

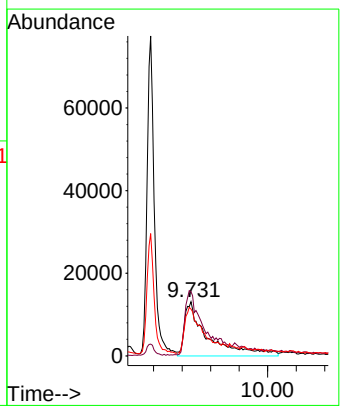
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

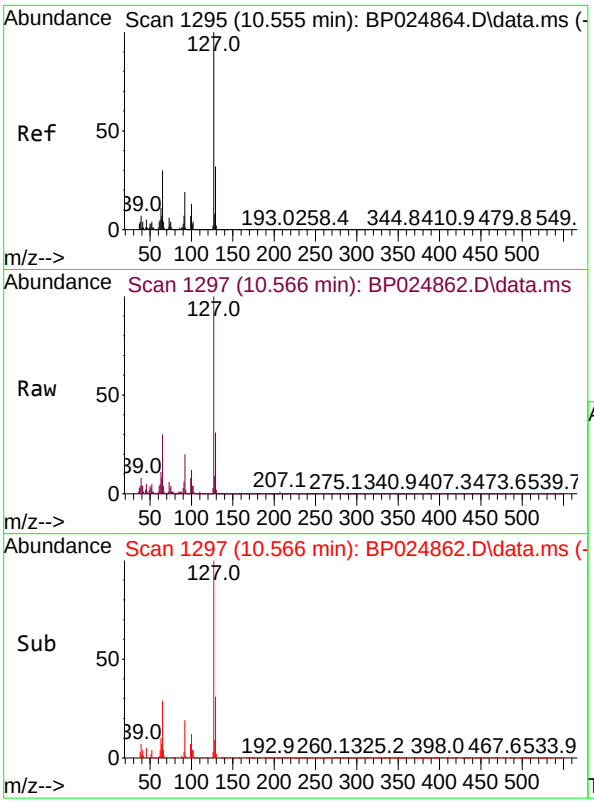


#32
Benzoic acid
Concen: 7.736 ng m
RT: 9.731 min Scan# 1155
Delta R.T. -0.029 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:122 Resp: 74032

Ion	Ratio	Lower	Upper
122	100		
105	118.3	107.1	147.1
77	86.5	75.1	115.1

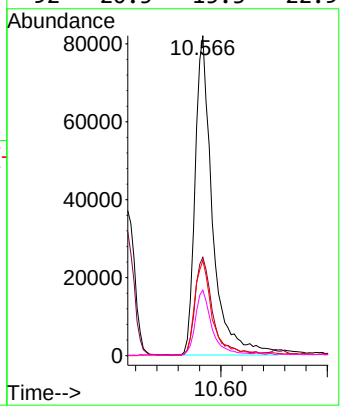




#33
4-Chloroaniline
Concen: 9.338 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:127 Resp: 18640

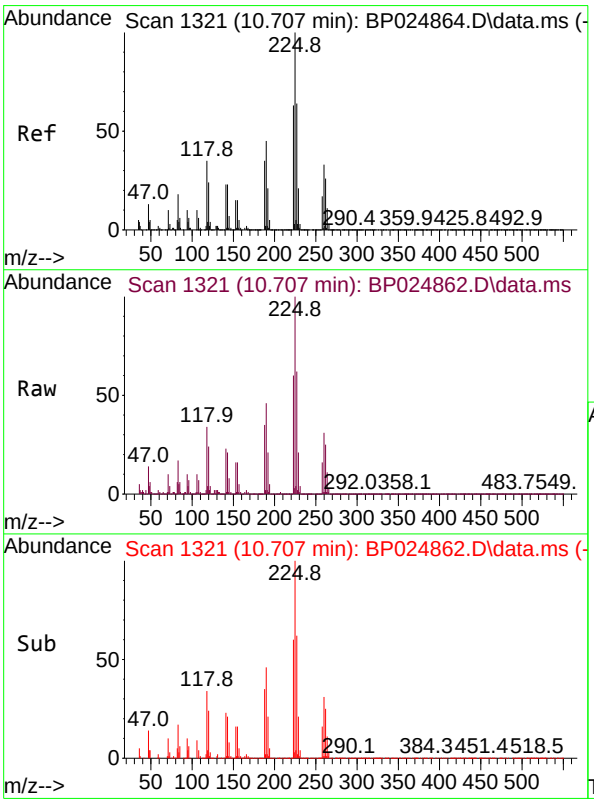
Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.9	38.9
65	29.7	23.9	35.9
92	20.5	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

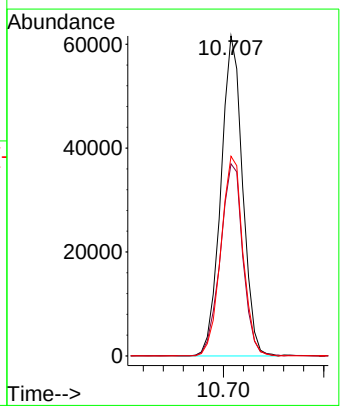
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

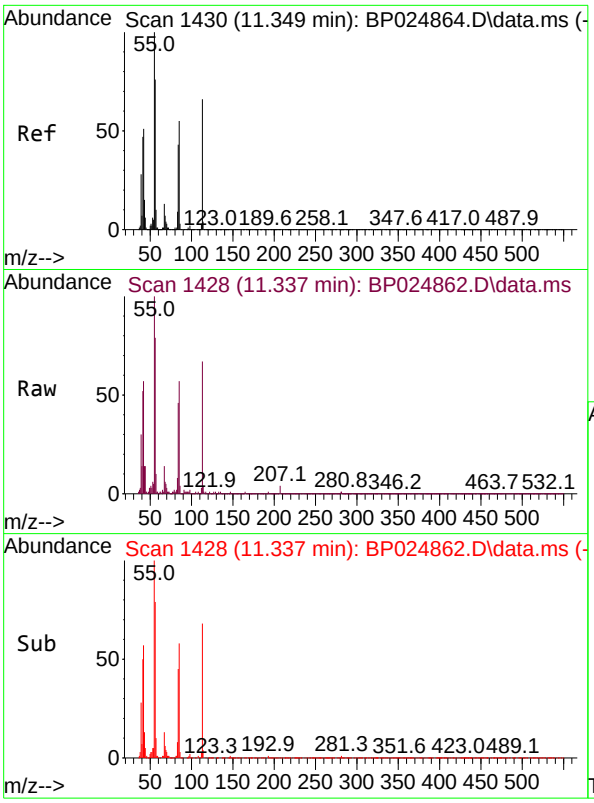


#34
Hexachlorobutadiene
Concen: 9.880 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:225 Resp: 92498

Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.5	75.7
227	62.4	51.4	77.2

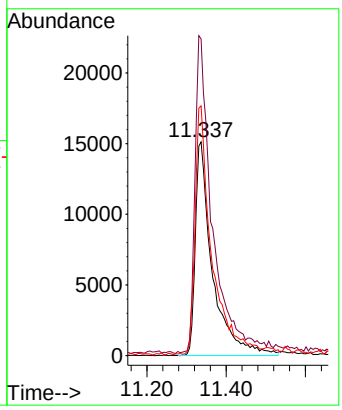




#35
Caprolactam
Concen: 8.949 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:113 Resp: 4536

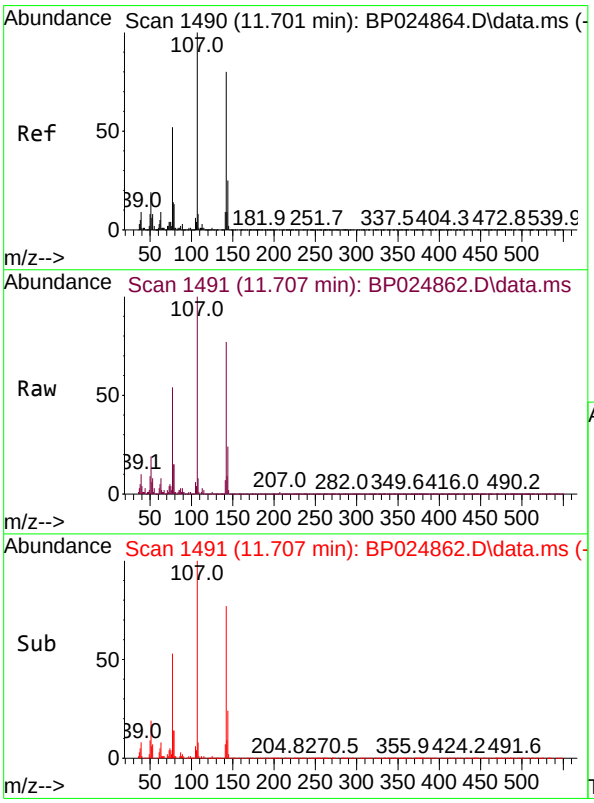
Ion	Ratio	Lower	Upper
113	100		
55	148.2	132.5	172.5
56	116.8	96.0	136.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

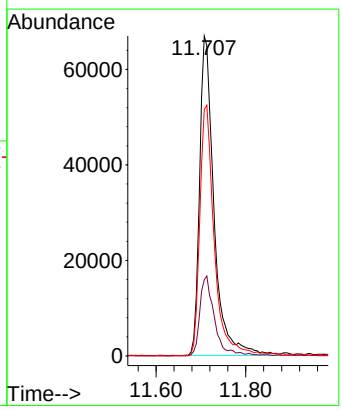
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

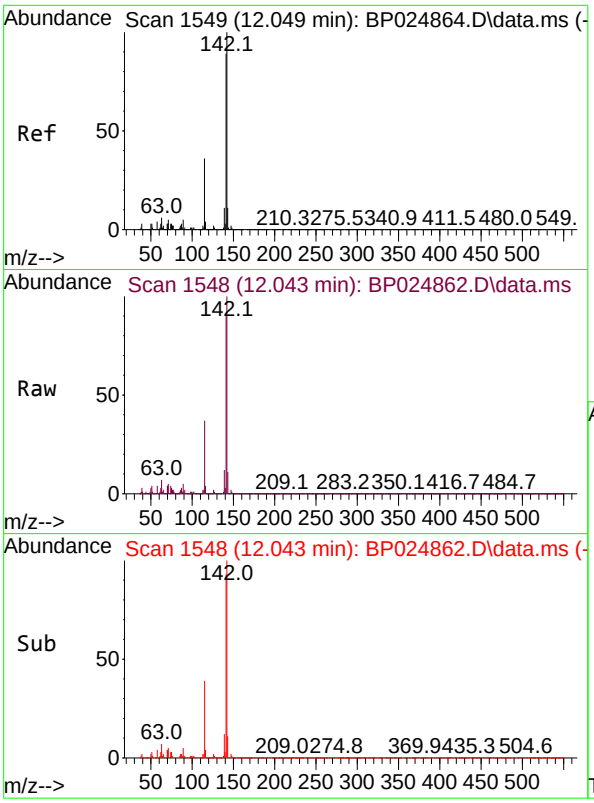


#36
4-Chloro-3-methylphenol
Concen: 9.418 ng
RT: 11.707 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 149607

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.4	30.6
142	77.0	63.8	95.6

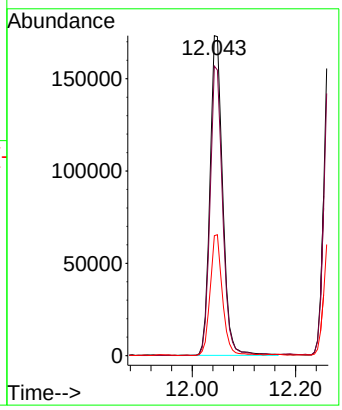




#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:142 Resp: 29647

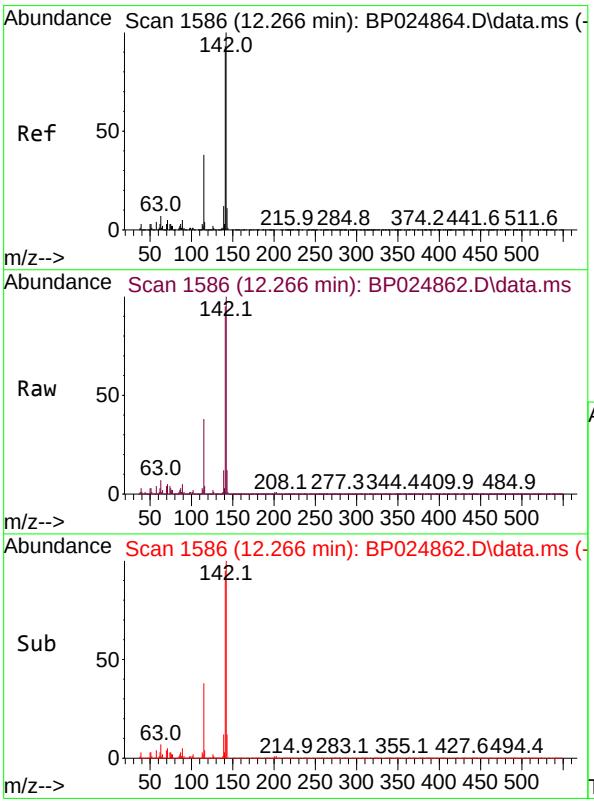
Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.2	106.8
115	37.5	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

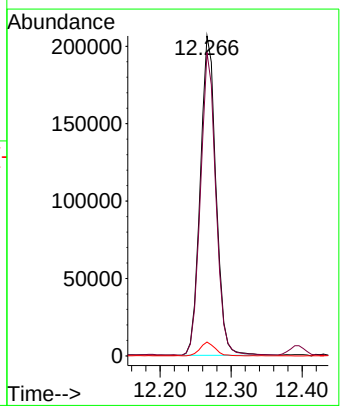
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

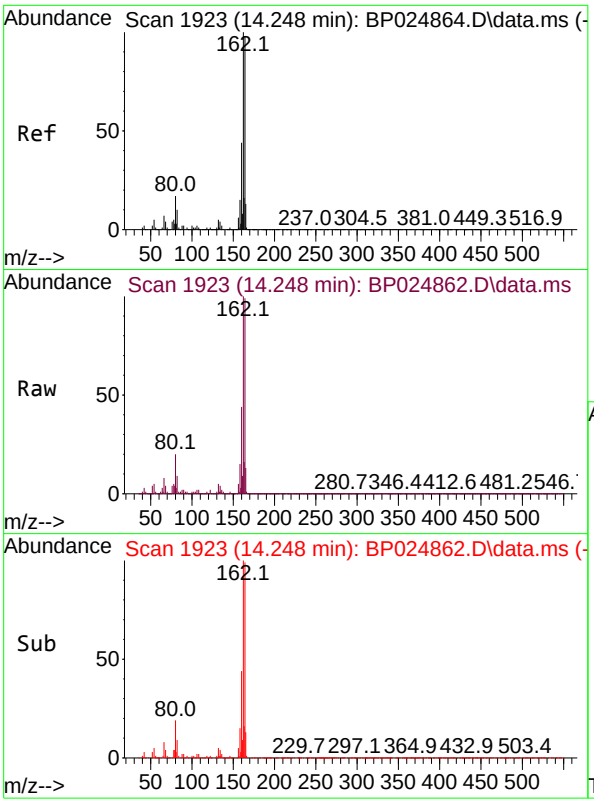


#38
1-Methylnaphthalene
Concen: 9.786 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:142 Resp: 316179

Ion	Ratio	Lower	Upper
142	100		
141	94.8	74.7	112.1
116	4.3	3.4	5.0

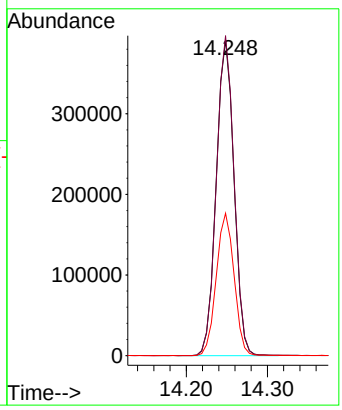




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:164 Resp: 59437

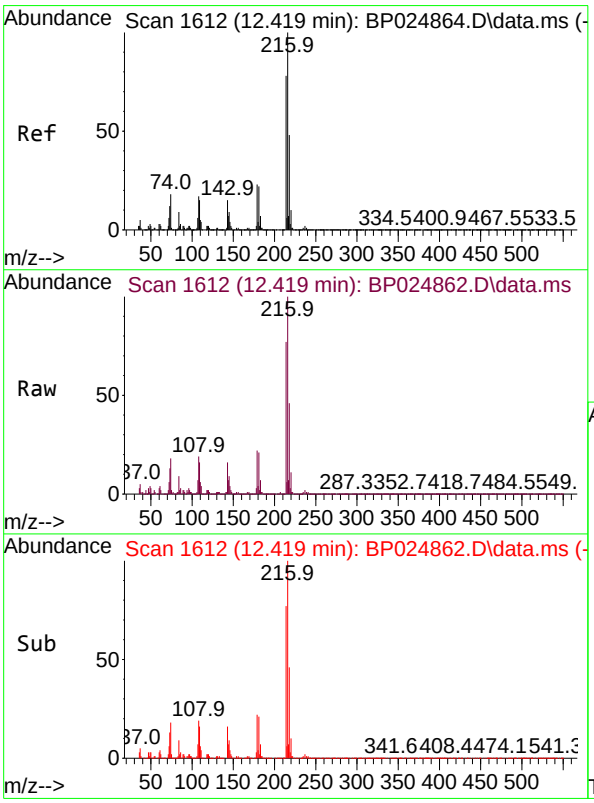
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

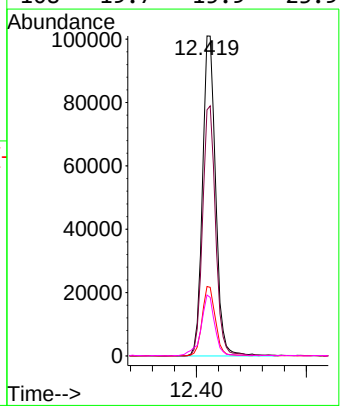
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

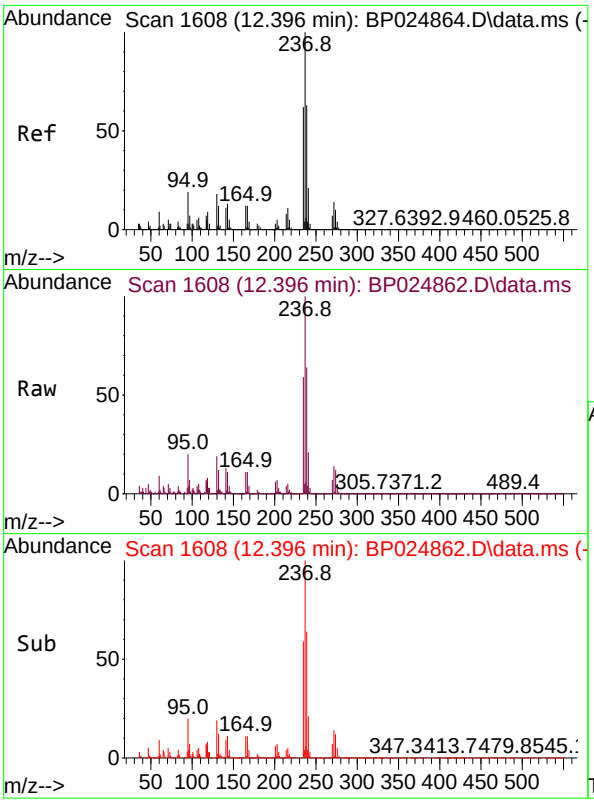


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.888 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:216 Resp: 166771

Ion	Ratio	Lower	Upper
216	100		
214	77.6	63.0	94.4
179	21.9	17.8	26.6
108	19.7	15.9	23.9

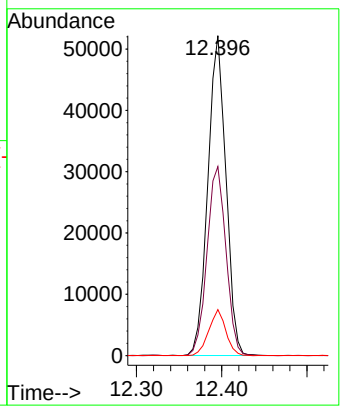




#41
Hexachlorocyclopentadiene
Concen: 7.477 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:237 Resp: 7691

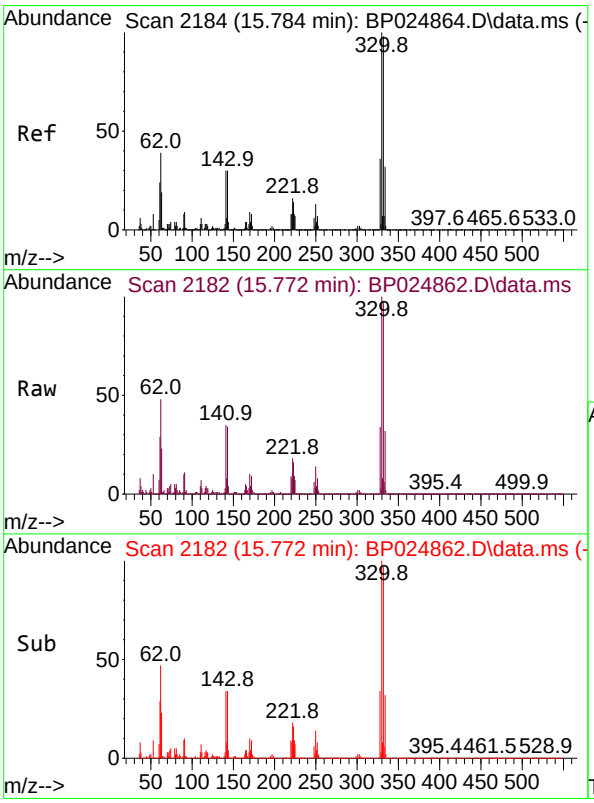
Ion	Ratio	Lower	Upper
237	100		
235	59.1	41.9	81.9
272	14.4	0.0	33.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

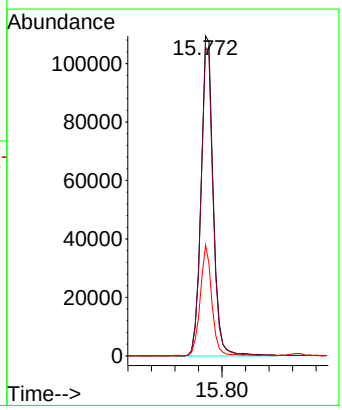
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

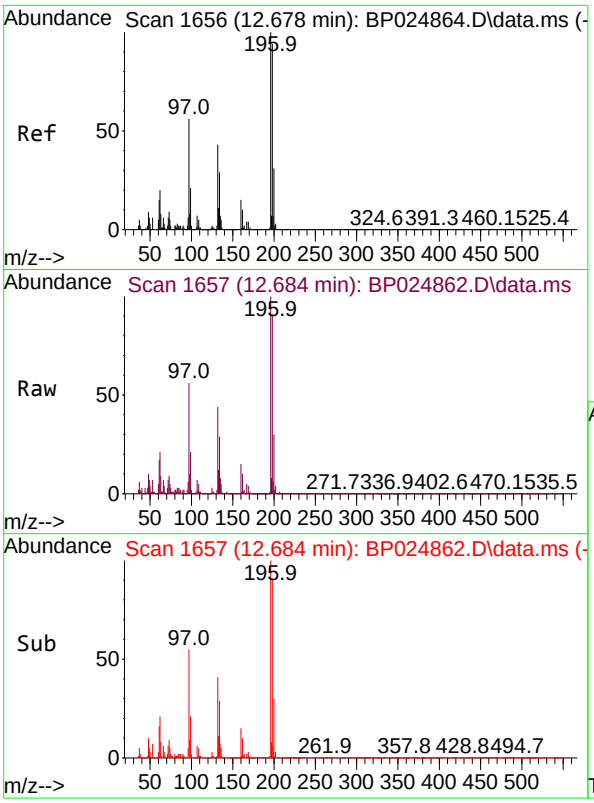


#42
2,4,6-Tribromophenol
Concen: 19.089 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:330 Resp: 156861

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	33.1	26.4	39.6

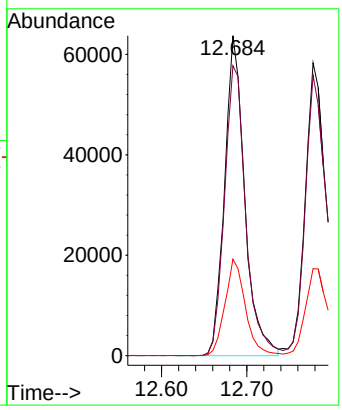




#43
2,4,6-Trichlorophenol
Concen: 9.248 ng
RT: 12.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:196 Resp: 10474

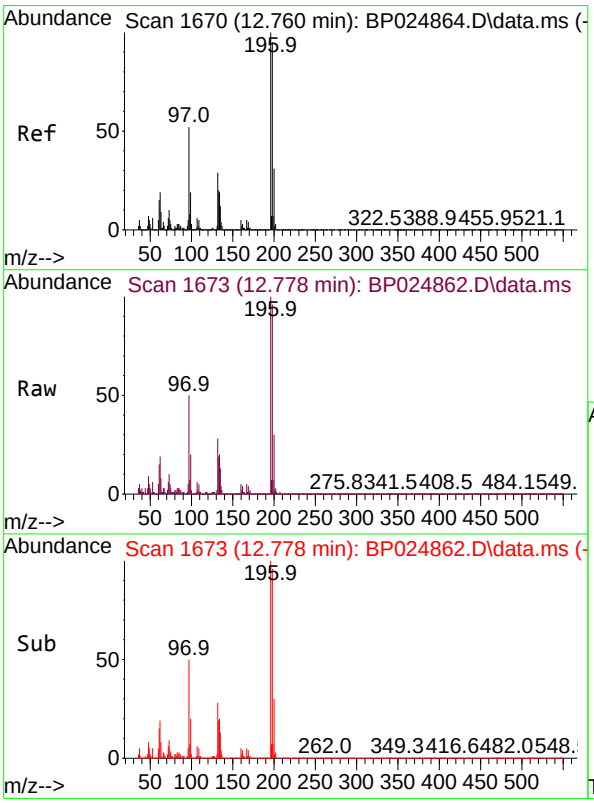
Ion	Ratio	Lower	Upper
196	100		
198	90.6	75.4	113.0
200	30.1	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

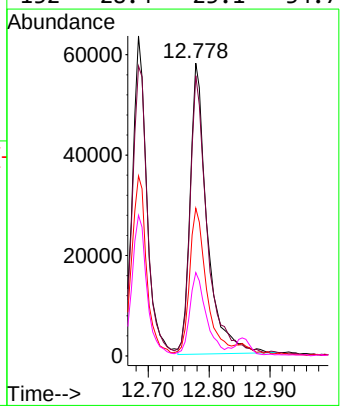
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

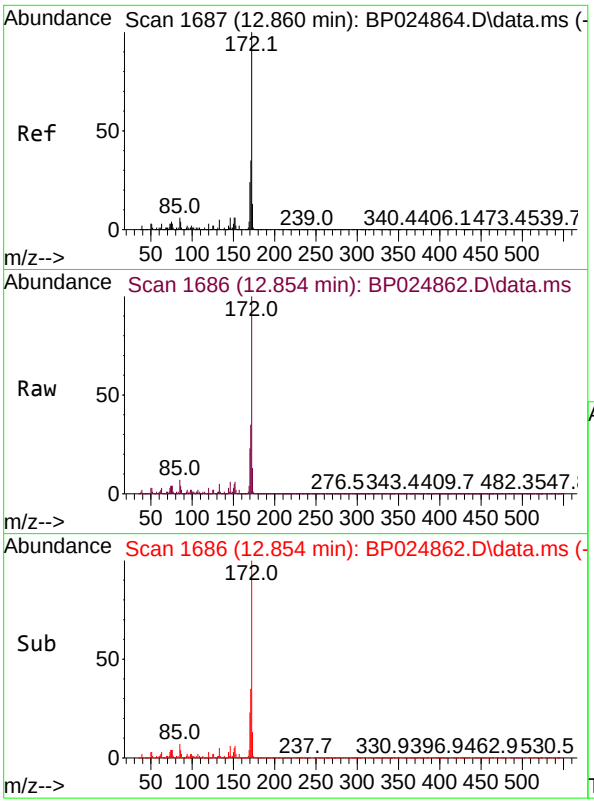


#44
2,4,5-Trichlorophenol
Concen: 9.294 ng
RT: 12.778 min Scan# 1673
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:196 Resp: 112735

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.0	114.0
97	50.4	41.5	62.3
132	28.4	23.1	34.7

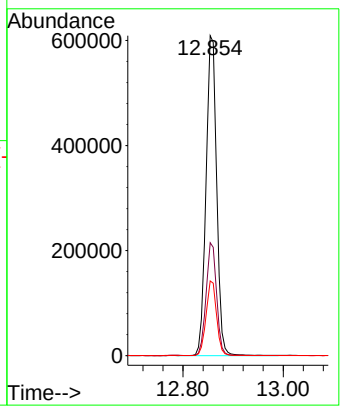




#45
2-Fluorobiphenyl
Concen: 20.308 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:172 Resp: 89600

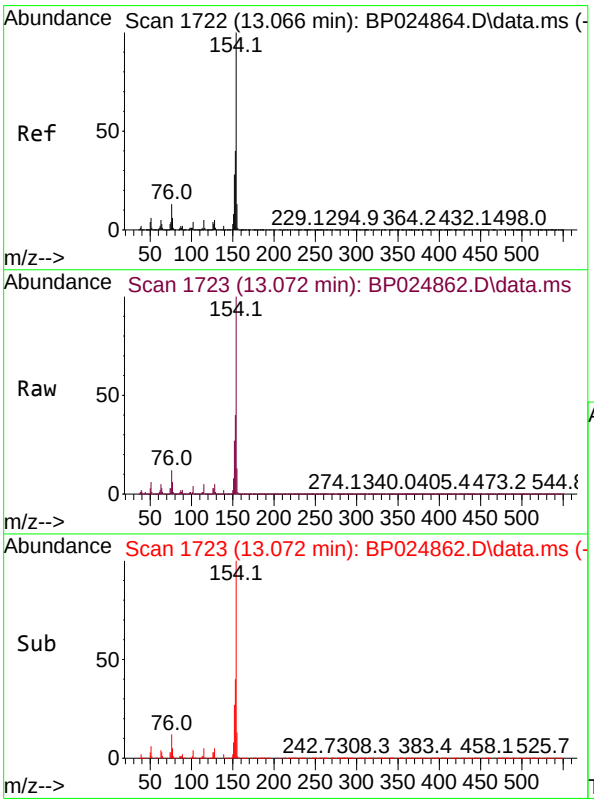
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

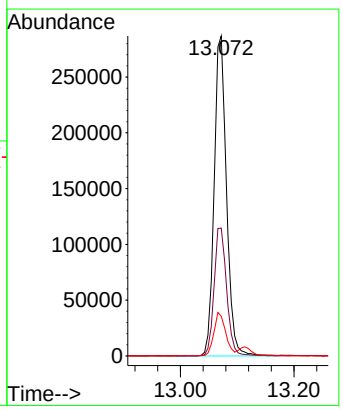
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

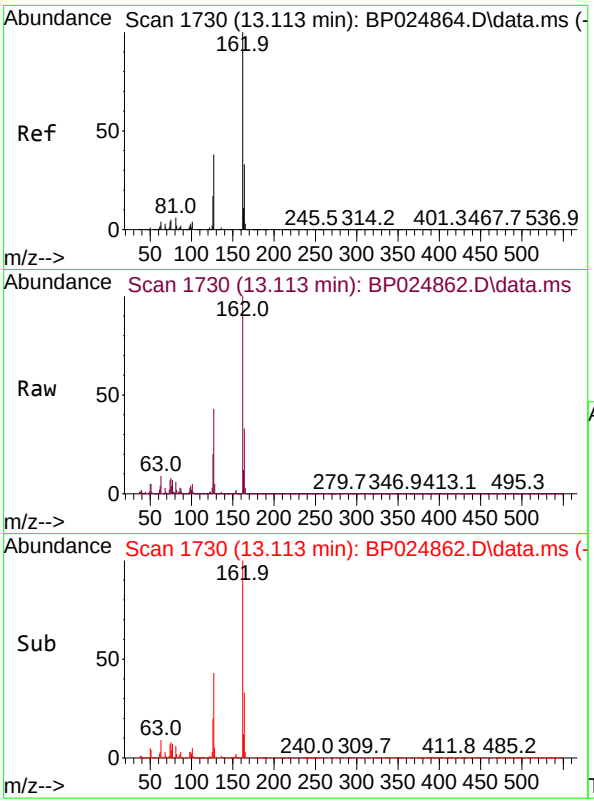


#46
1,1'-Biphenyl
Concen: 10.020 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:154 Resp: 432819

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	12.4	0.0	33.0

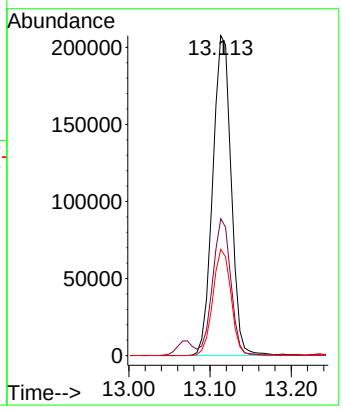




#47
2-Chloronaphthalene
Concen: 9.882 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:162 Resp: 32806

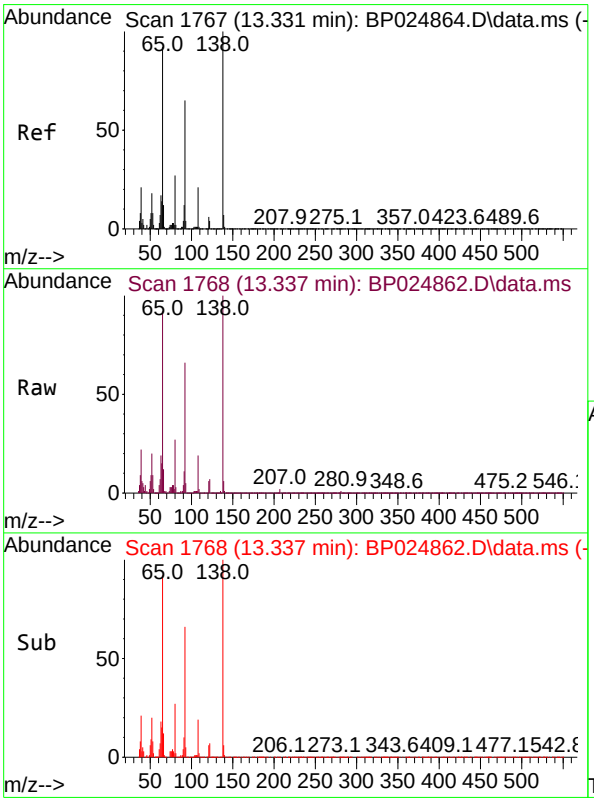
Ion	Ratio	Lower	Upper
162	100		
127	42.8	32.5	48.7
164	33.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

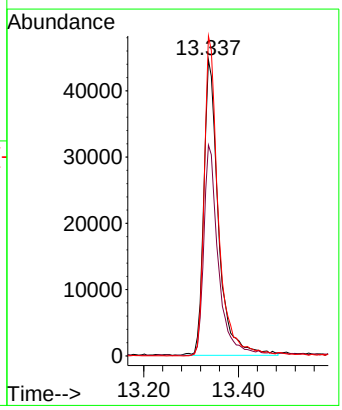
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

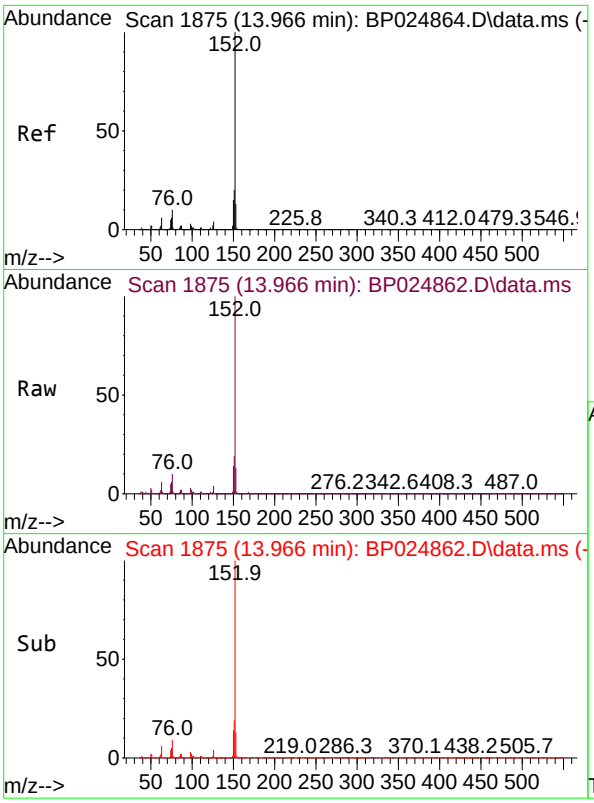


#48
2-Nitroaniline
Concen: 9.426 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 65 Resp: 96210

Ion	Ratio	Lower	Upper
65	100		
92	71.3	56.8	85.2
138	108.2	86.9	130.3





#49
Acenaphthylene
Concen: 9.939 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

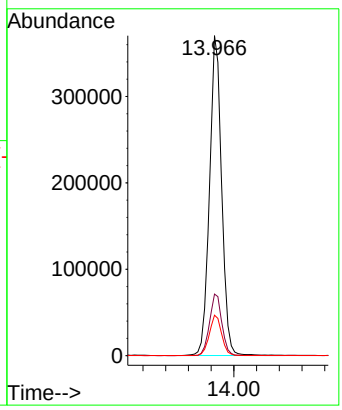
Tgt Ion:152 Resp: 550191

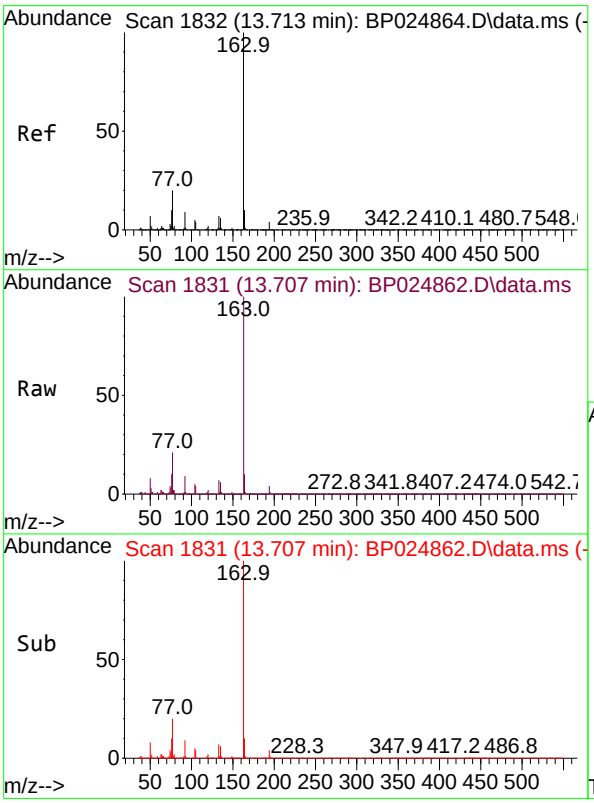
Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2
153	12.7	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

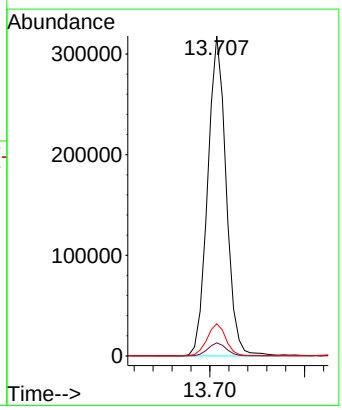


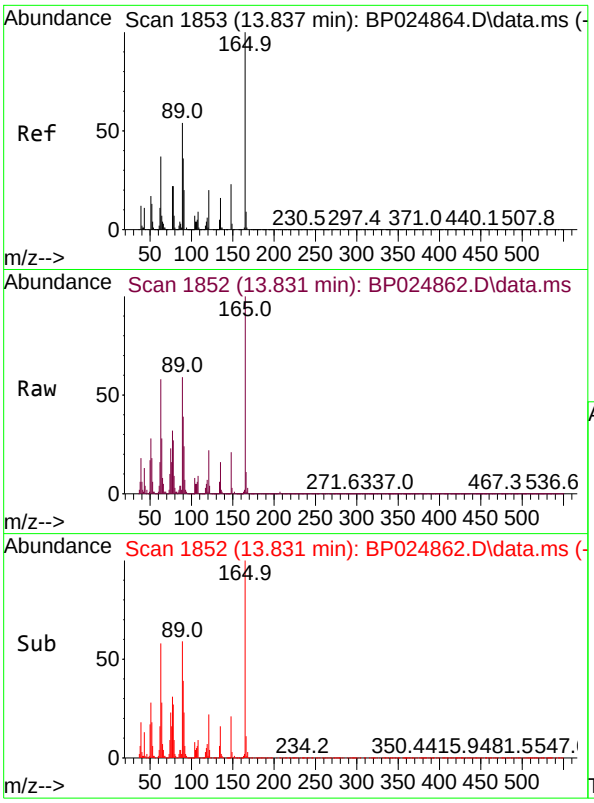


#50
Dimethylphthalate
Concen: 9.826 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:163 Resp: 430821

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.0	12.0

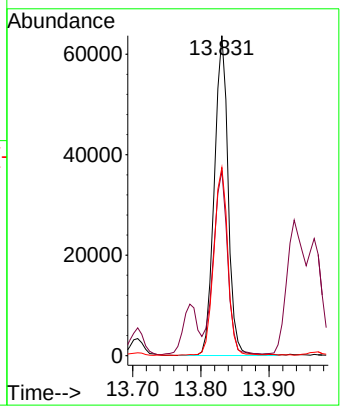




#51
2,6-Dinitrotoluene
Concen: 9.461 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:165 Resp: 8943

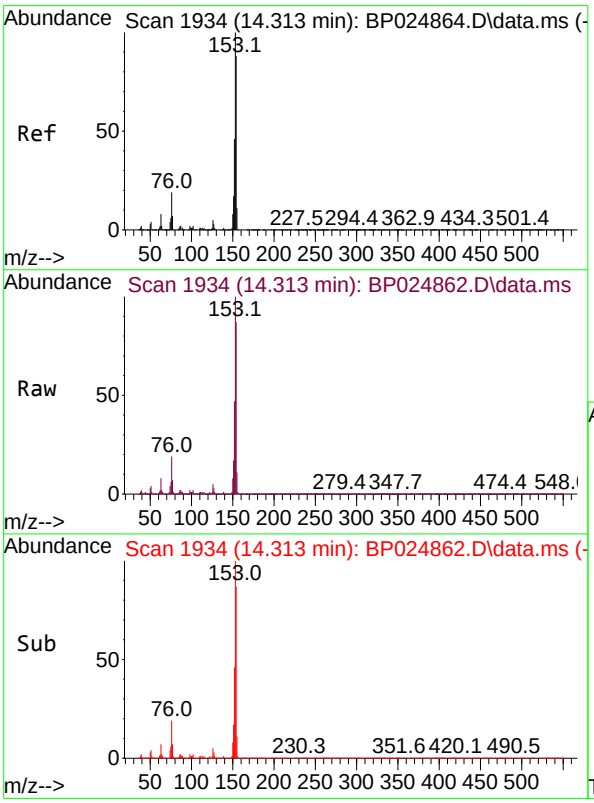
Ion	Ratio	Lower	Upper
165	100		
63	57.8	41.8	62.8
89	58.8	43.1	64.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

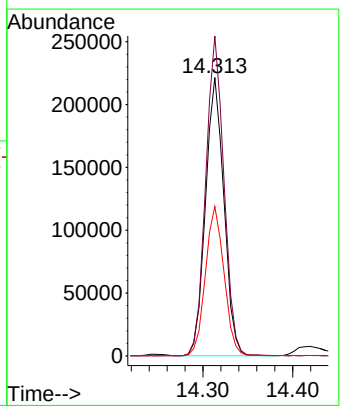
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

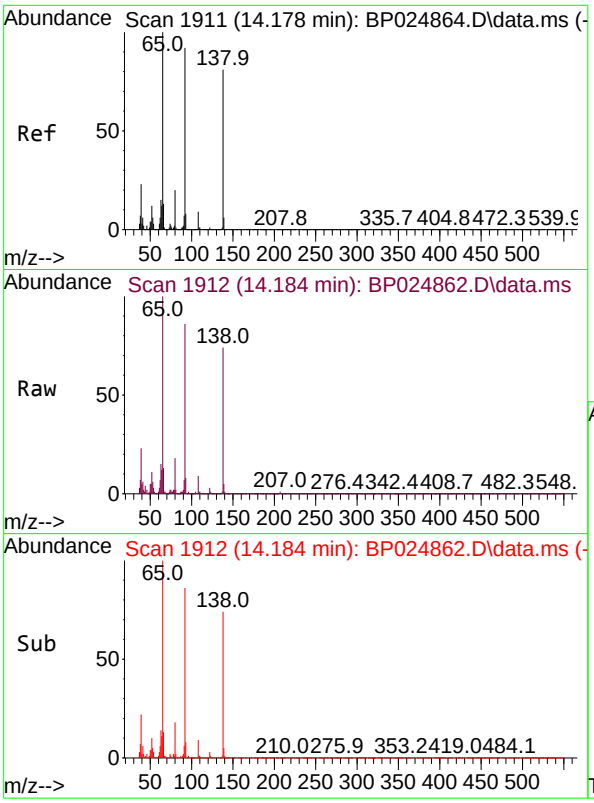


#52
Acenaphthene
Concen: 9.967 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:154 Resp: 316133

Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.5	135.7
152	53.7	42.1	63.1

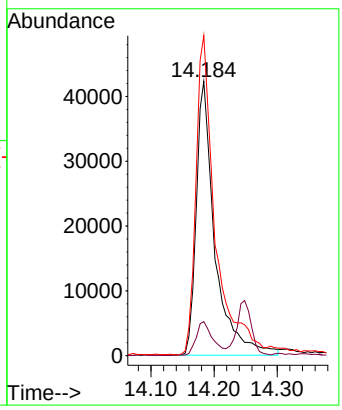




#53
3-Nitroaniline
Concen: 8.838 ng
RT: 14.184 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:138 Resp: 8669

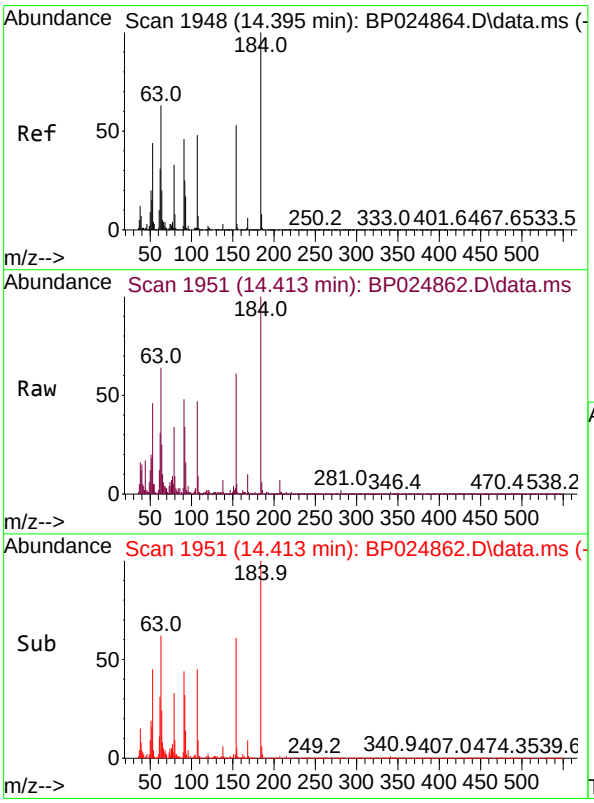
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.6	12.8
92	116.7	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

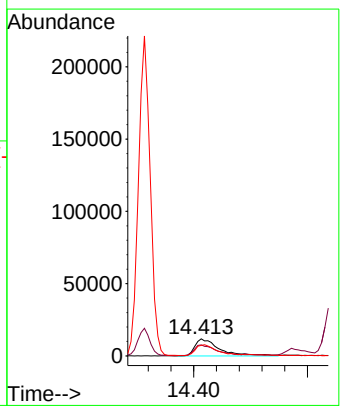
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

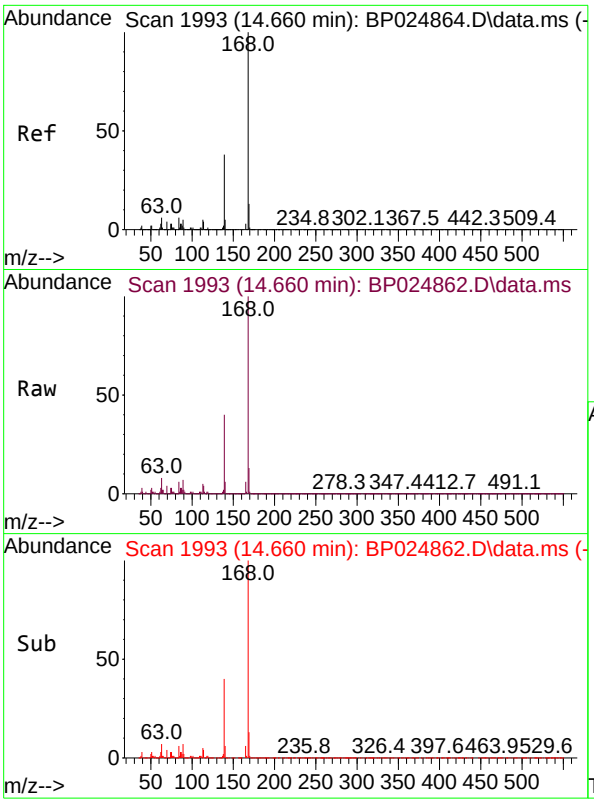


#54
2,4-Dinitrophenol
Concen: 10.838 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:184 Resp: 34890

Ion	Ratio	Lower	Upper
184	100		
63	64.5	51.0	76.4
154	61.4	51.7	77.5

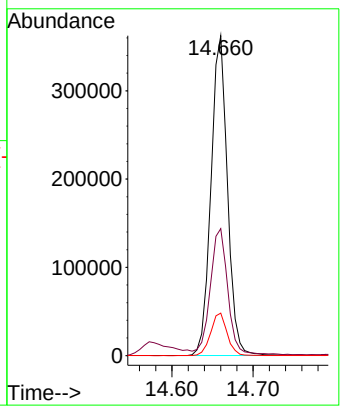




#55
Dibenzofuran
Concen: 10.045 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:168 Resp: 51143

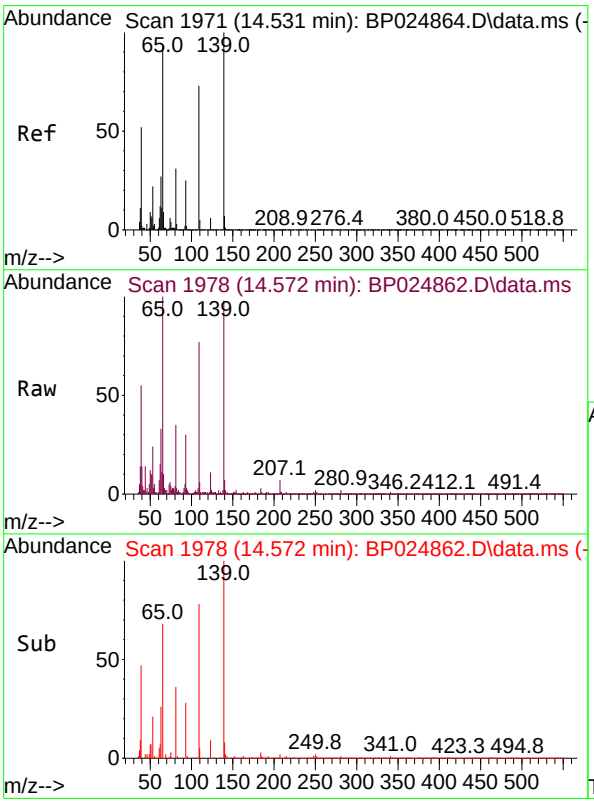
Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.6	47.4
169	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

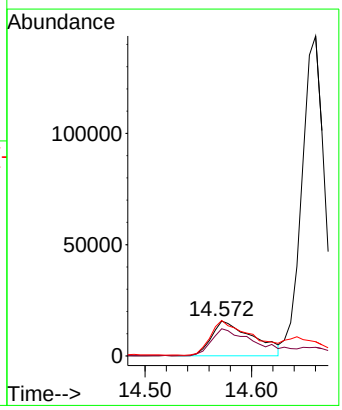
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

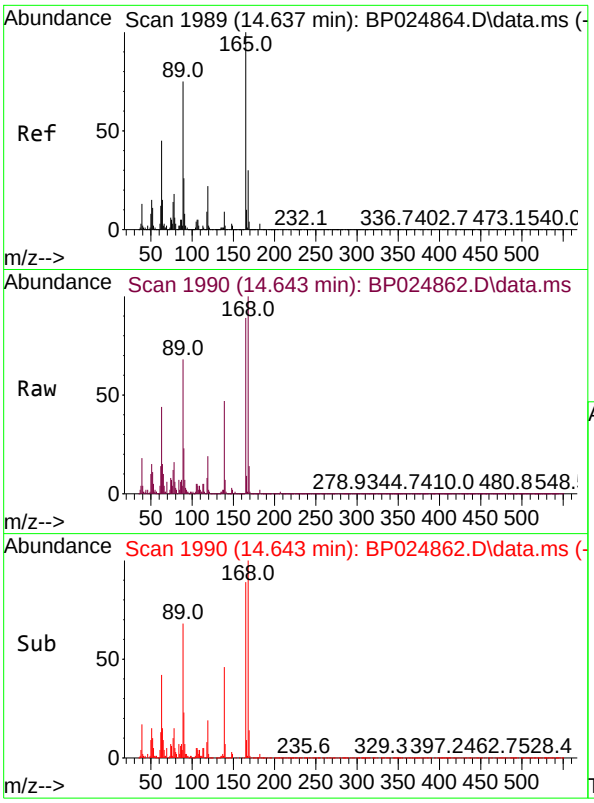


#56
4-Nitrophenol
Concen: 10.135 ng
RT: 14.572 min Scan# 1978
Delta R.T. 0.041 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:139 Resp: 42087

Ion	Ratio	Lower	Upper
139	100		
109	78.0	53.1	93.1
65	101.9	73.0	113.0

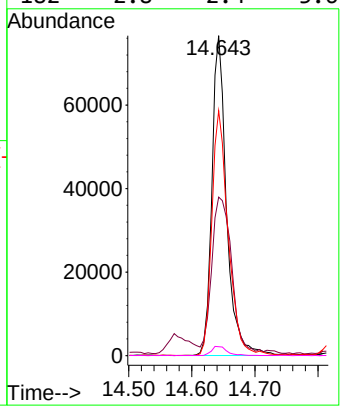




#57
2,4-Dinitrotoluene
Concen: 9.340 ng
RT: 14.643 min Scan# 19
Delta R.T. 0.005 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:165 Resp: 12349

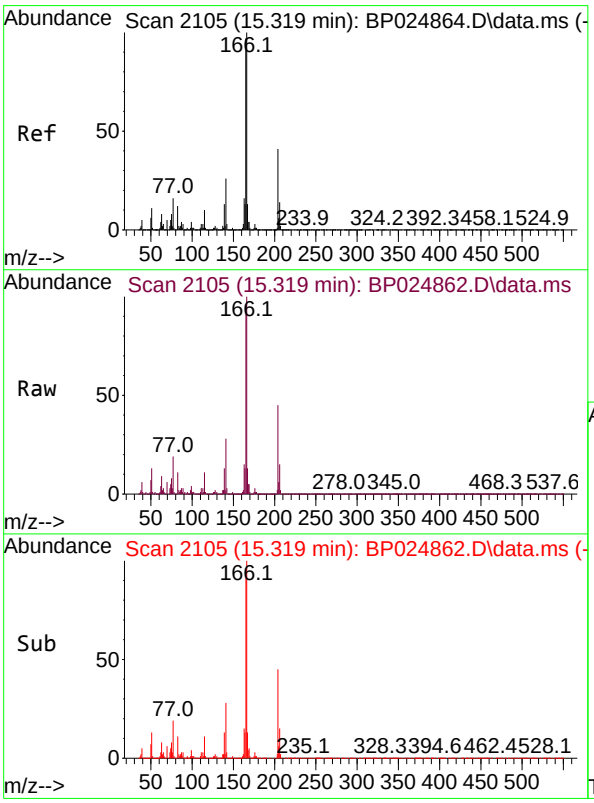
Ion	Ratio	Lower	Upper
165	100		
63	49.5	37.0	55.6
89	76.5	60.1	90.1
182	2.8	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

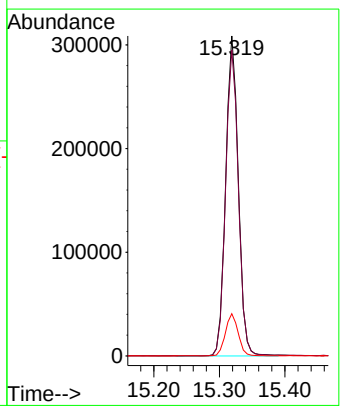
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

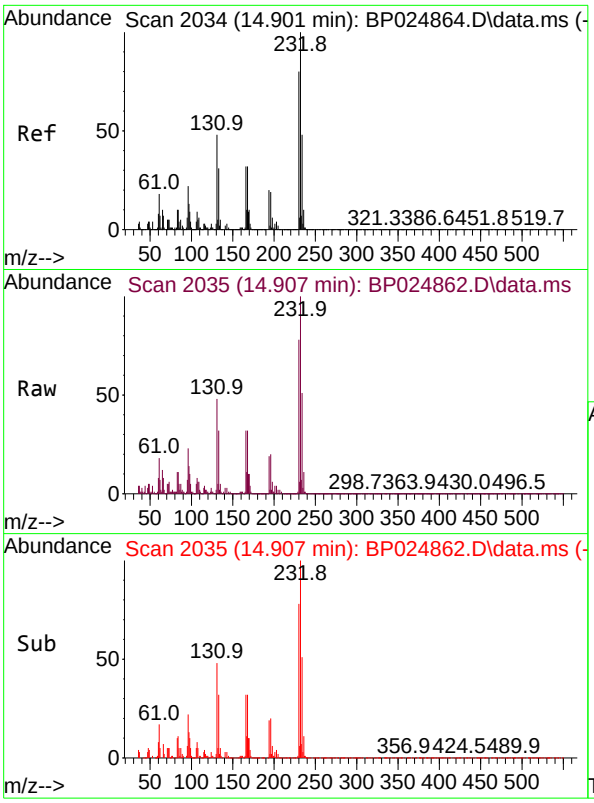


#58
Fluorene
Concen: 10.071 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:166 Resp: 414235

Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.7	116.5
167	13.2	10.6	16.0

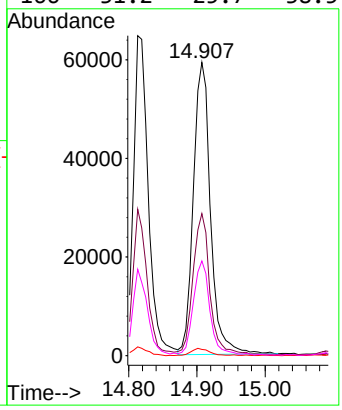




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.573 ng
RT: 14.907 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:232 Resp: 10393

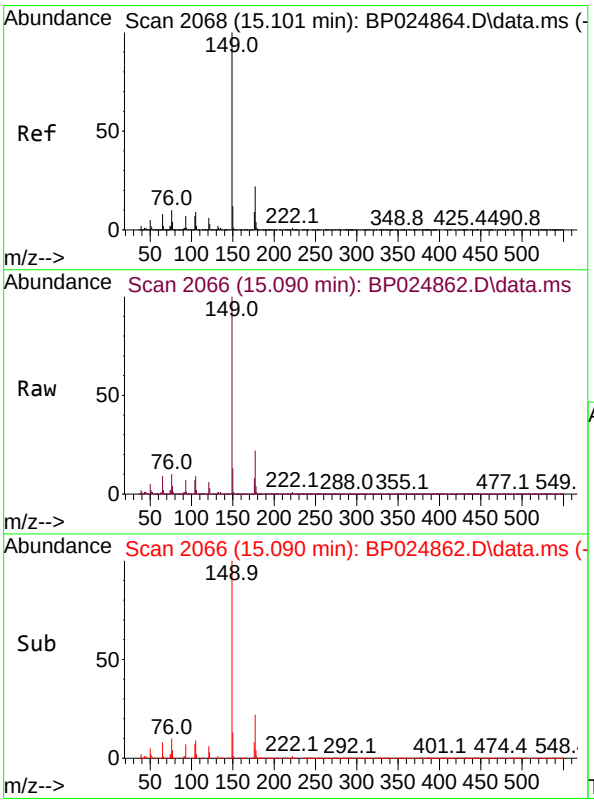
Ion	Ratio	Lower	Upper
232	100		
131	47.2	38.2	57.2
130	2.5	2.1	3.1
166	31.2	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

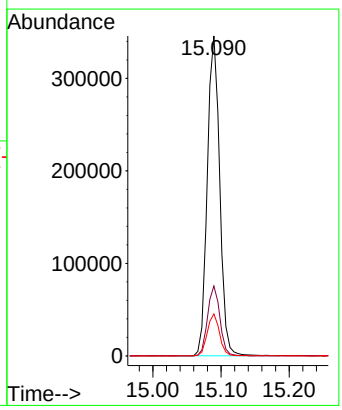
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

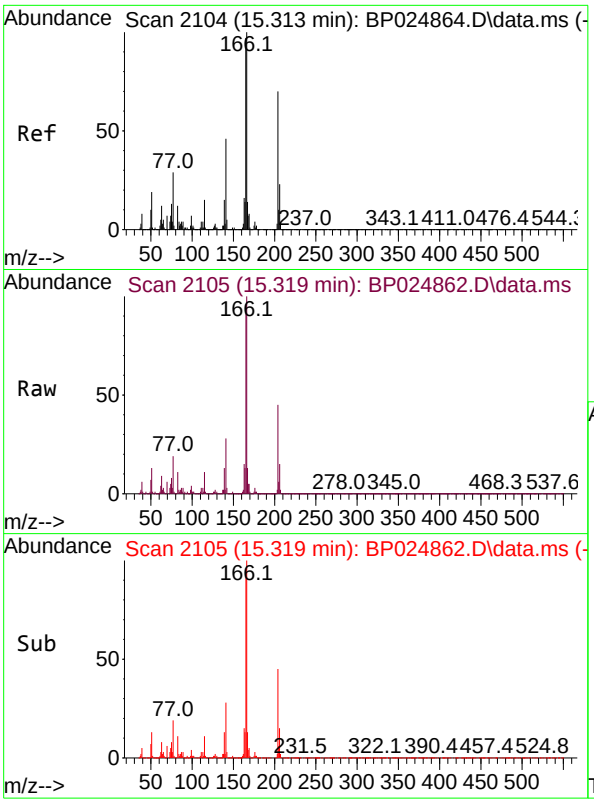


#60
Diethylphthalate
Concen: 10.022 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 437955

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.9	26.9
150	13.1	9.8	14.6

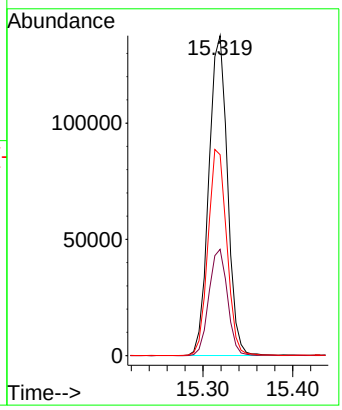




#61
4-Chlorophenyl-phenylether
Concen: 9.878 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:204 Resp: 19864

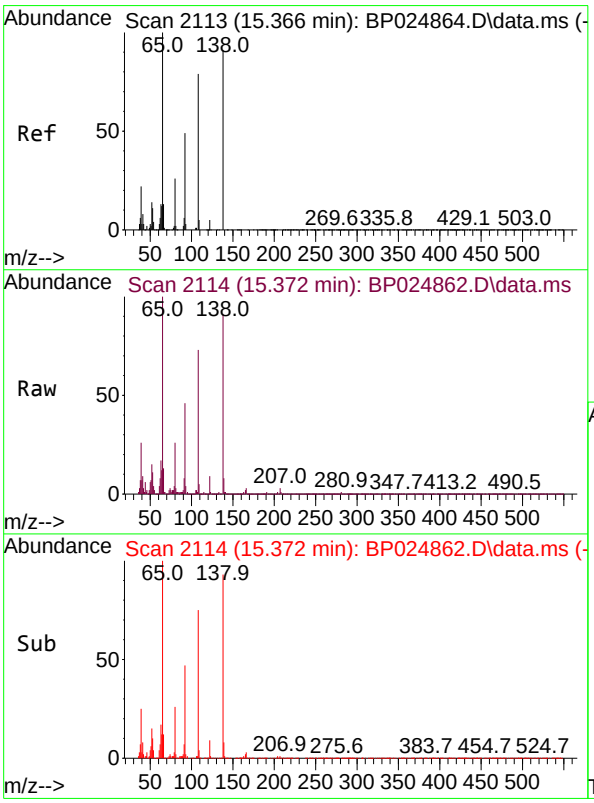
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	40.0
141	62.8	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

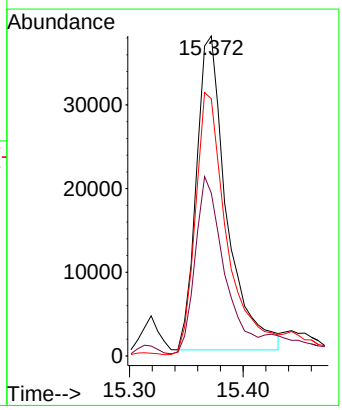
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

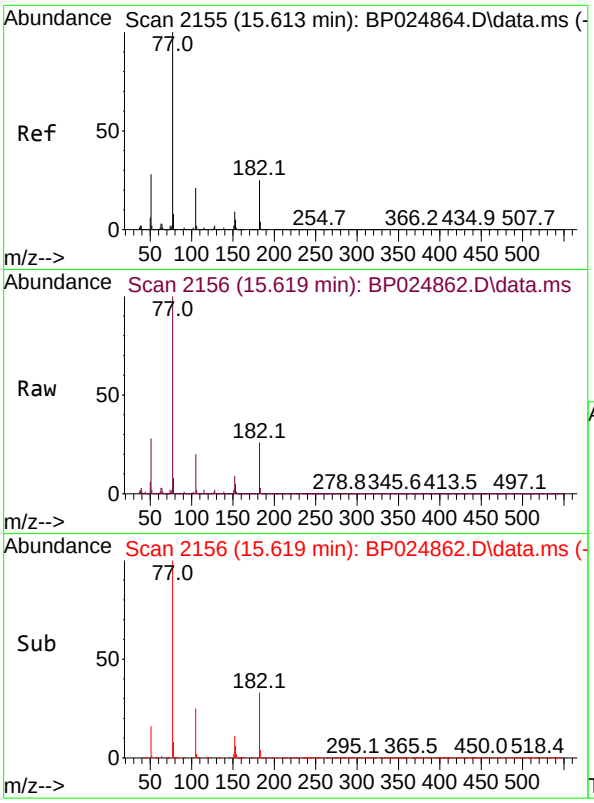


#62
4-Nitroaniline
Concen: 7.841 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:138 Resp: 69780

Ion	Ratio	Lower	Upper
138	100		
92	50.8	33.5	73.5
108	80.3	65.1	105.1

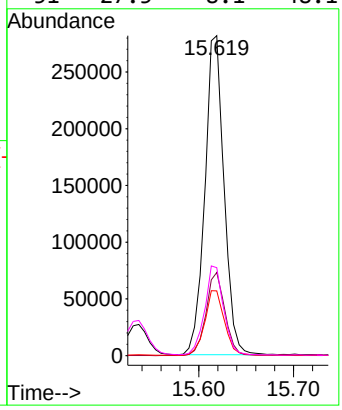




#63
Azobenzene
Concen: 9.890 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 39635

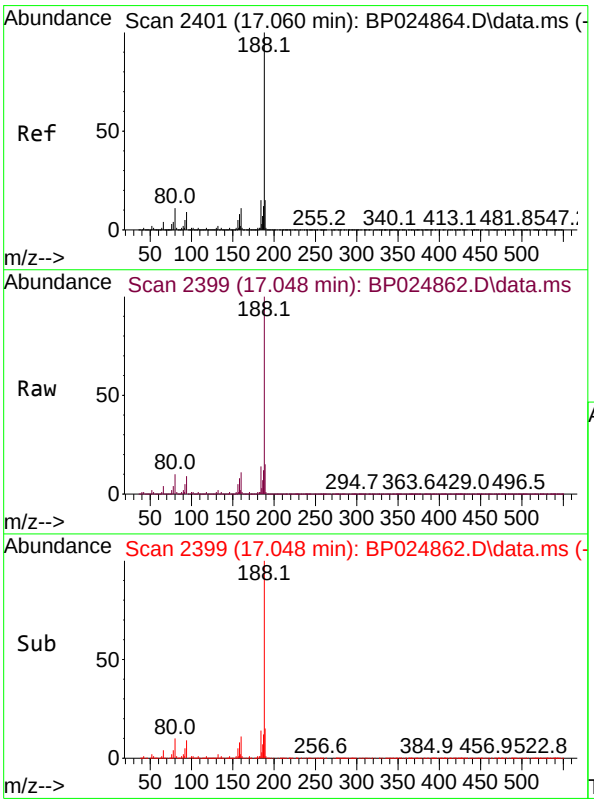
Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.4	45.4
105	20.2	0.8	40.8
51	27.5	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

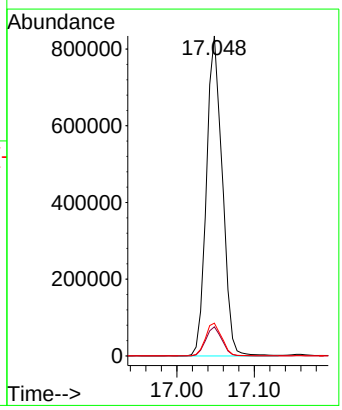
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

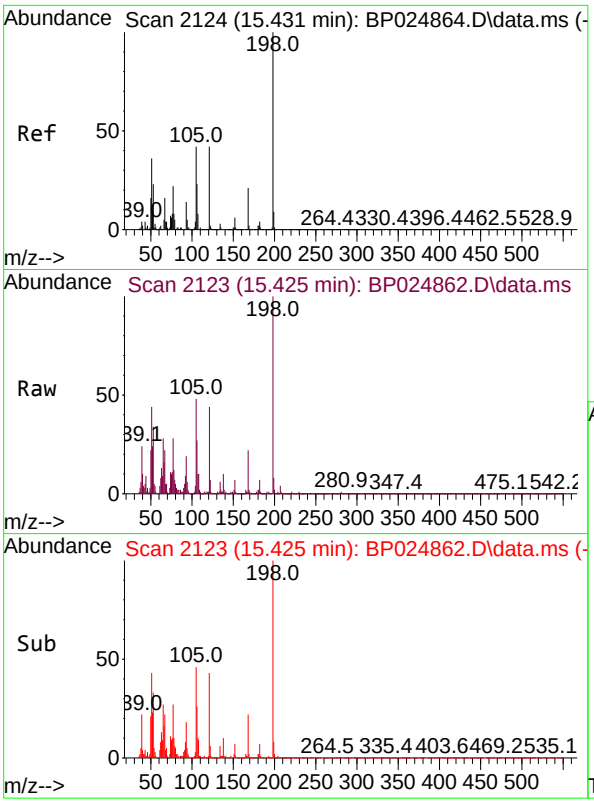


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:188 Resp: 1185891

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.2	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 7.732 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

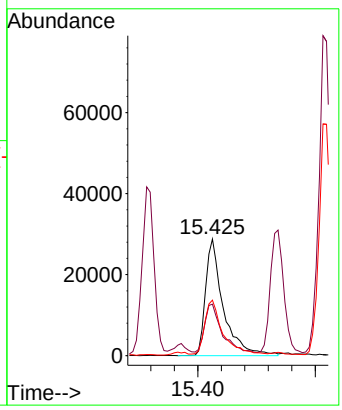
Tgt Ion:198 Resp: 6025

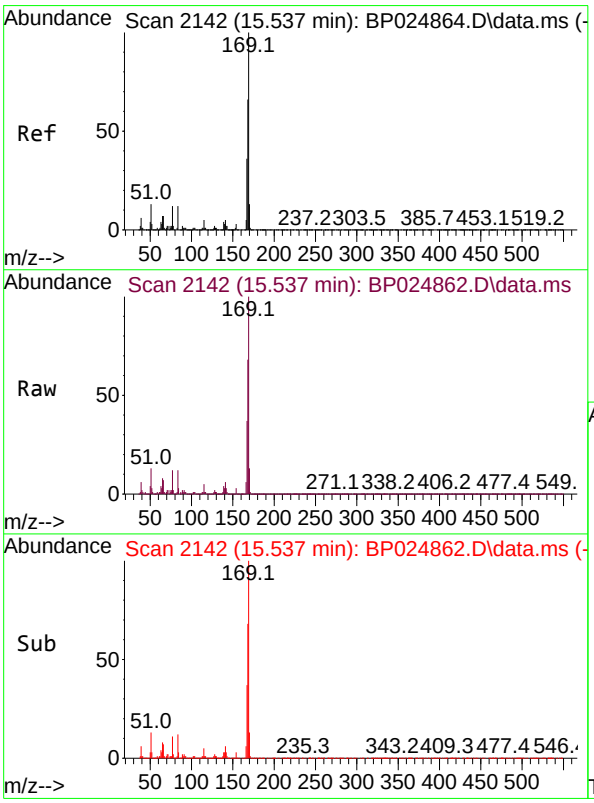
Ion	Ratio	Lower	Upper
198	100		
51	44.1	19.2	59.2
105	47.5	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

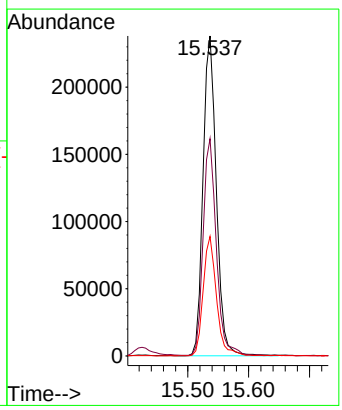


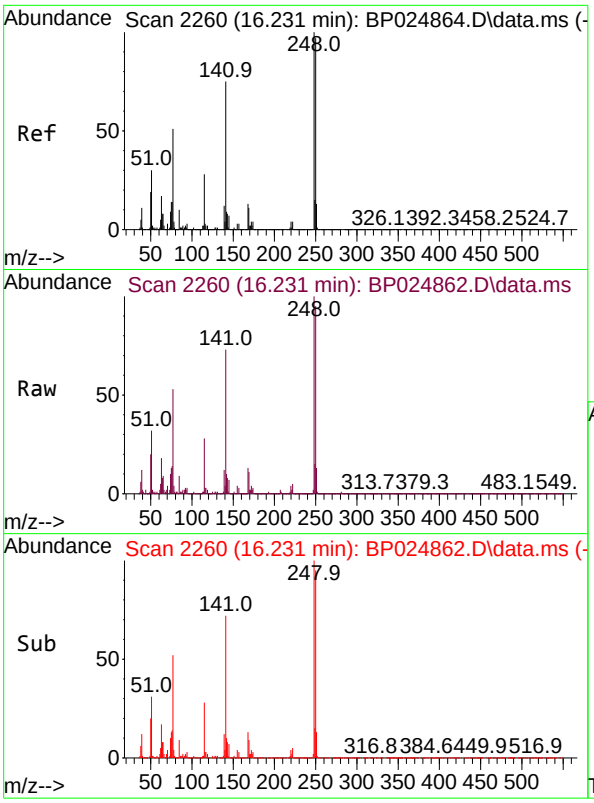


#66
n-Nitrosodiphenylamine
Concen: 9.812 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:169 Resp: 360674

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.0	79.6
167	37.3	28.6	43.0

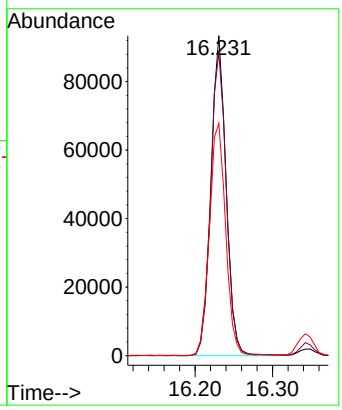




#67
4-Bromophenyl-phenylether
Concen: 9.530 ng
RT: 16.231 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:248 Resp: 12751

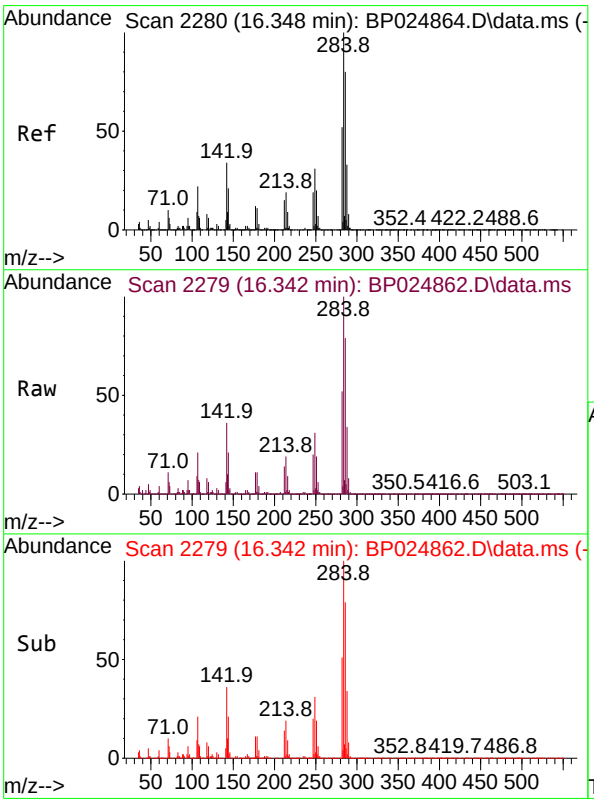
Ion	Ratio	Lower	Upper
248	100		
250	94.7	77.4	116.2
141	72.5	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

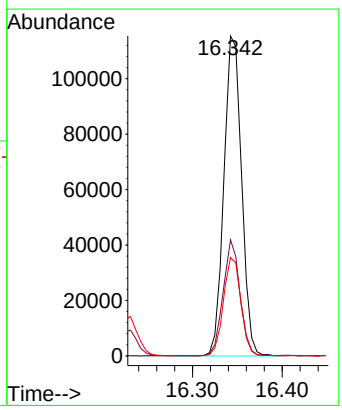
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

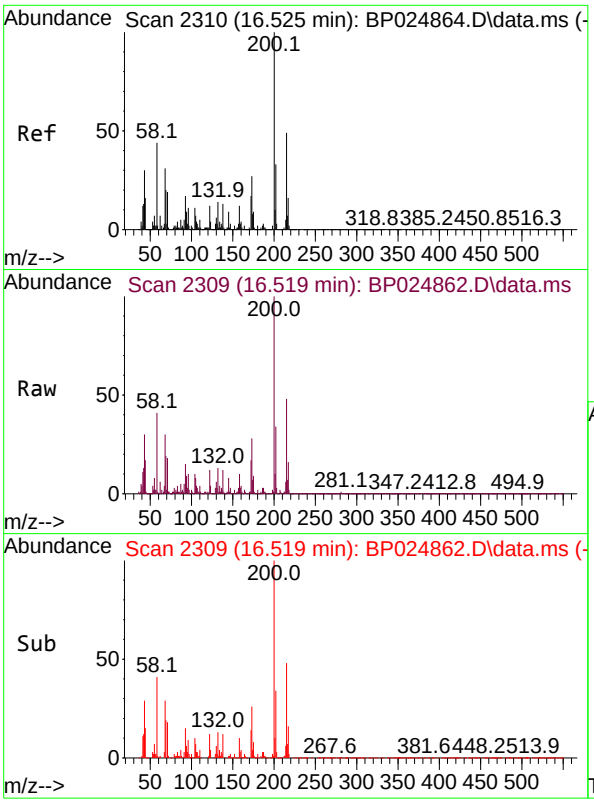


#68
Hexachlorobenzene
Concen: 9.794 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:284 Resp: 158870

Ion	Ratio	Lower	Upper
284	100		
142	36.3	27.0	40.6
249	30.7	25.0	37.6

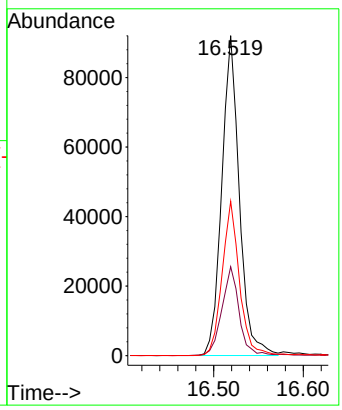




#69
Atrazine
Concen: 9.439 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:200 Resp: 12577

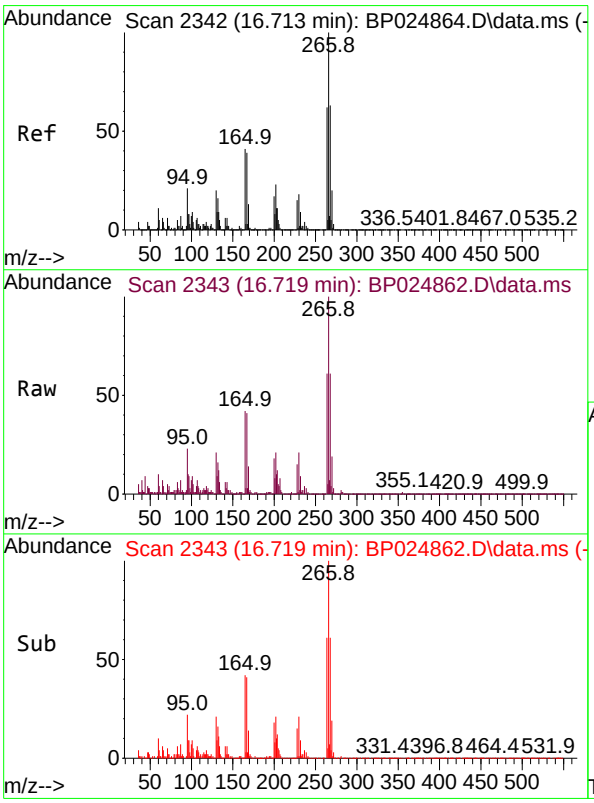
Ion	Ratio	Lower	Upper
200	100		
173	27.8	6.9	46.9
215	48.2	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

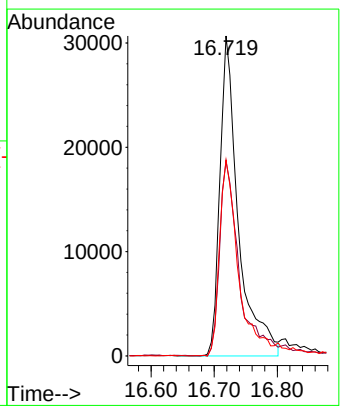
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

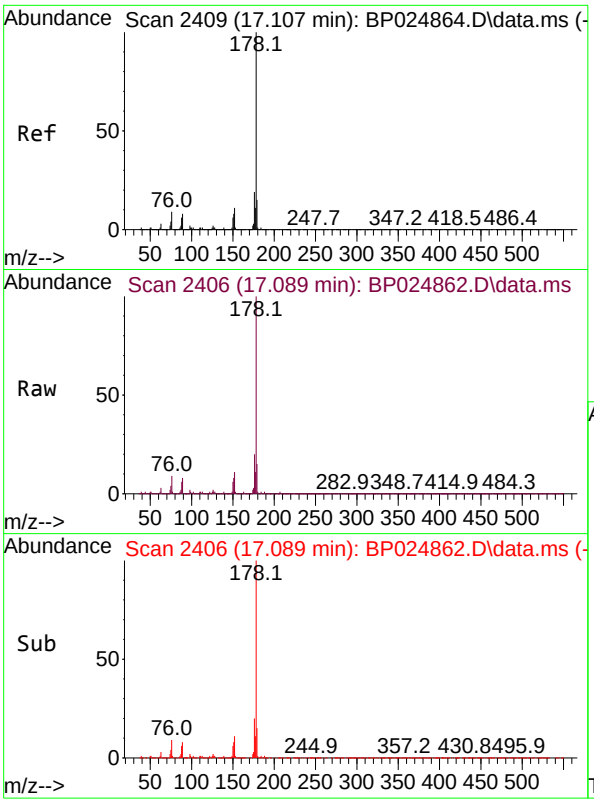


#70
Pentachlorophenol
Concen: 7.434 ng
RT: 16.719 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:266 Resp: 62407

Ion	Ratio	Lower	Upper
266	100		
268	60.8	50.6	76.0
264	61.3	49.7	74.5

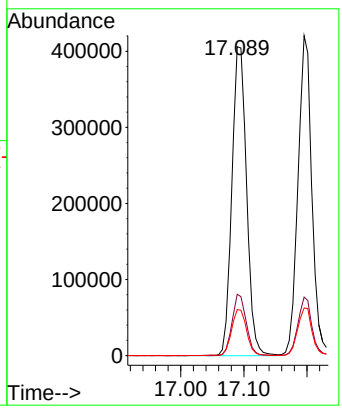




#71
Phenanthrene
Concen: 10.025 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:178 Resp: 65700

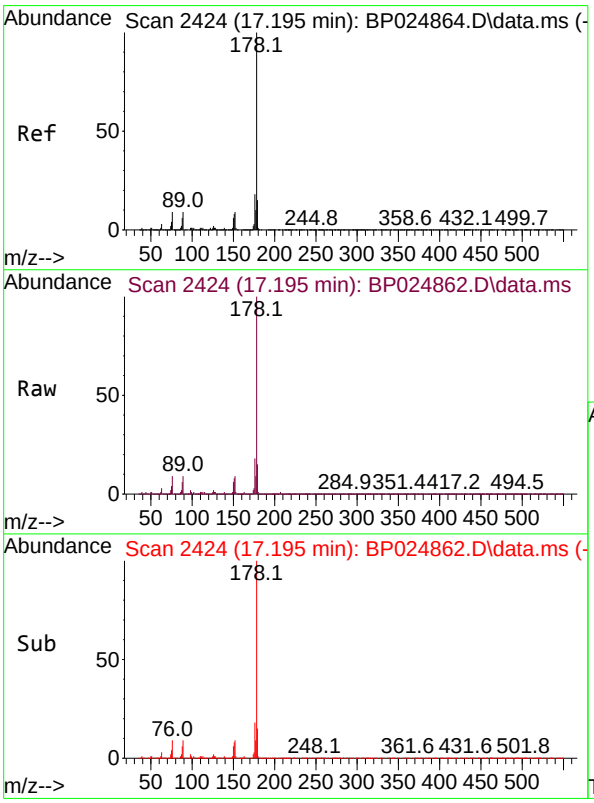
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	14.9	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

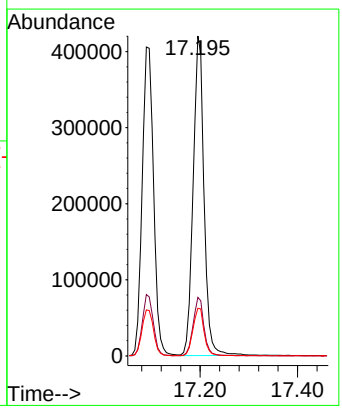
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

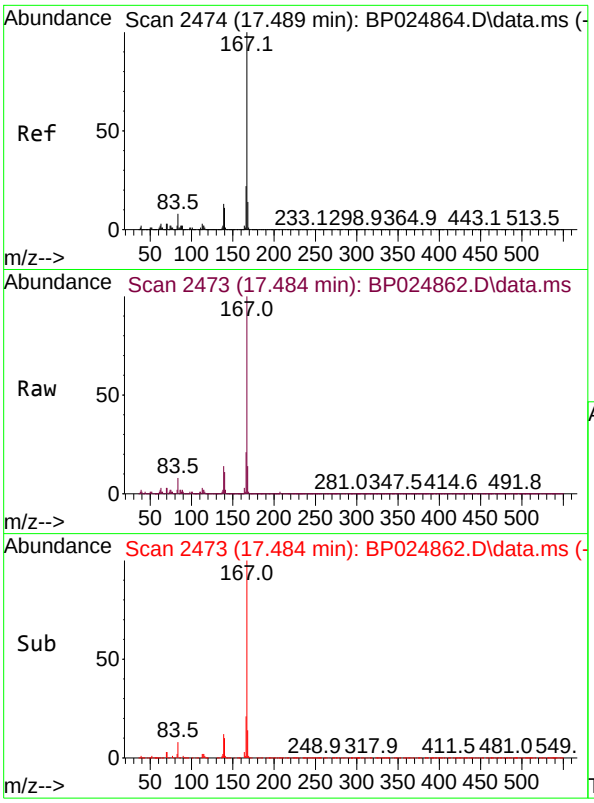


#72
Anthracene
Concen: 9.767 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:178 Resp: 648264

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	14.9	12.3	18.5

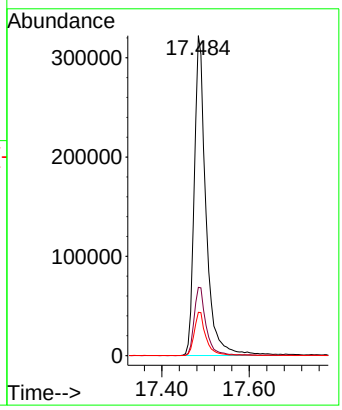




#73
Carbazole
Concen: 9.761 ng
RT: 17.484 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:167 Resp: 60047

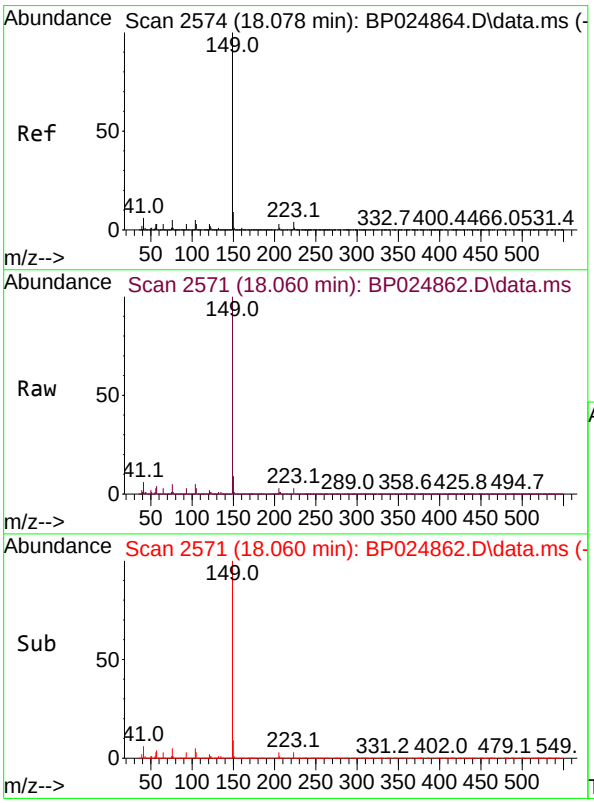
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	13.6	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

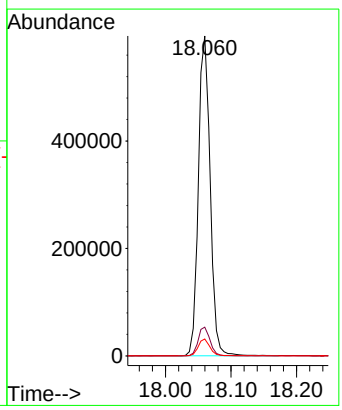
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

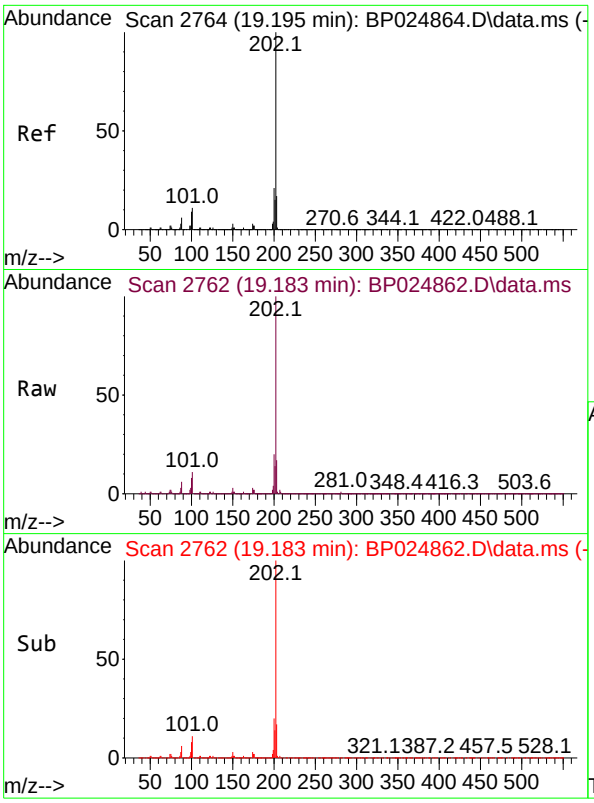


#74
Di-n-butylphthalate
Concen: 9.688 ng
RT: 18.060 min Scan# 2571
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 738469

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.3	4.2	6.2

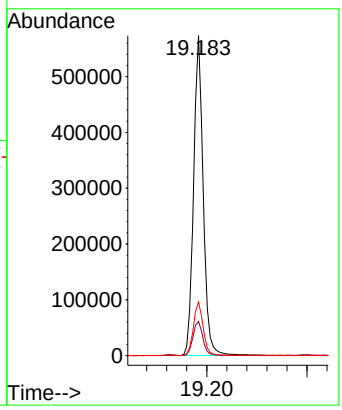




#75
Fluoranthene
Concen: 10.047 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:202 Resp: 763158

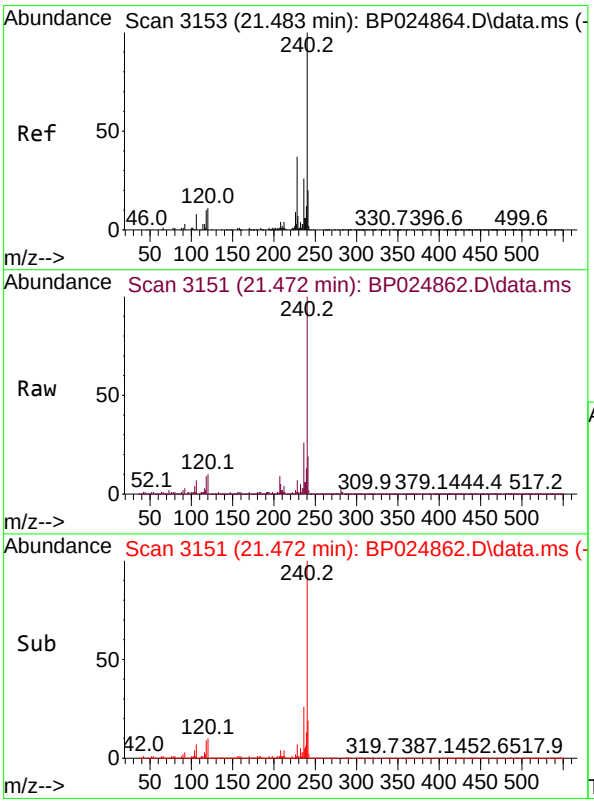
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	16.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

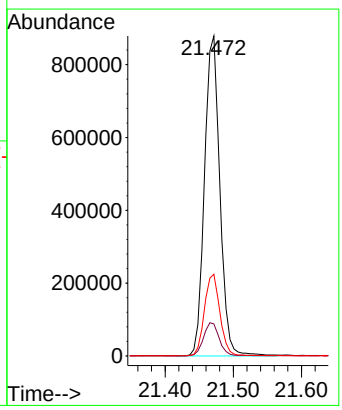
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

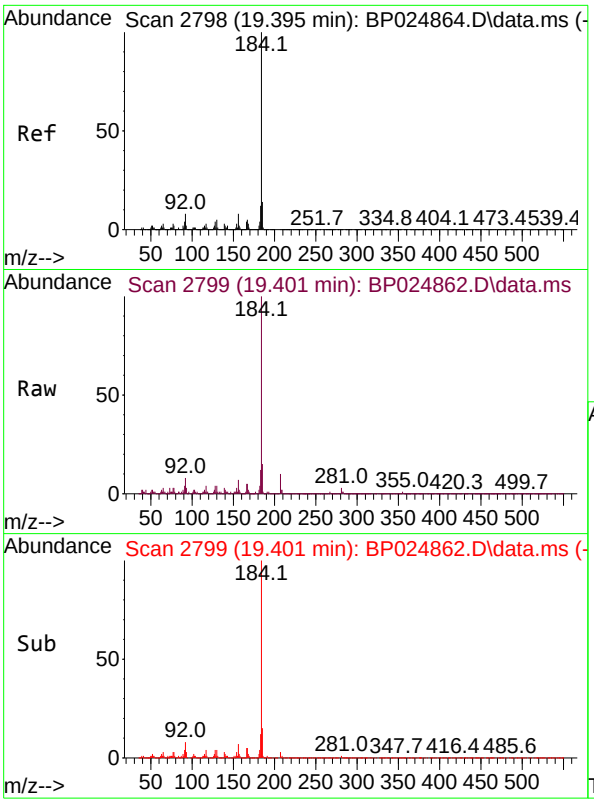


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:240 Resp: 1377321

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.5	20.9	31.3

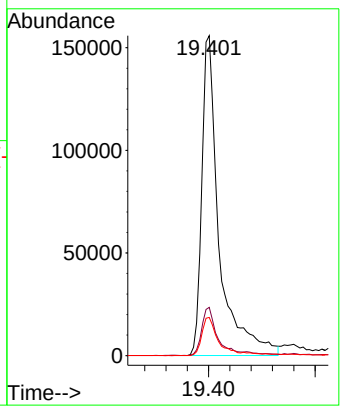




#77
Benzidine
Concen: 8.271 ng
RT: 19.401 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:184 Resp: 35283

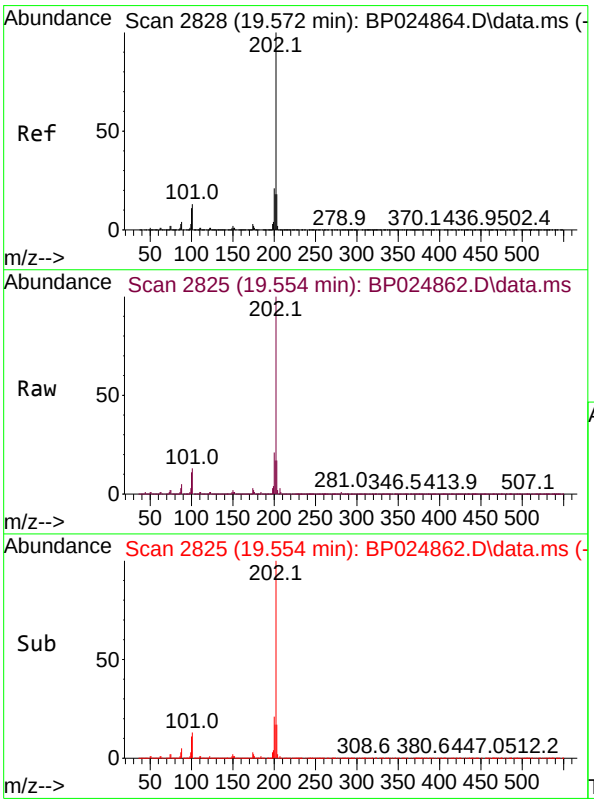
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.4	17.0
183	12.0	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

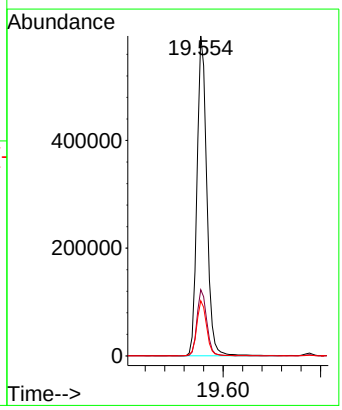
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

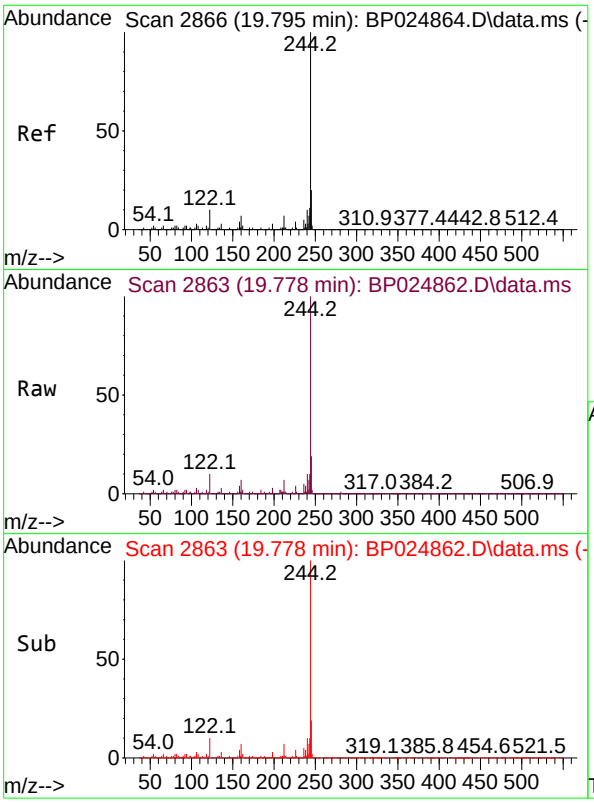


#78
Pyrene
Concen: 9.565 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:202 Resp: 823026

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.1	25.7
203	17.2	14.0	21.0

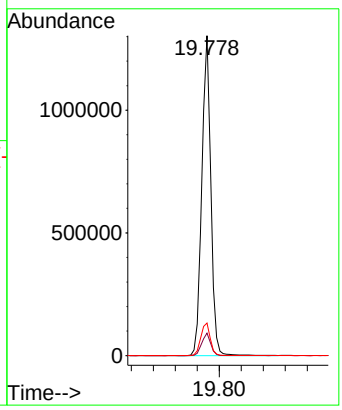




#79
Terphenyl-d14
Concen: 19.238 ng
RT: 19.778 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:244 Resp: 147839

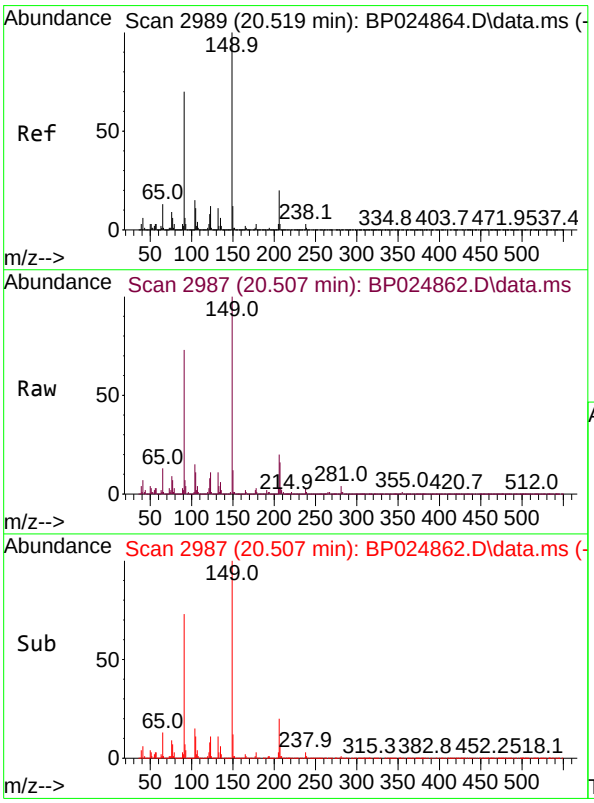
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.2	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

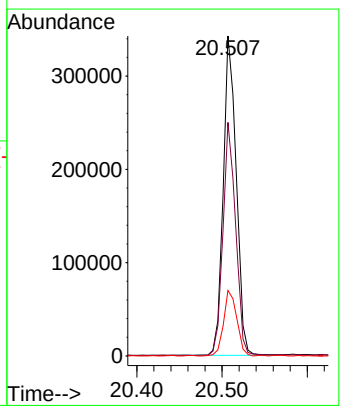
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

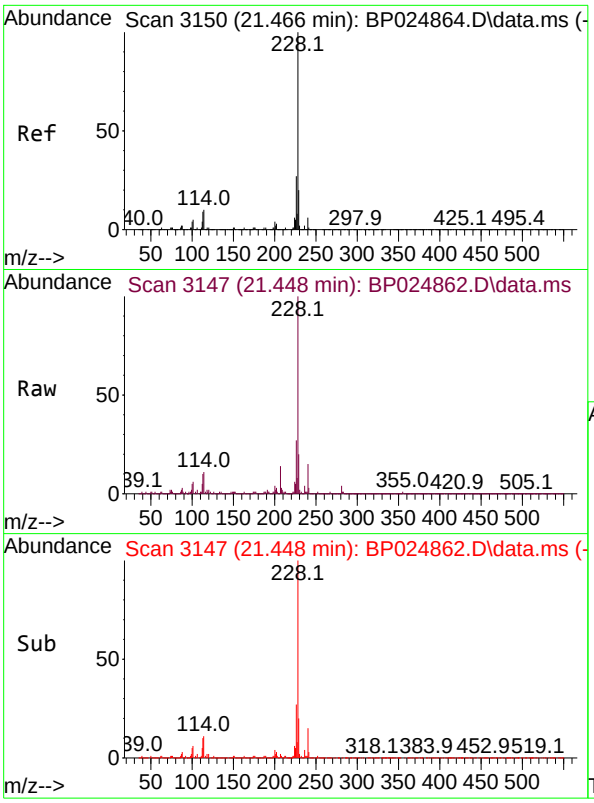


#80
Butylbenzylphthalate
Concen: 9.243 ng
RT: 20.507 min Scan# 2987
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 364314

Ion	Ratio	Lower	Upper
149	100		
91	73.0	55.8	83.8
206	20.4	16.2	24.2

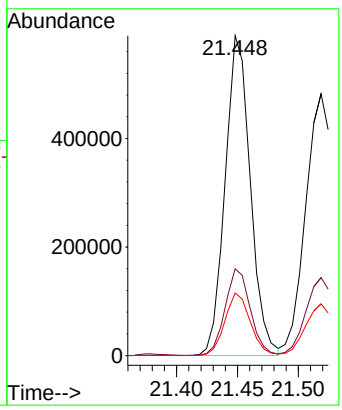




#81
Benzo(a)anthracene
Concen: 9.650 ng
RT: 21.448 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:228 Resp: 85004

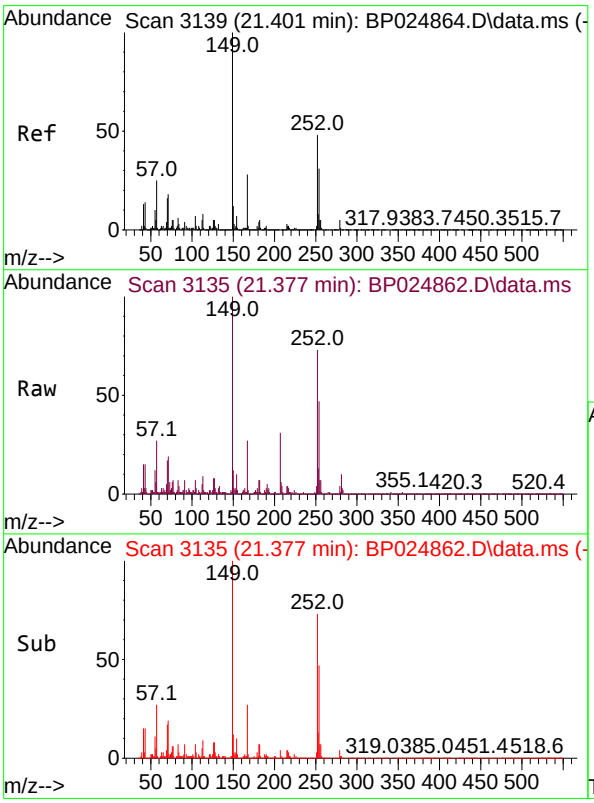
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.6	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

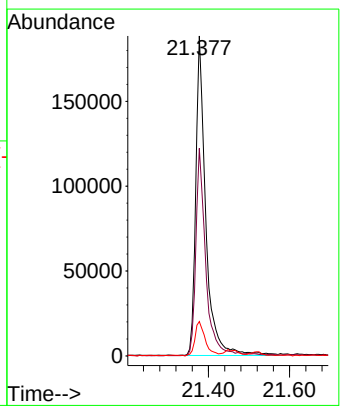
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

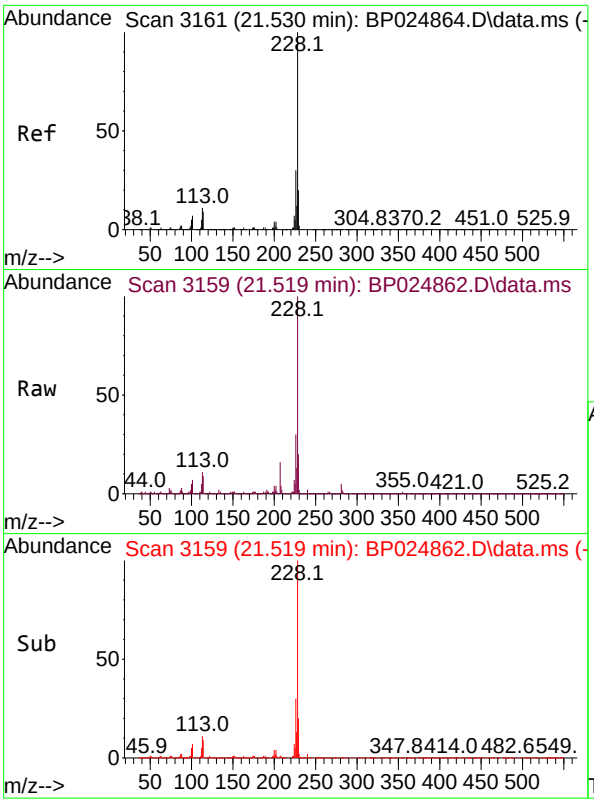


#82
3,3'-Dichlorobenzidine
Concen: 9.212 ng
RT: 21.377 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 322154

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.2	76.8
126	10.7	8.6	12.8

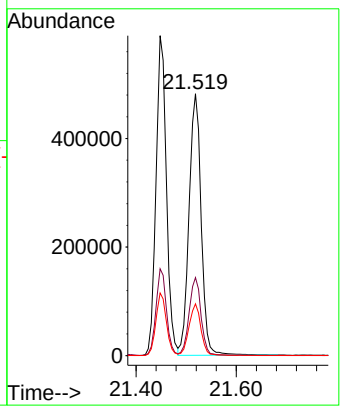




#83
Chrysene
Concen: 9.687 ng
RT: 21.519 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:228 Resp: 80858

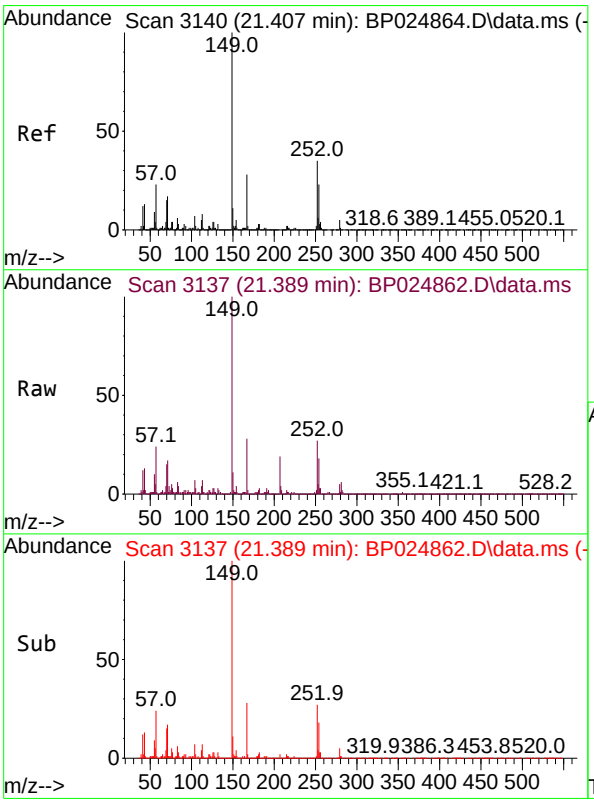
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

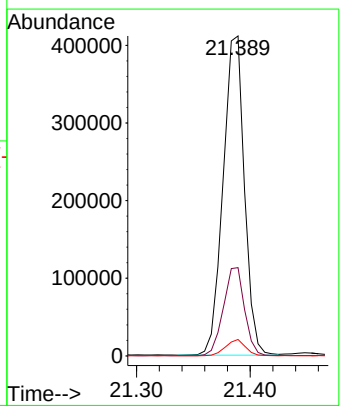
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

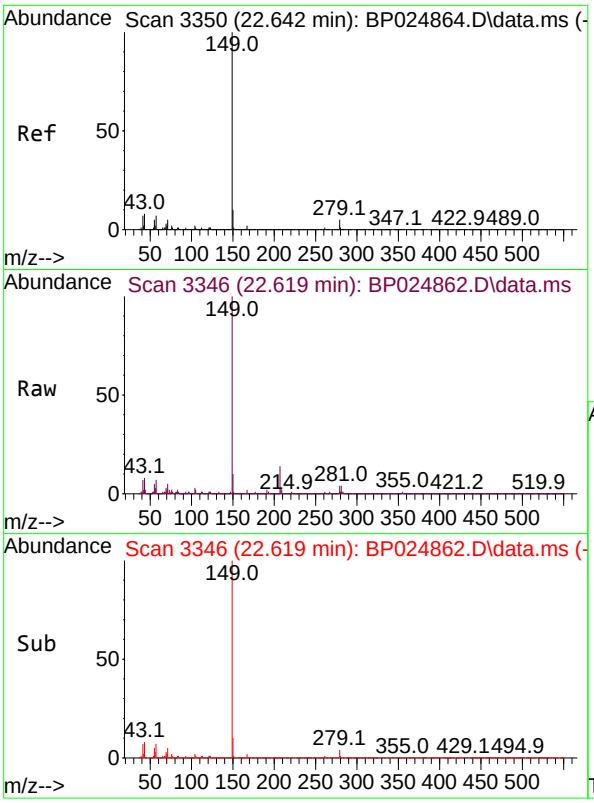


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.509 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 536981

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	5.1	4.0	6.0

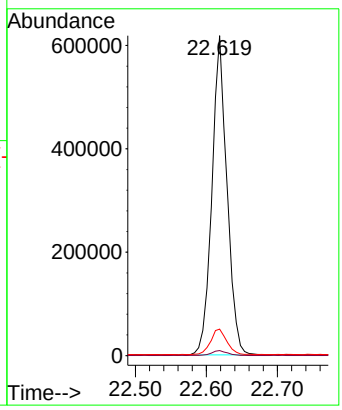




#85
Di-n-octyl phthalate
Concen: 9.134 ng
RT: 22.619 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 90917

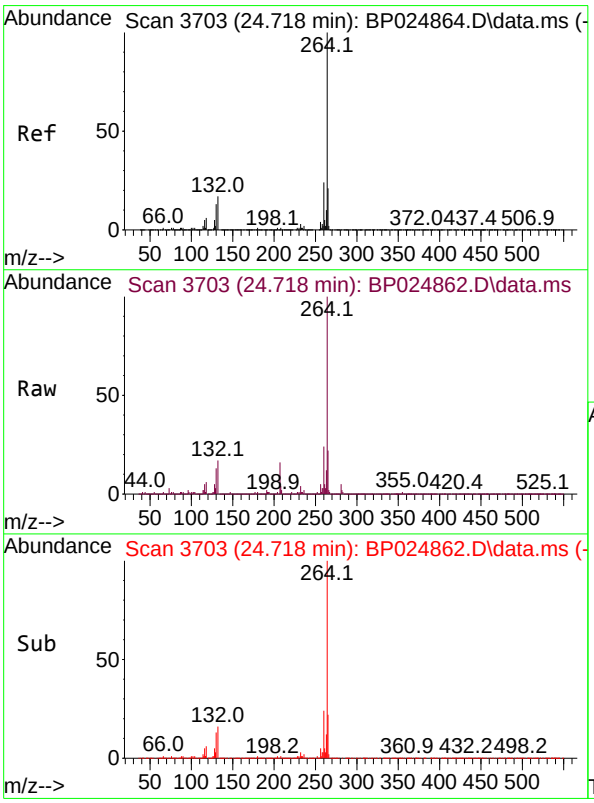
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

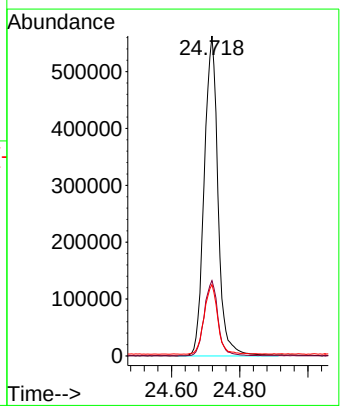
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

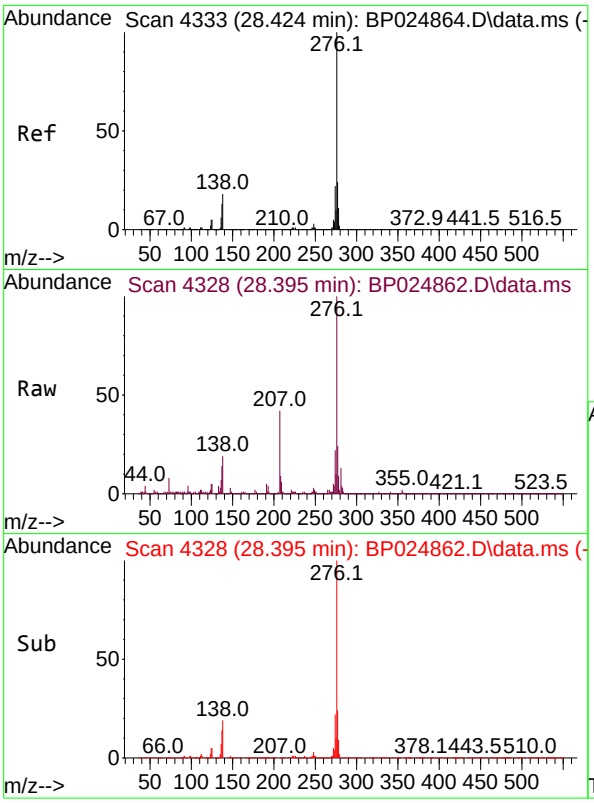


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.718 min Scan# 3703
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:264 Resp: 1582534

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.3	17.4	26.0

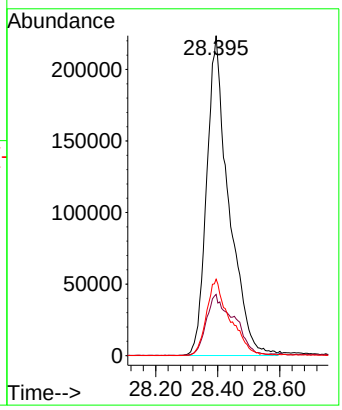




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.607 ng
RT: 28.395 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:276 Resp: 110929

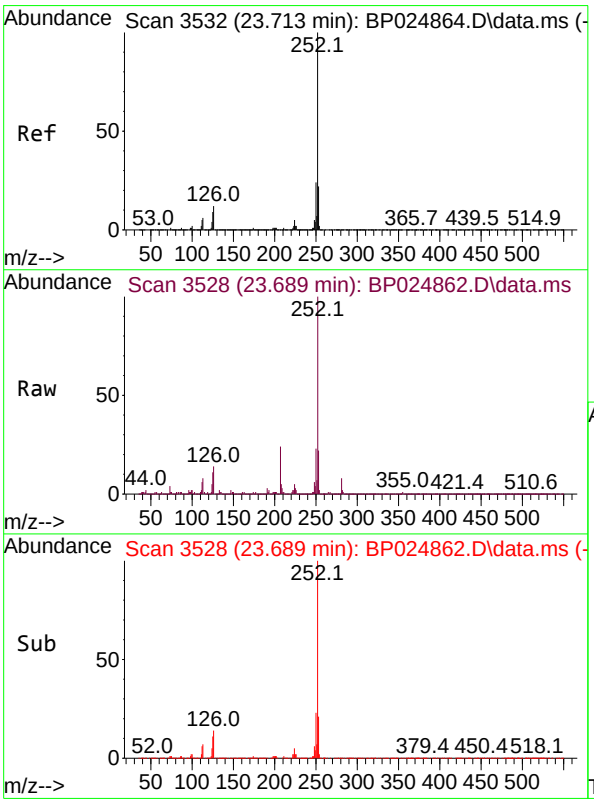
Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.6	27.8
277	25.1	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

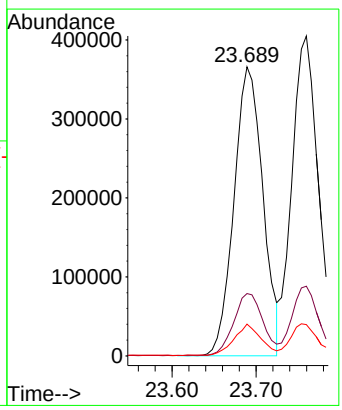
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

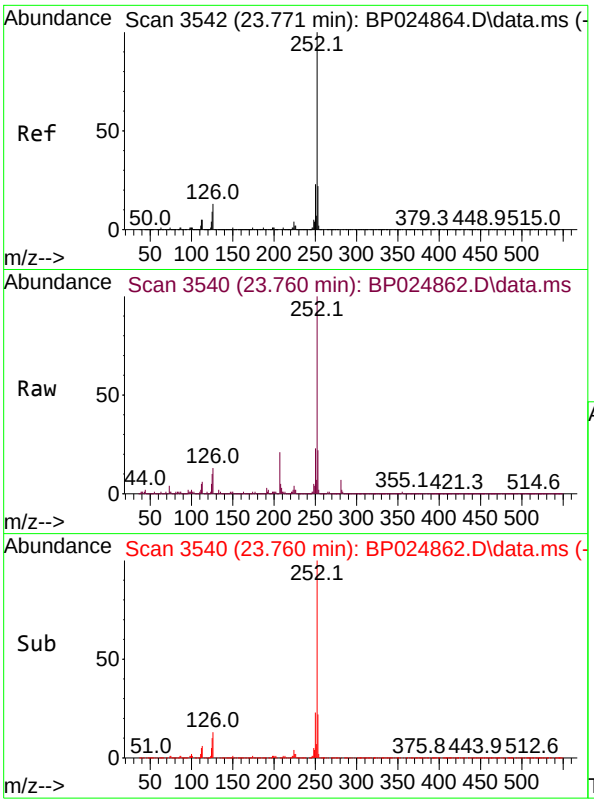


#88
Benzo(b)fluoranthene
Concen: 9.645 ng m
RT: 23.689 min Scan# 3528
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 873515

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.0	7.1	10.7#

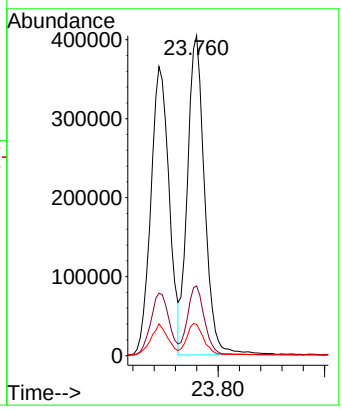




#89
Benzo(k)fluoranthene
Concen: 9.819 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 90526

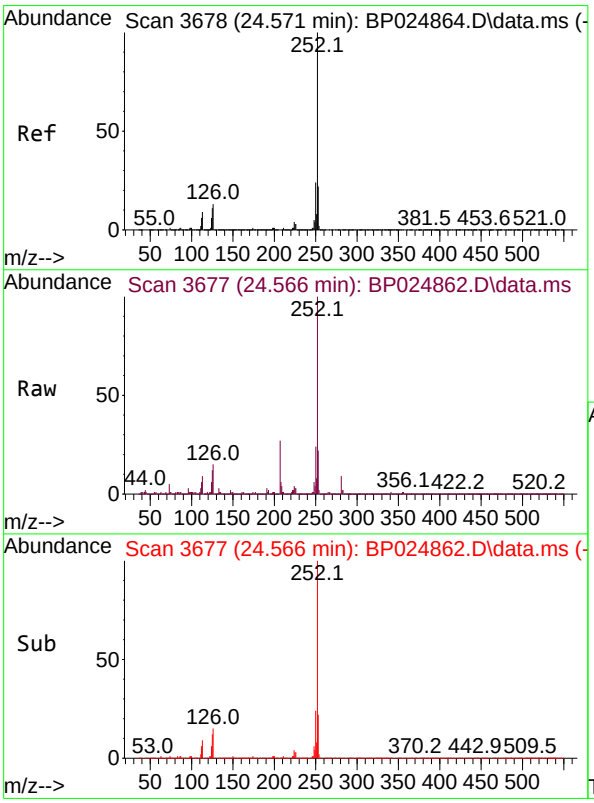
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.8	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

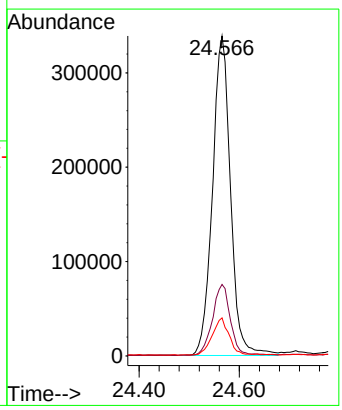
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

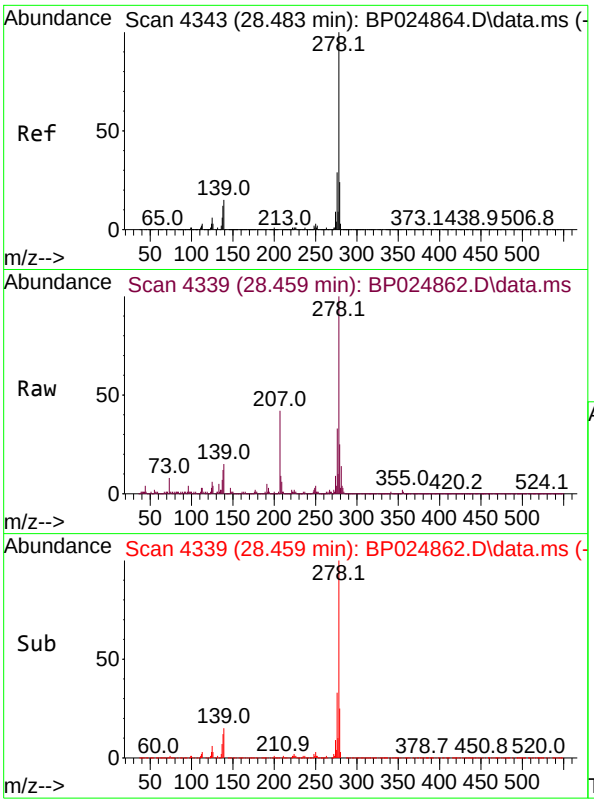


#90
Benzo(a)pyrene
Concen: 9.562 ng
RT: 24.566 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 845698

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.9	8.8	13.2

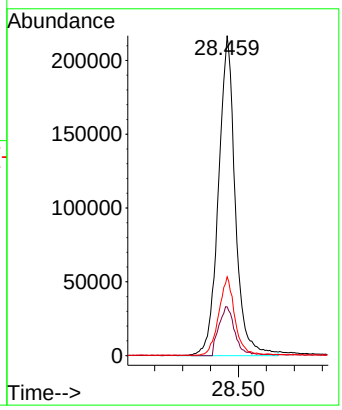




#91
Dibenzo(a,h)anthracene
Concen: 9.624 ng
RT: 28.459 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:278 Resp: 90452

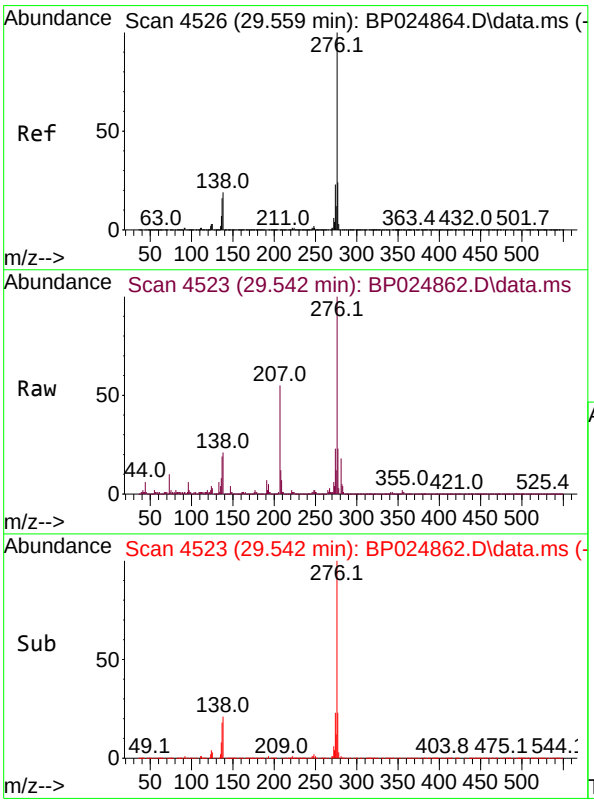
Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	24.6	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

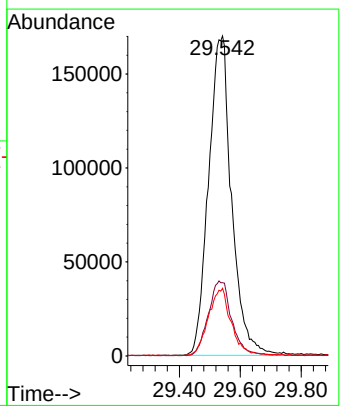
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 9.560 ng
RT: 29.542 min Scan# 4523
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:276 Resp: 891492

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	21.1	15.4	23.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	222586	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	933995	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	604798	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1187838	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1296607	20.000	ng	0.00
86) Perylene-d12	24.730	264	1539603	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	537271	40.291	ng	0.00
7) Phenol-d6	6.814	99	706853	40.063	ng	0.00
23) Nitrobenzene-d5	8.760	82	789724	41.087	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	337588	40.373	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	1834625	40.864	ng	0.00
79) Terphenyl-d14	19.783	244	2972885	41.093	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	116694	19.888	ng	99
3) Pyridine	3.572	79	281621	19.958	ng	98
4) n-Nitrosodimethylamine	3.484	42	113202	19.623	ng	99
6) Aniline	6.955	93	448798	19.932	ng	98
8) 2-Chlorophenol	7.190	128	299518	19.813	ng	99
9) Benzaldehyde	6.772	77	238300m	23.366	ng	
10) Phenol	6.843	94	359664	19.774	ng	98
11) bis(2-Chloroethyl)ether	7.049	93	296876	20.752	ng	99
12) 1,3-Dichlorobenzene	7.502	146	342054	20.283	ng	99
13) 1,4-Dichlorobenzene	7.643	146	341710	20.082	ng	99
14) 1,2-Dichlorobenzene	7.960	146	331251	19.825	ng	99
15) Benzyl Alcohol	7.866	79	263723	19.476	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.125	45	383219	20.467	ng	98
17) 2-Methylphenol	8.072	107	253261	19.940	ng	96
18) Hexachloroethane	8.666	117	129276	20.180	ng	96
19) n-Nitroso-di-n-propyla...	8.408	70	246328	20.537	ng	99
20) 3+4-Methylphenols	8.402	107	344513	19.881	ng	97
22) Acetophenone	8.425	105	476927	20.211	ng	98
24) Nitrobenzene	8.802	77	350404	20.521	ng	98
25) Isophorone	9.325	82	676527	20.309	ng	100
26) 2-Nitrophenol	9.513	139	166277	19.736	ng	99
27) 2,4-Dimethylphenol	9.584	122	289730	20.094	ng	99
28) bis(2-Chloroethoxy)met...	9.802	93	409390	20.603	ng	99
29) 2,4-Dichlorophenol	10.060	162	280050	20.242	ng	100
30) 1,2,4-Trichlorobenzene	10.243	180	313253	20.074	ng	99
31) Naphthalene	10.431	128	975495	20.381	ng	100
32) Benzoic acid	9.725	122	168675	17.546	ng	97
33) 4-Chloroaniline	10.554	127	406109	20.252	ng	99
34) Hexachlorobutadiene	10.707	225	194310	20.660	ng	99
35) Caprolactam	11.337	113	101727	19.975	ng	98
36) 4-Chloro-3-methylphenol	11.701	107	328233	20.569	ng	98
37) 2-Methylnaphthalene	12.043	142	615339	20.267	ng	99
38) 1-Methylnaphthalene	12.266	142	670212	20.648	ng	97
40) 1,2,4,5-Tetrachloroben...	12.419	216	343533	20.018	ng	100
41) Hexachlorocyclopentadiene	12.390	237	190407	18.191	ng	100
43) 2,4,6-Trichlorophenol	12.684	196	233556	20.265	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	250294	20.279	ng		99
46) 1,1'-Biphenyl	13.066	154	898074	20.433	ng		99
47) 2-Chloronaphthalene	13.113	162	686558	20.324	ng		100
48) 2-Nitroaniline	13.337	65	208318	20.059	ng		97
49) Acenaphthylene	13.966	152	1144019	20.311	ng		99
50) Dimethylphthalate	13.707	163	908091	20.354	ng		100
51) 2,6-Dinitrotoluene	13.831	165	197073	20.490	ng		98
52) Acenaphthene	14.313	154	658935	20.416	ng		99
53) 3-Nitroaniline	14.172	138	204033	20.442	ng		97
54) 2,4-Dinitrophenol	14.401	184	93544	19.461	ng		97
55) Dibenzofuran	14.654	168	1061912	20.497	ng		99
56) 4-Nitrophenol	14.548	139	128784	19.619	ng		98
57) 2,4-Dinitrotoluene	14.637	165	276443	20.547	ng		99
58) Fluorene	15.319	166	858671	20.517	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.901	232	217510	19.689	ng		99
60) Diethylphthalate	15.090	149	899294	20.225	ng		98
61) 4-Chlorophenyl-phenyle...	15.307	204	416662	20.361	ng		99
62) 4-Nitroaniline	15.360	138	185839	20.523	ng		98
63) Azobenzene	15.607	77	843121	20.675	ng		99
65) 4,6-Dinitro-2-methylph...	15.425	198	148616	19.041	ng		100
66) n-Nitrosodiphenylamine	15.531	169	751407	20.409	ng		99
67) 4-Bromophenyl-phenylether	16.225	248	268797	20.055	ng		99
68) Hexachlorobenzene	16.342	284	323008	19.880	ng		99
69) Atrazine	16.513	200	274257	20.548	ng		99
70) Pentachlorophenol	16.713	266	155614	18.505	ng		98
71) Phenanthrene	17.095	178	1318071	20.080	ng		100
72) Anthracene	17.184	178	1350106	20.308	ng		100
73) Carbazole	17.478	167	1256103	20.385	ng		100
74) Di-n-butylphthalate	18.066	149	1575537	20.637	ng		99
75) Fluoranthene	19.183	202	1552399	20.404	ng		100
77) Benzidine	19.395	184	867418	21.600	ng		99
78) Pyrene	19.560	202	1634896	20.183	ng		99
80) Butylbenzylphthalate	20.513	149	753875	20.318	ng		99
81) Benzo(a)anthracene	21.466	228	1669395	20.131	ng		99
82) 3,3'-Dichlorobenzidine	21.395	252	664556	20.185	ng		100
83) Chrysene	21.530	228	1593419	20.278	ng		100
84) Bis(2-ethylhexyl)phtha...	21.401	149	1097129	20.638	ng		99
85) Di-n-octyl phthalate	22.630	149	1865014	19.903	ng		99
87) Indeno(1,2,3-cd)pyrene	28.401	276	2261110	20.129	ng	#	92
88) Benzo(b)fluoranthene	23.695	252	1743865	19.792	ng		98
89) Benzo(k)fluoranthene	23.760	252	1817500	20.264	ng		99
90) Benzo(a)pyrene	24.566	252	1735236	20.166	ng		99
91) Dibenzo(a,h)anthracene	28.459	278	1850432	20.237	ng		99
92) Benzo(g,h,i)perylene	29.530	276	1820845	20.071	ng		97

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

ICAL Form

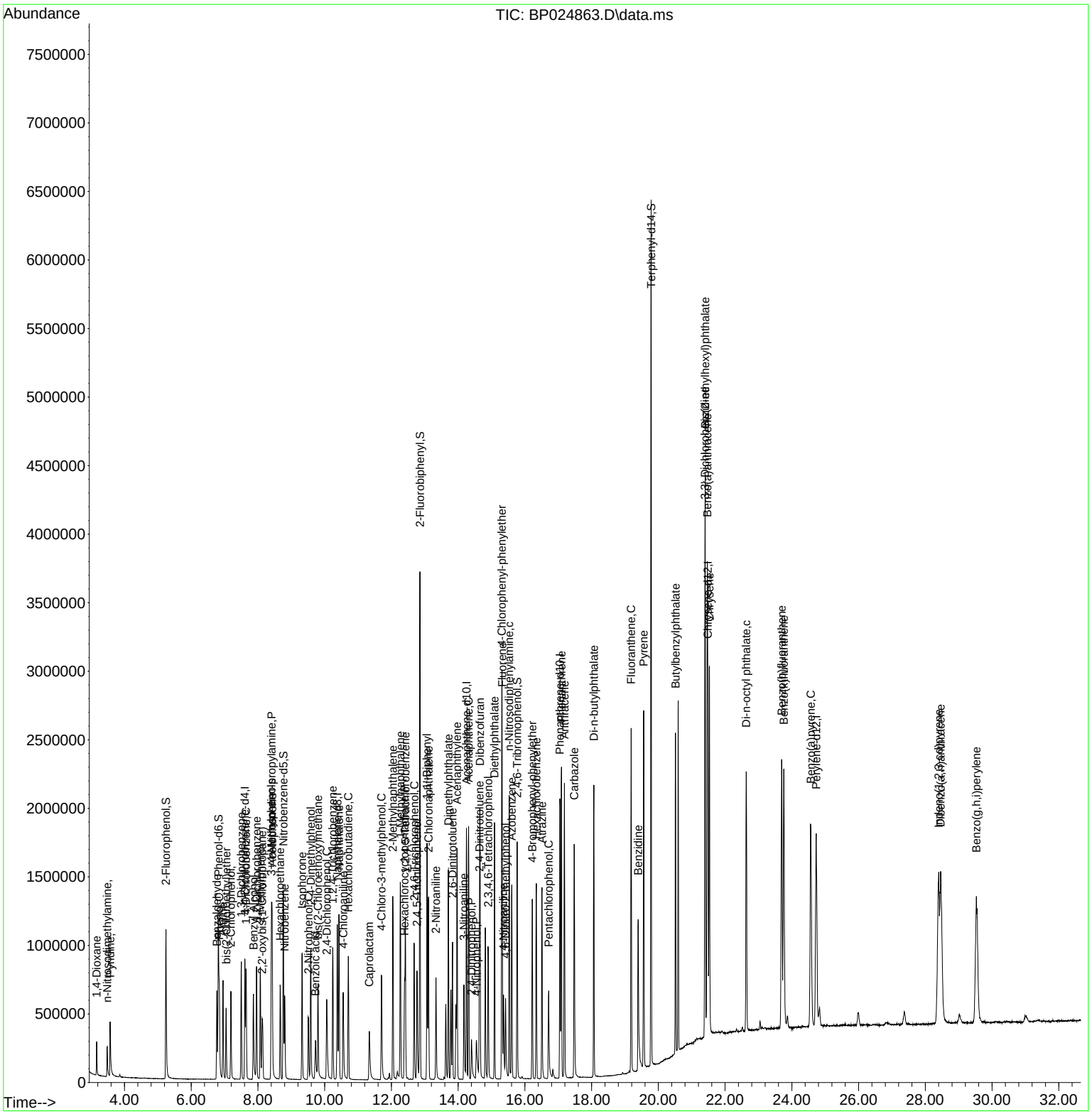
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

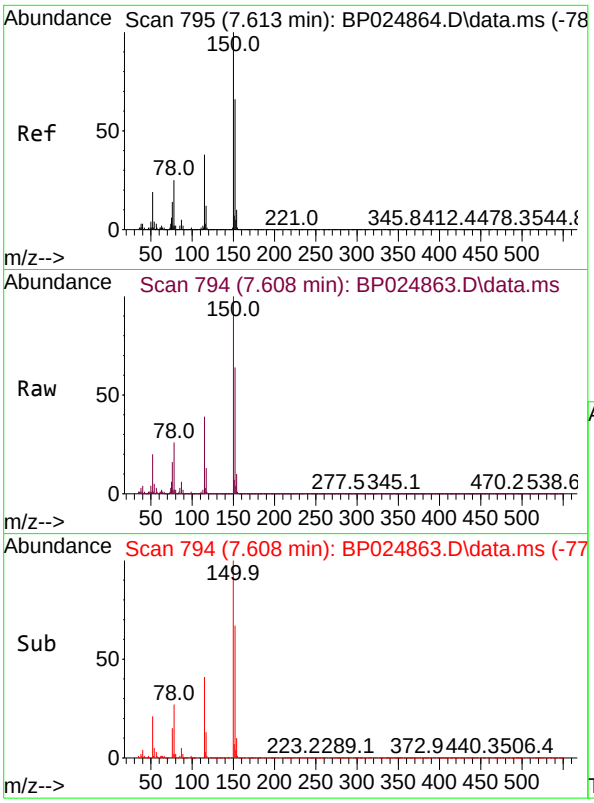
Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

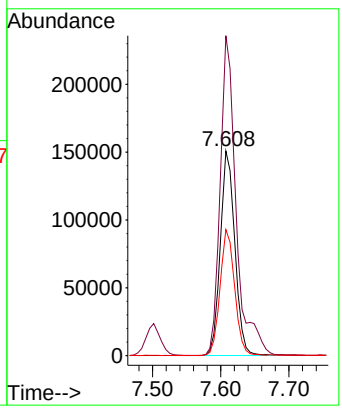




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:152 Resp: 22258

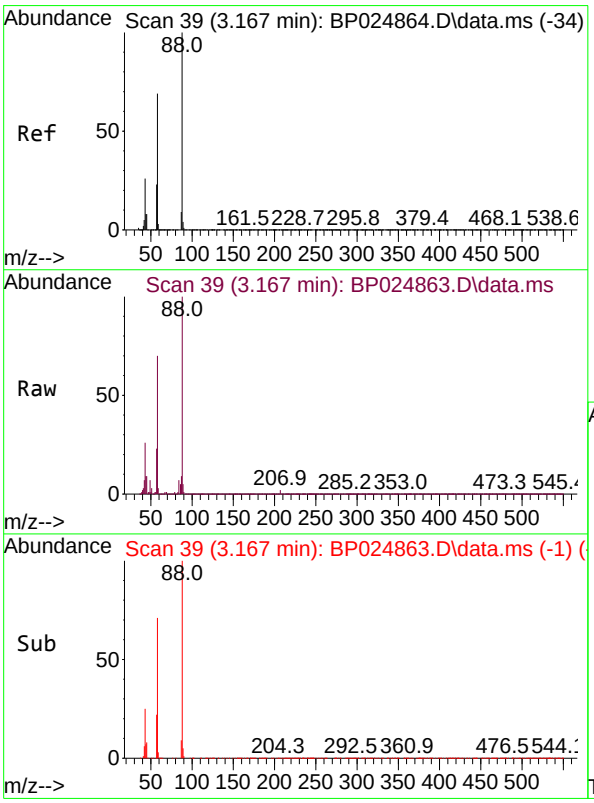
Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.1	183.1
115	61.6	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

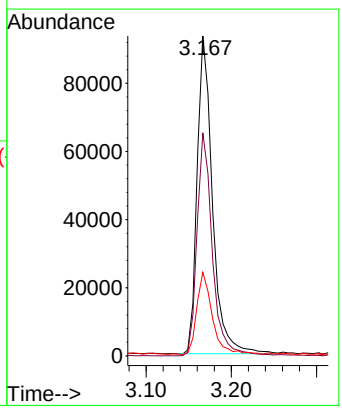
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

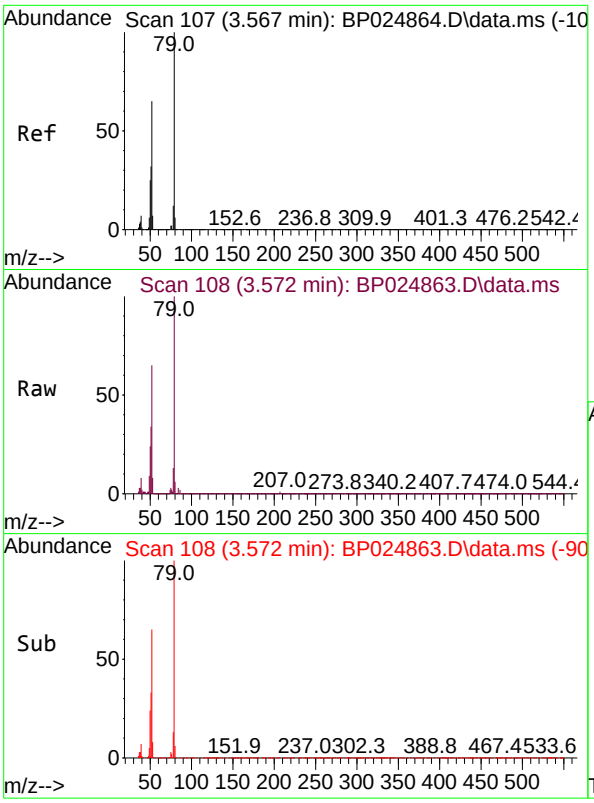


#2
1,4-Dioxane
Concen: 19.888 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 88 Resp: 116694

Ion	Ratio	Lower	Upper
88	100		
58	70.6	55.4	83.0
43	25.6	20.8	31.2

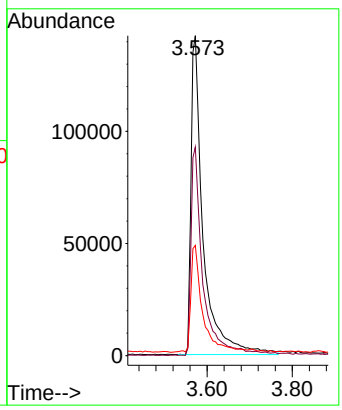




#3
Pyridine
Concen: 19.958 ng
RT: 3.572 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 79 Resp: 28162

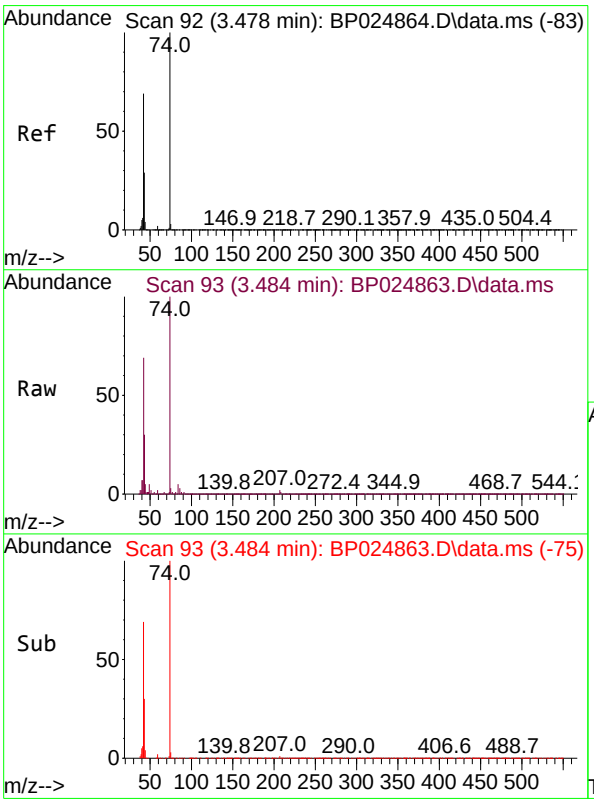
Ion	Ratio	Lower	Upper
79	100		
52	65.2	51.6	77.4
51	34.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

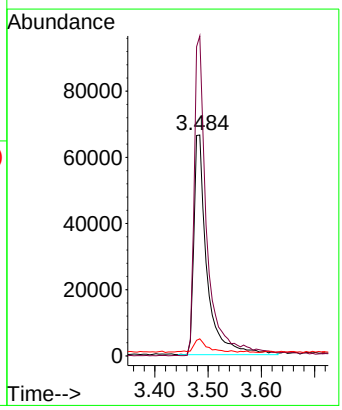
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

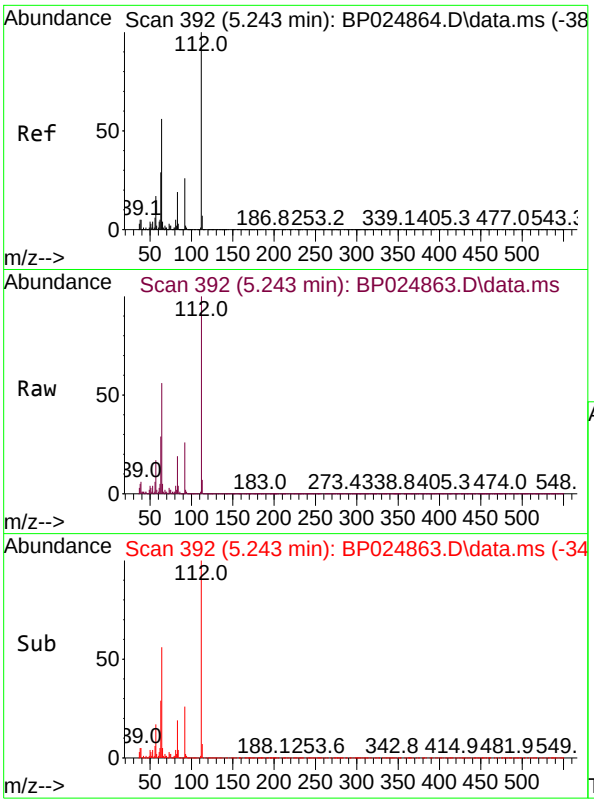


#4
n-Nitrosodimethylamine
Concen: 19.623 ng
RT: 3.484 min Scan# 93
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 42 Resp: 113202

Ion	Ratio	Lower	Upper
42	100		
74	144.8	116.6	174.8
44	7.7	5.4	8.0

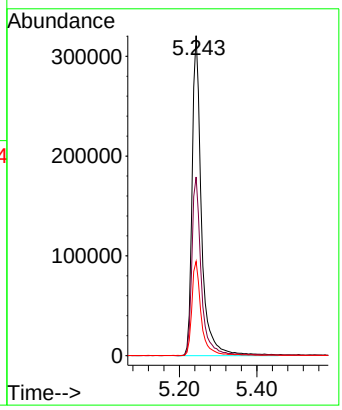




#5
2-Fluorophenol
Concen: 40.291 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:112 Resp: 53727

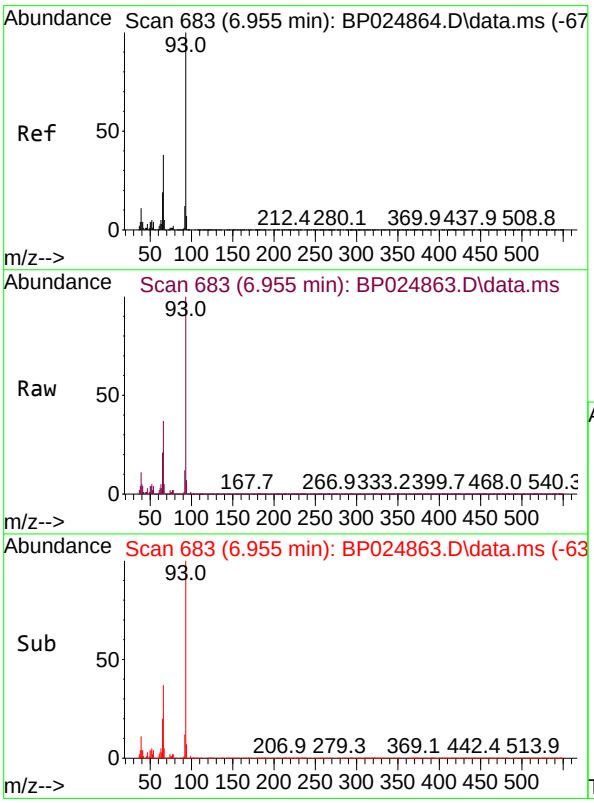
Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.7	67.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

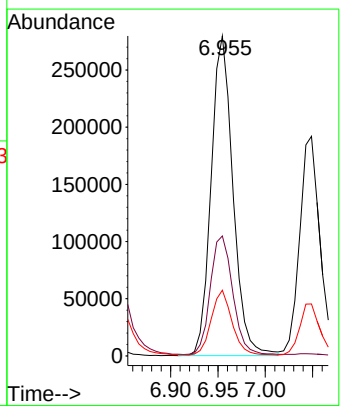
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

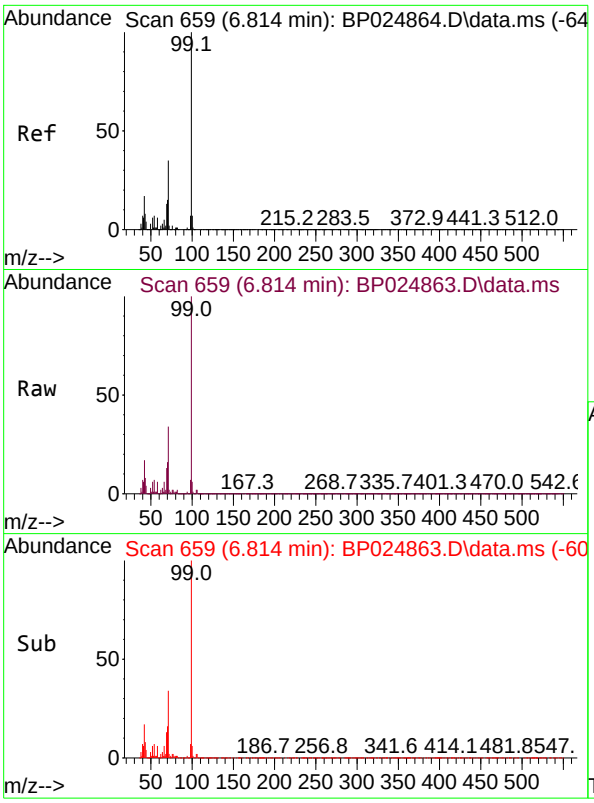


#6
Aniline
Concen: 19.932 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 448798

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.9	46.3
65	20.5	15.5	23.3

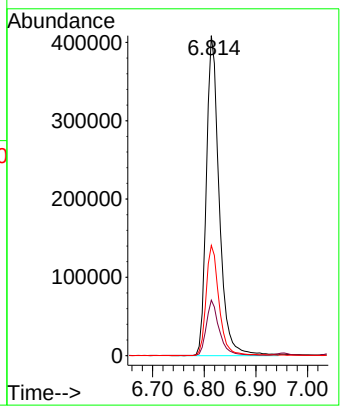




#7
Phenol-d6
Concen: 40.063 ng
RT: 6.814 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 99 Resp: 70685

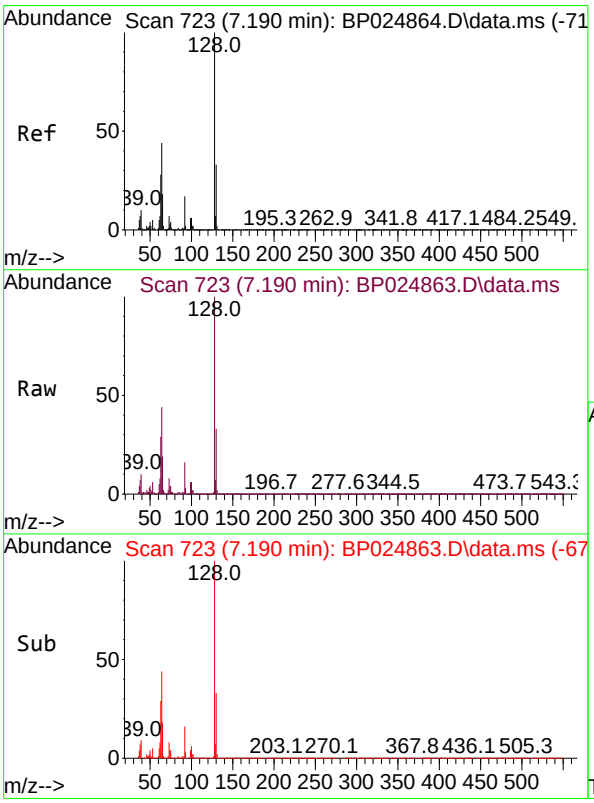
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.4	20.2
71	34.4	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

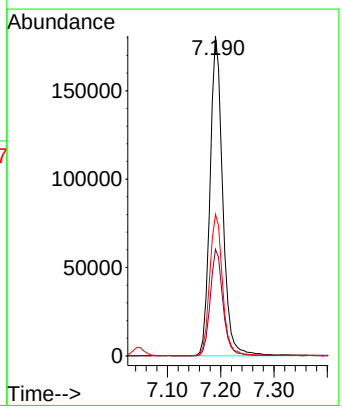
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

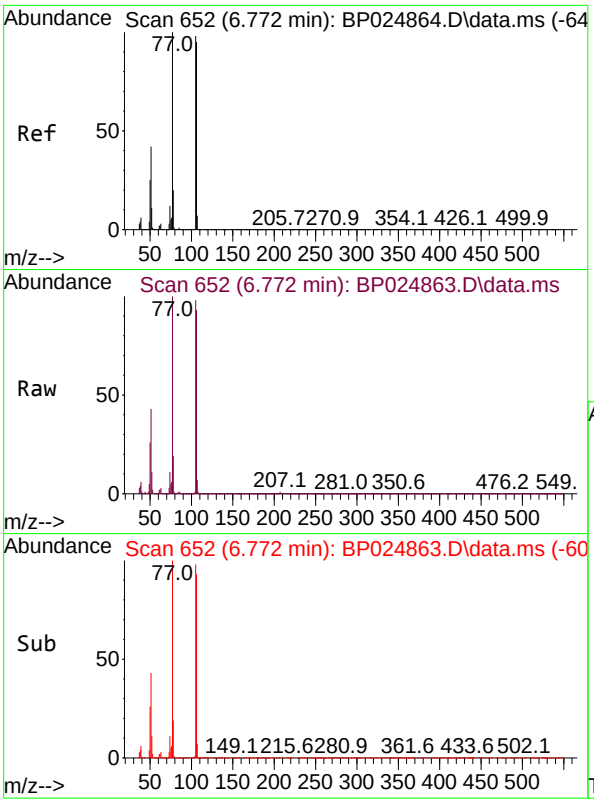


#8
2-Chlorophenol
Concen: 19.813 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:128 Resp: 299518

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	44.3	24.1	64.1

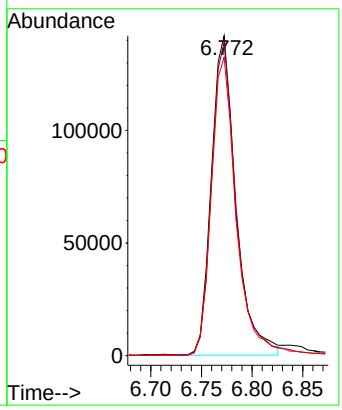




#9
Benzaldehyde
Concen: 23.366 ng m
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 23830

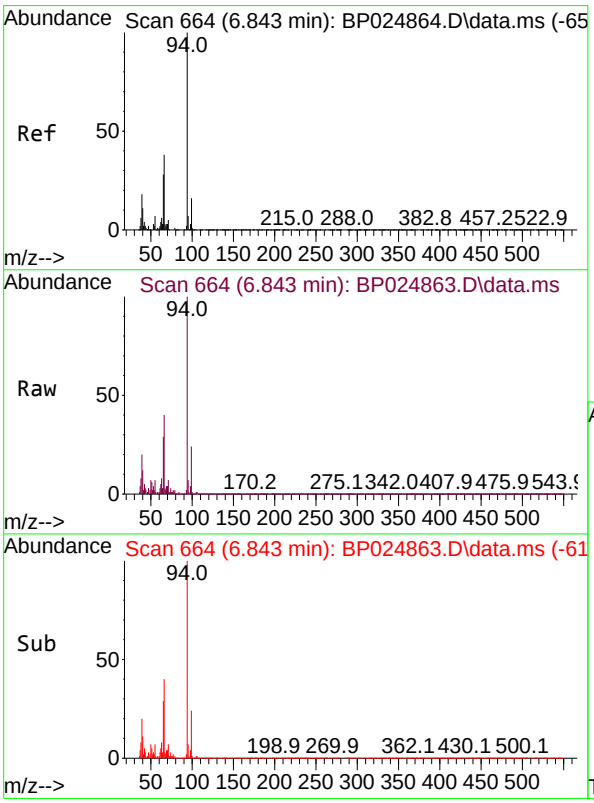
Ion	Ratio	Lower	Upper
77	100		
105	97.9	77.7	117.7
106	93.2	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

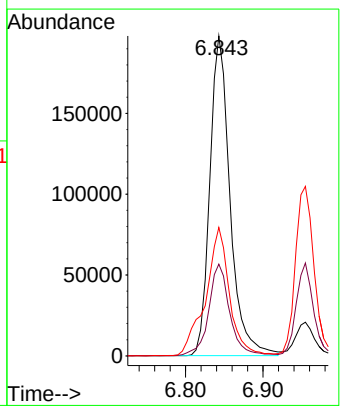
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

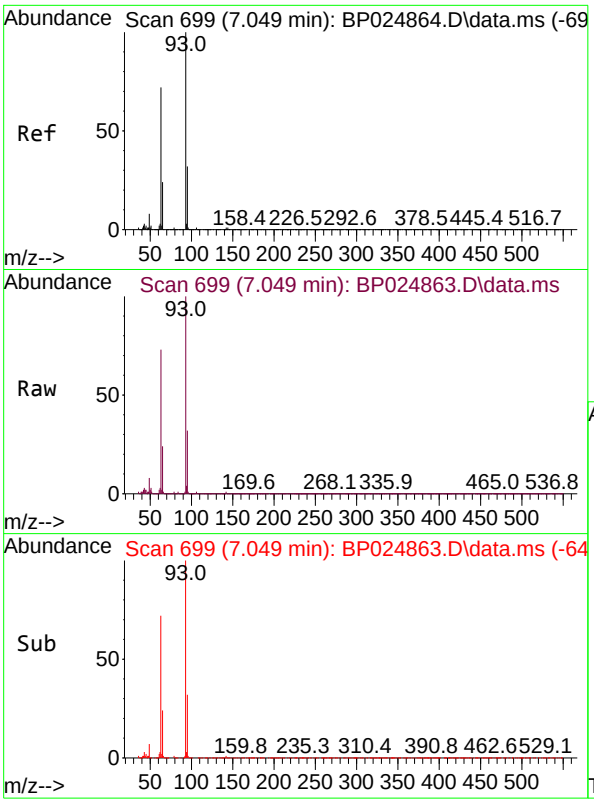


#10
Phenol
Concen: 19.774 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 94 Resp: 359664

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.3	48.3
66	40.1	18.2	58.2

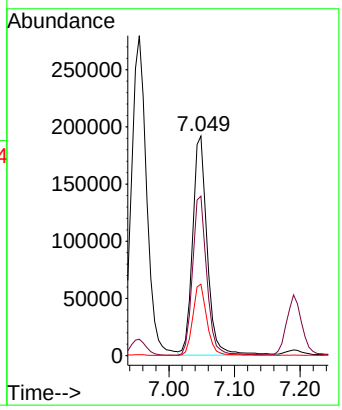




#11
bis(2-Chloroethyl)ether
Concen: 20.752 ng
RT: 7.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 29687

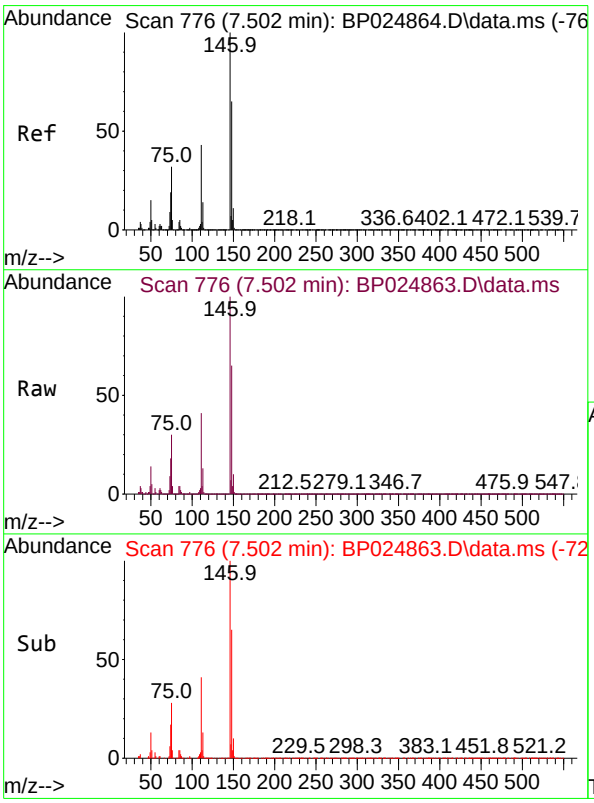
Ion	Ratio	Lower	Upper
93	100		
63	72.6	51.6	91.6
95	32.5	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

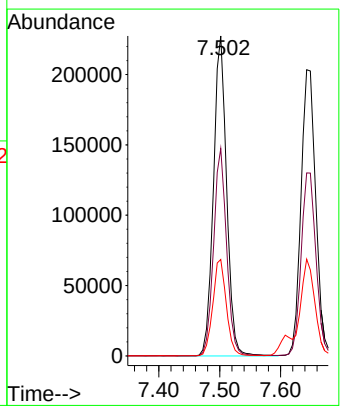
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

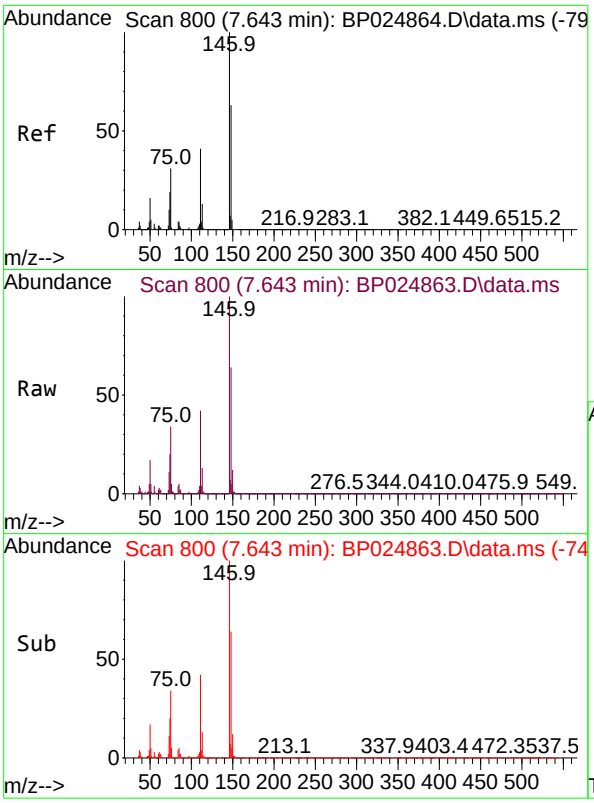


#12
1,3-Dichlorobenzene
Concen: 20.283 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 342054

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	30.1	25.3	37.9

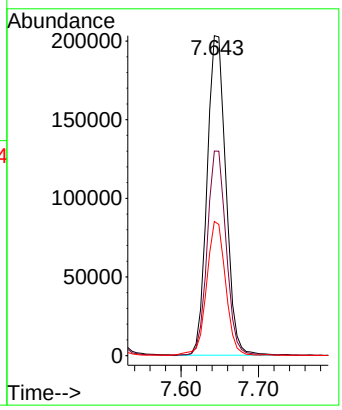




#13
1,4-Dichlorobenzene
Concen: 20.082 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 34171

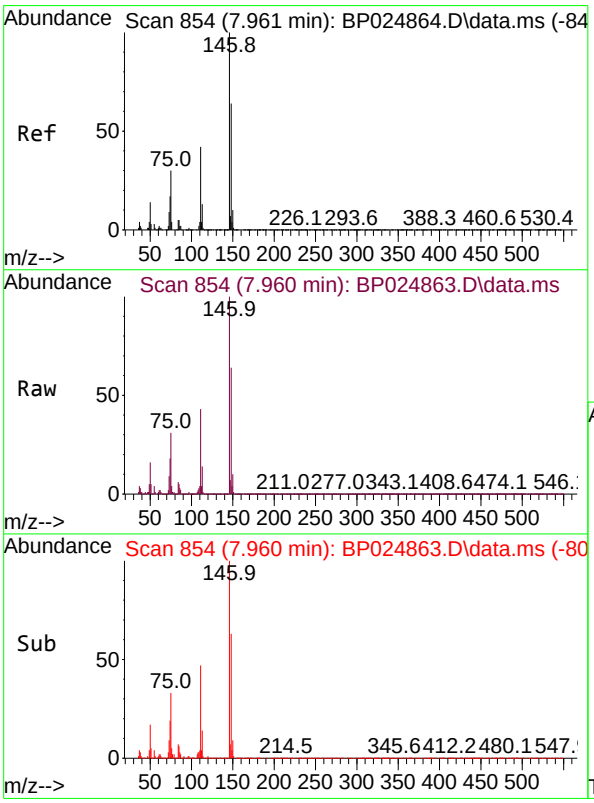
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	41.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

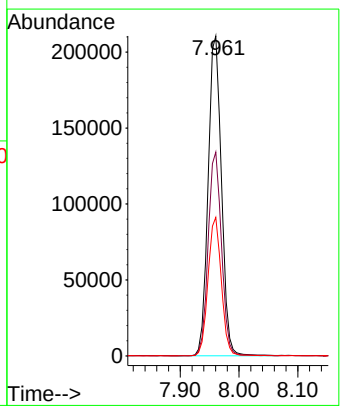
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

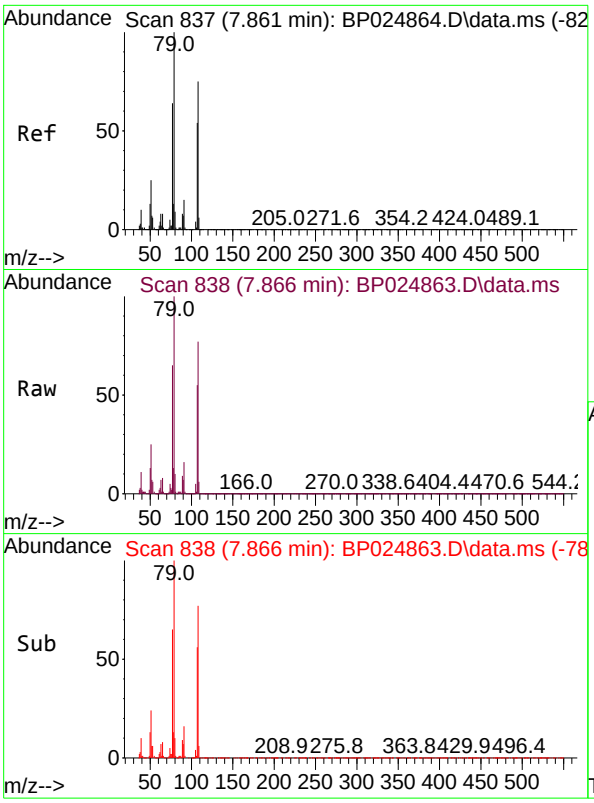


#14
1,2-Dichlorobenzene
Concen: 19.825 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 331251

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.3	33.8	50.8

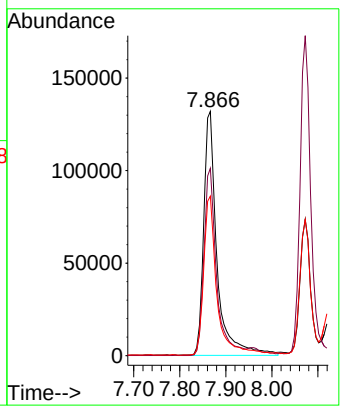




#15
Benzyl Alcohol
Concen: 19.476 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 79 Resp: 26372

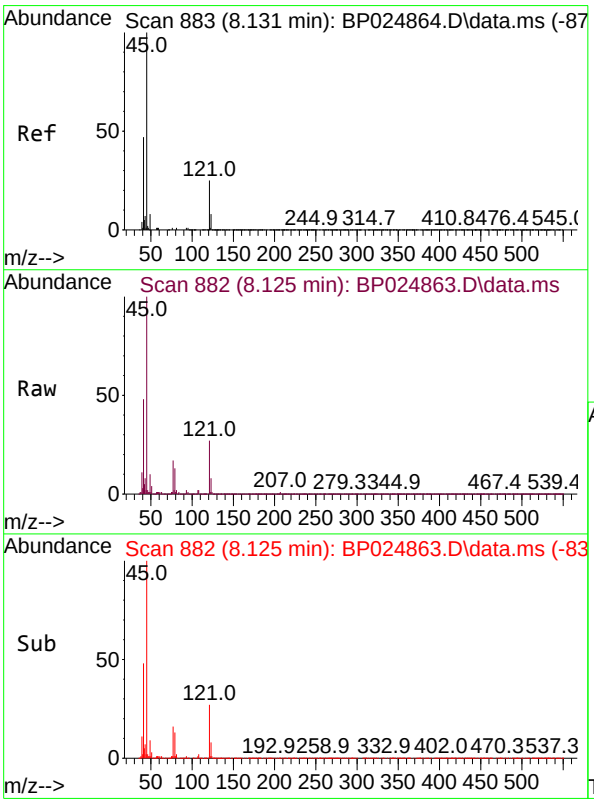
Ion	Ratio	Lower	Upper
79	100		
108	76.7	60.2	90.4
77	65.3	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

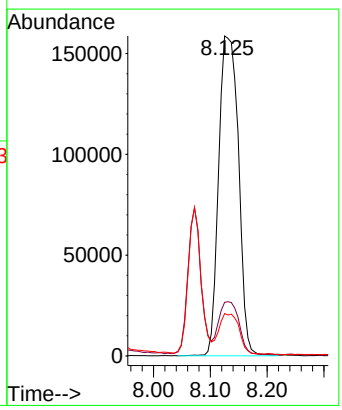
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

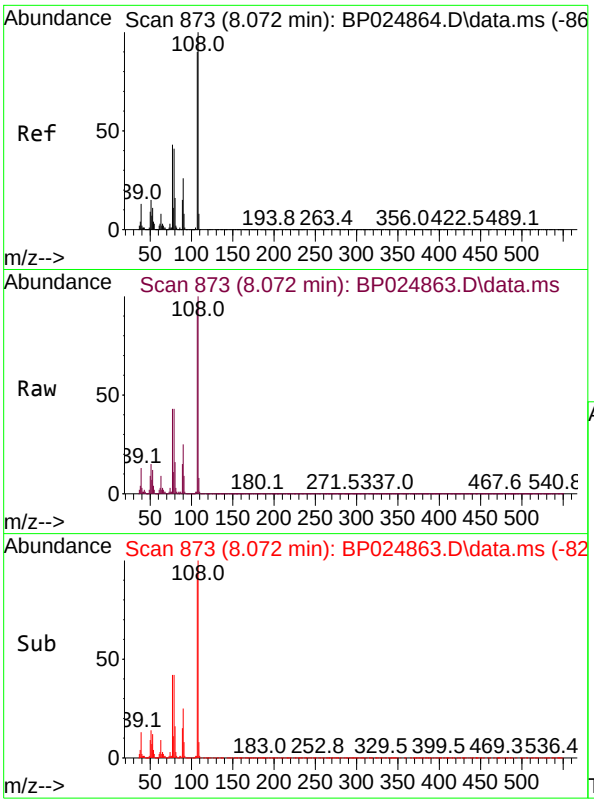


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.467 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 45 Resp: 383219

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.3
79	13.2	0.0	32.2

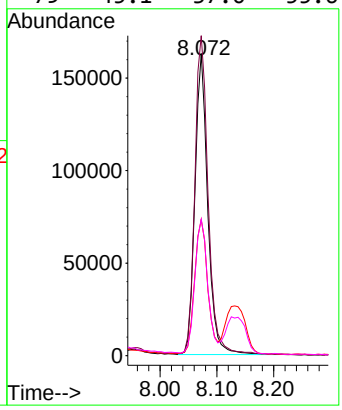




#17
2-Methylphenol
Concen: 19.940 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 25326

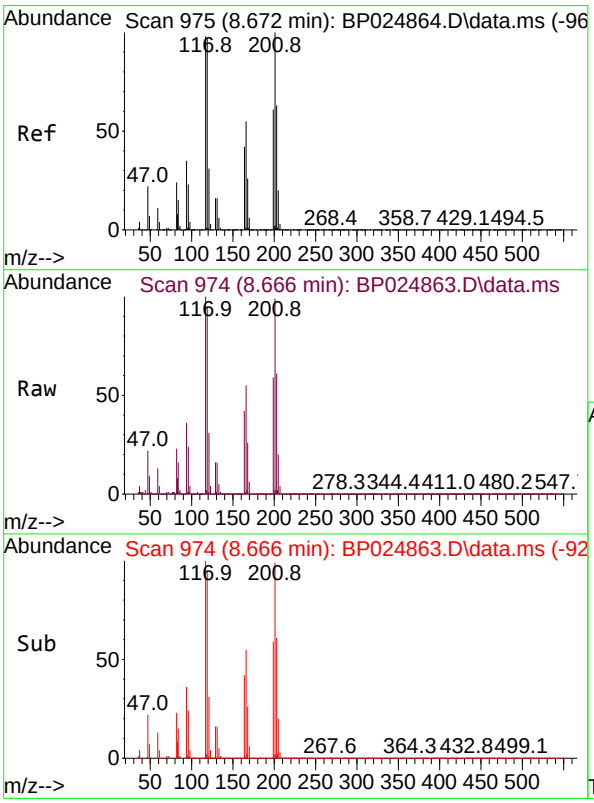
Ion	Ratio	Lower	Upper
107	100		
108	106.0	88.6	132.8
77	45.0	38.5	57.7
79	45.1	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

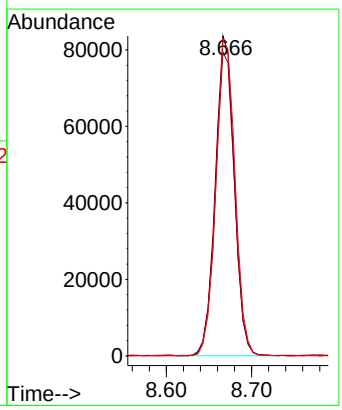
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

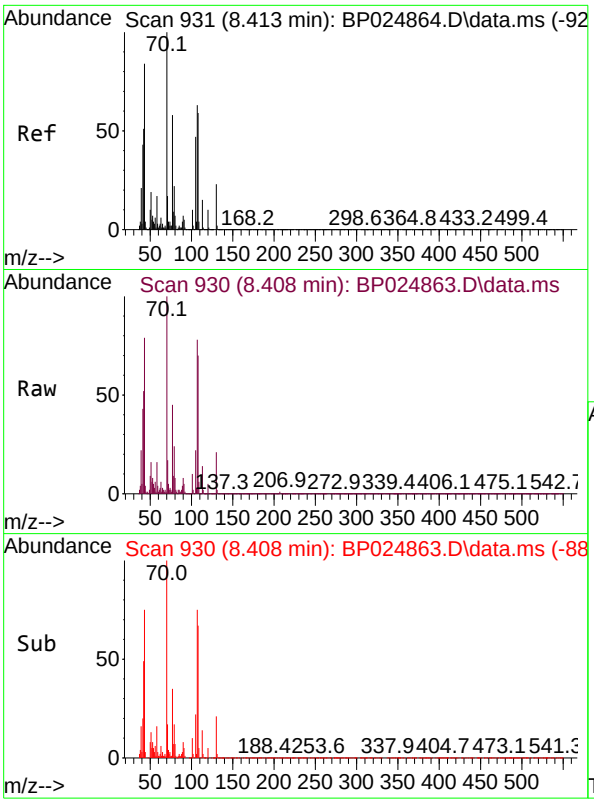


#18
Hexachloroethane
Concen: 20.180 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:117 Resp: 129276

Ion	Ratio	Lower	Upper
117	100		
119	94.9	79.4	119.2
201	98.9	81.4	122.2

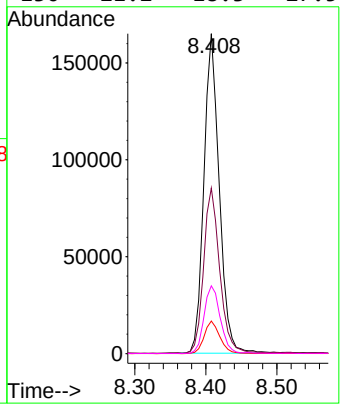




#19
n-Nitroso-di-n-propylamine
Concen: 20.537 ng
RT: 8.408 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 70 Resp: 24632

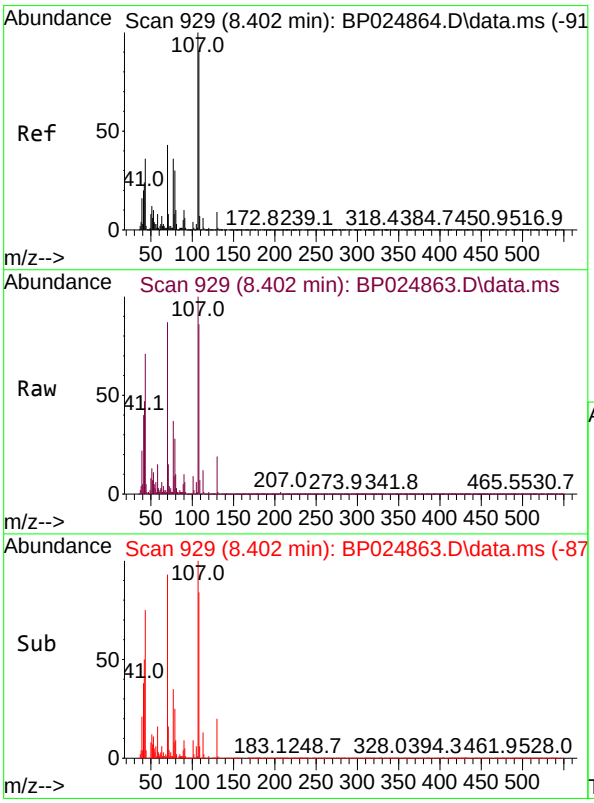
Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.2	61.8
101	10.2	8.3	12.5
130	21.2	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

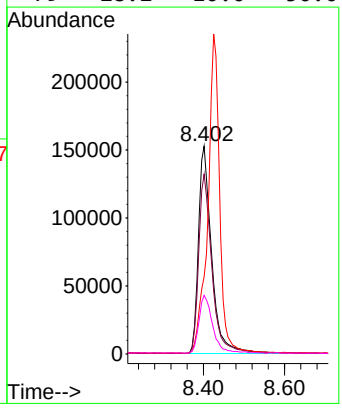
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

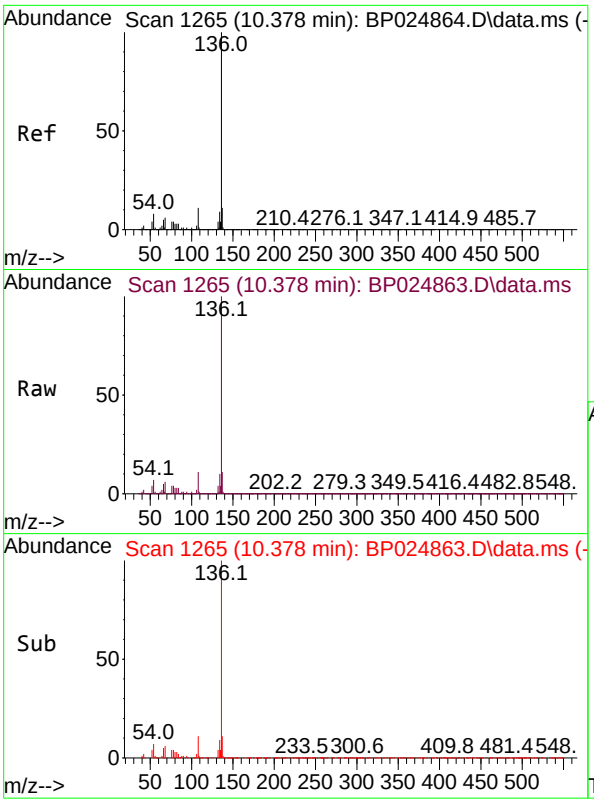


#20
3+4-Methylphenols
Concen: 19.881 ng
RT: 8.402 min Scan# 929
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 344513

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.7	110.7
77	37.1	16.6	56.6
79	28.2	10.0	50.0

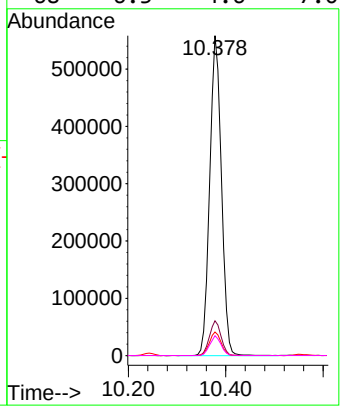




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:136 Resp: 93399

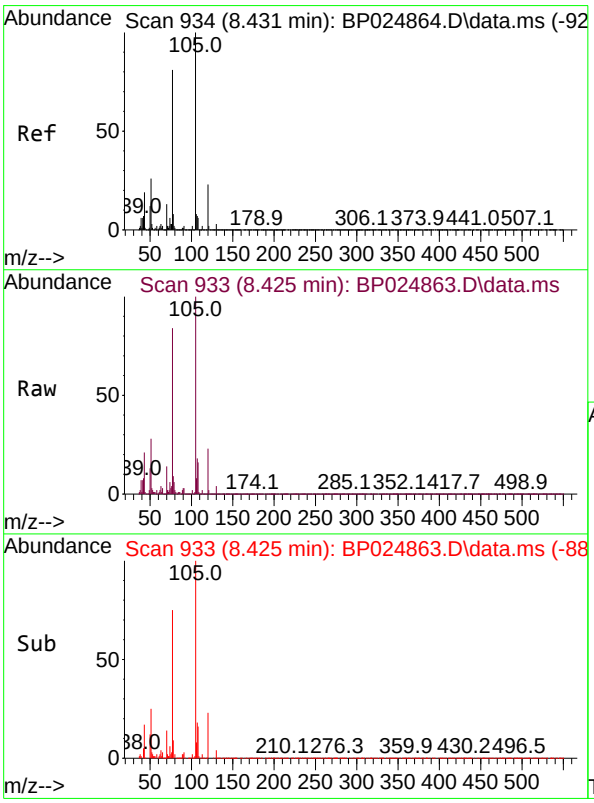
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.1	9.1
68	6.3	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

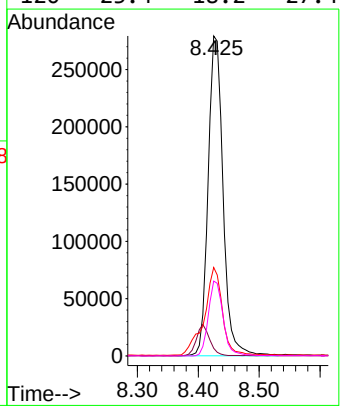
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

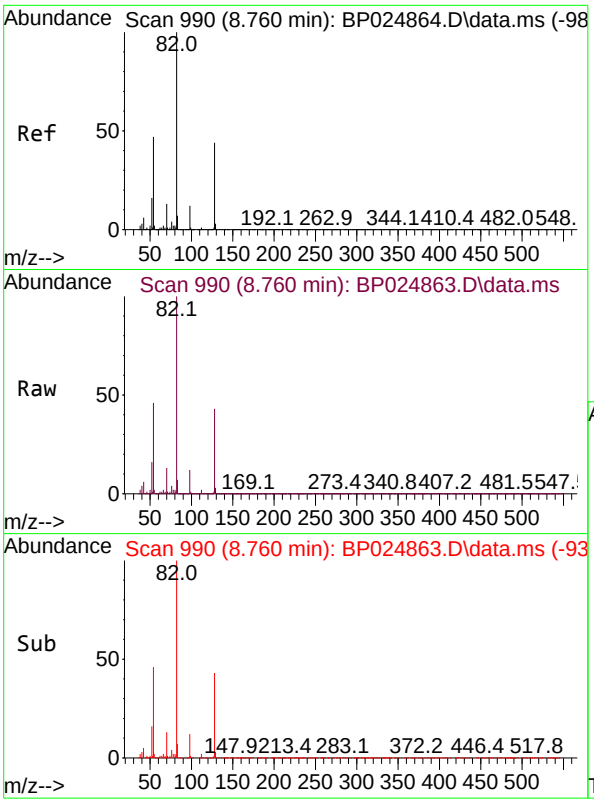


#22
Acetophenone
Concen: 20.211 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:105 Resp: 476927

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.6	2.4
51	27.6	20.6	31.0
120	23.4	18.2	27.4





#23
Nitrobenzene-d5
Concen: 41.087 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

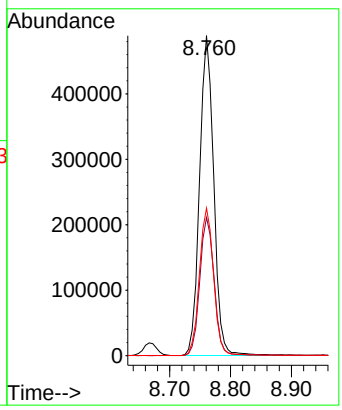
Tgt Ion: 82 Resp: 78972

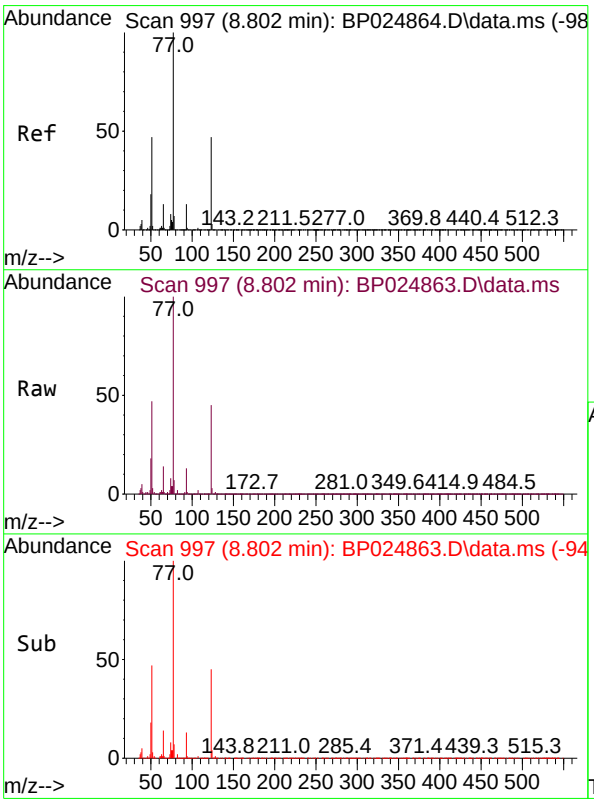
Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.3	52.9
54	46.1	37.4	56.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

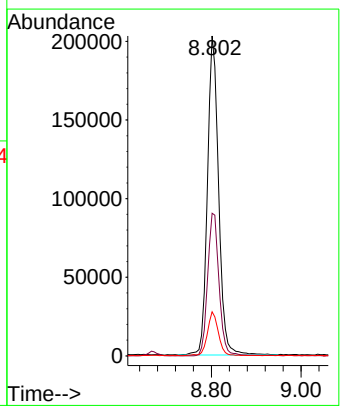


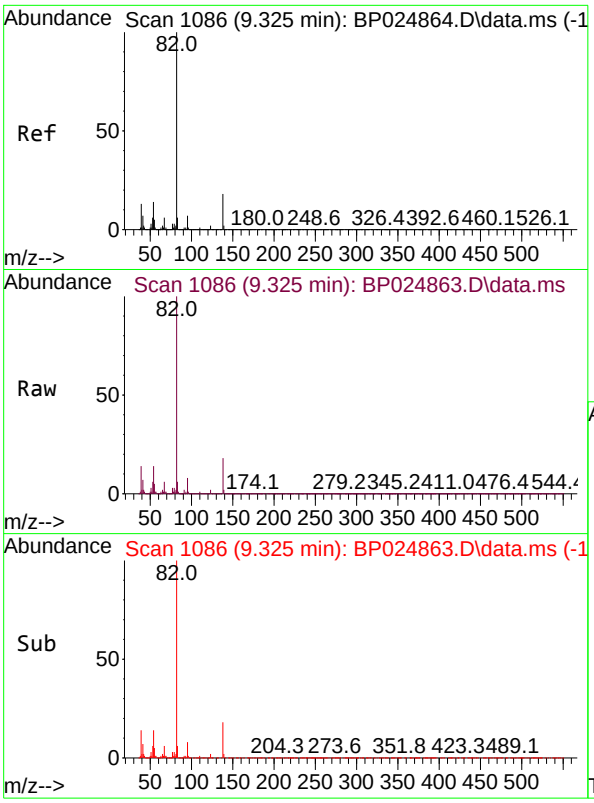


#24
Nitrobenzene
Concen: 20.521 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 350404

Ion	Ratio	Lower	Upper
77	100		
123	44.6	37.3	55.9
65	13.8	10.8	16.2

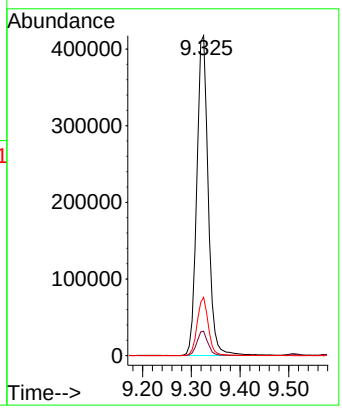




#25
Isophorone
Concen: 20.309 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 82 Resp: 67652

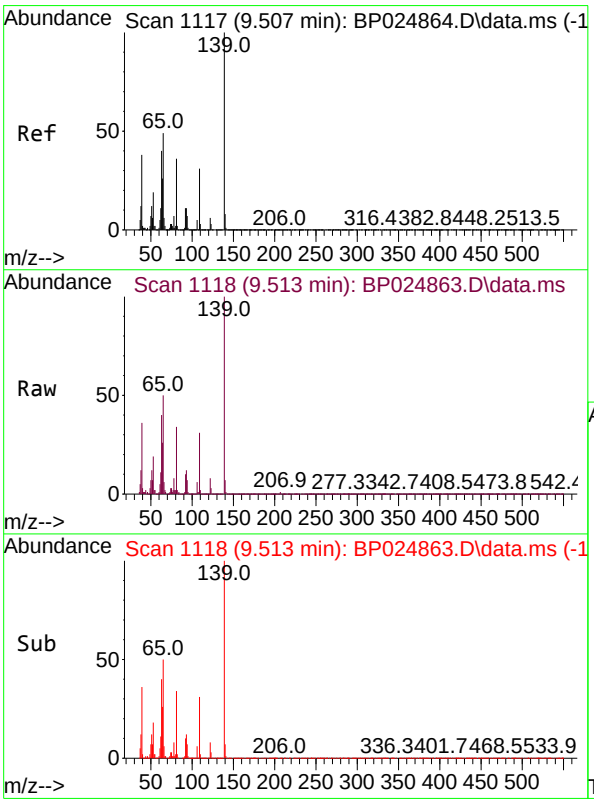
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.3	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

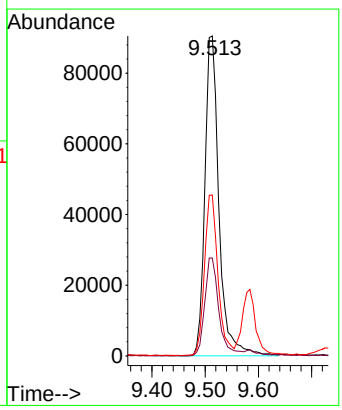
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

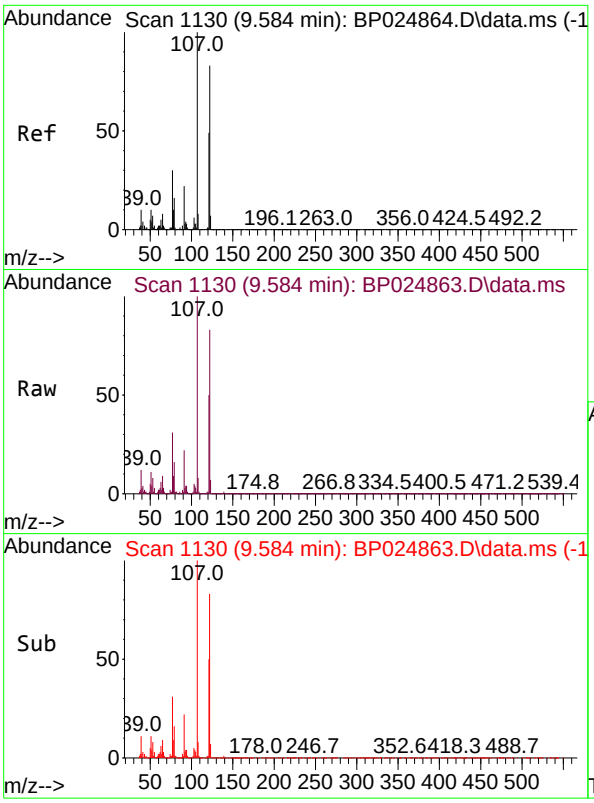


#26
2-Nitrophenol
Concen: 19.736 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:139 Resp: 166277

Ion	Ratio	Lower	Upper
139	100		
109	30.6	24.6	37.0
65	50.3	39.5	59.3

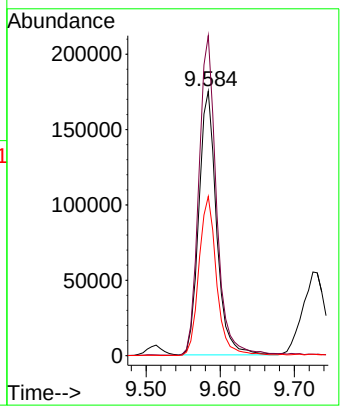




#27
2,4-Dimethylphenol
Concen: 20.094 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:122 Resp: 28973

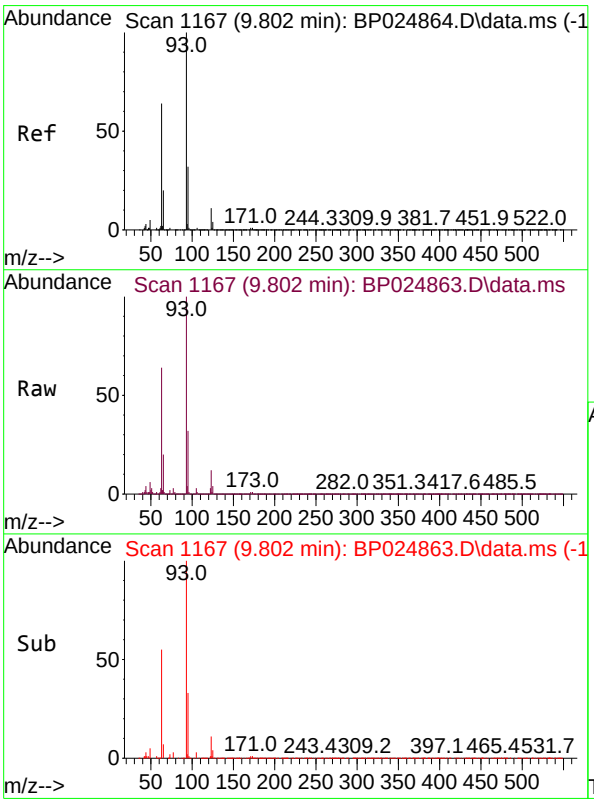
Ion	Ratio	Lower	Upper
122	100		
107	121.0	96.2	144.4
121	60.2	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

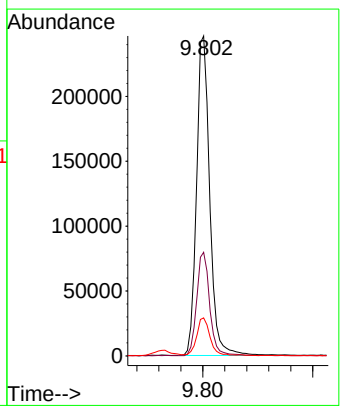
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

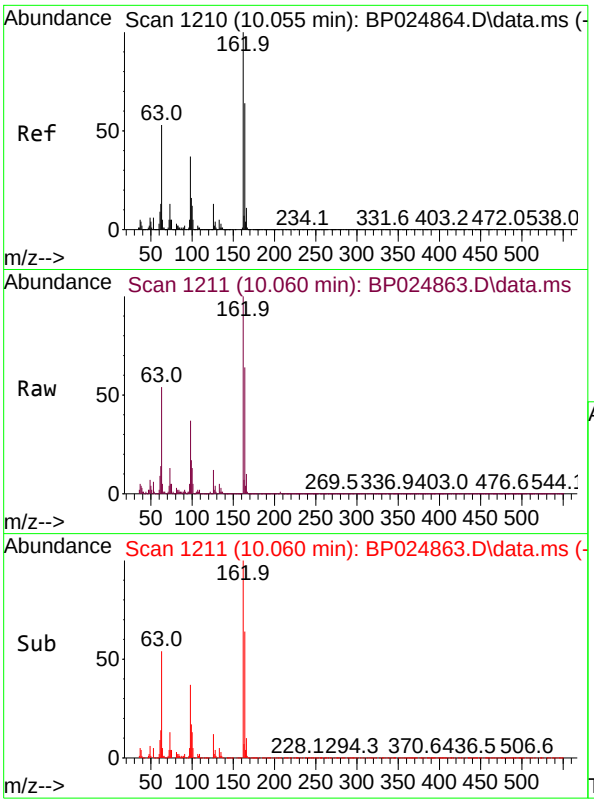


#28
bis(2-Chloroethoxy)methane
Concen: 20.603 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 409390

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.9	9.2	13.8

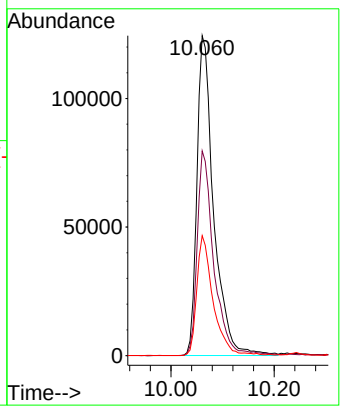




#29
2,4-Dichlorophenol
Concen: 20.242 ng
RT: 10.060 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:162 Resp: 28005

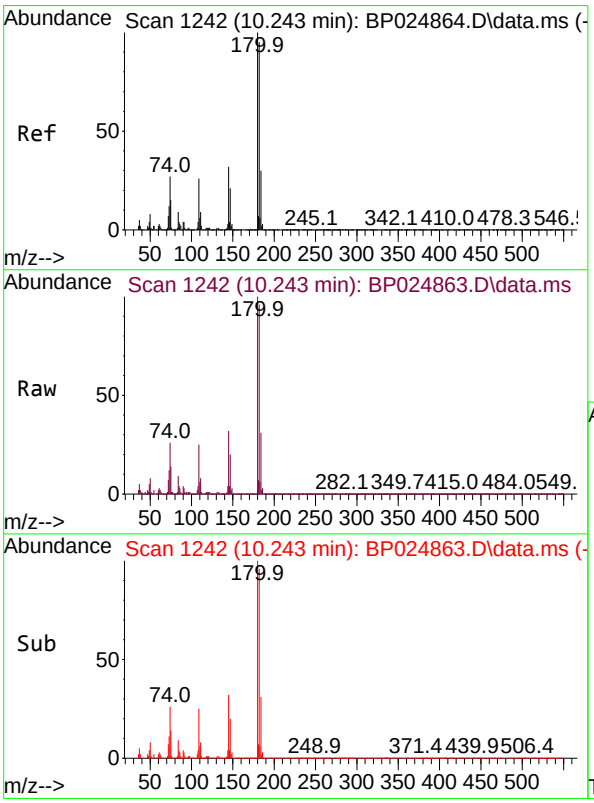
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	37.5	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

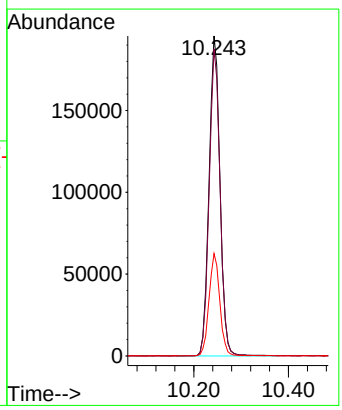
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

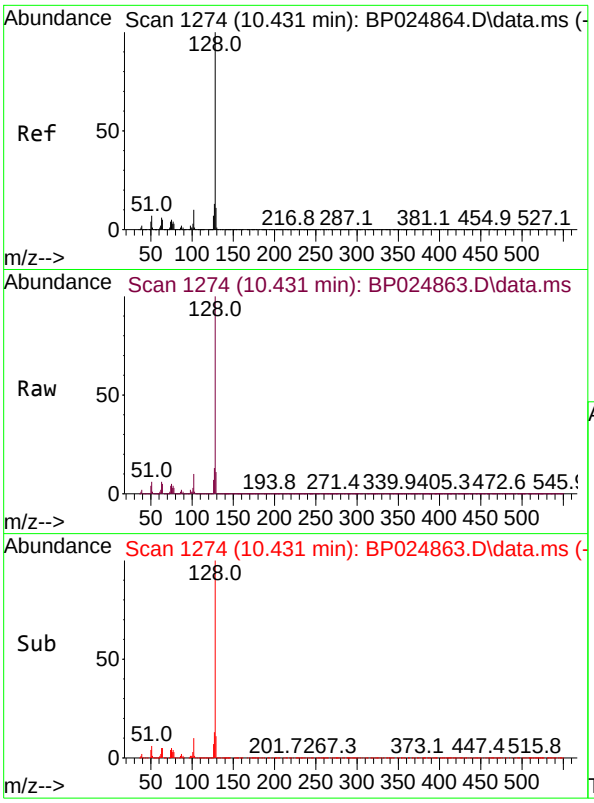


#30
1,2,4-Trichlorobenzene
Concen: 20.074 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:180 Resp: 313253

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	32.0	25.7	38.5





#31
Naphthalene
Concen: 20.381 ng
RT: 10.431 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

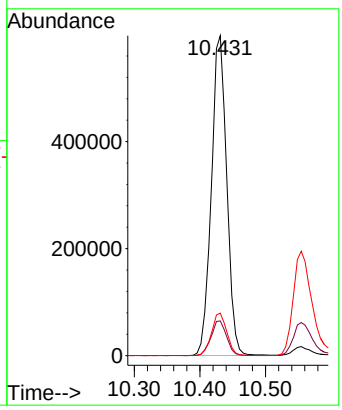
Tgt Ion:128 Resp: 97549

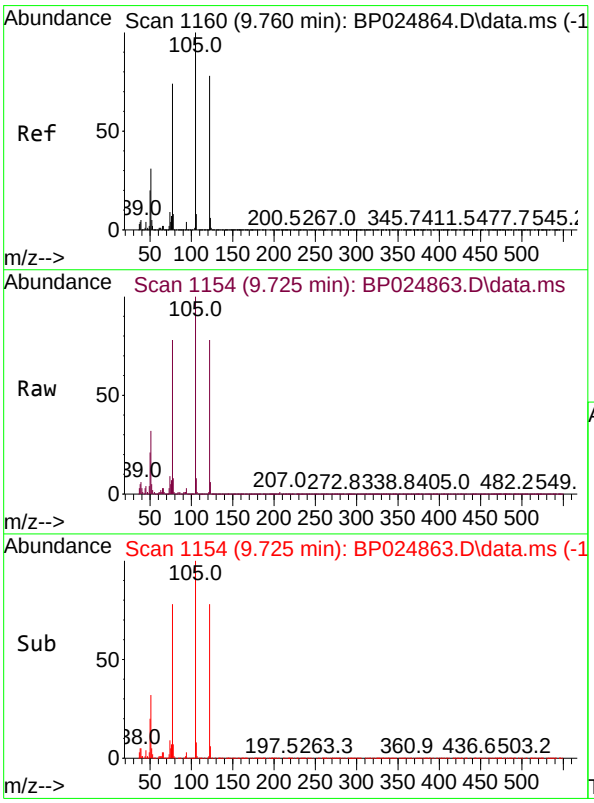
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.7	16.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

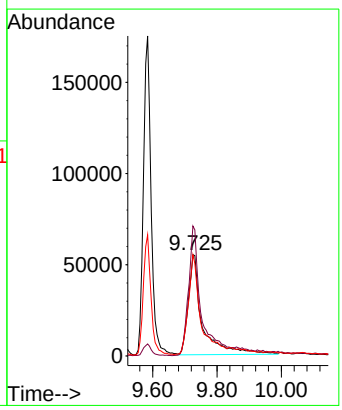


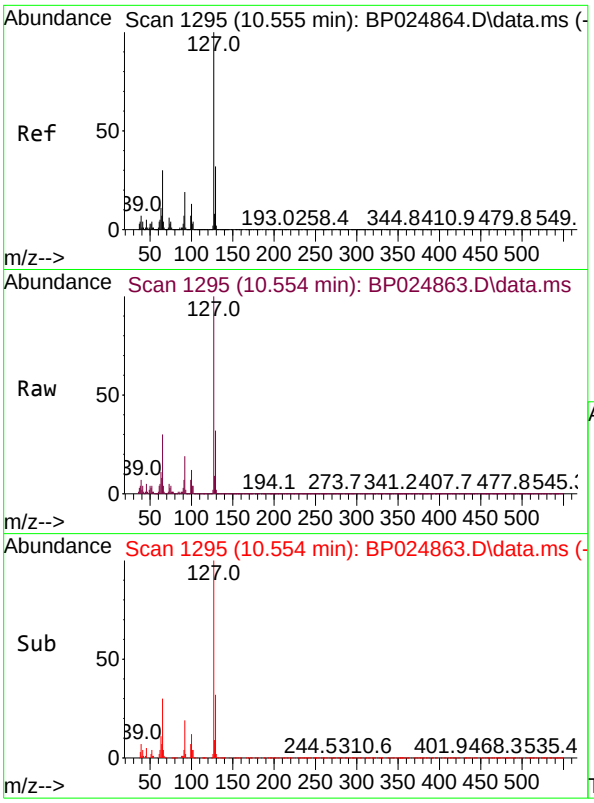


#32
Benzoic acid
Concen: 17.546 ng
RT: 9.725 min Scan# 1154
Delta R.T. -0.035 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:122 Resp: 168675

Ion	Ratio	Lower	Upper
122	100		
105	128.5	107.1	147.1
77	99.9	75.1	115.1

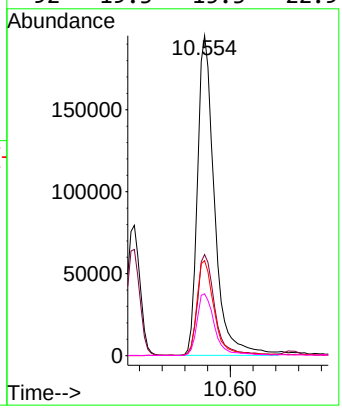




#33
4-Chloroaniline
Concen: 20.252 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:127 Resp: 406109

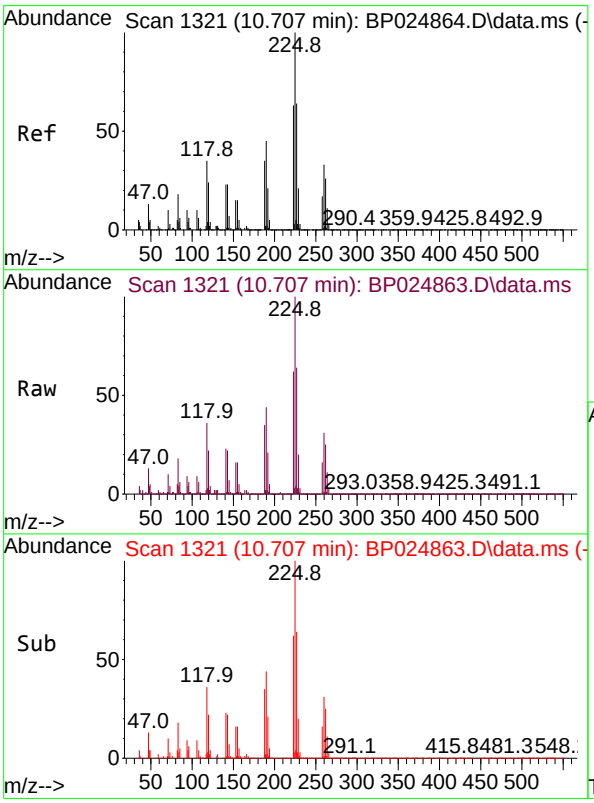
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	29.7	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

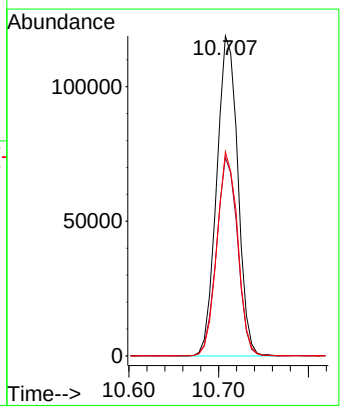
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

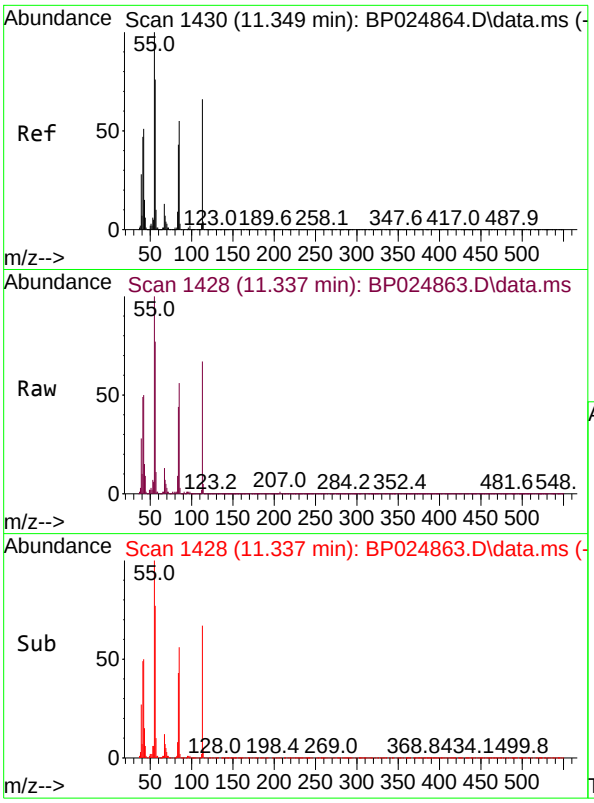


#34
Hexachlorobutadiene
Concen: 20.660 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:225 Resp: 194310

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.5	75.7
227	63.8	51.4	77.2

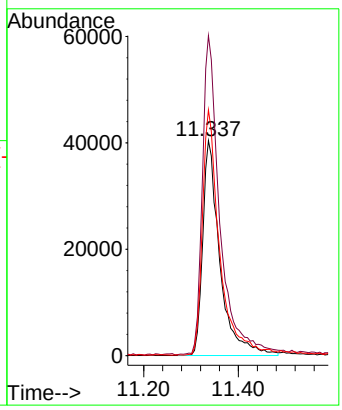




#35
Caprolactam
Concen: 19.975 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:113 Resp: 10172

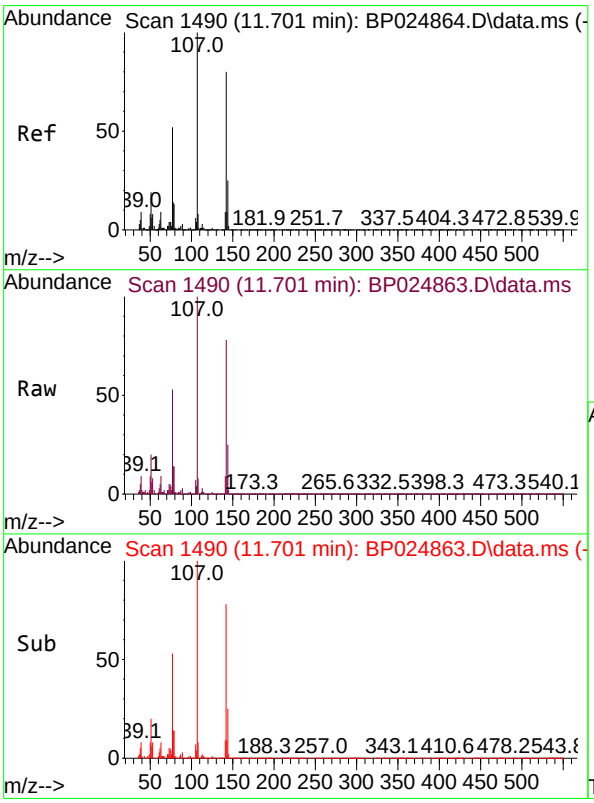
Ion	Ratio	Lower	Upper
113	100		
55	148.8	132.5	172.5
56	114.3	96.0	136.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

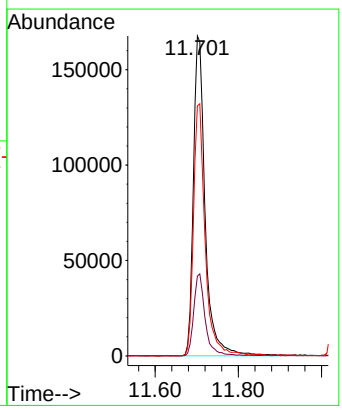
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

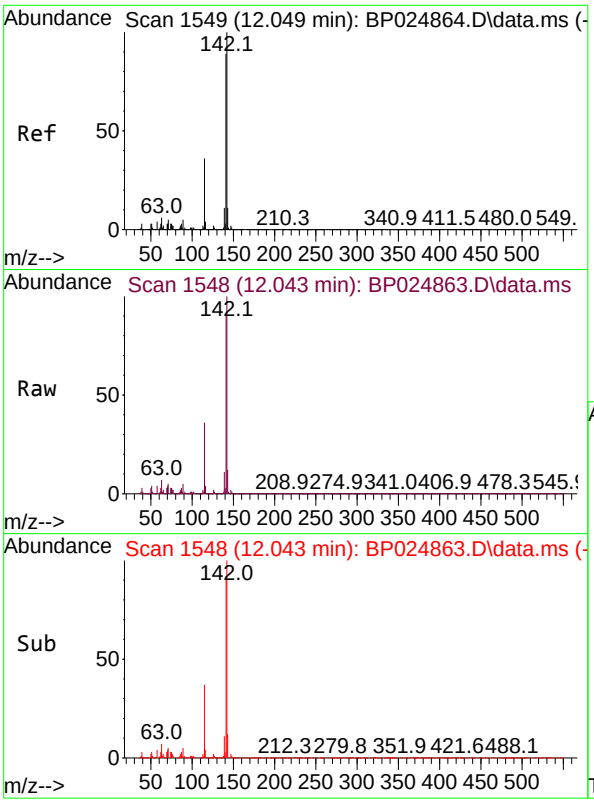


#36
4-Chloro-3-methylphenol
Concen: 20.569 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 328233

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	78.1	63.8	95.6

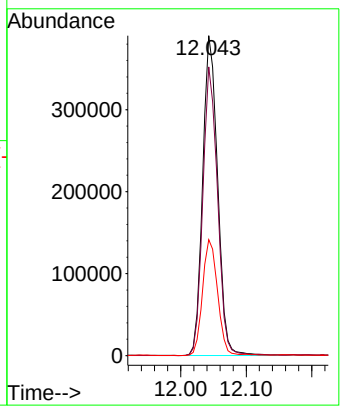




#37
2-Methylnaphthalene
Concen: 20.267 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:142 Resp: 615339

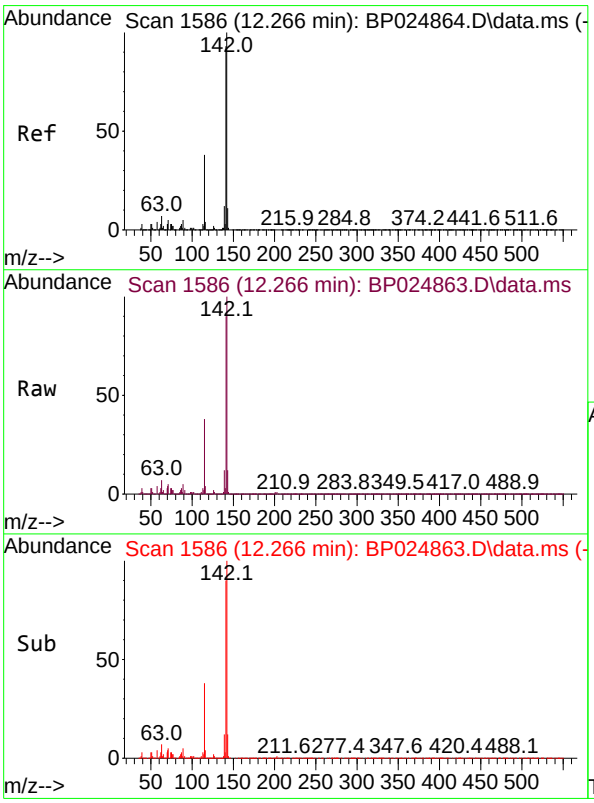
Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.2	106.8
115	36.2	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

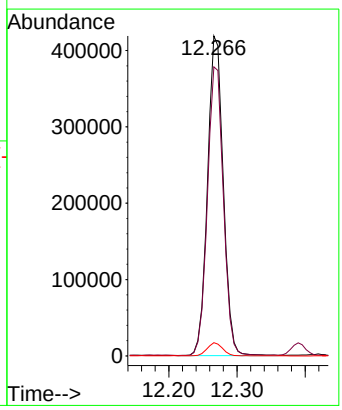
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

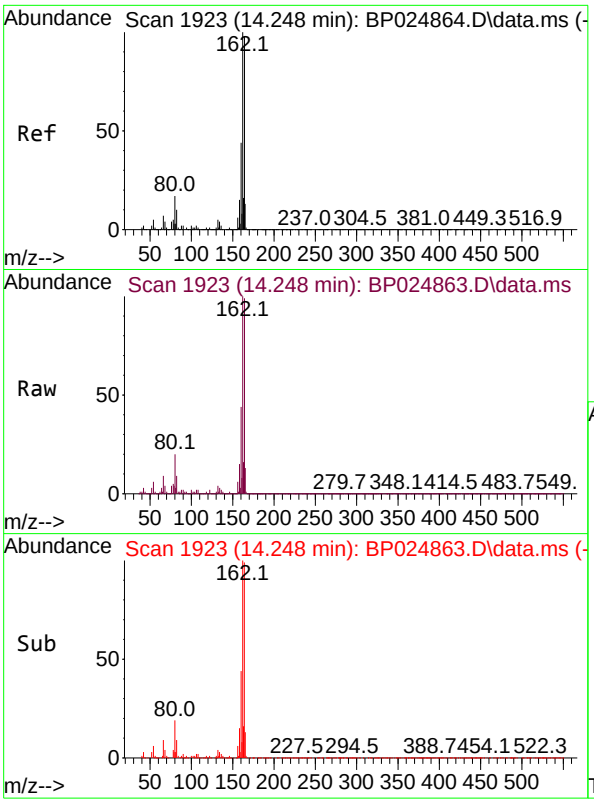


#38
1-Methylnaphthalene
Concen: 20.648 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:142 Resp: 670212

Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.7	112.1
116	4.2	3.4	5.0

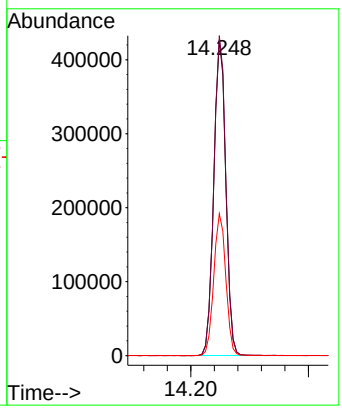




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:164 Resp: 604798

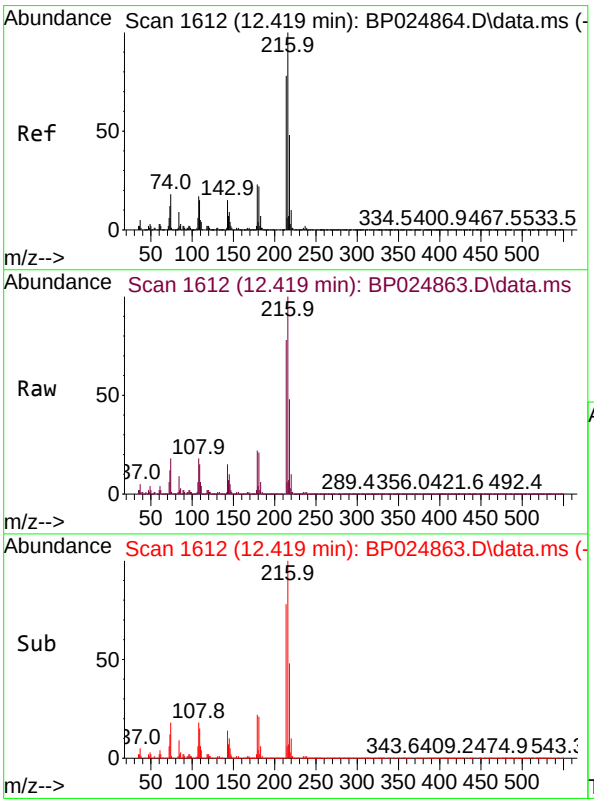
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.6	122.4
160	44.9	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

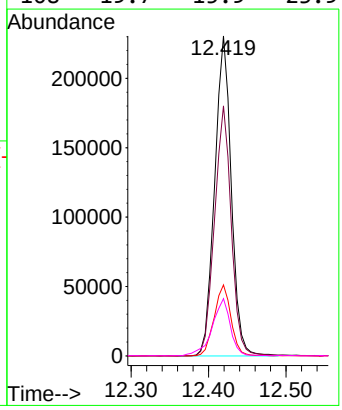
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

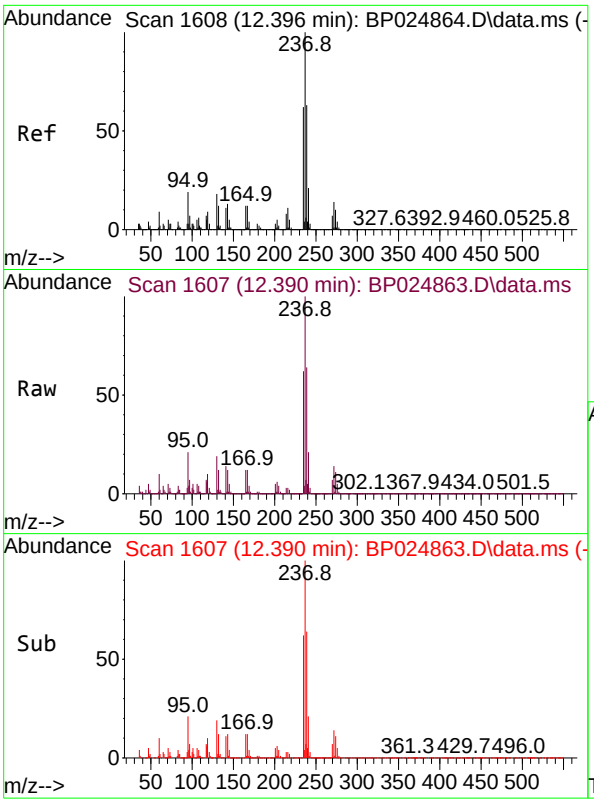


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.018 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:216 Resp: 343533

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	22.5	17.8	26.6
108	19.7	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 18.191 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

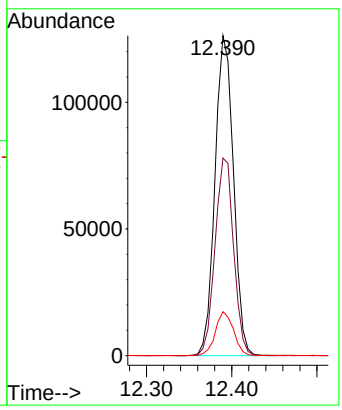
Tgt Ion:237 Resp: 19040

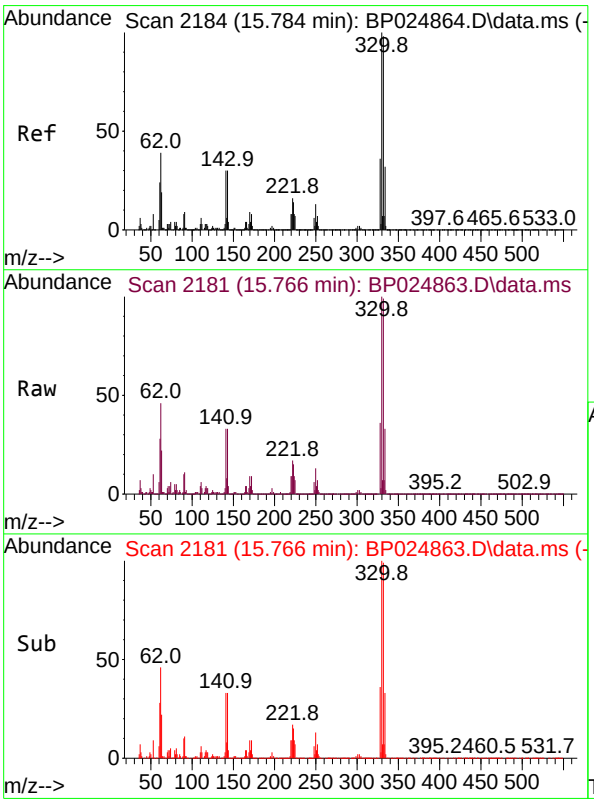
Ion	Ratio	Lower	Upper
237	100		
235	61.7	41.9	81.9
272	13.7	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

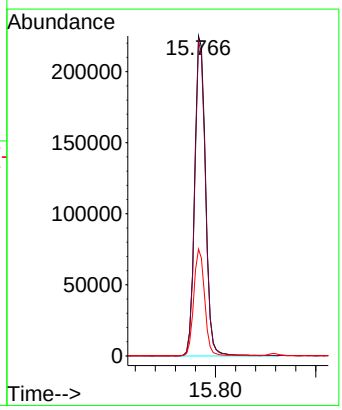


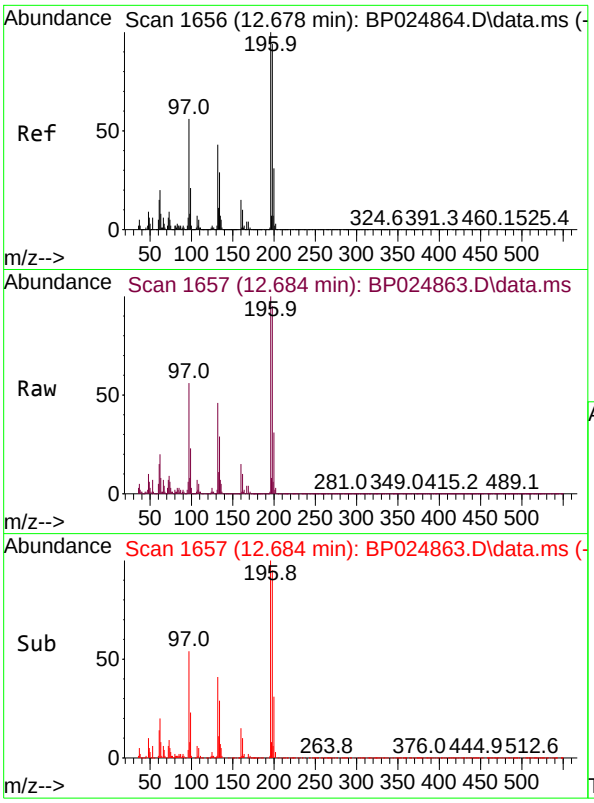


#42
2,4,6-Tribromophenol
Concen: 40.373 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:330 Resp: 337588

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	33.2	26.4	39.6

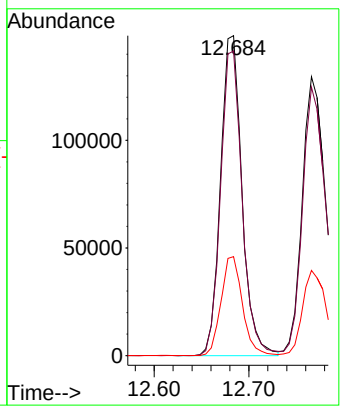




#43
2,4,6-Trichlorophenol
Concen: 20.265 ng
RT: 12.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:196 Resp: 23355

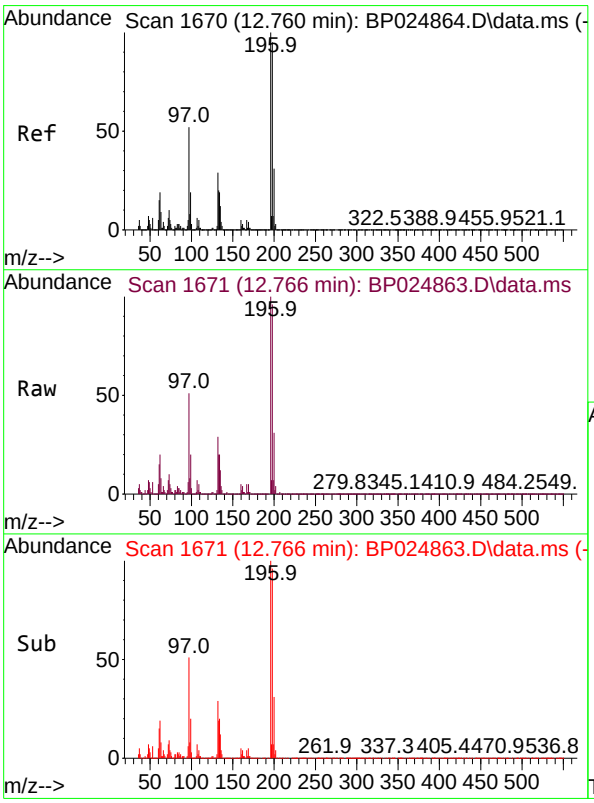
Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.9	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

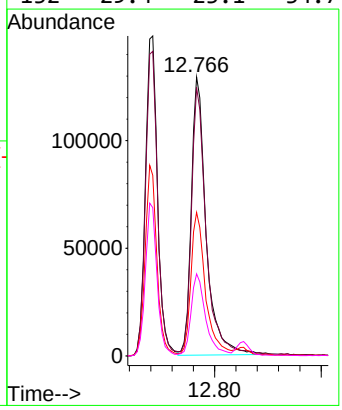
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

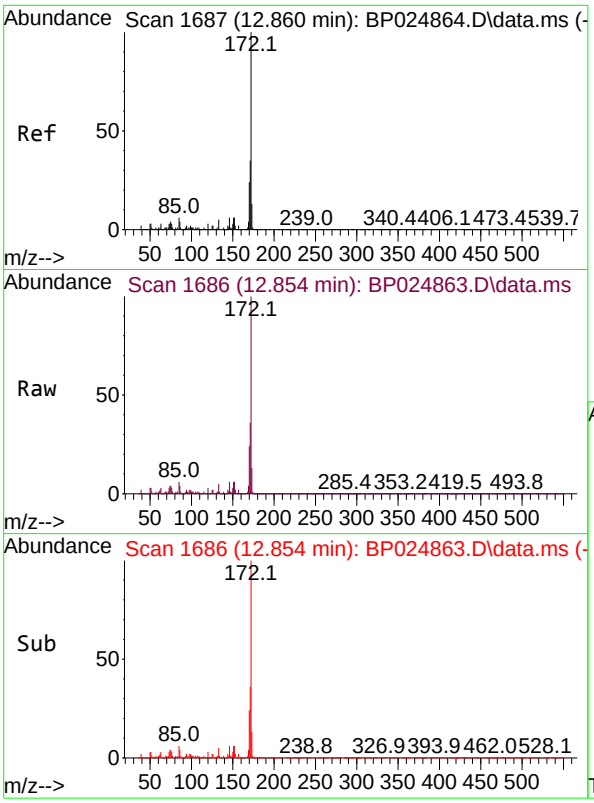


#44
2,4,5-Trichlorophenol
Concen: 20.279 ng
RT: 12.766 min Scan# 1671
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:196 Resp: 250294

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.0	114.0
97	51.5	41.5	62.3
132	29.4	23.1	34.7

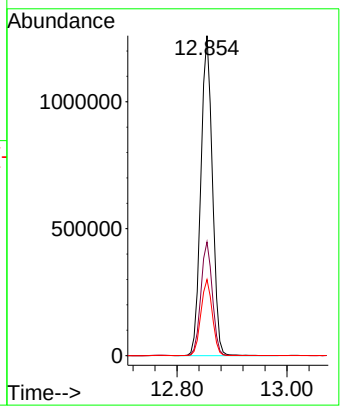




#45
2-Fluorobiphenyl
Concen: 40.864 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:172 Resp: 183462

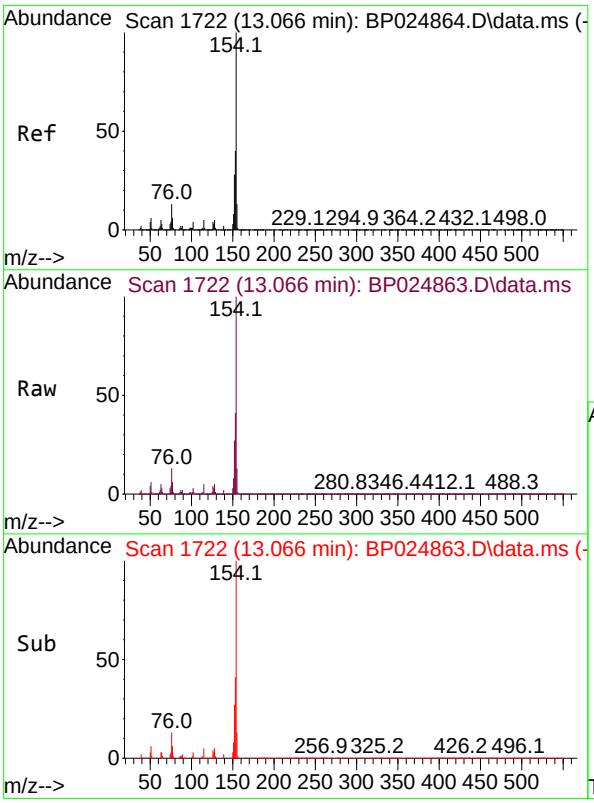
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

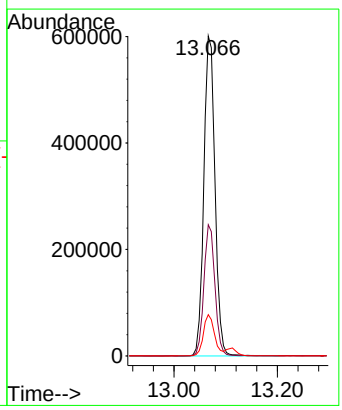
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

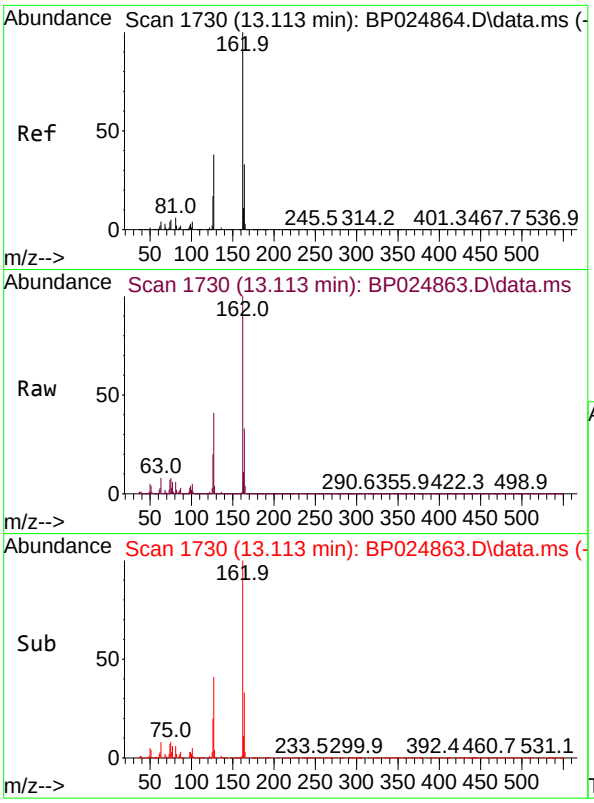


#46
1,1'-Biphenyl
Concen: 20.433 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:154 Resp: 898074

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.9	0.0	33.0

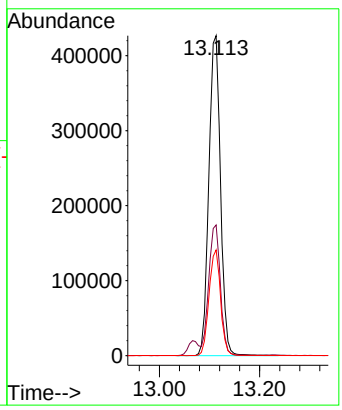




#47
2-Chloronaphthalene
Concen: 20.324 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:162 Resp: 68655

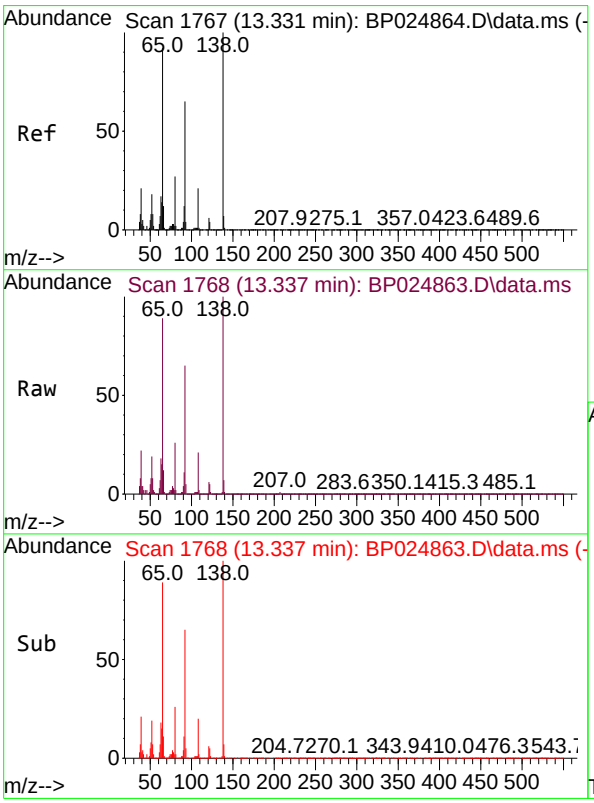
Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.5	48.7
164	33.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

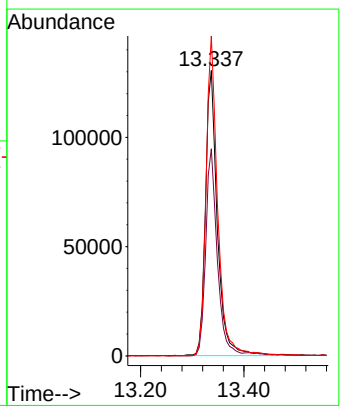
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

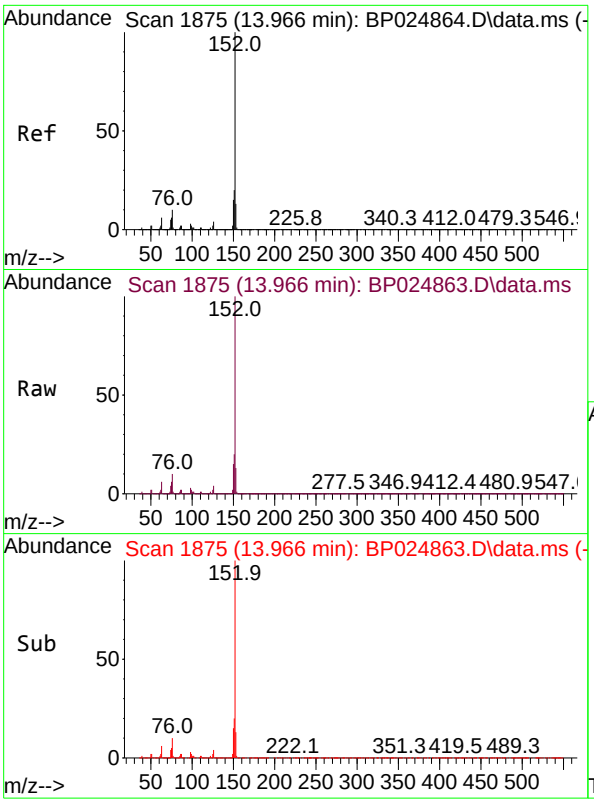


#48
2-Nitroaniline
Concen: 20.059 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 65 Resp: 208318

Ion	Ratio	Lower	Upper
65	100		
92	72.6	56.8	85.2
138	112.2	86.9	130.3





#49
Acenaphthylene
Concen: 20.311 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

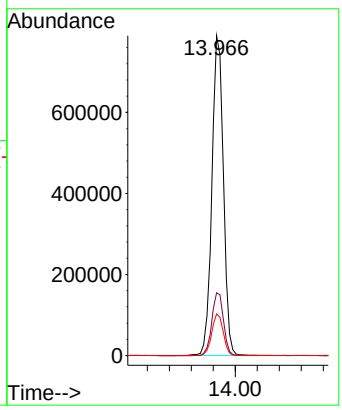
Instrument :
BNA_P
ClientSampleId :
SSTDICC020

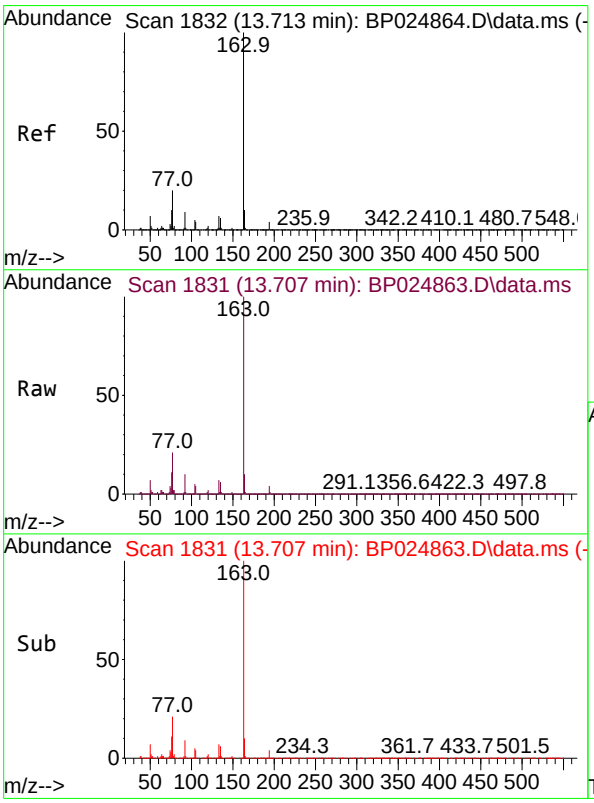
Tgt Ion:152 Resp: 114401

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.0	10.6	15.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

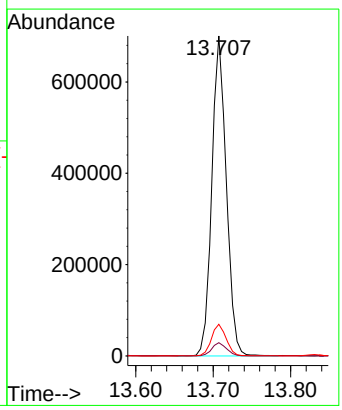


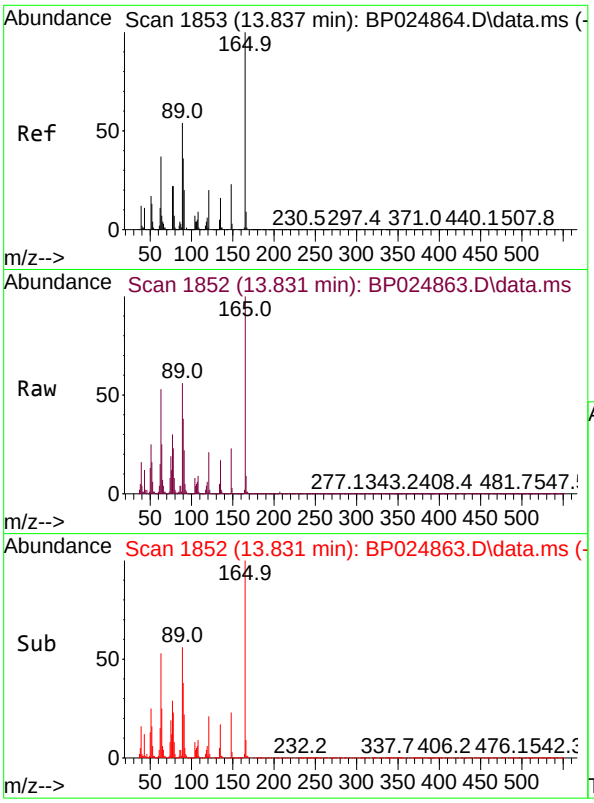


#50
Dimethylphthalate
Concen: 20.354 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:163 Resp: 908091

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 20.490 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

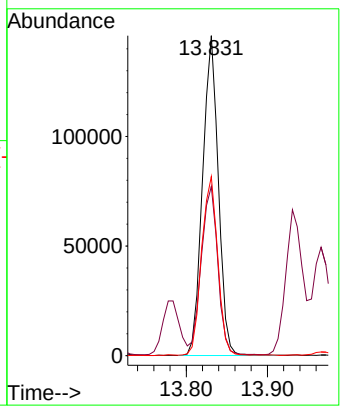
Tgt Ion:165 Resp: 19707

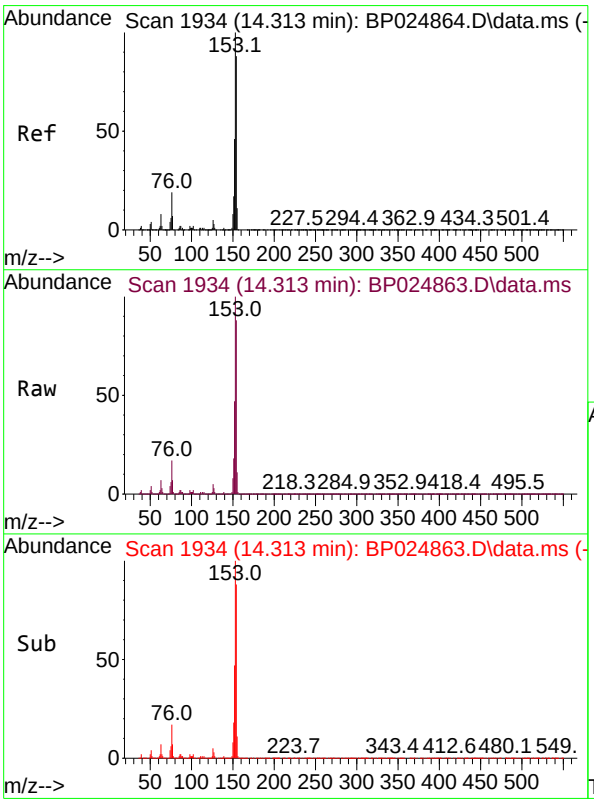
Ion	Ratio	Lower	Upper
165	100		
63	52.9	41.8	62.8
89	55.9	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

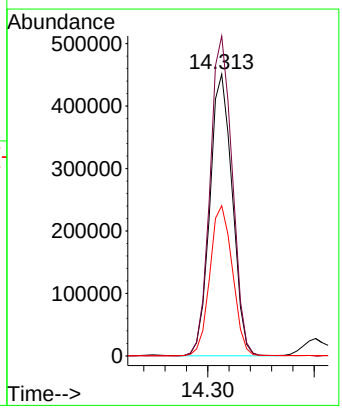


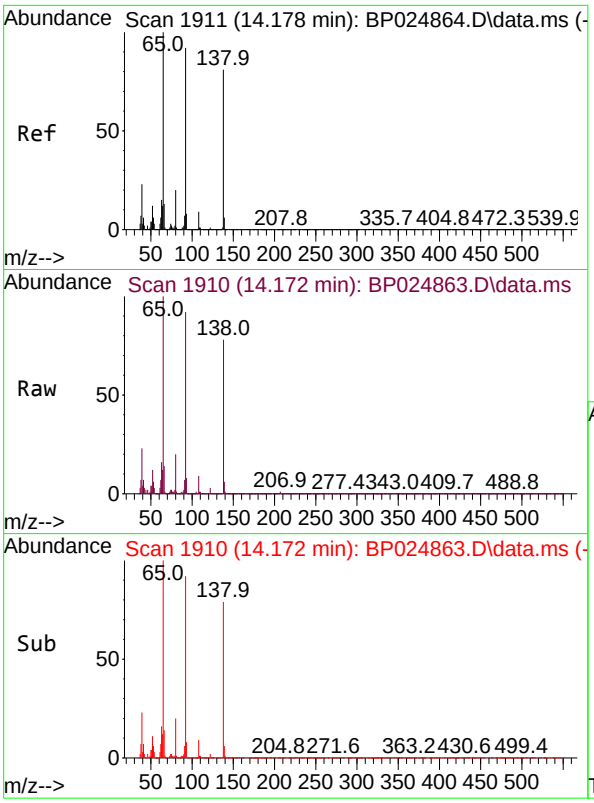


#52
Acenaphthene
Concen: 20.416 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:154 Resp: 658935

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.5	135.7
152	53.3	42.1	63.1

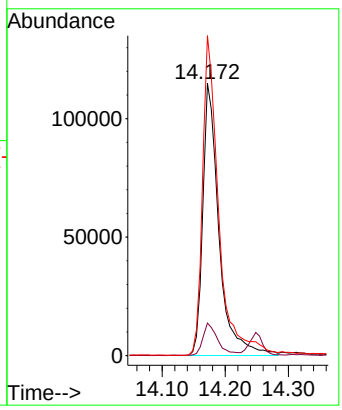




#53
3-Nitroaniline
Concen: 20.442 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:138 Resp: 20403

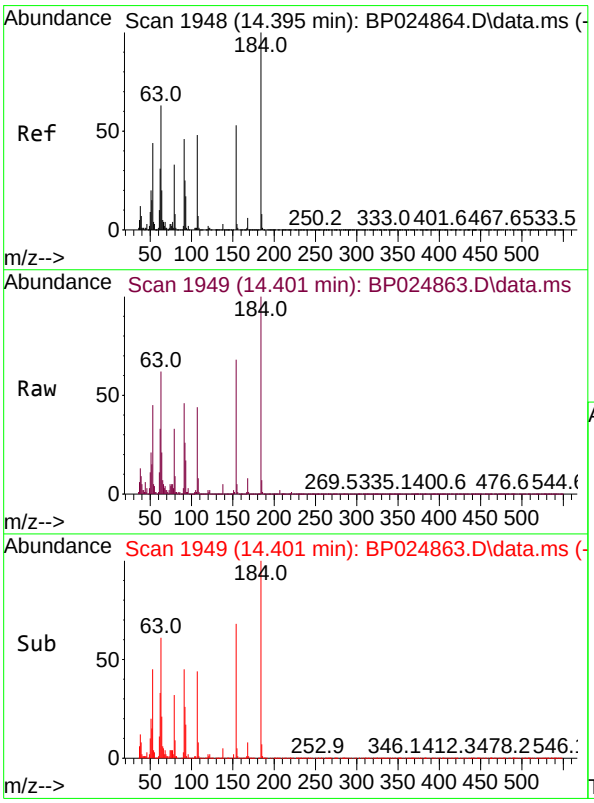
Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.6	12.8
92	117.5	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

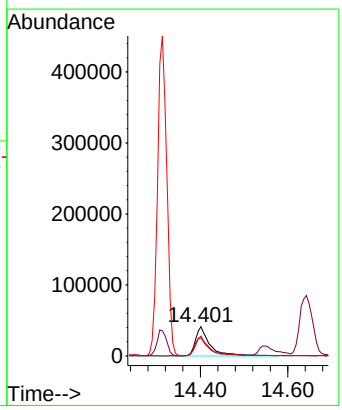
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

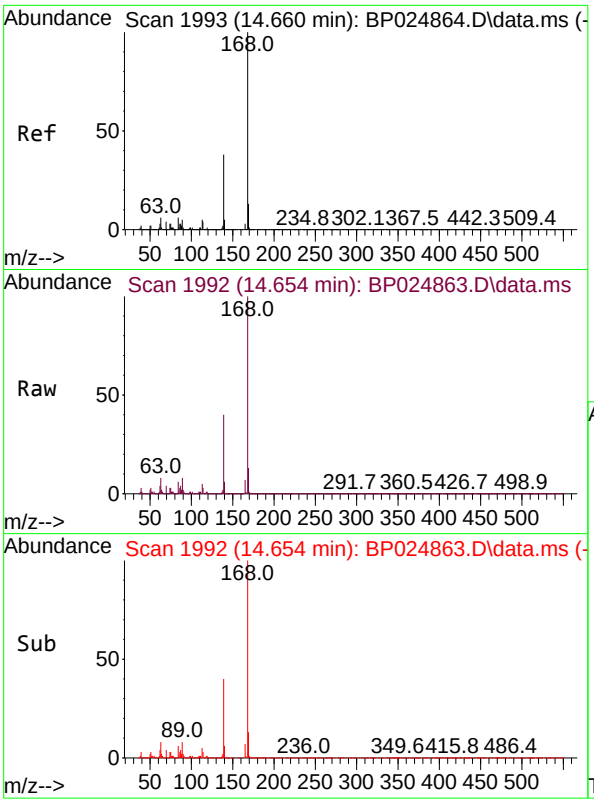


#54
2,4-Dinitrophenol
Concen: 19.461 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:184 Resp: 93544

Ion	Ratio	Lower	Upper
184	100		
63	61.8	51.0	76.4
154	67.7	51.7	77.5

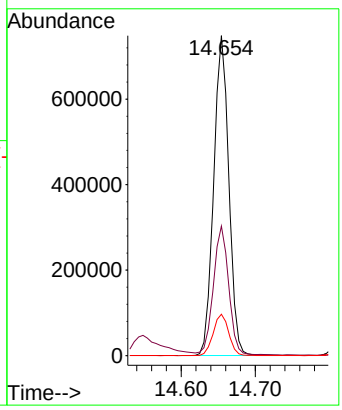




#55
Dibenzofuran
Concen: 20.497 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:168 Resp: 106191

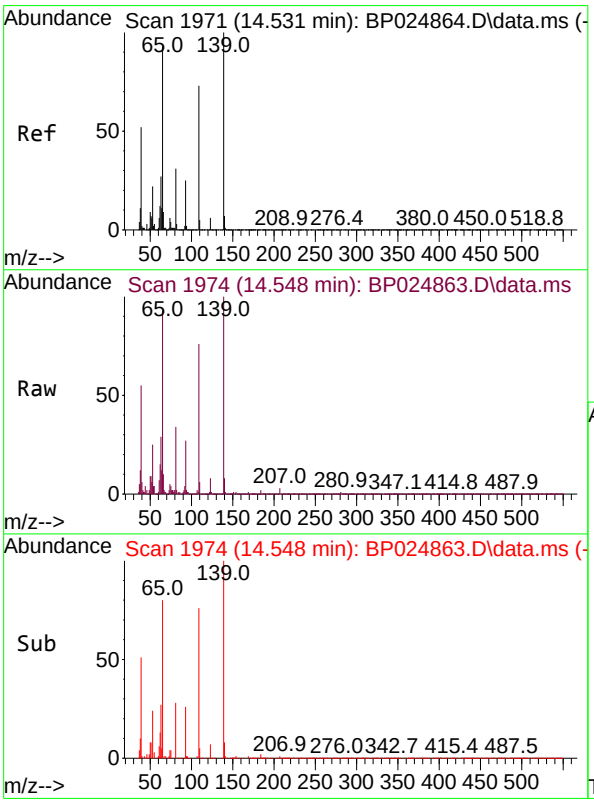
Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.6	47.4
169	12.9	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

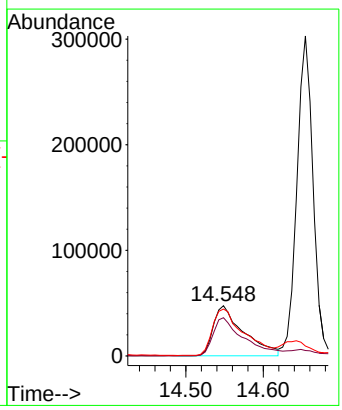
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

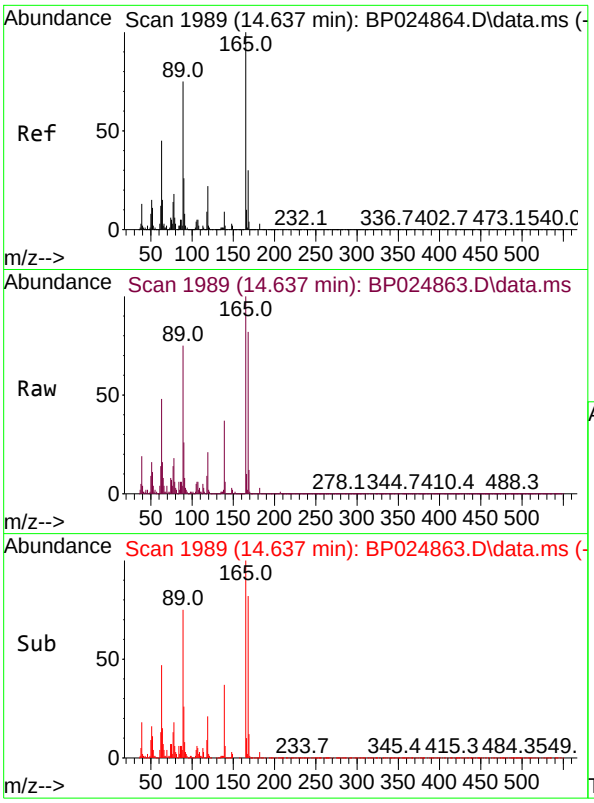


#56
4-Nitrophenol
Concen: 19.619 ng
RT: 14.548 min Scan# 1974
Delta R.T. 0.017 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:139 Resp: 128784

Ion	Ratio	Lower	Upper
139	100		
109	76.0	53.1	93.1
65	93.4	73.0	113.0

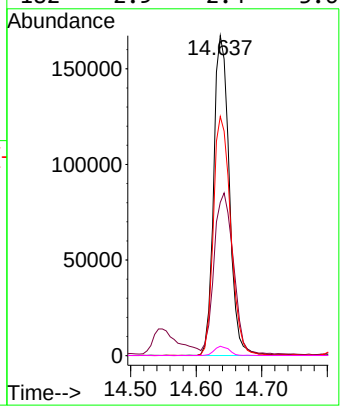




#57
2,4-Dinitrotoluene
Concen: 20.547 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:165 Resp: 27644

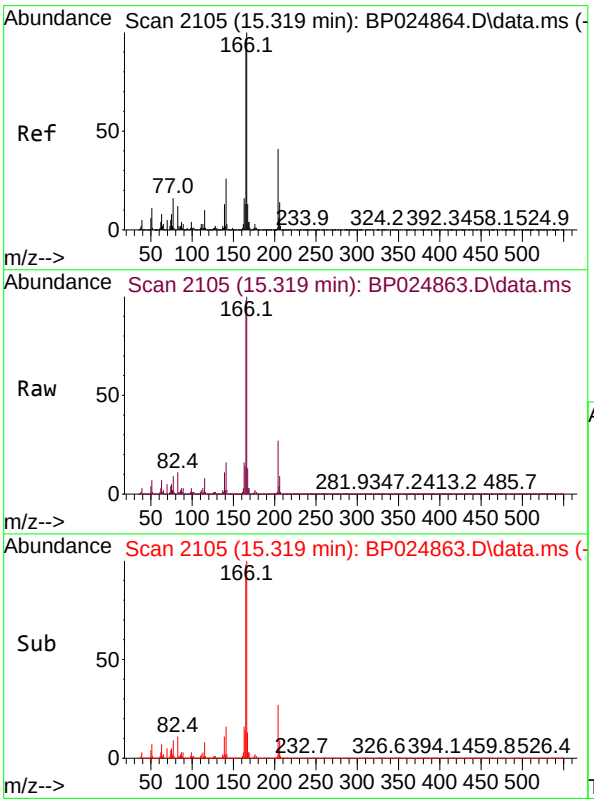
Ion	Ratio	Lower	Upper
165	100		
63	47.9	37.0	55.6
89	74.7	60.1	90.1
182	2.9	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

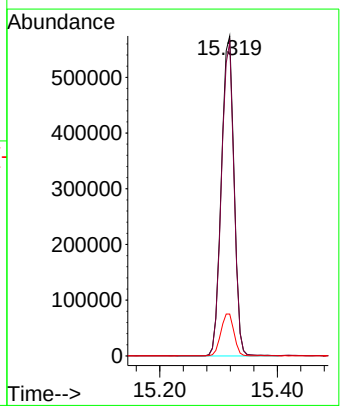
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

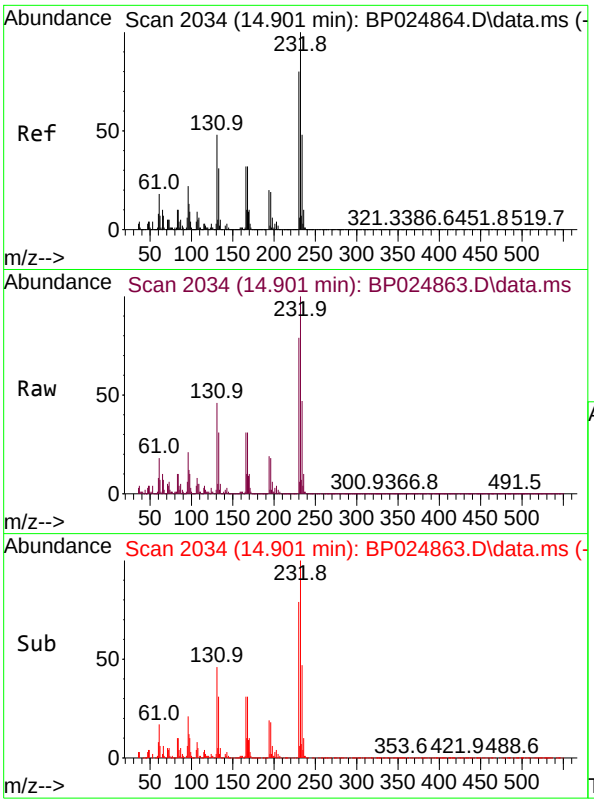


#58
Fluorene
Concen: 20.517 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:166 Resp: 858671

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.7	116.5
167	13.1	10.6	16.0

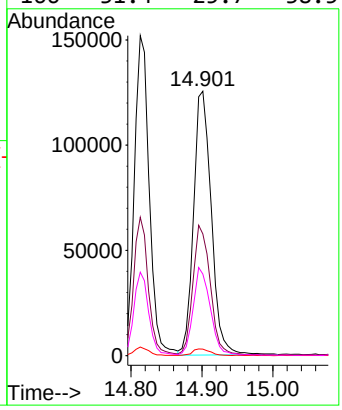




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.689 ng
RT: 14.901 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:232 Resp: 21751

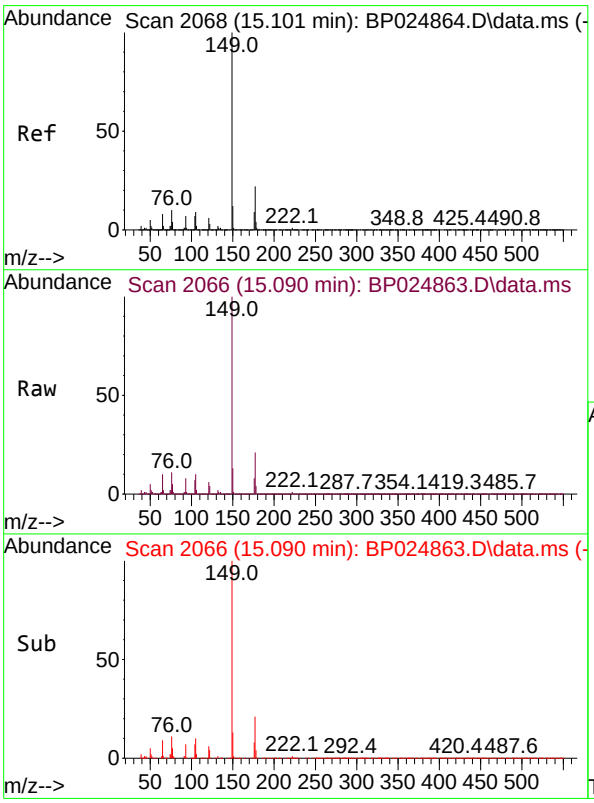
Ion	Ratio	Lower	Upper
232	100		
131	47.8	38.2	57.2
130	2.5	2.1	3.1
166	31.4	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

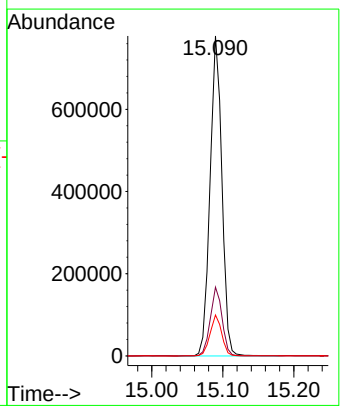
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

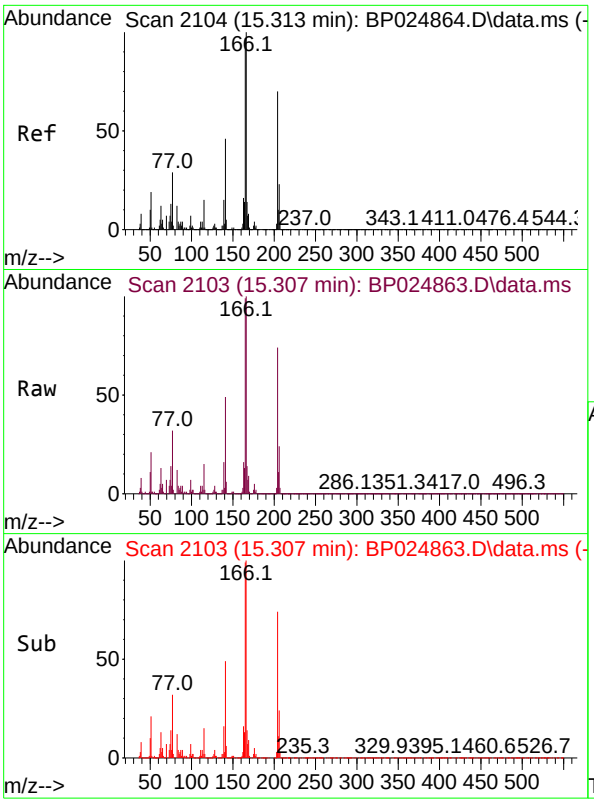


#60
Diethylphthalate
Concen: 20.225 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 899294

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.8	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 20.361 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

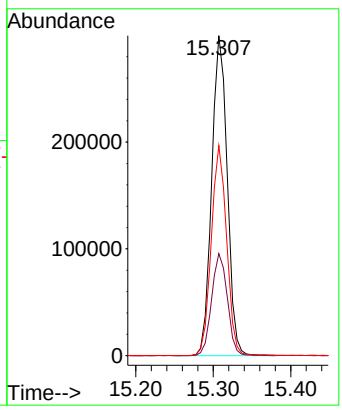
Tgt Ion:204 Resp: 41666

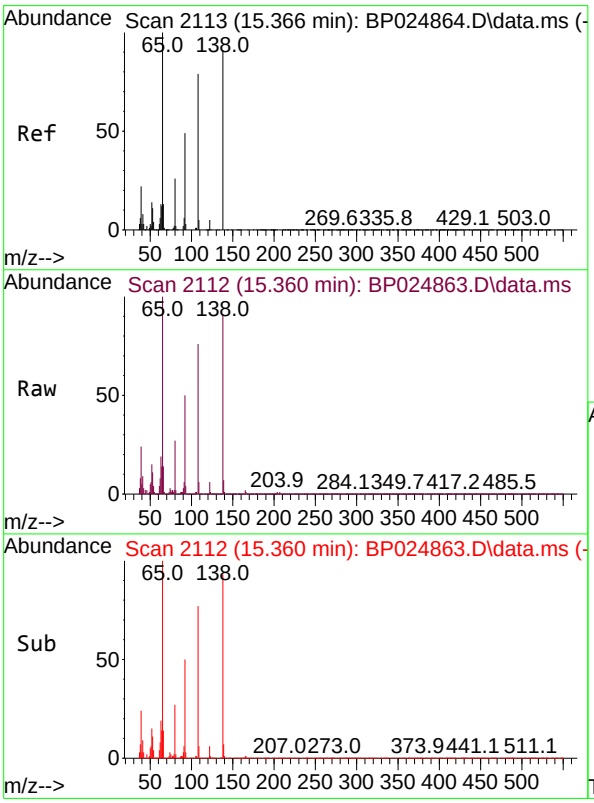
Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	40.0
141	65.6	52.4	78.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

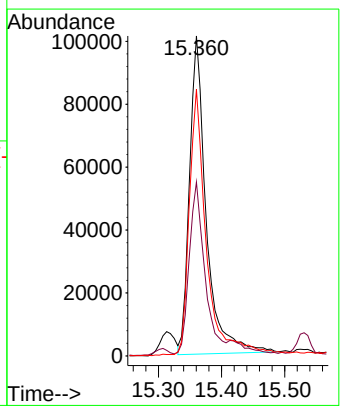


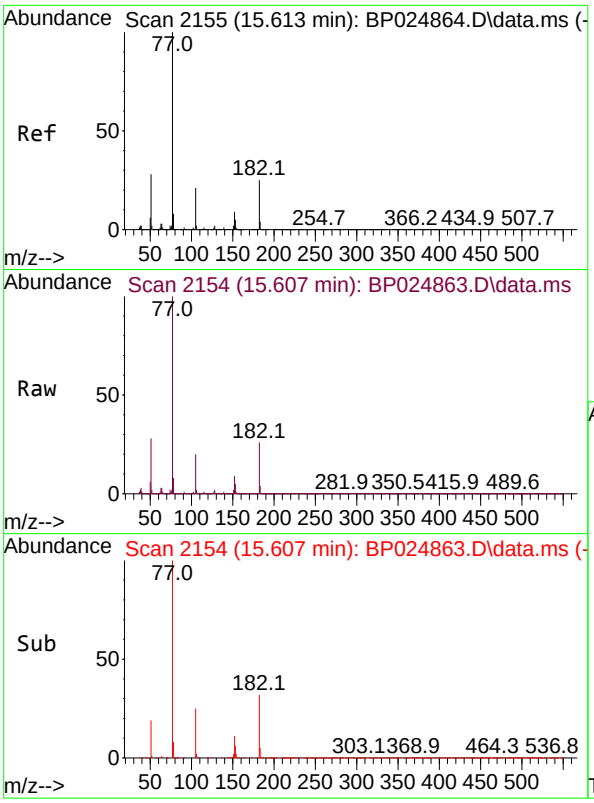


#62
4-Nitroaniline
Concen: 20.523 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:138 Resp: 185839

Ion	Ratio	Lower	Upper
138	100		
92	54.3	33.5	73.5
108	83.3	65.1	105.1

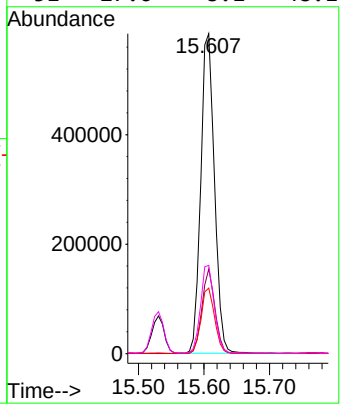




#63
Azobenzene
Concen: 20.675 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 843121

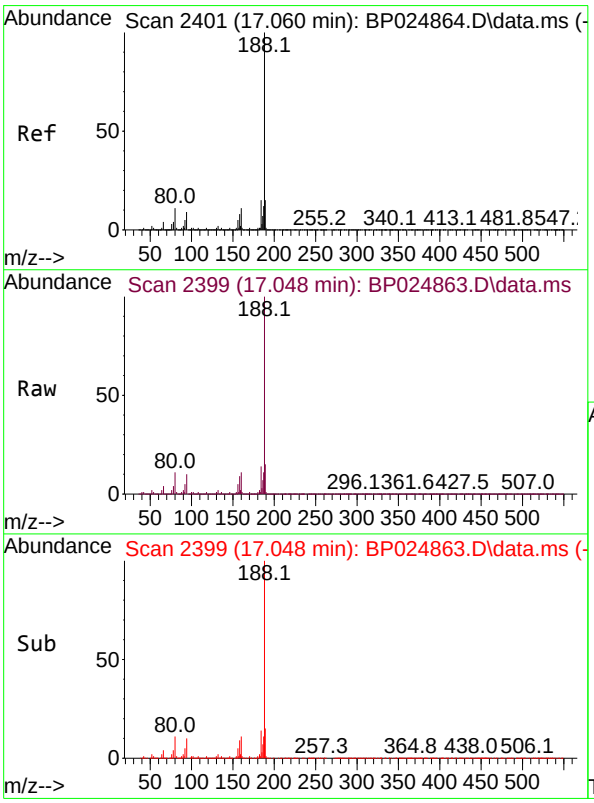
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	20.5	0.8	40.8
51	27.6	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

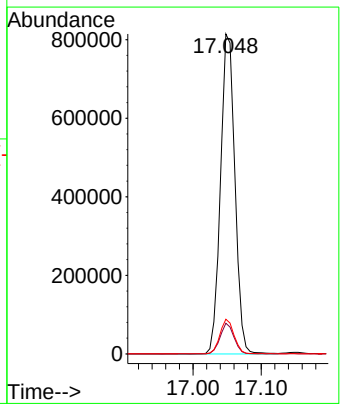
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

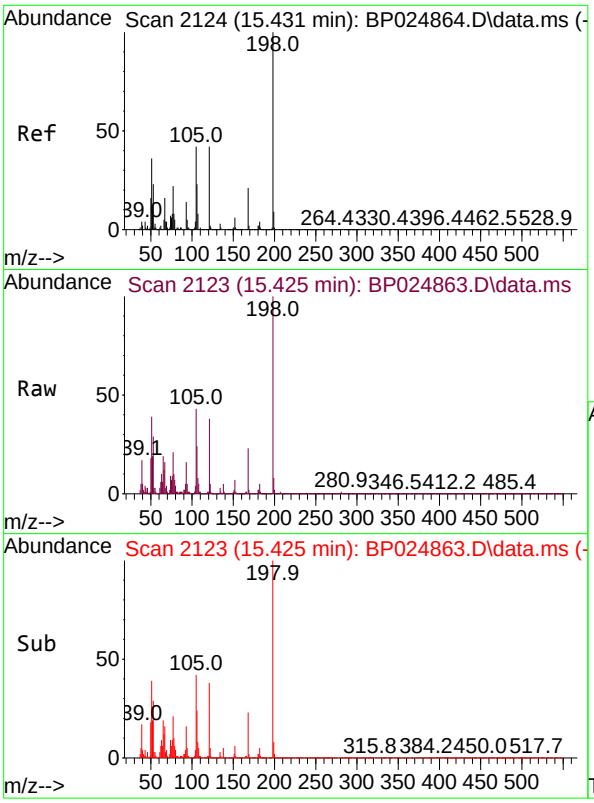


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:188 Resp: 1187838

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.8	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 19.041 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

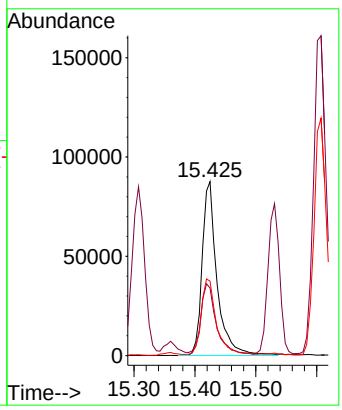
Tgt Ion:198 Resp: 14861

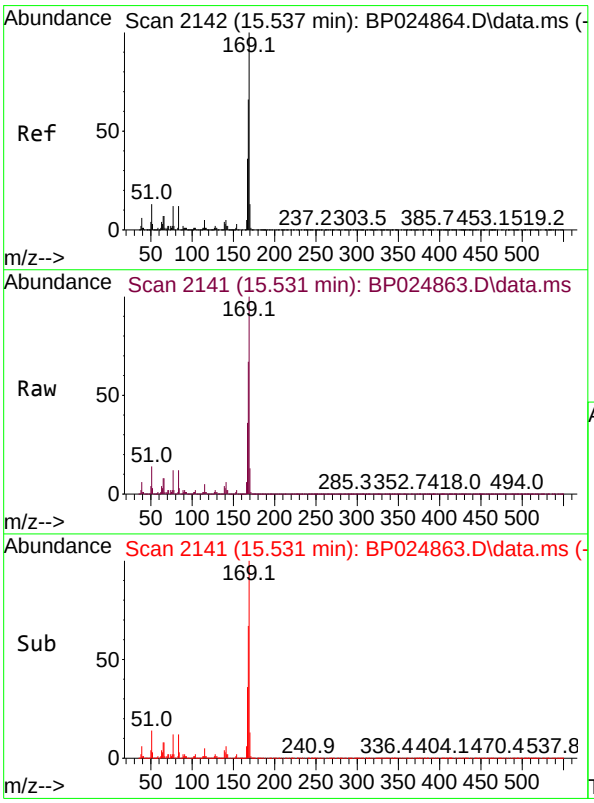
Ion	Ratio	Lower	Upper
198	100		
51	38.9	19.2	59.2
105	42.7	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

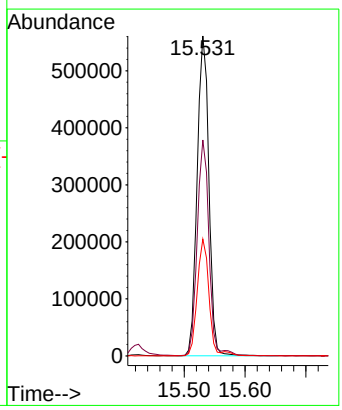


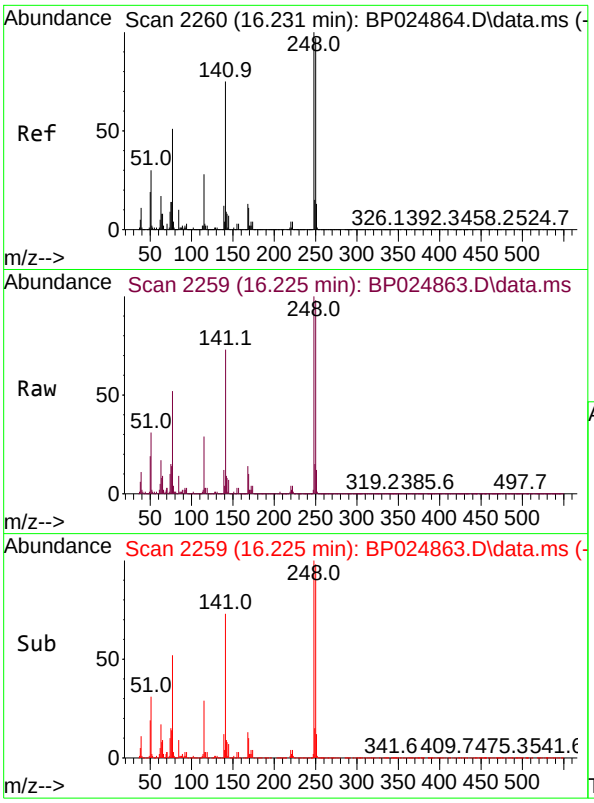


#66
n-Nitrosodiphenylamine
Concen: 20.409 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:169 Resp: 751407

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	36.5	28.6	43.0

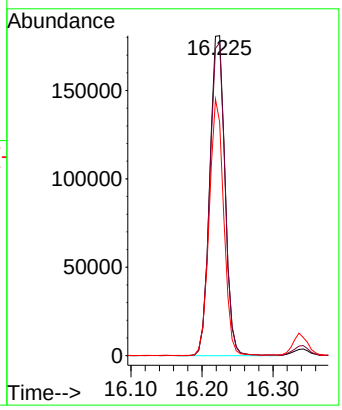




#67
4-Bromophenyl-phenylether
Concen: 20.055 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:248 Resp: 26879

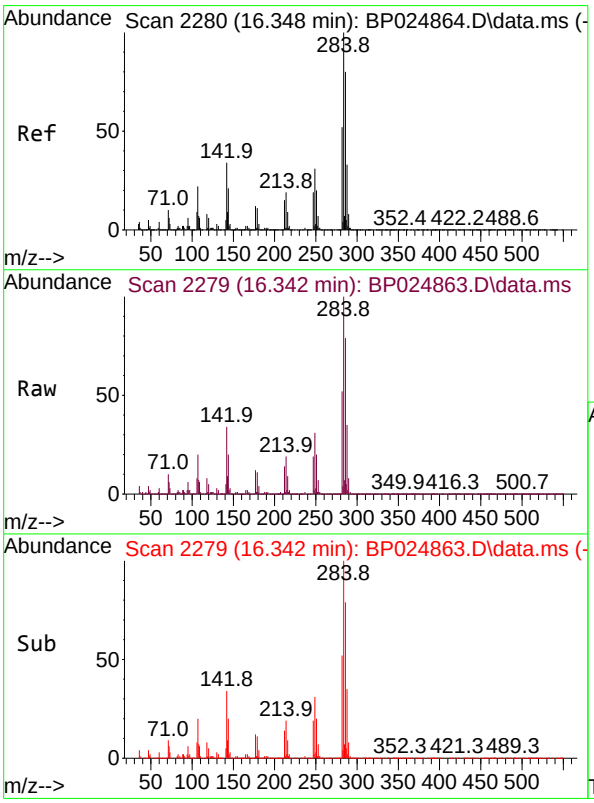
Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.2
141	73.0	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

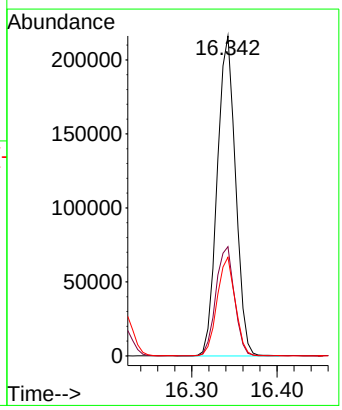
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

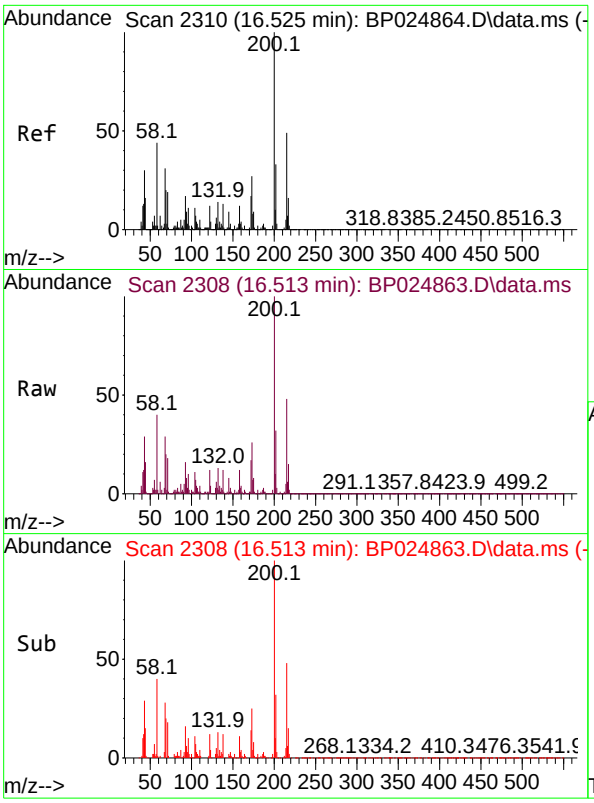


#68
Hexachlorobenzene
Concen: 19.880 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:284 Resp: 323008

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.0	40.6
249	30.8	25.0	37.6

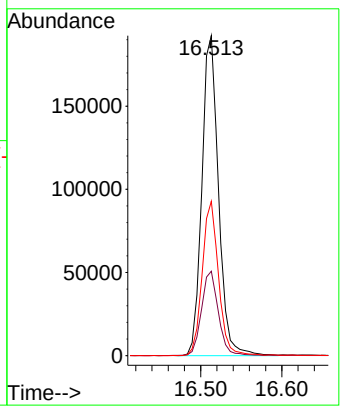




#69
Atrazine
Concen: 20.548 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:200 Resp: 27425

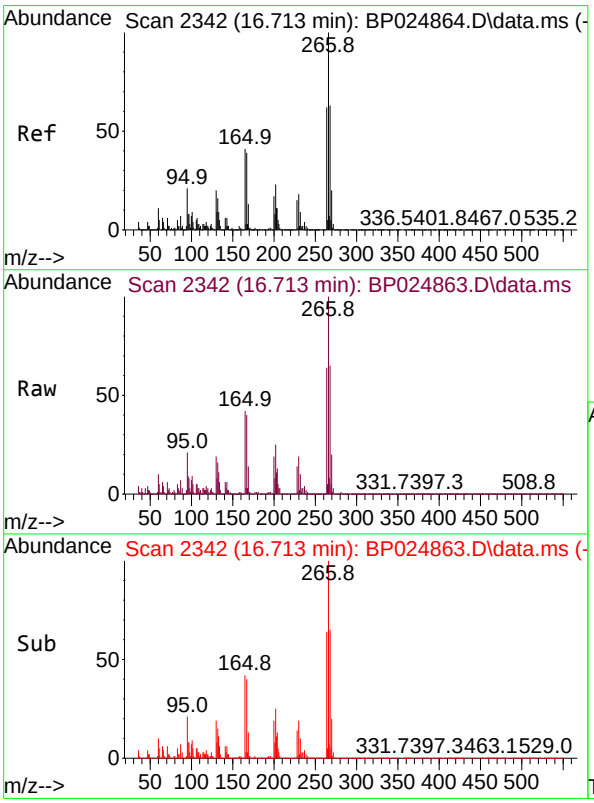
Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.9	46.9
215	48.2	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

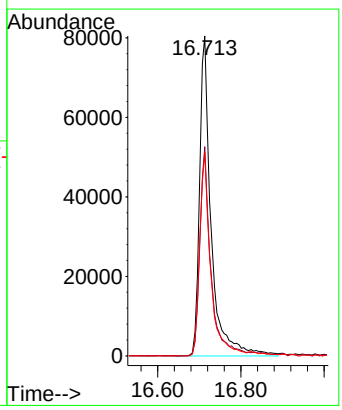
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

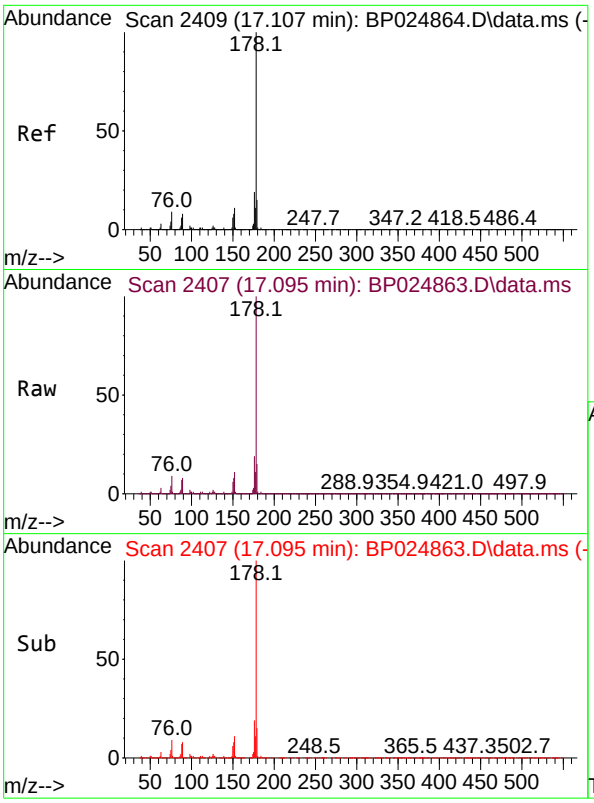


#70
Pentachlorophenol
Concen: 18.505 ng
RT: 16.713 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:266 Resp: 155614

Ion	Ratio	Lower	Upper
266	100		
268	65.4	50.6	76.0
264	63.6	49.7	74.5

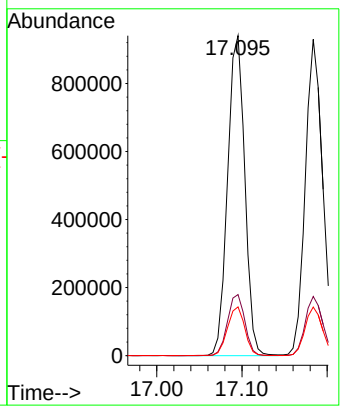




#71
Phenanthrene
Concen: 20.080 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:178 Resp: 131807

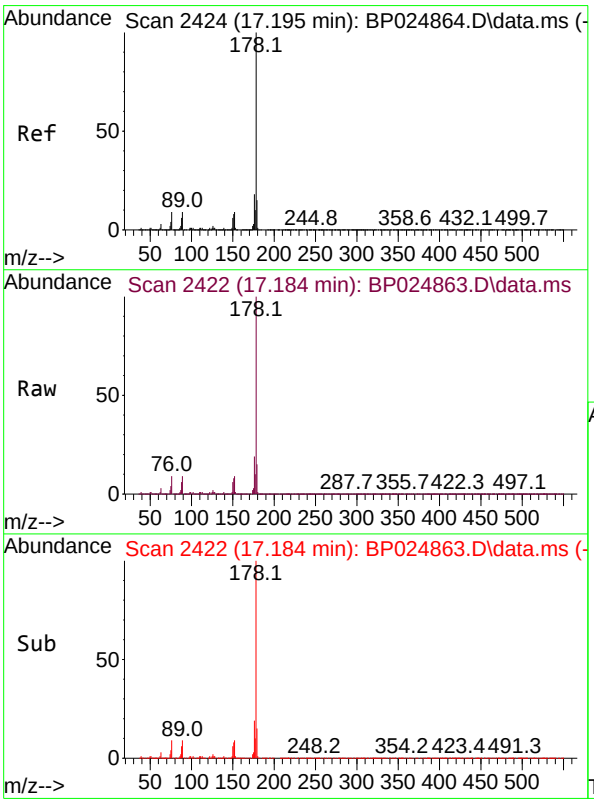
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

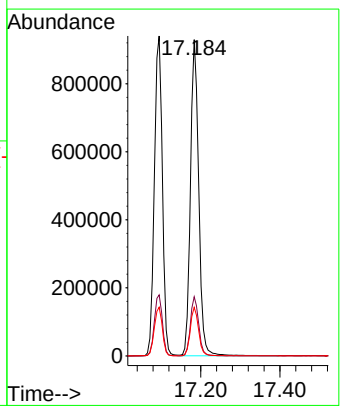
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

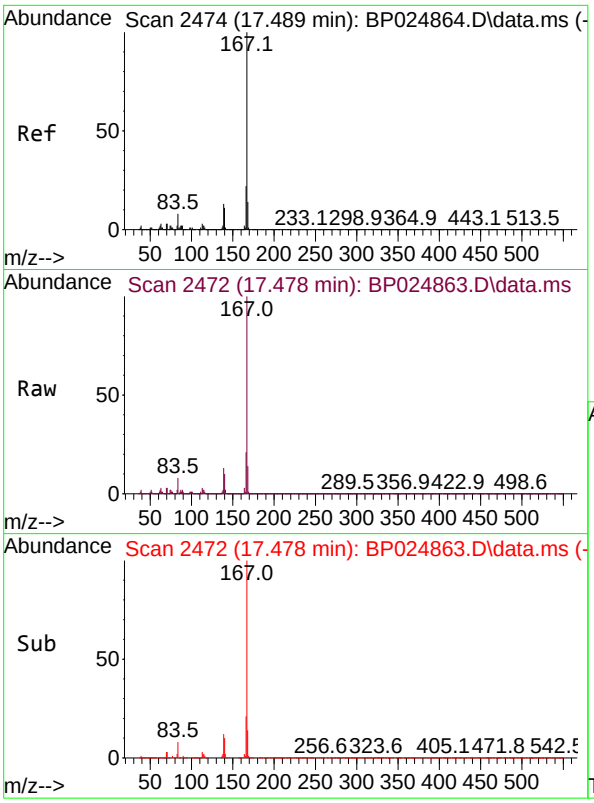


#72
Anthracene
Concen: 20.308 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:178 Resp: 1350106

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.4	12.3	18.5

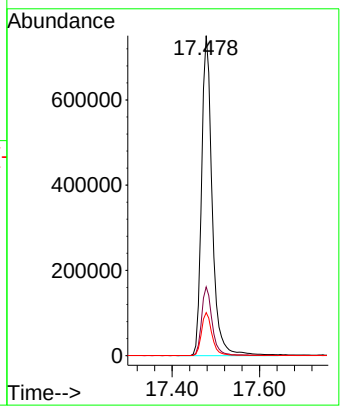




#73
Carbazole
Concen: 20.385 ng
RT: 17.478 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:167 Resp: 125610

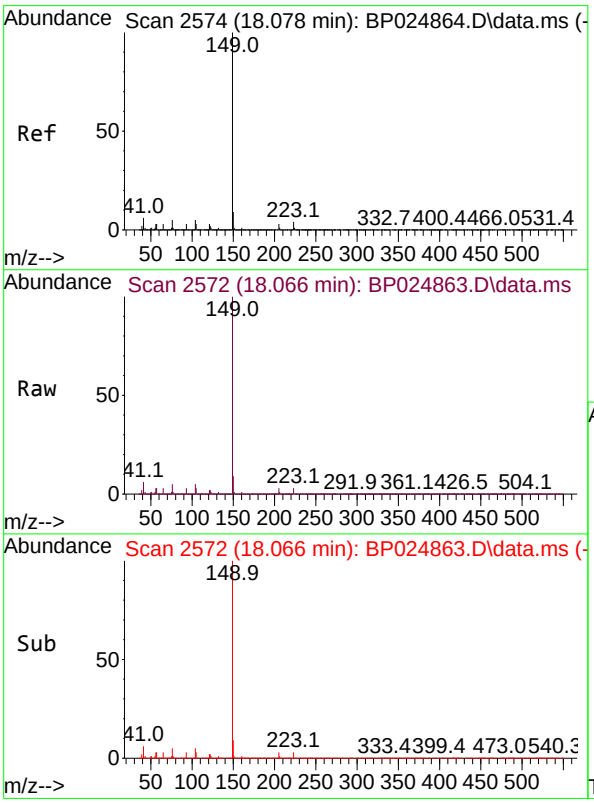
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

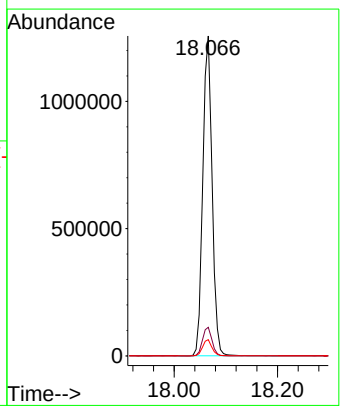
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

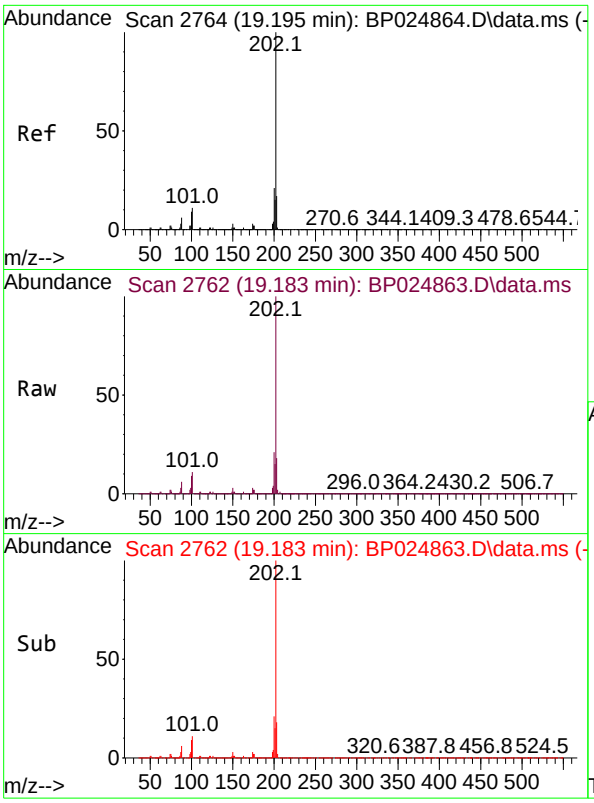


#74
Di-n-butylphthalate
Concen: 20.637 ng
RT: 18.066 min Scan# 2572
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 1575537

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	5.1	4.2	6.2

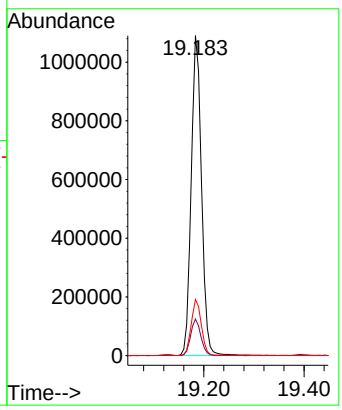




#75
Fluoranthene
Concen: 20.404 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:202 Resp: 155239

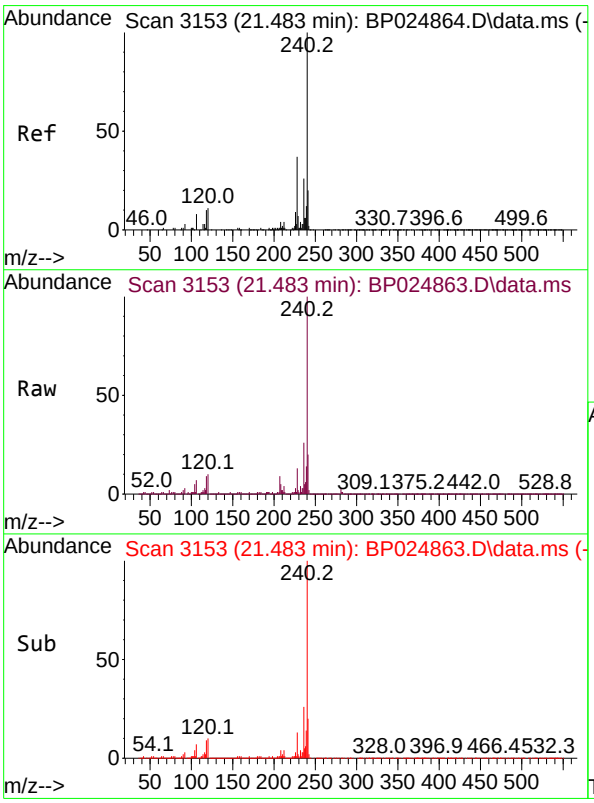
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

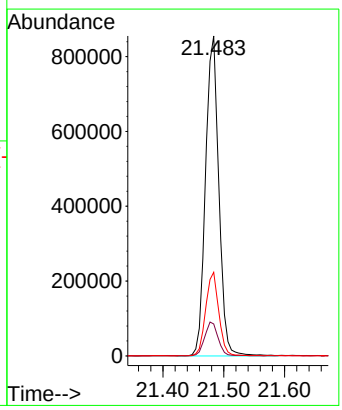
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

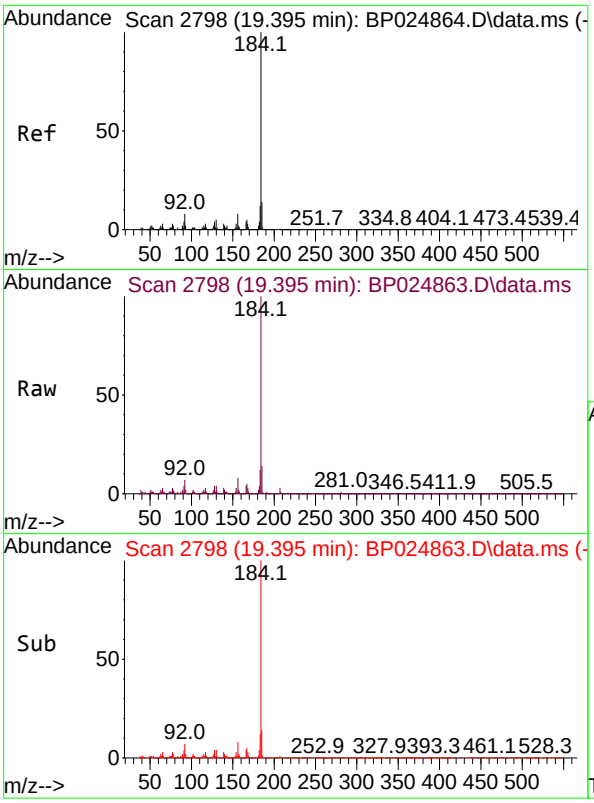


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:240 Resp: 1296607

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	26.1	20.9	31.3

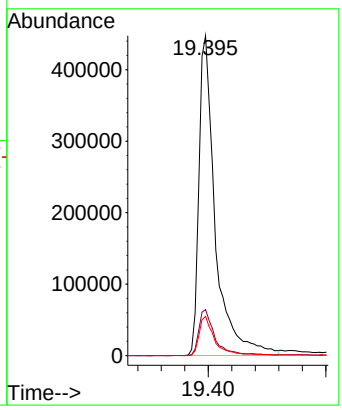




#77
Benzidine
Concen: 21.600 ng
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:184 Resp: 867418

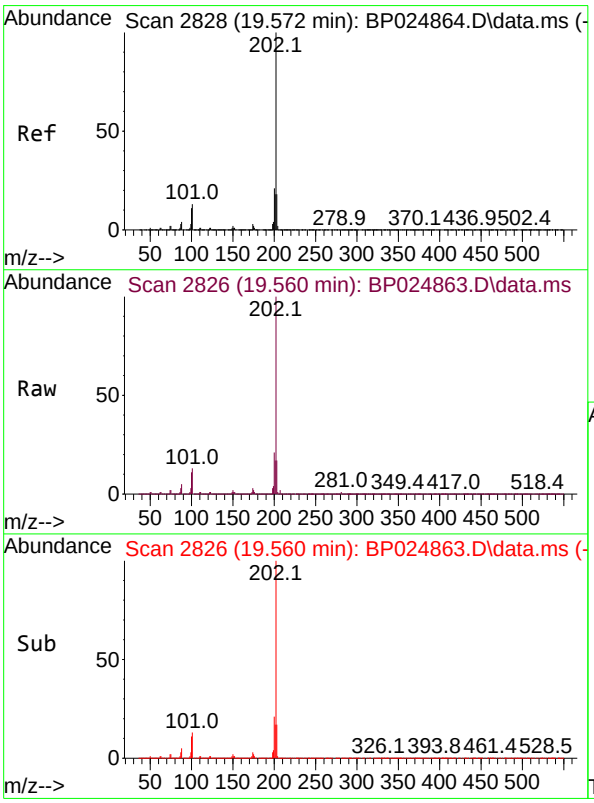
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.0
183	12.3	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

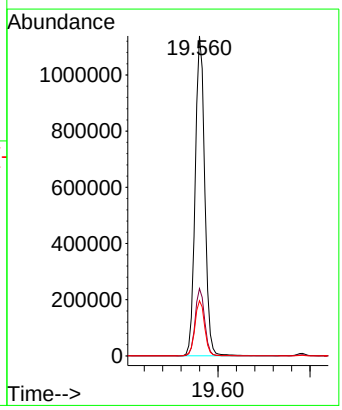
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

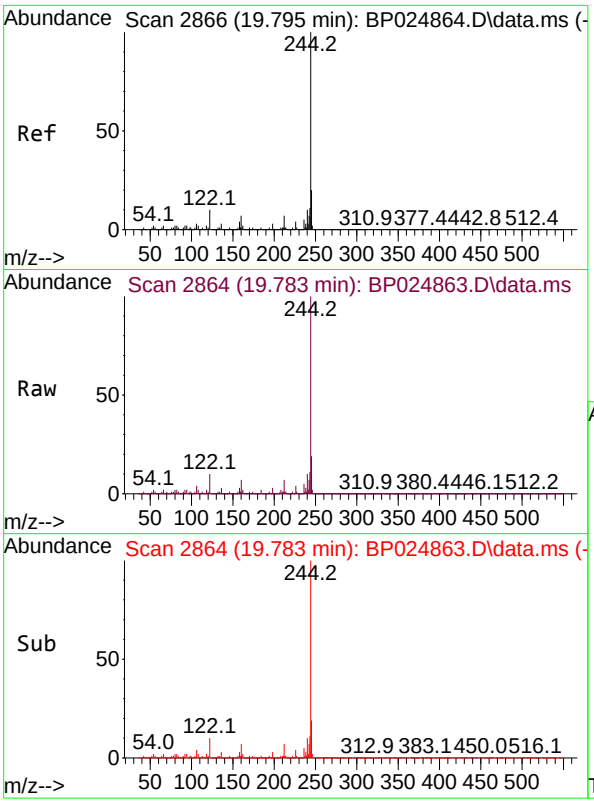


#78
Pyrene
Concen: 20.183 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:202 Resp: 1634896

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.2	14.0	21.0

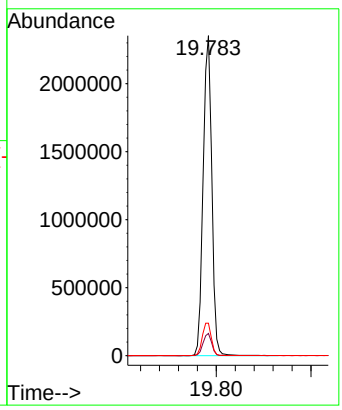




#79
Terphenyl-d14
Concen: 41.093 ng
RT: 19.783 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:244 Resp: 297288

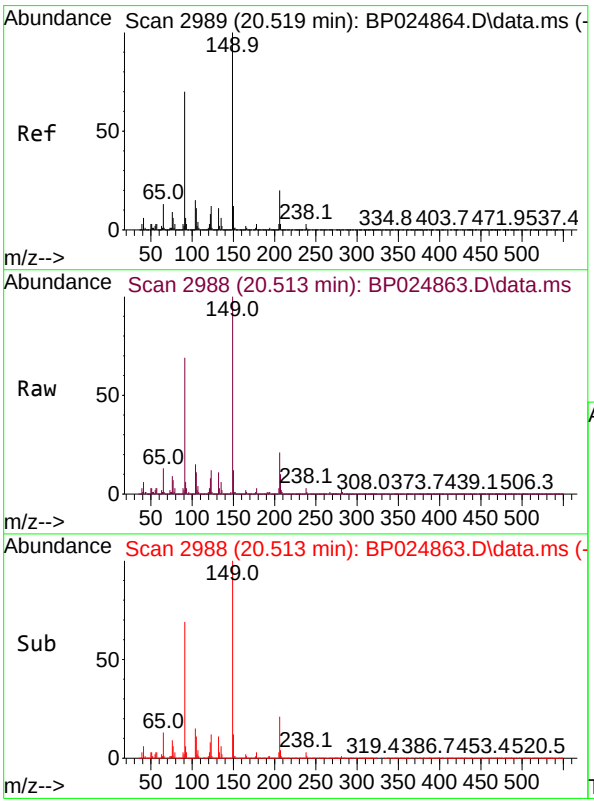
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.1	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

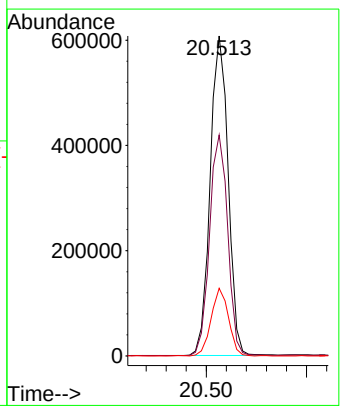
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

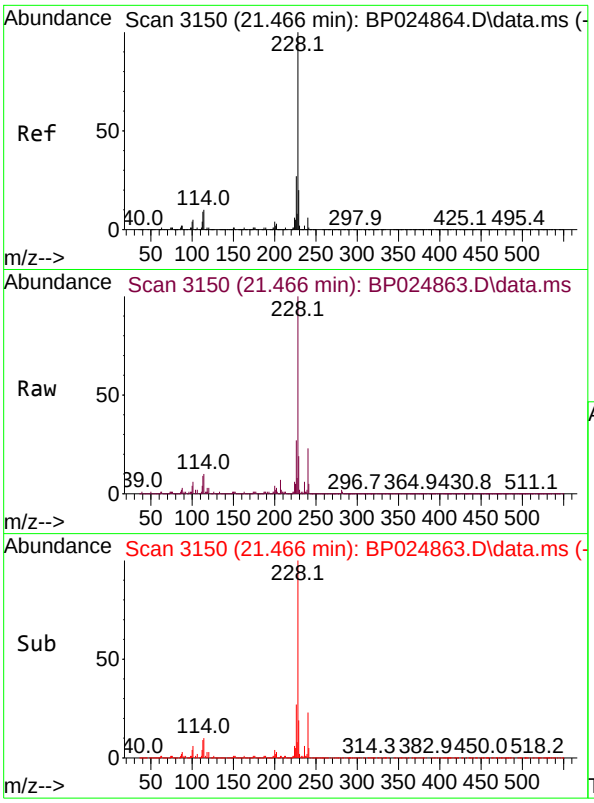


#80
Butylbenzylphthalate
Concen: 20.318 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 753875

Ion	Ratio	Lower	Upper
149	100		
91	69.0	55.8	83.8
206	21.1	16.2	24.2

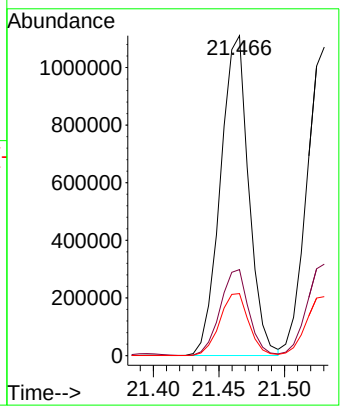




#81
Benzo(a)anthracene
Concen: 20.131 ng
RT: 21.466 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:228 Resp: 166939

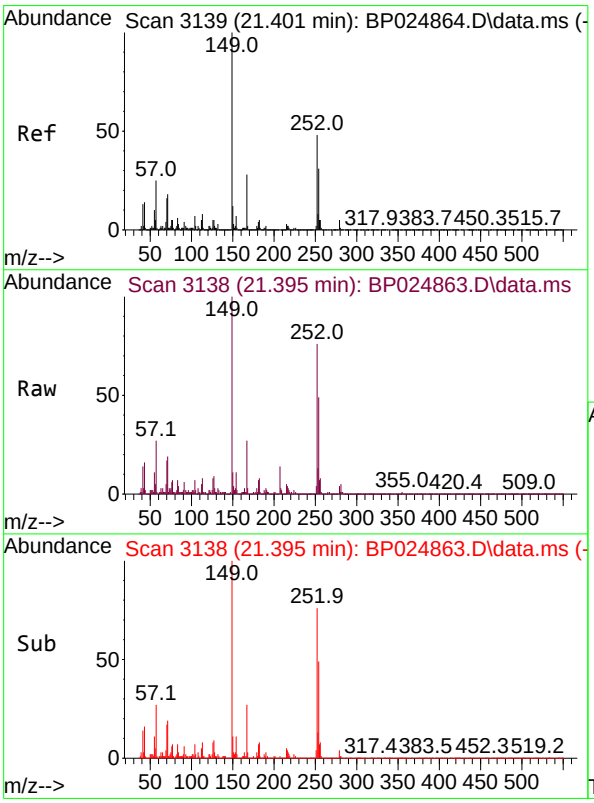
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.4	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

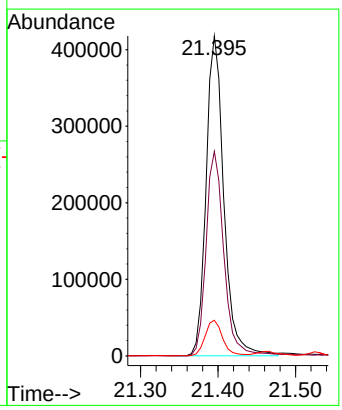
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

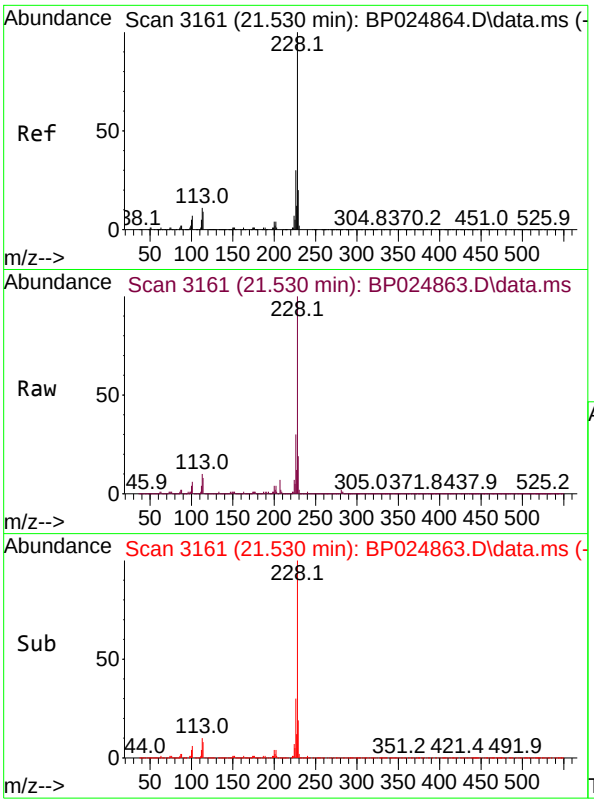


#82
3,3'-Dichlorobenzidine
Concen: 20.185 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 664556

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.2	76.8
126	11.1	8.6	12.8

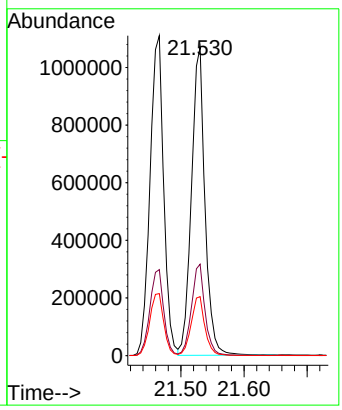




#83
Chrysene
Concen: 20.278 ng
RT: 21.530 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:228 Resp: 159341

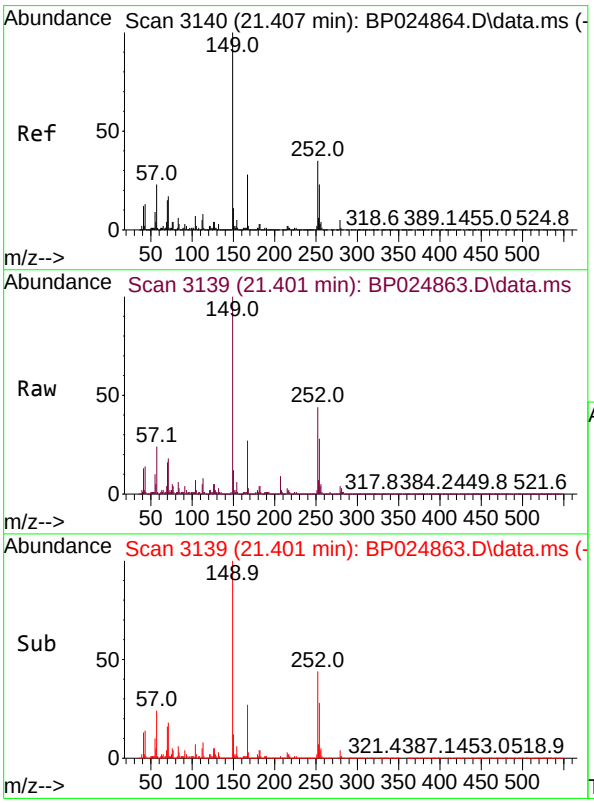
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	19.1	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

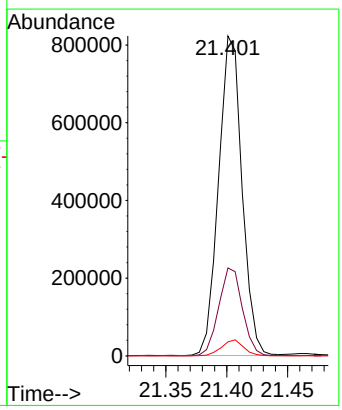
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

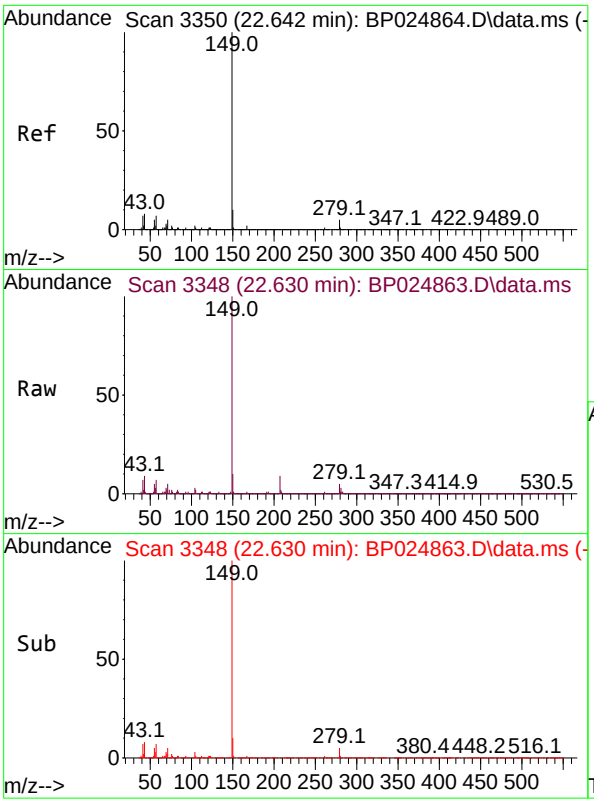


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.638 ng
RT: 21.401 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 1097129

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.4	4.0	6.0

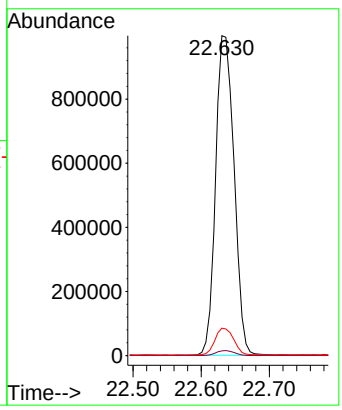




#85
Di-n-octyl phthalate
Concen: 19.903 ng
RT: 22.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 186501

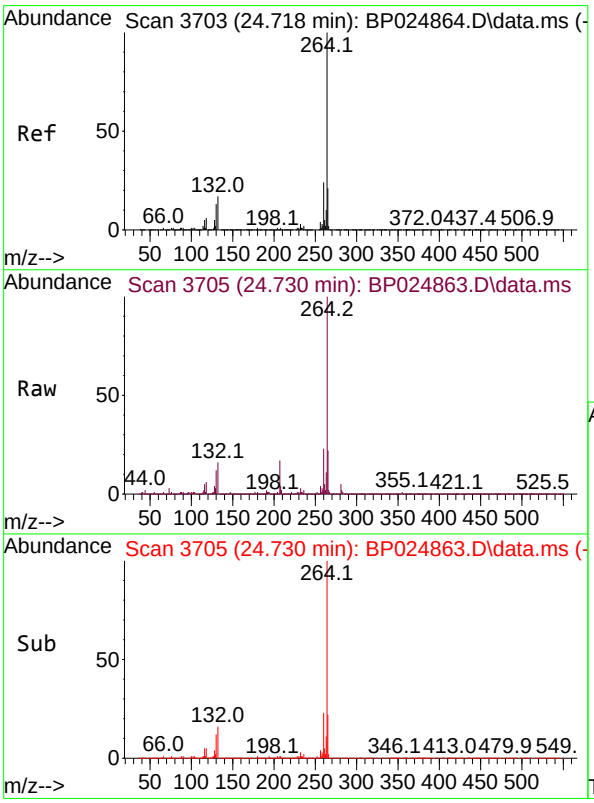
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

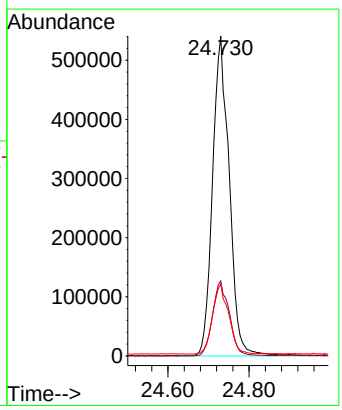
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

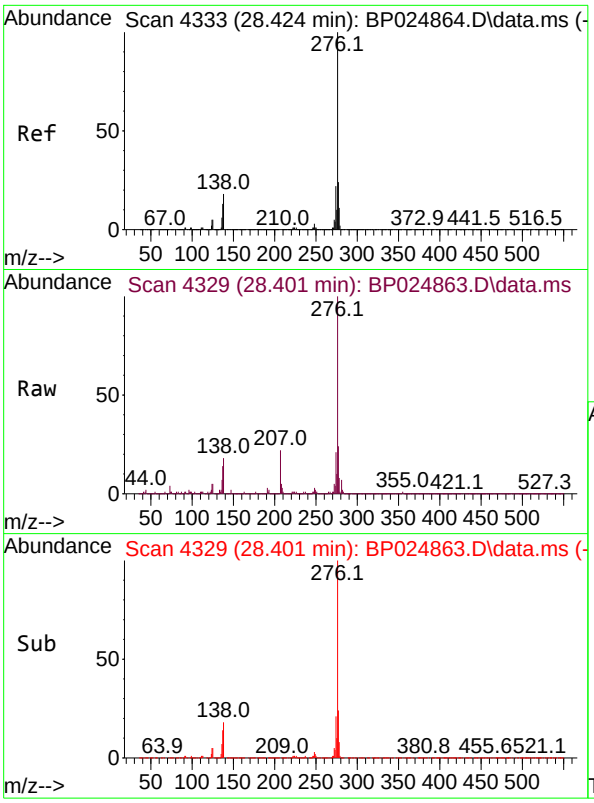


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:264 Resp: 1539603

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.4	17.4	26.0

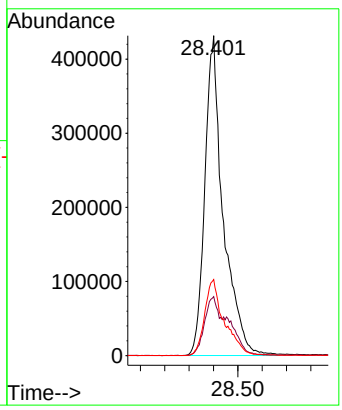




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.129 ng
RT: 28.401 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:276 Resp: 226111

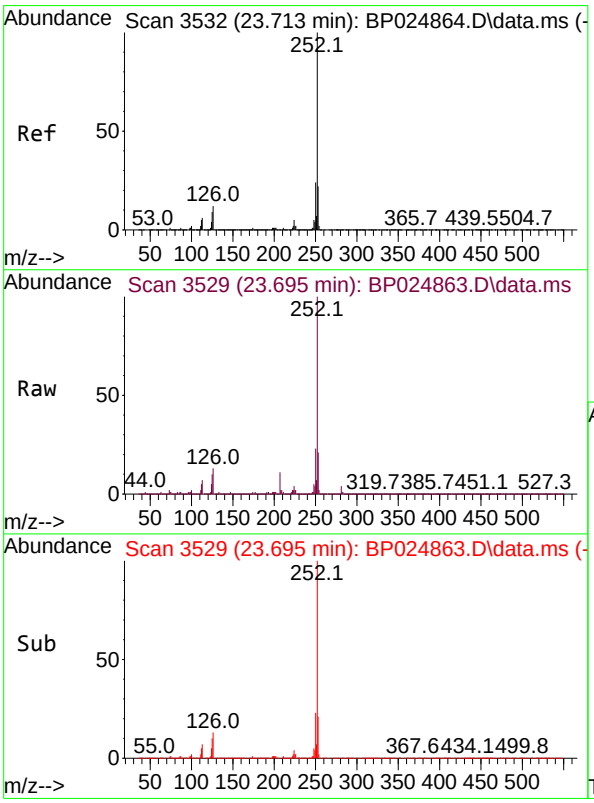
Ion	Ratio	Lower	Upper
276	100		
138	15.0	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

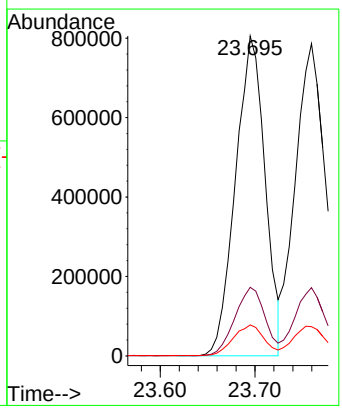
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

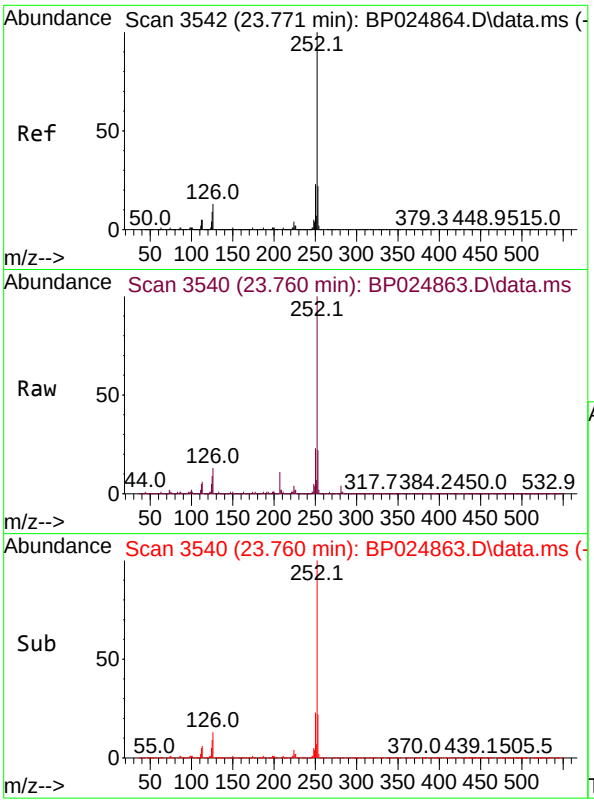


#88
Benzo(b)fluoranthene
Concen: 19.792 ng
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 1743865

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	7.1	10.7

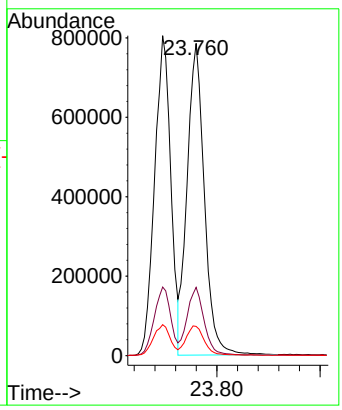




#89
Benzo(k)fluoranthene
Concen: 20.264 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 181750

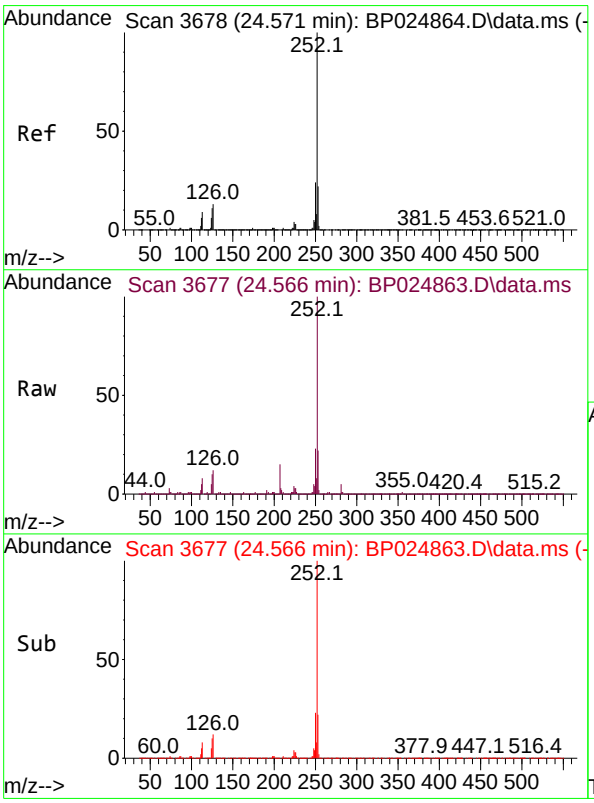
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.4	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

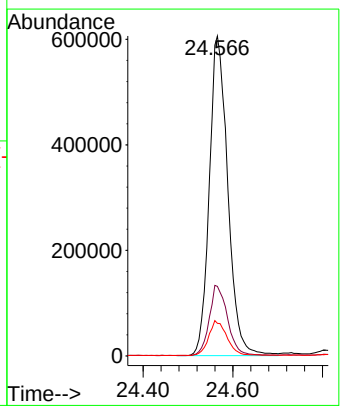
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

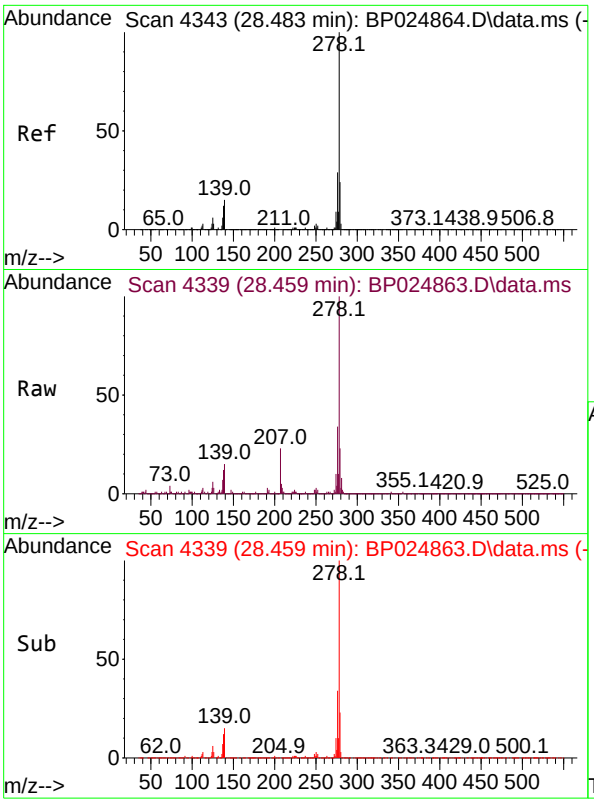


#90
Benzo(a)pyrene
Concen: 20.166 ng
RT: 24.566 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 1735236

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.2	8.8	13.2

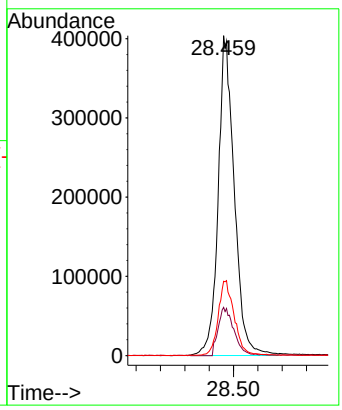




#91
Dibenzo(a,h)anthracene
Concen: 20.237 ng
RT: 28.459 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:278 Resp: 185043

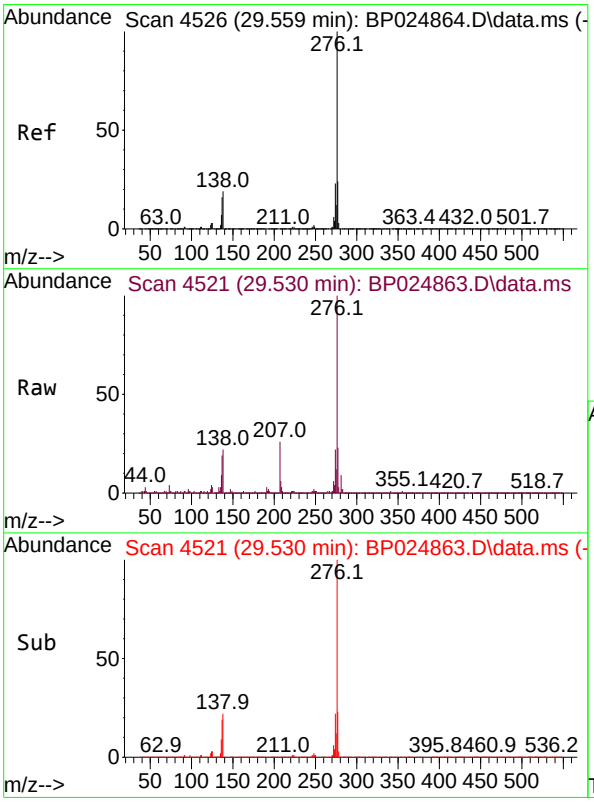
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	23.2	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

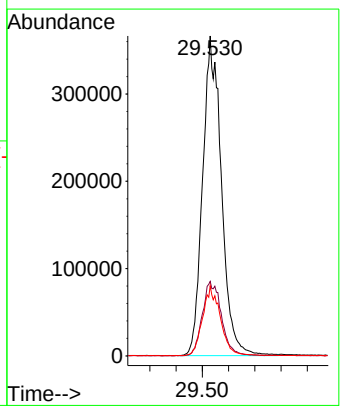
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 20.071 ng
RT: 29.530 min Scan# 4521
Delta R.T. -0.029 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:276 Resp: 1820845

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	21.9	15.4	23.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	251451	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1050030	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	679122	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1306481	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1397384	20.000	ng	0.00
86) Perylene-d12	24.718	264	1643252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1170028	77.670	ng	0.00
7) Phenol-d6	6.814	99	1553699	77.952	ng	0.00
23) Nitrobenzene-d5	8.760	82	1695972	78.486	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	726339	77.359	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	3776115	74.904	ng	0.00
79) Terphenyl-d14	19.795	244	6089552	78.103	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	249102	37.581	ng	100
3) Pyridine	3.567	79	616351	38.665	ng	100
4) n-Nitrosodimethylamine	3.478	42	252432	38.735	ng	100
6) Aniline	6.955	93	994688	39.106	ng	100
8) 2-Chlorophenol	7.190	128	660632	38.685	ng	100
9) Benzaldehyde	6.772	77	439137	38.116	ng	100
10) Phenol	6.843	94	798315	38.853	ng	100
11) bis(2-Chloroethyl)ether	7.049	93	620674	38.406	ng	100
12) 1,3-Dichlorobenzene	7.502	146	716511	37.610	ng	100
13) 1,4-Dichlorobenzene	7.643	146	723440	37.635	ng	100
14) 1,2-Dichlorobenzene	7.961	146	704548	37.326	ng	100
15) Benzyl Alcohol	7.861	79	588293	38.458	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	795933	37.629	ng	100
17) 2-Methylphenol	8.072	107	556193	38.764	ng	100
18) Hexachloroethane	8.672	117	274123	37.878	ng	100
19) n-Nitroso-di-n-propyla...	8.413	70	524279	38.693	ng	100
20) 3+4-Methylphenols	8.402	107	751025	38.365	ng	100
22) Acetophenone	8.431	105	1030093	38.828	ng	100
24) Nitrobenzene	8.802	77	755619	39.362	ng	100
25) Isophorone	9.325	82	1457812	38.927	ng	100
26) 2-Nitrophenol	9.507	139	378834	39.996	ng	100
27) 2,4-Dimethylphenol	9.584	122	635763	39.219	ng	100
28) bis(2-Chloroethoxy)met...	9.802	93	868569	38.880	ng	100
29) 2,4-Dichlorophenol	10.055	162	613013	39.412	ng	100
30) 1,2,4-Trichlorobenzene	10.243	180	665418	37.930	ng	100
31) Naphthalene	10.431	128	2077988	38.617	ng	100
32) Benzoic acid	9.760	122	428303	39.629	ng	100
33) 4-Chloroaniline	10.555	127	893683	39.641	ng	100
34) Hexachlorobutadiene	10.707	225	407084	38.500	ng	100
35) Caprolactam	11.349	113	230696	40.293	ng	100
36) 4-Chloro-3-methylphenol	11.701	107	715549	39.885	ng	100
37) 2-Methylnaphthalene	12.049	142	1330251	38.973	ng	100
38) 1-Methylnaphthalene	12.266	142	1408803	38.606	ng	100
40) 1,2,4,5-Tetrachloroben...	12.419	216	731245	37.947	ng	100
41) Hexachlorocyclopentadiene	12.396	237	457226	38.901	ng	100
43) 2,4,6-Trichlorophenol	12.678	196	509510	39.371	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

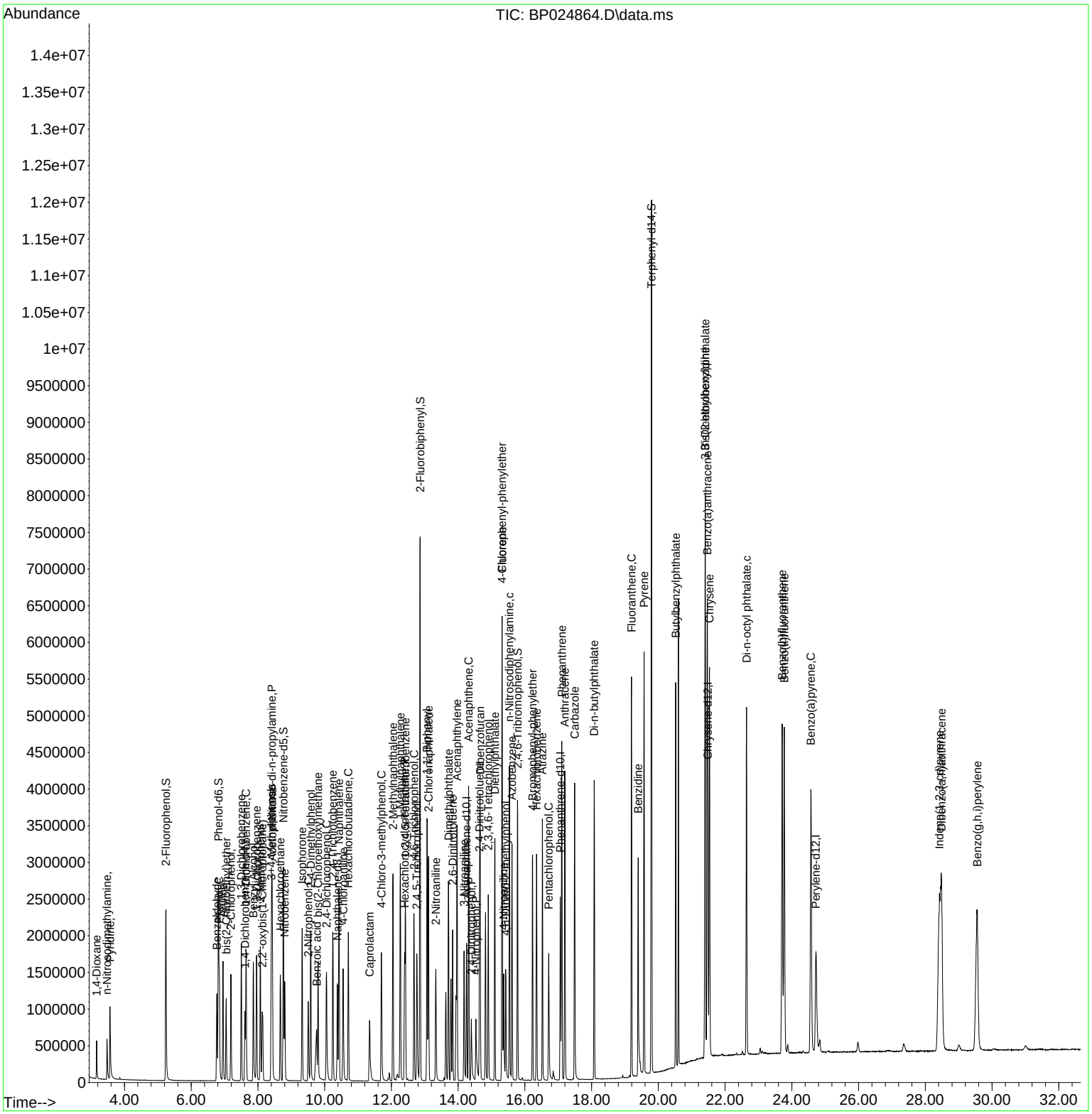
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	550432	39.715	ng	100
46) 1,1'-Biphenyl	13.066	154	1882196	38.137	ng	100
47) 2-Chloronaphthalene	13.113	162	1451679	38.270	ng	100
48) 2-Nitroaniline	13.331	65	470289	40.328	ng	100
49) Acenaphthylene	13.966	152	2400804	37.959	ng	100
50) Dimethylphthalate	13.713	163	1902136	37.969	ng	100
51) 2,6-Dinitrotoluene	13.837	165	424228	39.280	ng	100
52) Acenaphthene	14.313	154	1386007	38.243	ng	100
53) 3-Nitroaniline	14.178	138	459200	40.971	ng	100
54) 2,4-Dinitrophenol	14.395	184	242575	37.658	ng	100
55) Dibenzofuran	14.660	168	2209494	37.980	ng	100
56) 4-Nitrophenol	14.531	139	336462	38.472	ng	100
57) 2,4-Dinitrotoluene	14.637	165	593534	39.287	ng	100
58) Fluorene	15.319	166	1771367	37.692	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.901	232	480983	38.773	ng	100
60) Diethylphthalate	15.101	149	1891525	37.885	ng	100
61) 4-Chlorophenyl-phenyle...	15.313	204	864669	37.629	ng	100
62) 4-Nitroaniline	15.366	138	422311	41.533	ng	100
63) Azobenzene	15.613	77	1765553	38.557	ng	100
65) 4,6-Dinitro-2-methylph...	15.431	198	339975	39.602	ng	100
66) n-Nitrosodiphenylamine	15.537	169	1559739	38.517	ng	100
67) 4-Bromophenyl-phenylether	16.231	248	556600	37.758	ng	100
68) Hexachlorobenzene	16.348	284	680613	38.085	ng	100
69) Atrazine	16.525	200	567988	38.691	ng	100
70) Pentachlorophenol	16.713	266	362165	39.157	ng	100
71) Phenanthrene	17.107	178	2760162	38.231	ng	100
72) Anthracene	17.195	178	2799870	38.291	ng	100
73) Carbazole	17.489	167	2607544	38.474	ng	100
74) Di-n-butylphthalate	18.078	149	3324411	39.589	ng	100
75) Fluoranthene	19.195	202	3194654	38.177	ng	100
77) Benzidine	19.395	184	1825007	42.168	ng	100
78) Pyrene	19.572	202	3309259	37.906	ng	100
80) Butylbenzylphthalate	20.519	149	1569262	39.243	ng	100
81) Benzo(a)anthracene	21.466	228	3407877	38.131	ng	100
82) 3,3'-Dichlorobenzidine	21.401	252	1377414	38.820	ng	100
83) Chrysene	21.530	228	3196624	37.748	ng	100
84) Bis(2-ethylhexyl)phtha...	21.407	149	2227904	38.886	ng	100
85) Di-n-octyl phthalate	22.642	149	3868411	38.306	ng	100
87) Indeno(1,2,3-cd)pyrene	28.424	276	4640451	38.704	ng	100
88) Benzo(b)fluoranthene	23.713	252	3704546	39.393	ng	100
89) Benzo(k)fluoranthene	23.771	252	3635617	37.979	ng	100
90) Benzo(a)pyrene	24.571	252	3516755	38.291	ng	100
91) Dibenzo(a,h)anthracene	28.483	278	3757160	38.499	ng	100
92) Benzo(g,h,i)perylene	29.559	276	3734621	38.569	ng	100

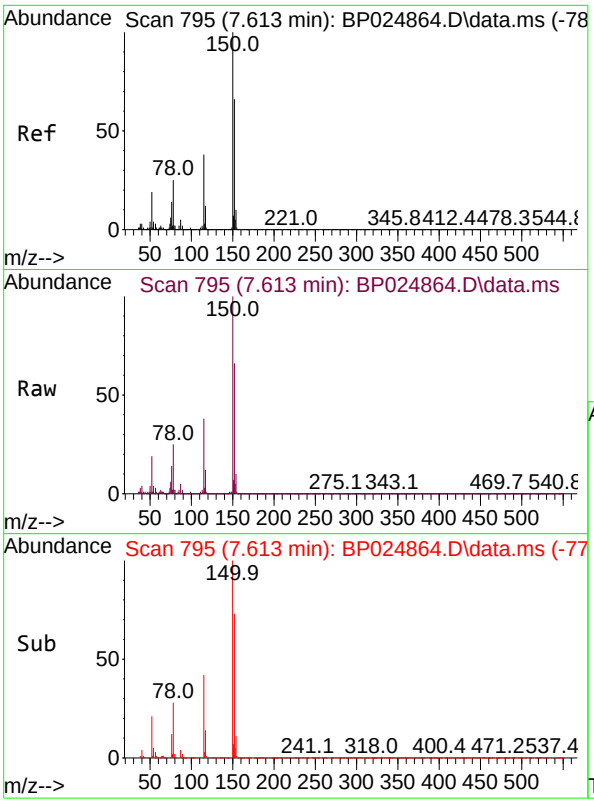
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



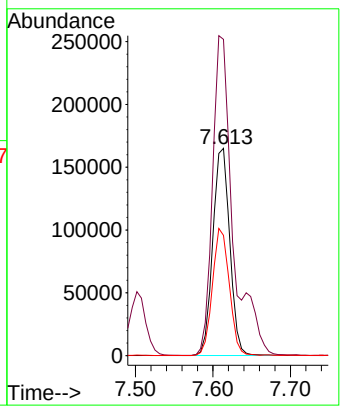


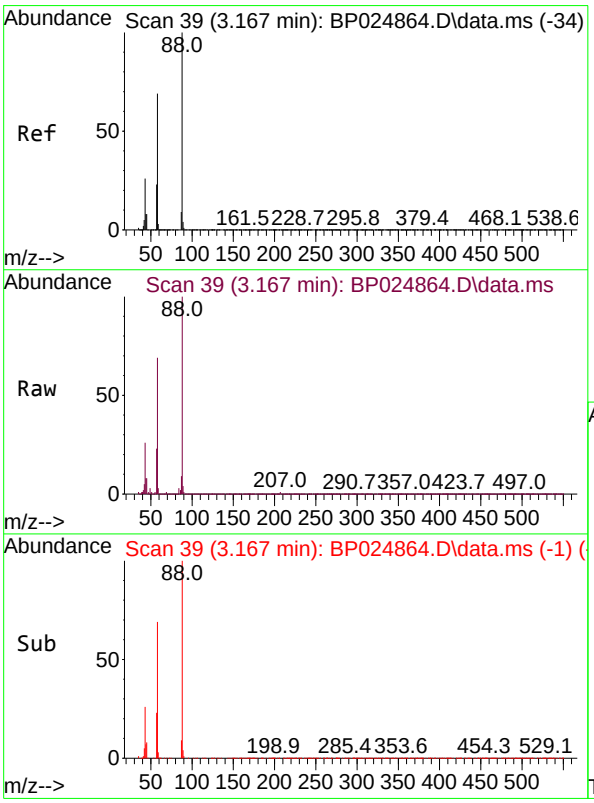
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 251451

Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.1	183.1
115	58.0	46.4	69.6

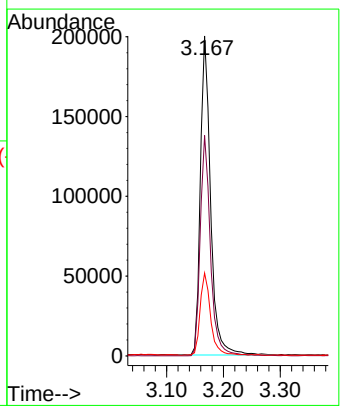


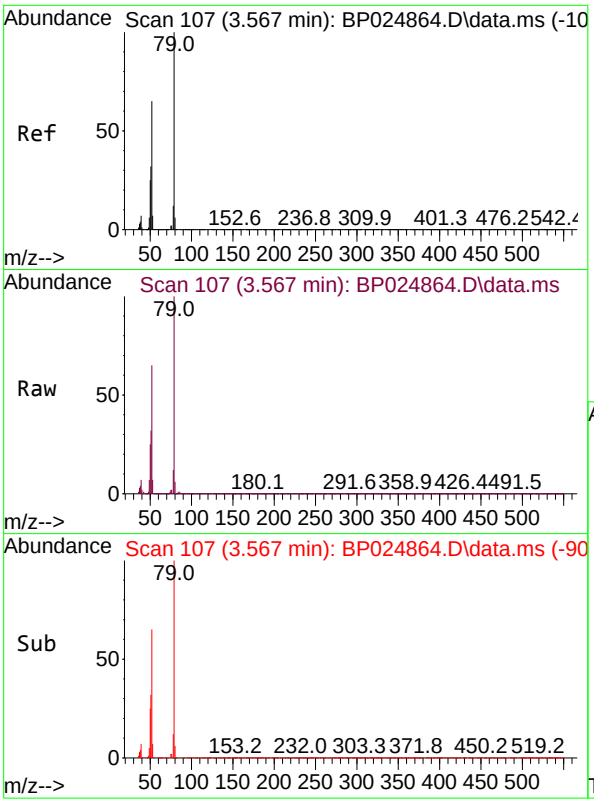


#2
1,4-Dioxane
Concen: 37.581 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 88 Resp: 249102

Ion	Ratio	Lower	Upper
88	100		
58	69.3	55.4	83.0
43	26.1	20.8	31.2



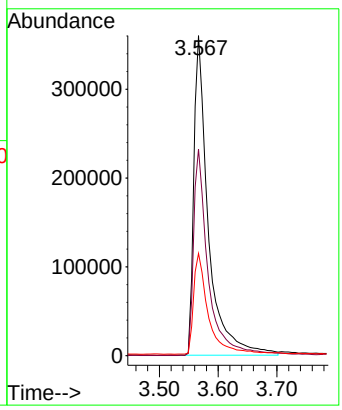


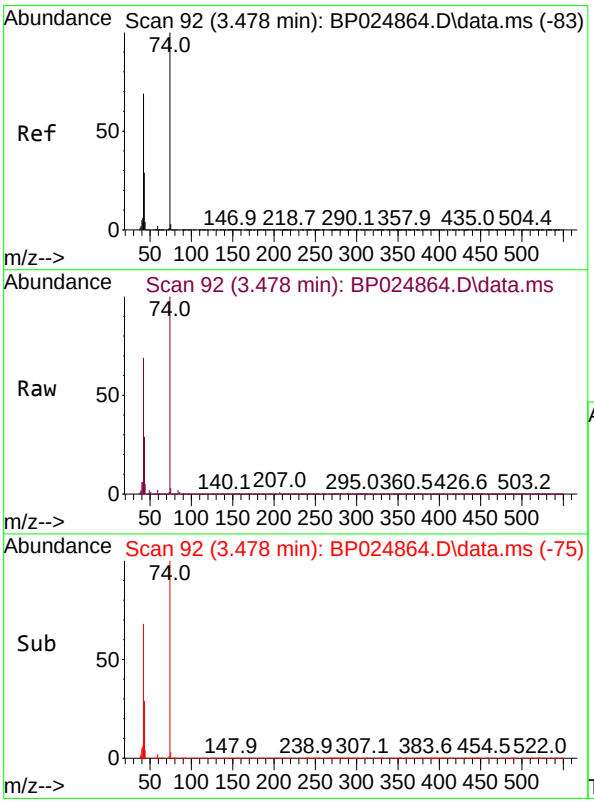
#3
Pyridine
Concen: 38.665 ng
RT: 3.567 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 616351

Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.6	77.4
51	31.9	25.5	38.3

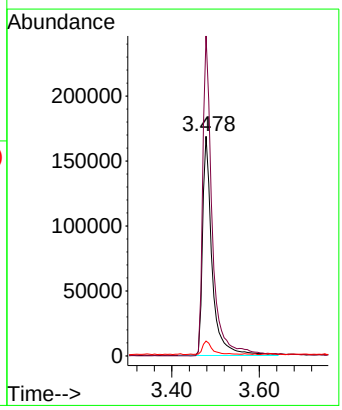


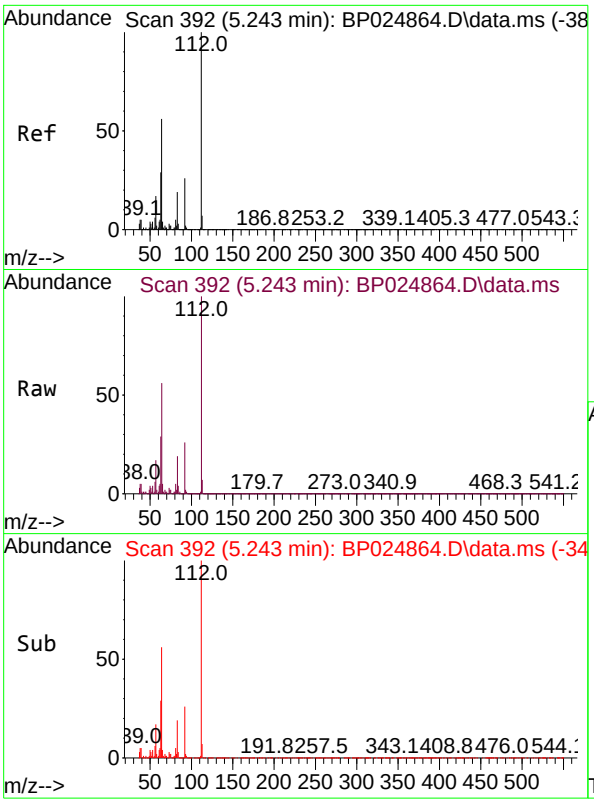


#4
n-Nitrosodimethylamine
Concen: 38.735 ng
RT: 3.478 min Scan# 92
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 42 Resp: 252432

Ion	Ratio	Lower	Upper
42	100		
74	145.7	116.6	174.8
44	6.7	5.4	8.0



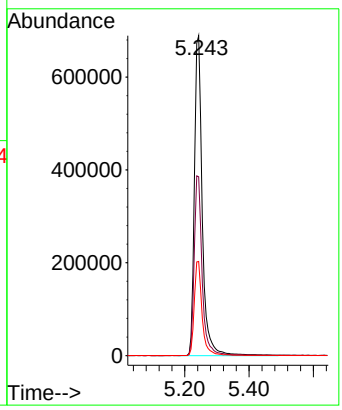


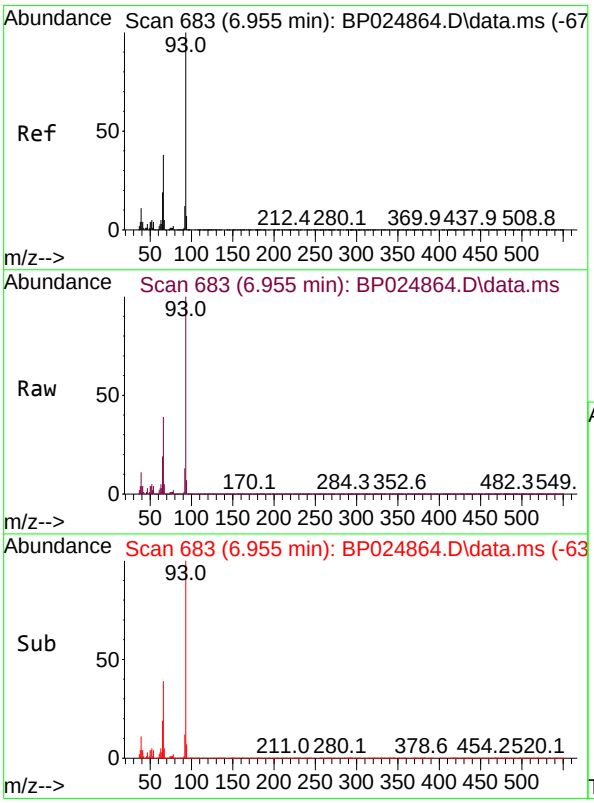
#5
2-Fluorophenol
Concen: 77.670 ng
RT: 5.243 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1170028

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.7	67.1
63	29.4	23.5	35.3

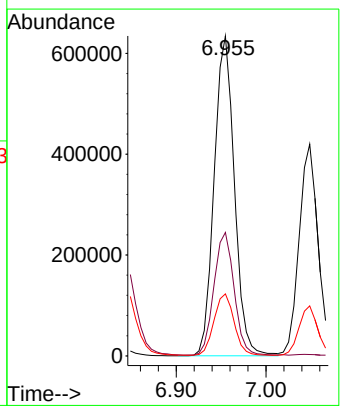


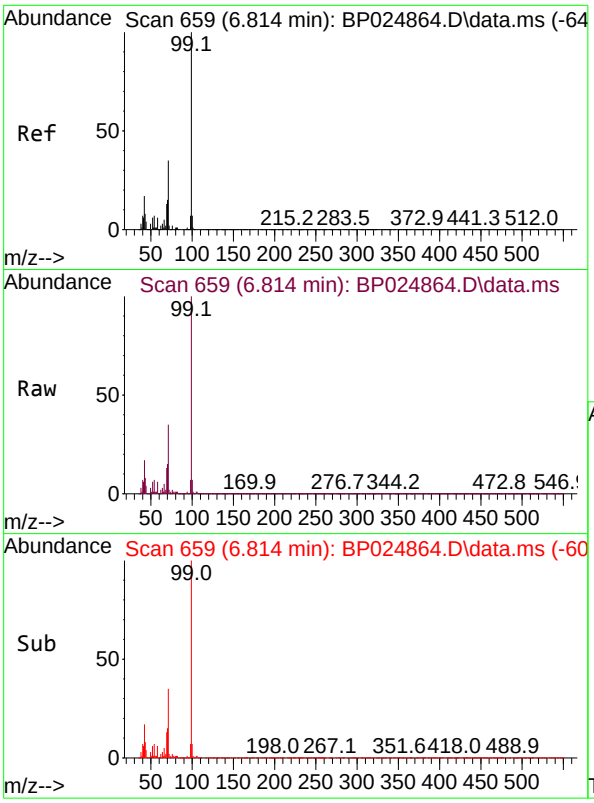


#6
Aniline
Concen: 39.106 ng
RT: 6.955 min Scan# 683
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 93 Resp: 994688

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.9	46.3
65	19.4	15.5	23.3



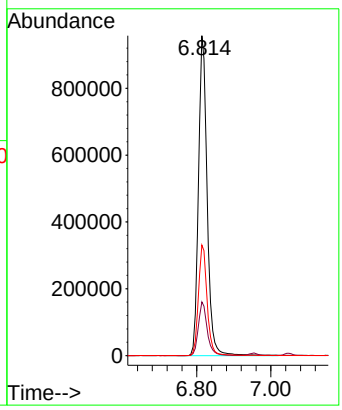


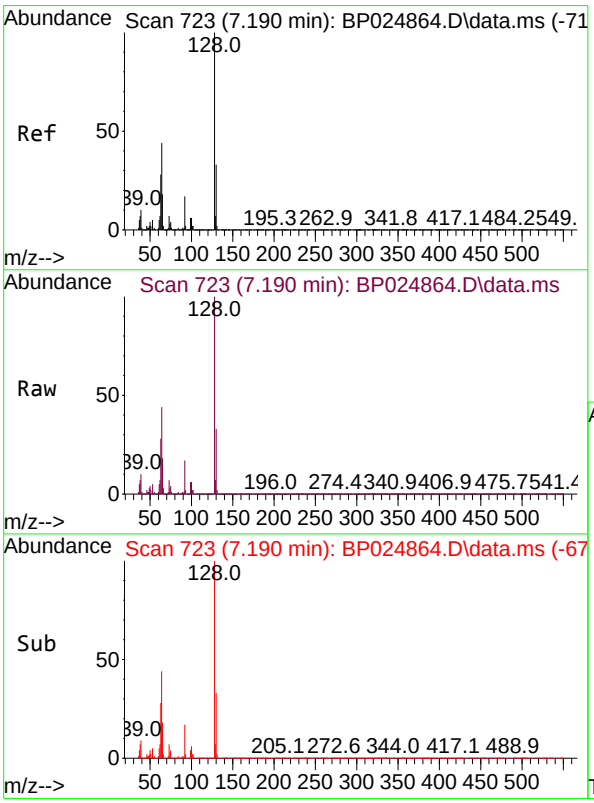
#7
Phenol-d6
Concen: 77.952 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1553699

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.2
71	34.5	27.6	41.4

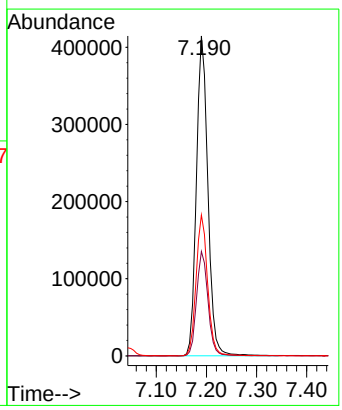


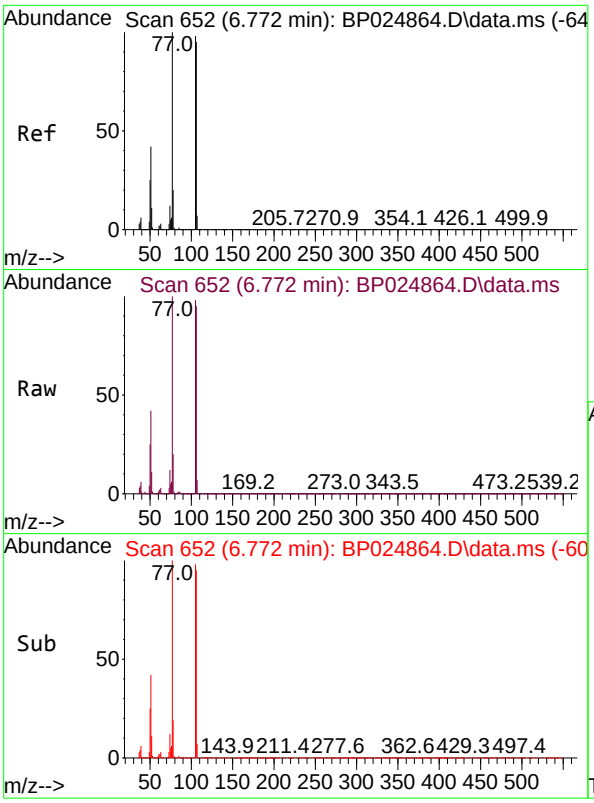


#8
2-Chlorophenol
Concen: 38.685 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:128 Resp: 660632

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	44.1	24.1	64.1



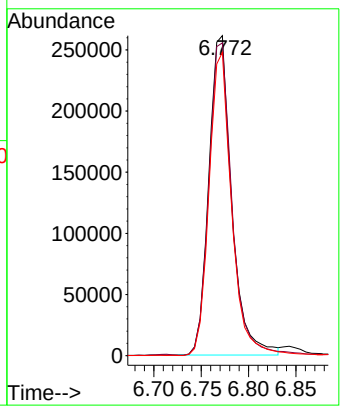


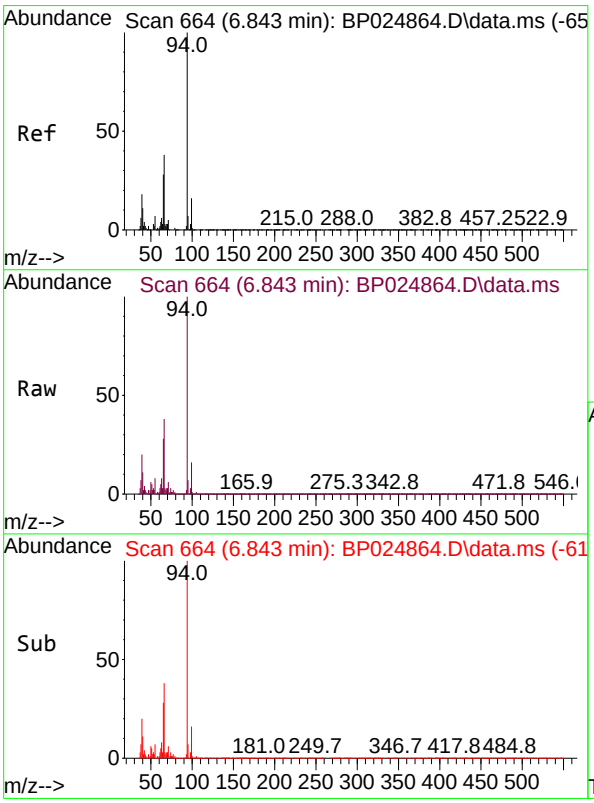
#9
Benzaldehyde
Concen: 38.116 ng
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 439137

Ion	Ratio	Lower	Upper
77	100		
105	97.7	77.7	117.7
106	94.8	74.8	114.8

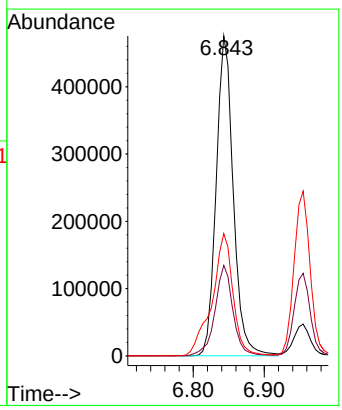


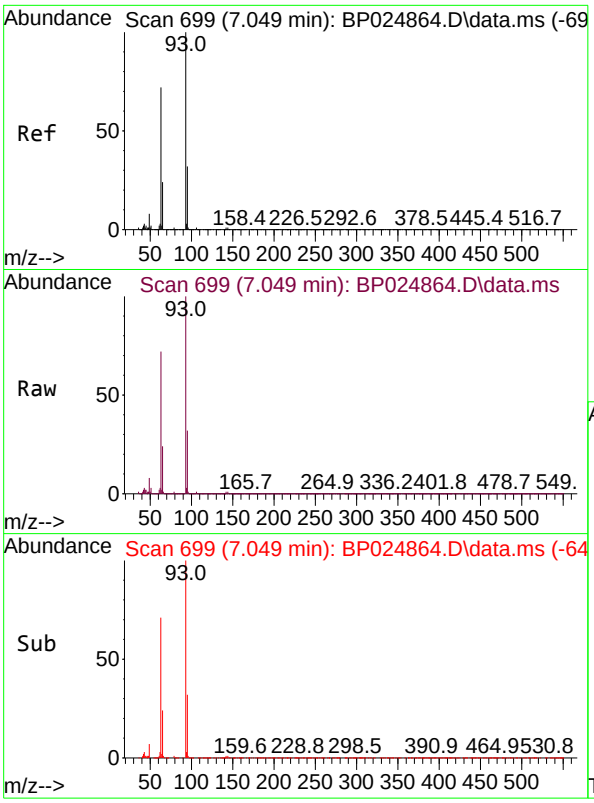


#10
Phenol
Concen: 38.853 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 94 Resp: 798315

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.3	48.3
66	38.2	18.2	58.2



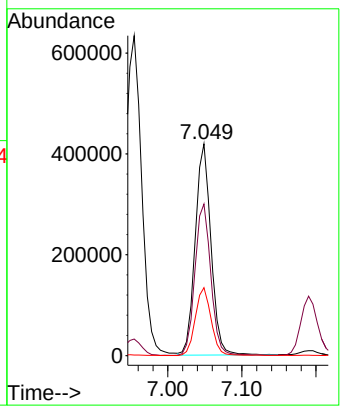


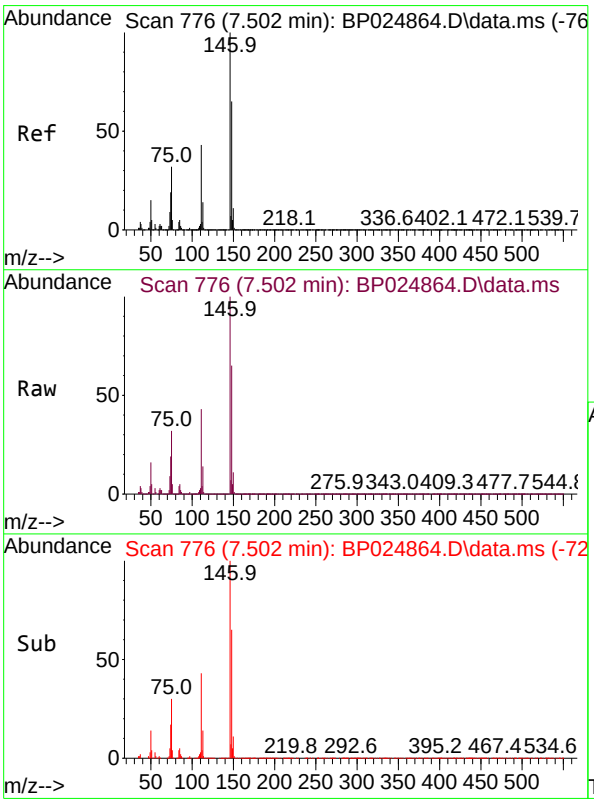
#11
bis(2-Chloroethyl)ether
Concen: 38.406 ng
RT: 7.049 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 620674

Ion	Ratio	Lower	Upper
93	100		
63	71.6	51.6	91.6
95	32.1	12.1	52.1

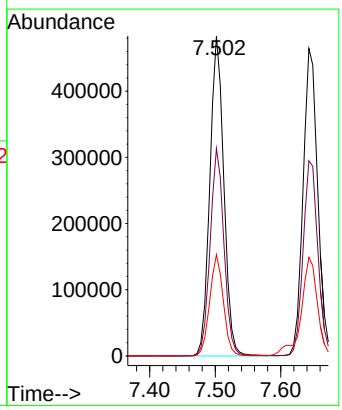


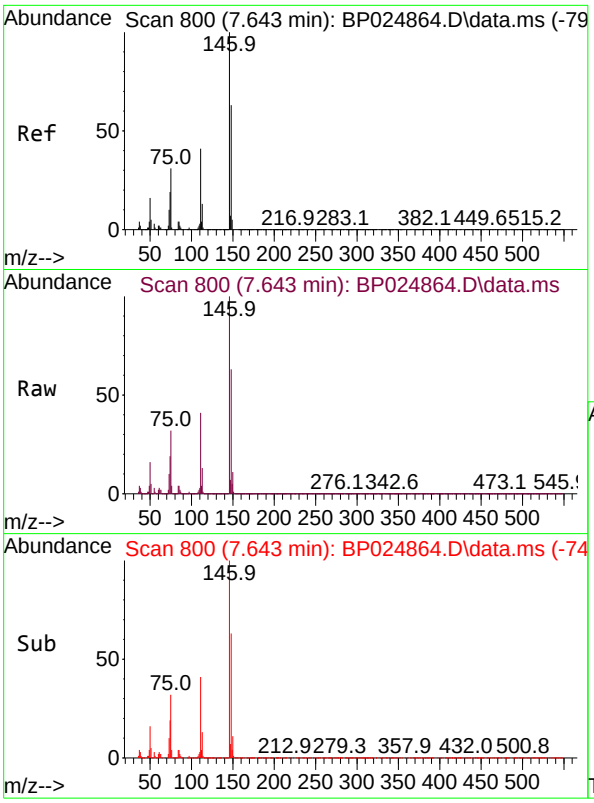


#12
1,3-Dichlorobenzene
Concen: 37.610 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:146 Resp: 716511

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	31.6	25.3	37.9



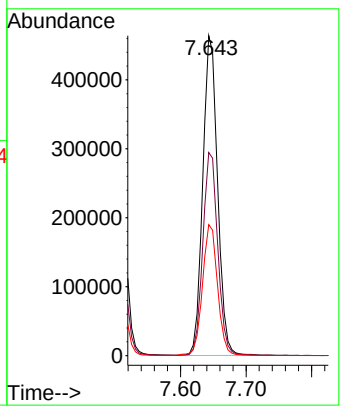


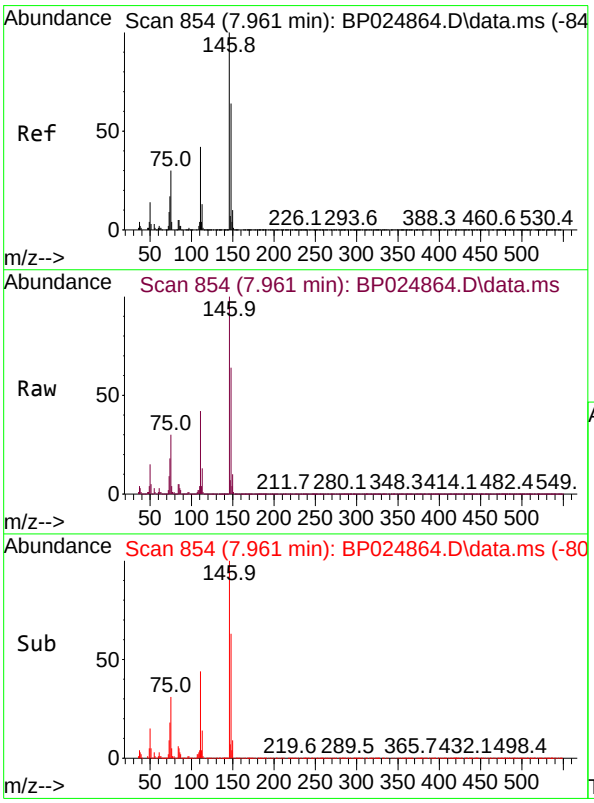
#13
1,4-Dichlorobenzene
Concen: 37.635 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 723440

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	40.9	32.7	49.1

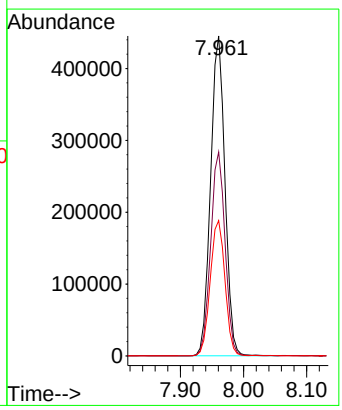


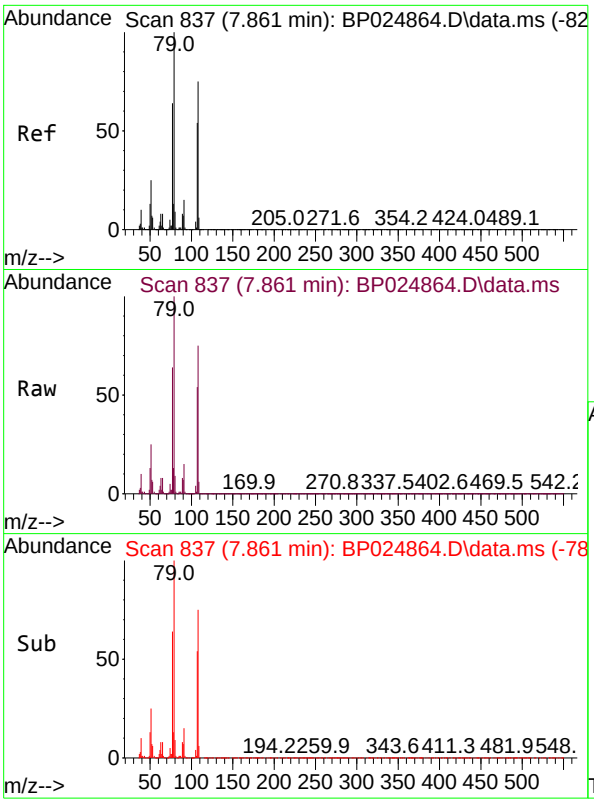


#14
1,2-Dichlorobenzene
Concen: 37.326 ng
RT: 7.961 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:146 Resp: 704548

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



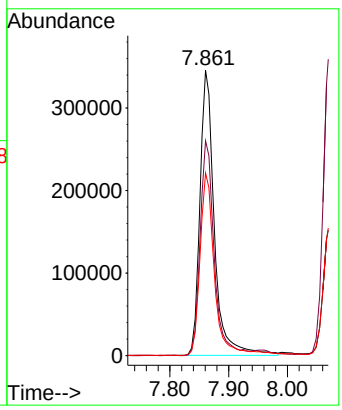


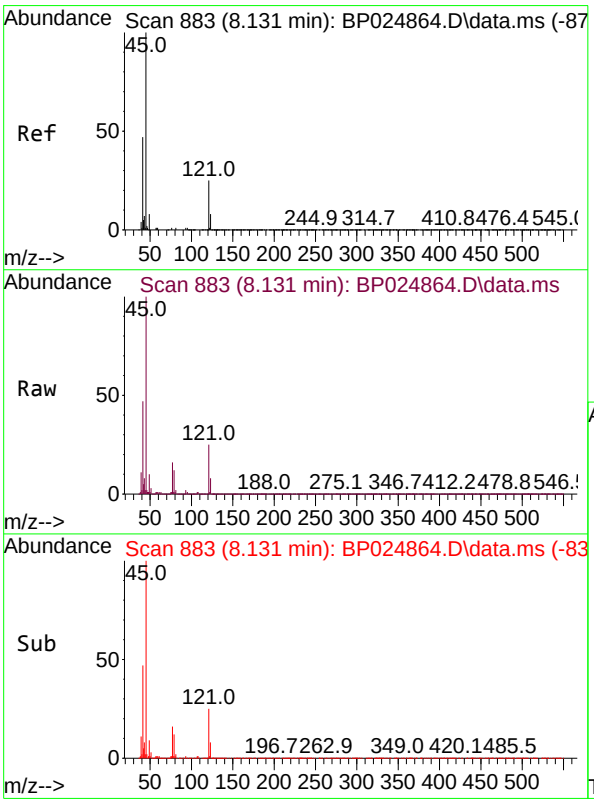
#15
Benzyl Alcohol
Concen: 38.458 ng
RT: 7.861 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 588293

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.2	90.4
77	64.0	51.2	76.8

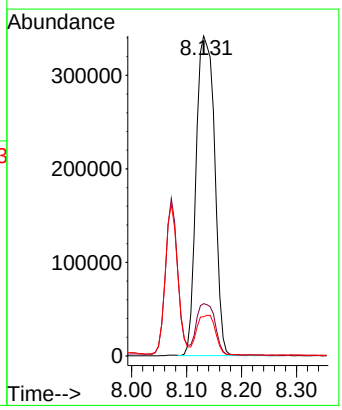


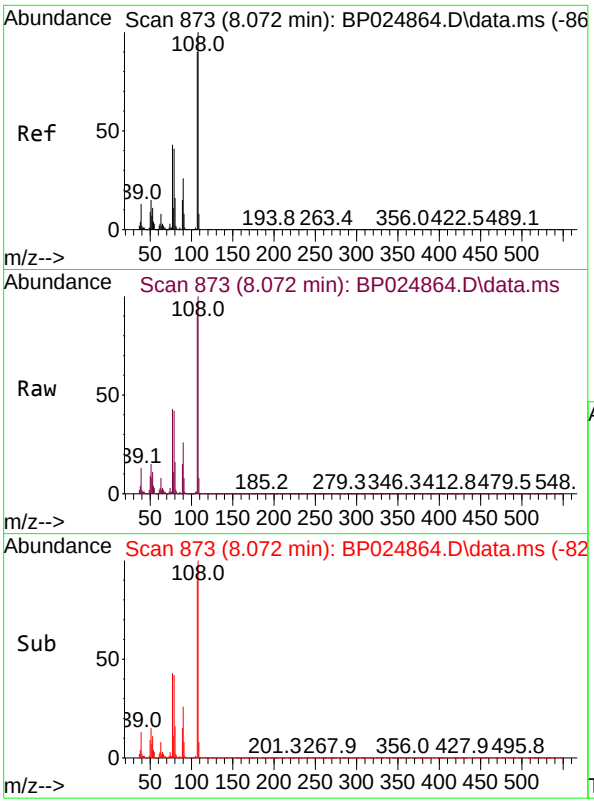


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.629 ng
RT: 8.131 min Scan# 883
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 45 Resp: 795933

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.2	0.0	32.2



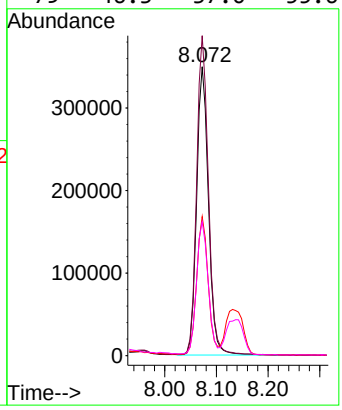


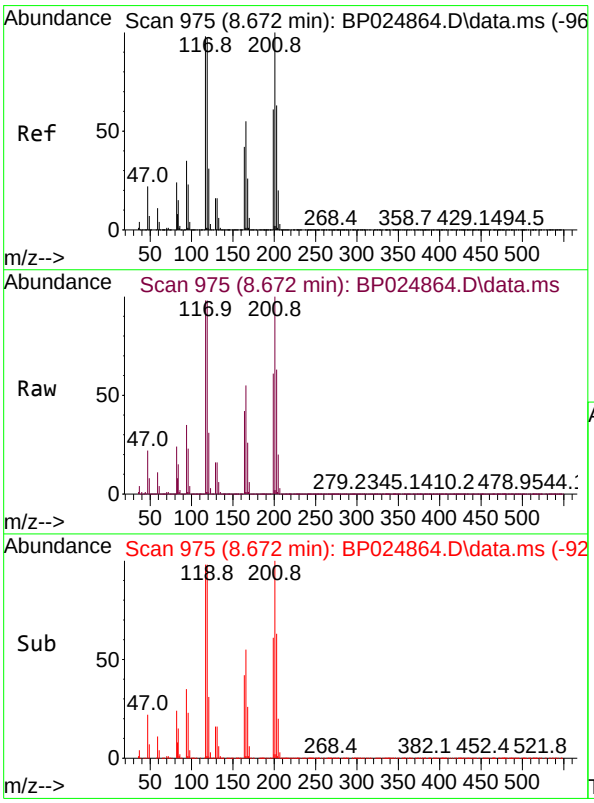
#17
2-Methylphenol
Concen: 38.764 ng
RT: 8.072 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 556193

Ion	Ratio	Lower	Upper
107	100		
108	110.7	88.6	132.8
77	48.1	38.5	57.7
79	46.3	37.0	55.6

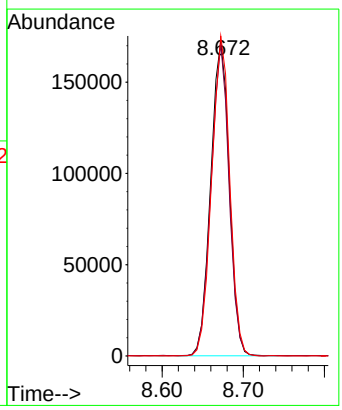


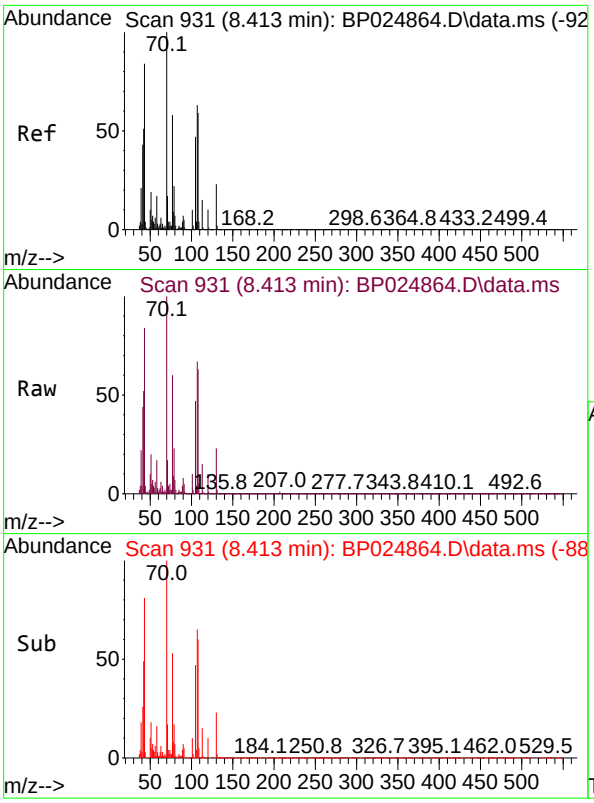


#18
Hexachloroethane
Concen: 37.878 ng
RT: 8.672 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:117 Resp: 274123

Ion	Ratio	Lower	Upper
117	100		
119	99.3	79.4	119.2
201	101.8	81.4	122.2



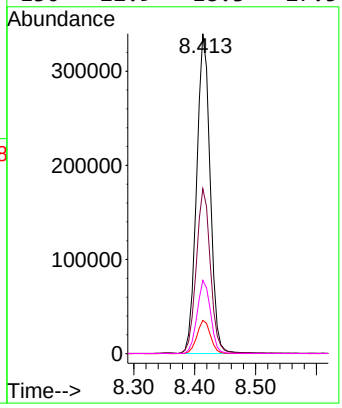


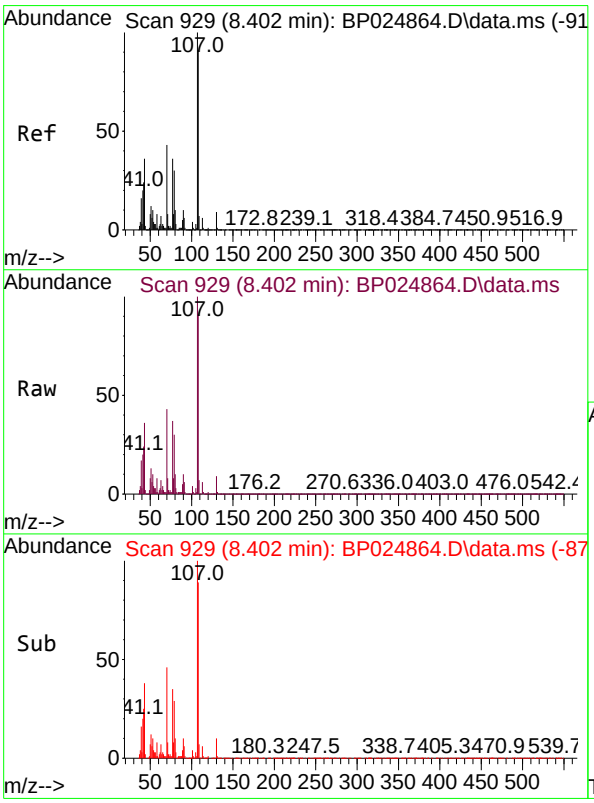
#19
n-Nitroso-di-n-propylamine
Concen: 38.693 ng
RT: 8.413 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 524279

Ion	Ratio	Lower	Upper
70	100		
42	51.5	41.2	61.8
101	10.4	8.3	12.5
130	22.9	18.3	27.5

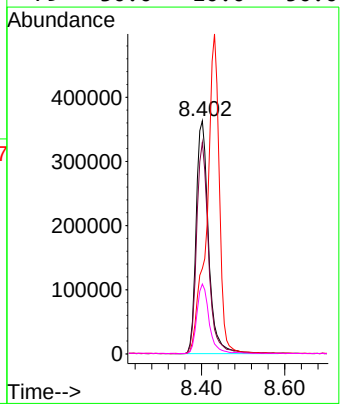


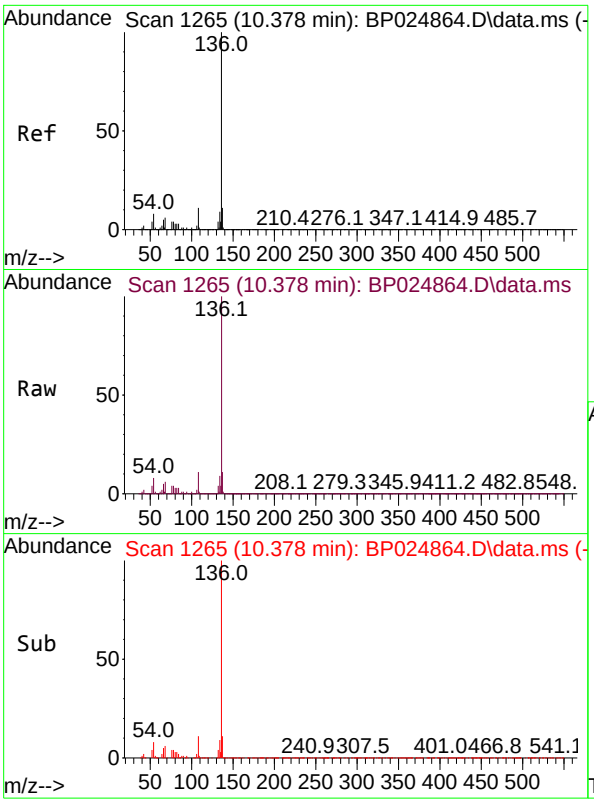


#20
3+4-Methylphenols
Concen: 38.365 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:107 Resp: 751025

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.7	110.7
77	36.6	16.6	56.6
79	30.0	10.0	50.0



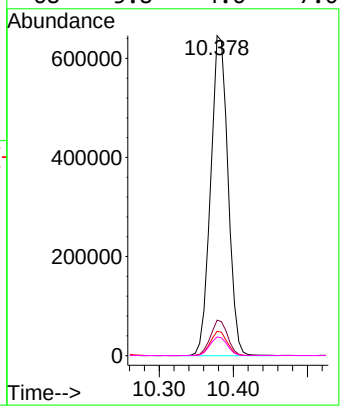


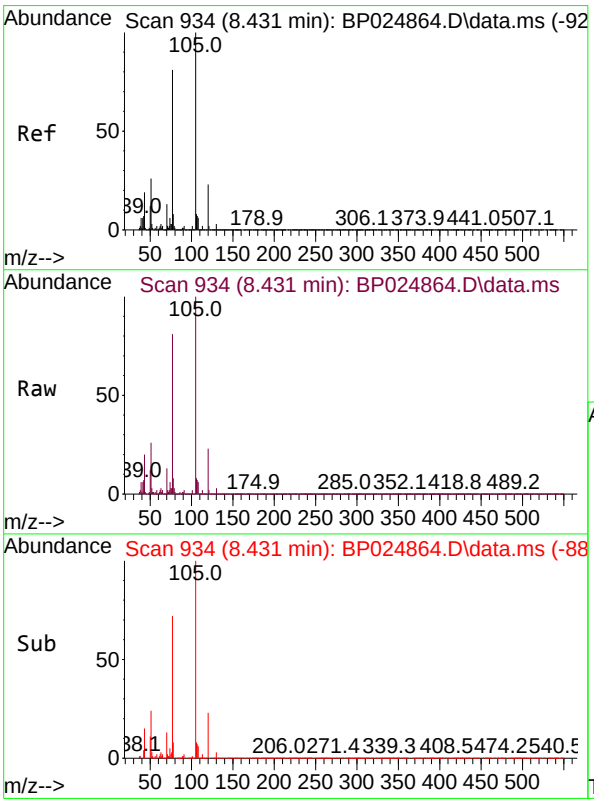
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1050030

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.1	9.1
68	5.8	4.6	7.0

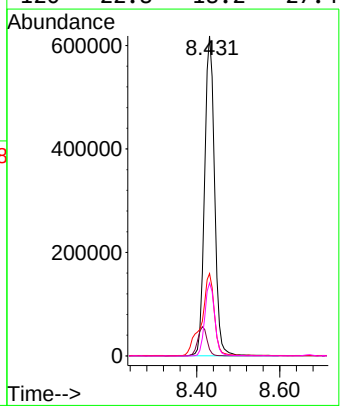


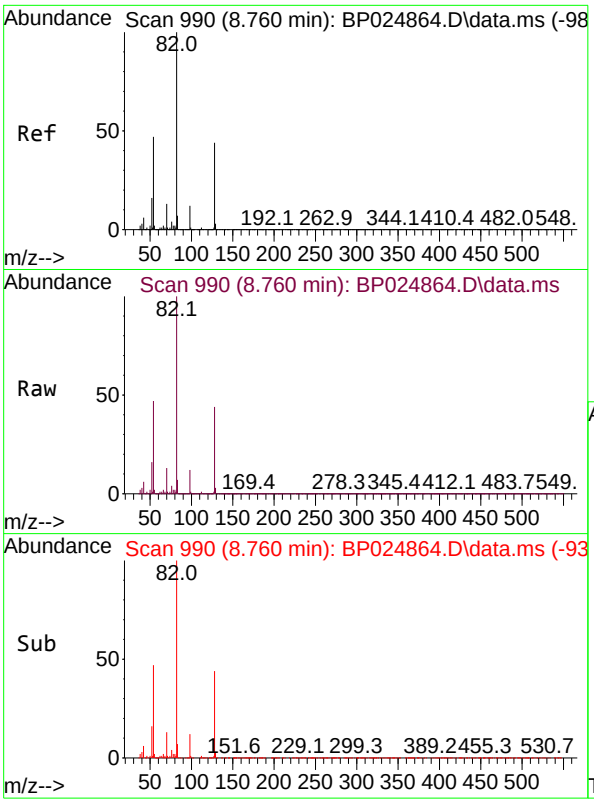


#22
Acetophenone
Concen: 38.828 ng
RT: 8.431 min Scan# 934
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:105 Resp: 1030093

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.6	2.4
51	25.8	20.6	31.0
120	22.8	18.2	27.4



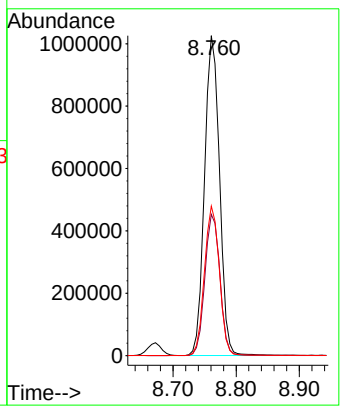


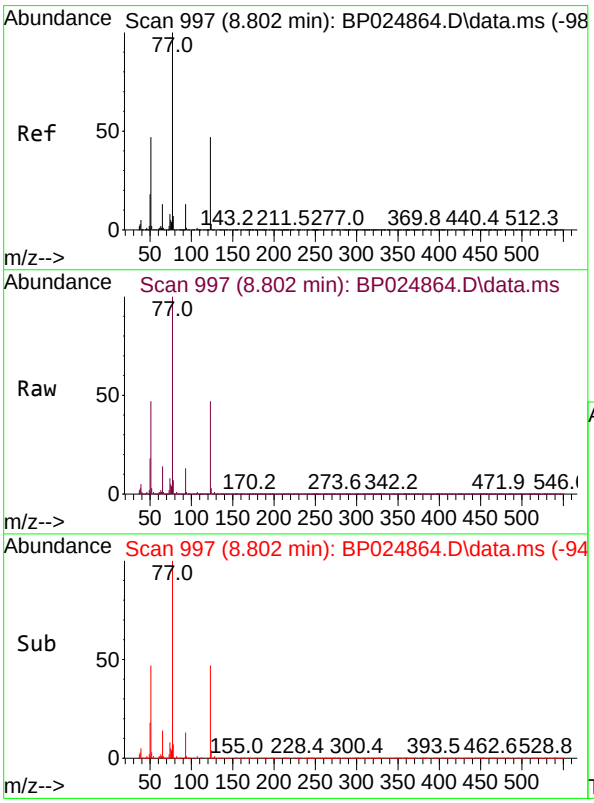
#23
Nitrobenzene-d5
Concen: 78.486 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1695972

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.3	52.9
54	46.7	37.4	56.0

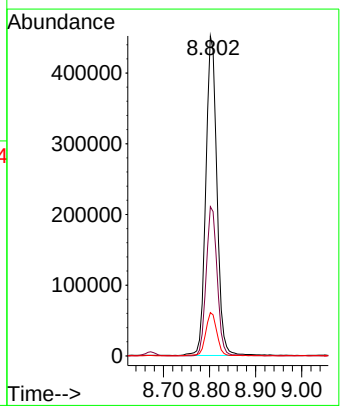


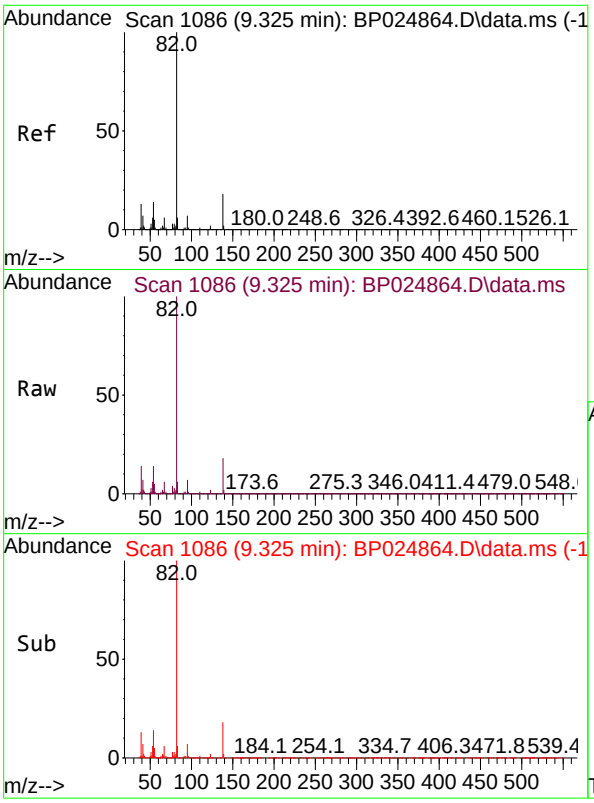


#24
Nitrobenzene
Concen: 39.362 ng
RT: 8.802 min Scan# 997
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 77 Resp: 755619

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	13.5	10.8	16.2



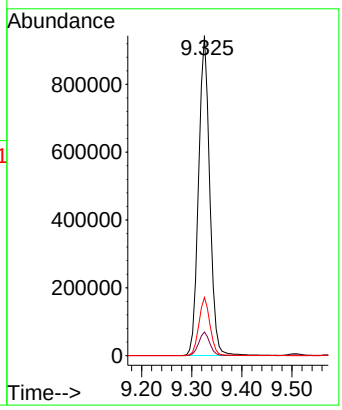


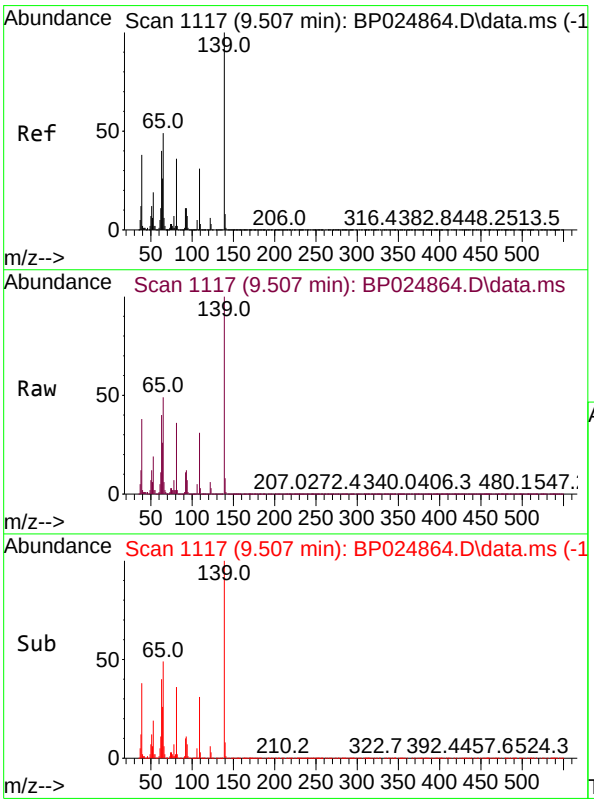
#25
Isophorone
Concen: 38.927 ng
RT: 9.325 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1457812

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.2	14.6	21.8

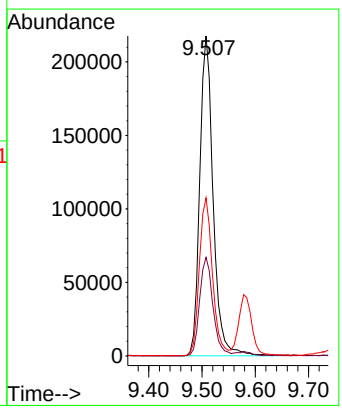


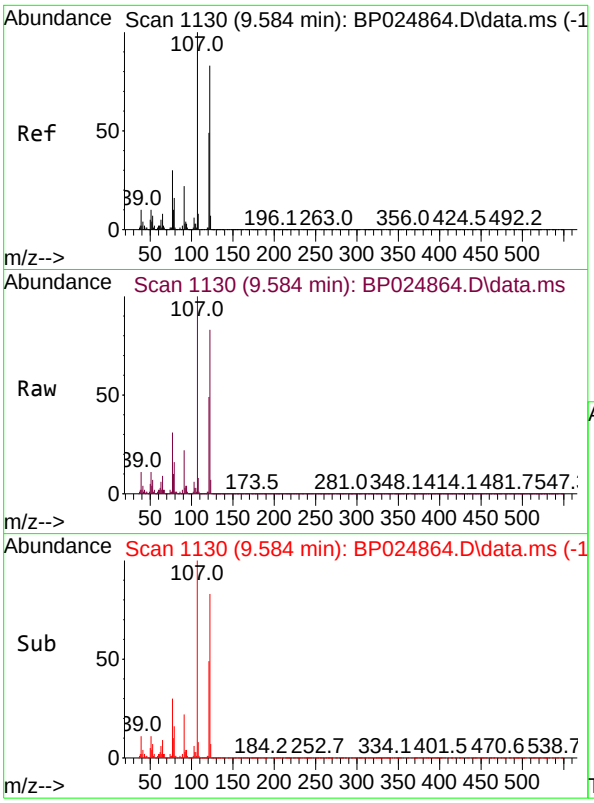


#26
2-Nitrophenol
Concen: 39.996 ng
RT: 9.507 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:139 Resp: 378834

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	49.4	39.5	59.3



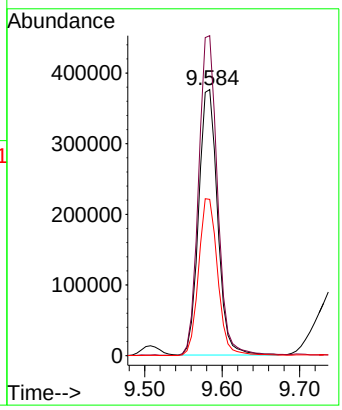


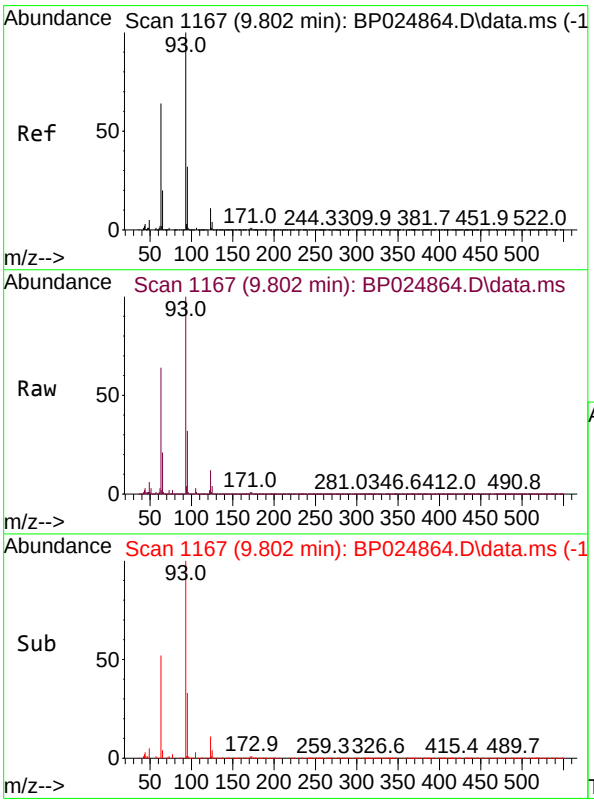
#27
2,4-Dimethylphenol
Concen: 39.219 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 635763

Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.4
121	58.7	47.0	70.4

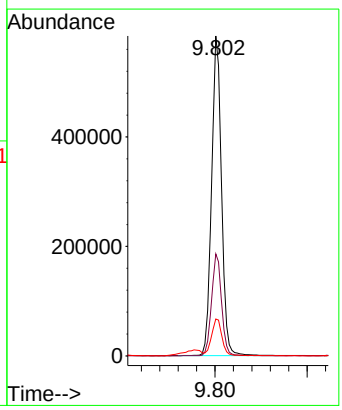


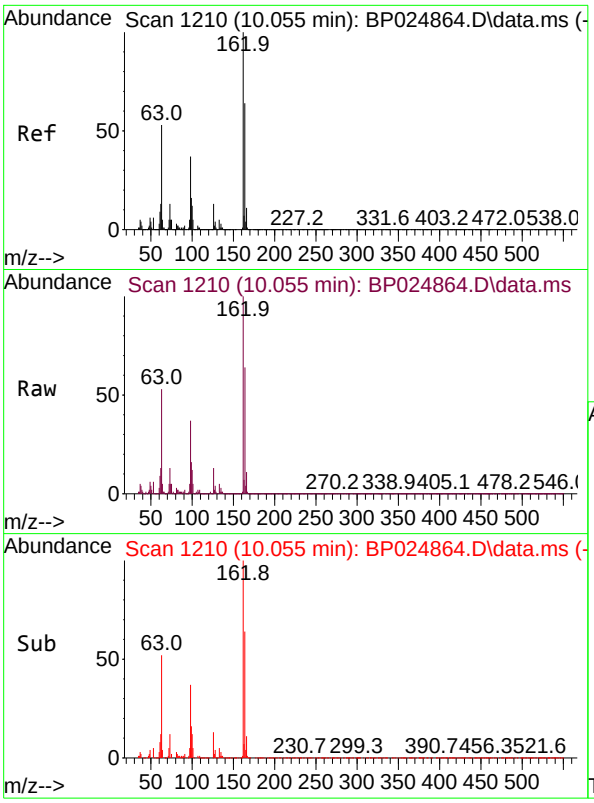


#28
bis(2-Chloroethoxy)methane
Concen: 38.880 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 93 Resp: 868569

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	11.5	9.2	13.8



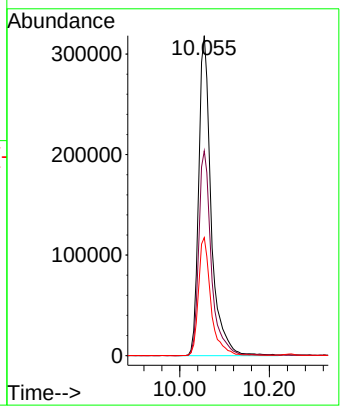


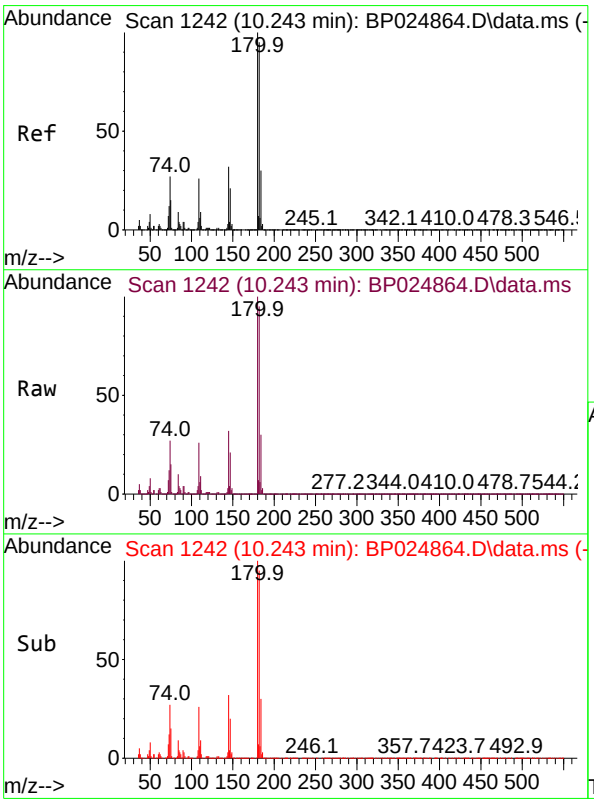
#29
2,4-Dichlorophenol
Concen: 39.412 ng
RT: 10.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 613013

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	36.9	16.9	56.9

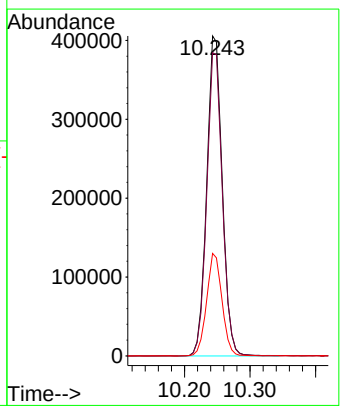


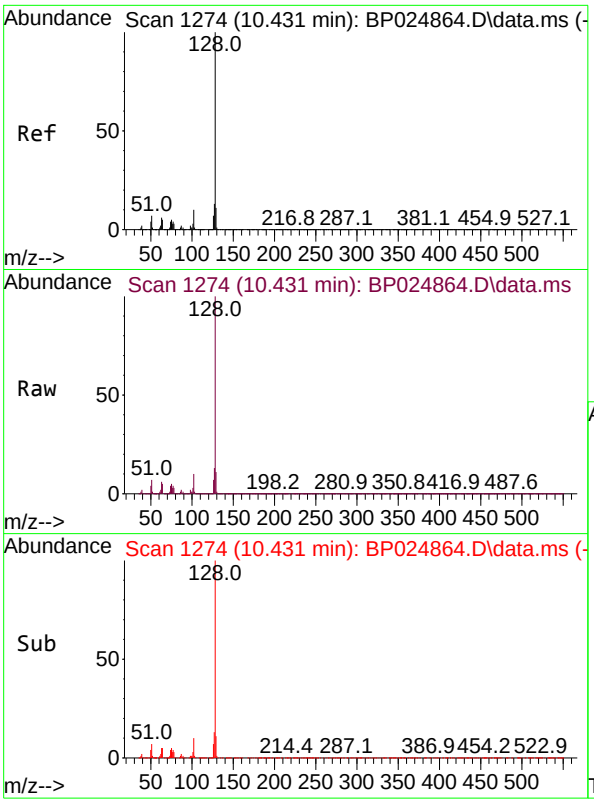


#30
1,2,4-Trichlorobenzene
Concen: 37.930 ng
RT: 10.243 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:180 Resp: 665418

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	32.1	25.7	38.5



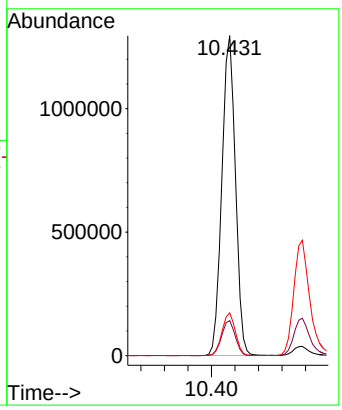


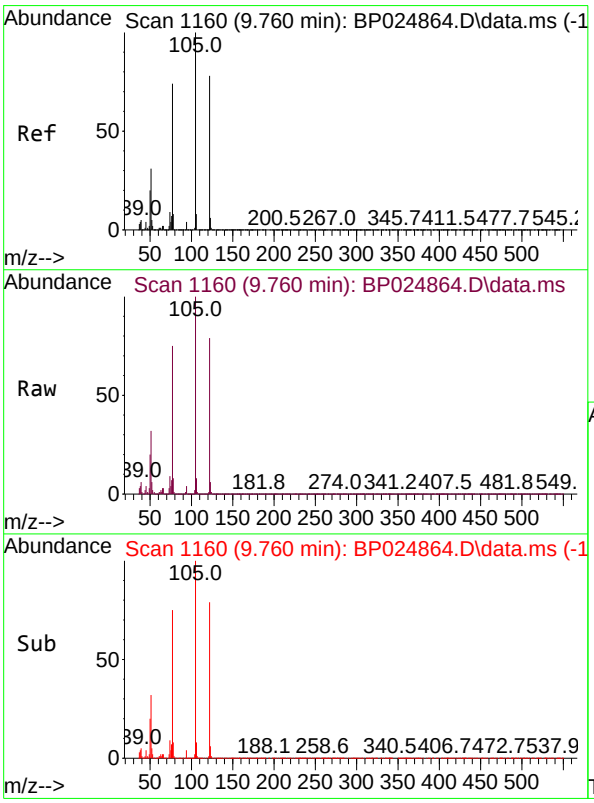
#31
Naphthalene
Concen: 38.617 ng
RT: 10.431 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2077988

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.7	16.1

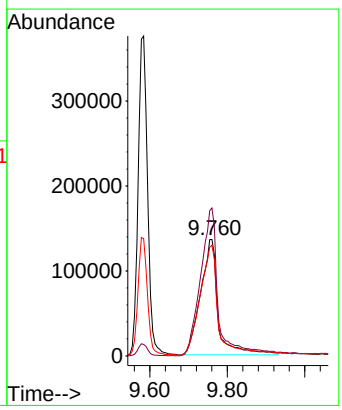


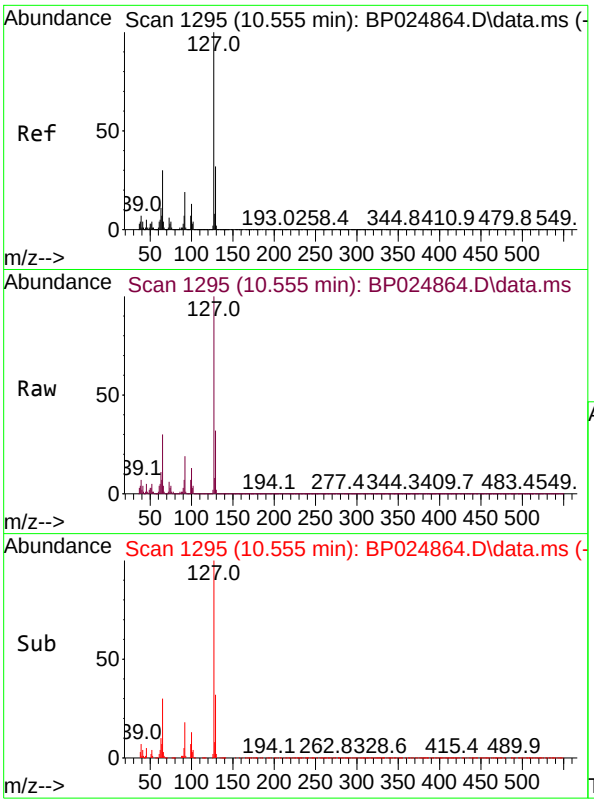


#32
Benzoic acid
Concen: 39.629 ng
RT: 9.760 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:122 Resp: 428303

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.1	147.1
77	95.1	75.1	115.1



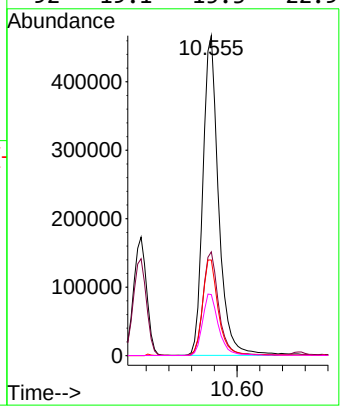


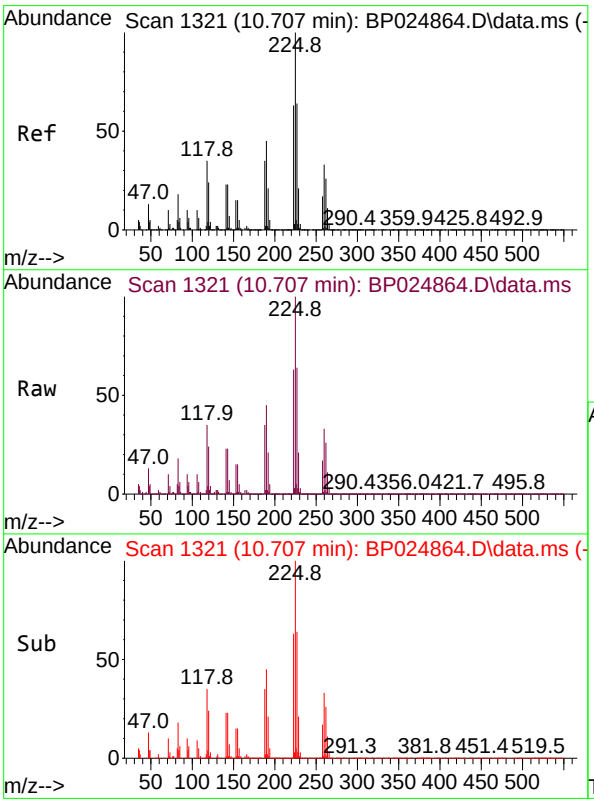
#33
4-Chloroaniline
Concen: 39.641 ng
RT: 10.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 893683

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	29.9	23.9	35.9
92	19.1	15.3	22.9

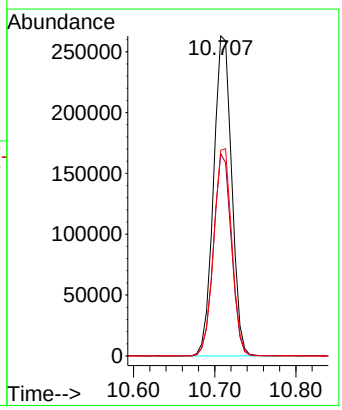


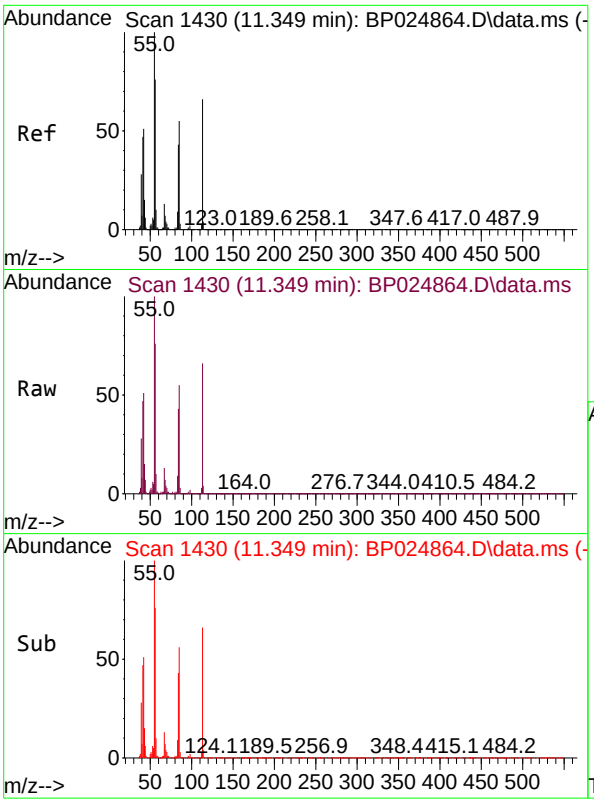


#34
Hexachlorobutadiene
Concen: 38.500 ng
RT: 10.707 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:225 Resp: 407084

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.5	75.7
227	64.3	51.4	77.2



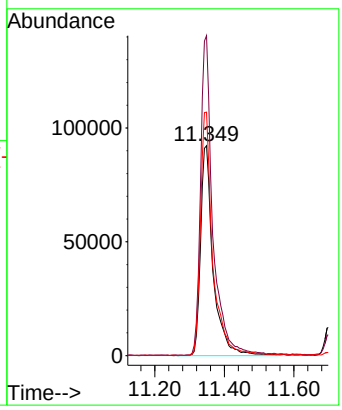


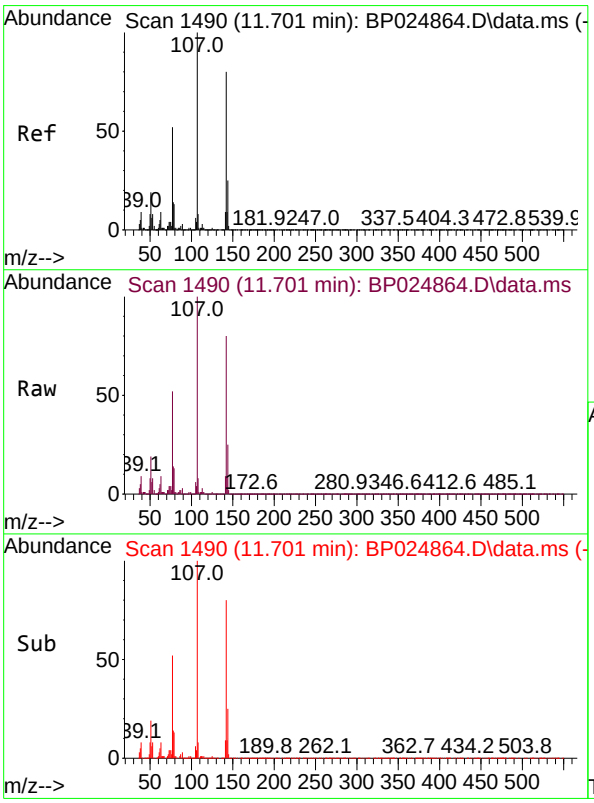
#35
Caprolactam
Concen: 40.293 ng
RT: 11.349 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 230696

Ion	Ratio	Lower	Upper
113	100		
55	152.5	132.5	172.5
56	116.0	96.0	136.0

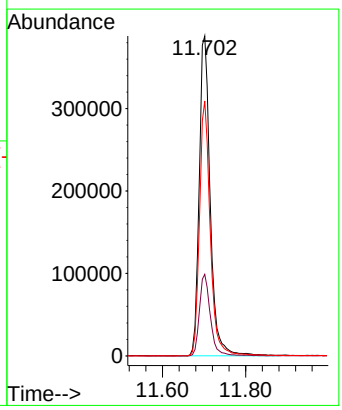


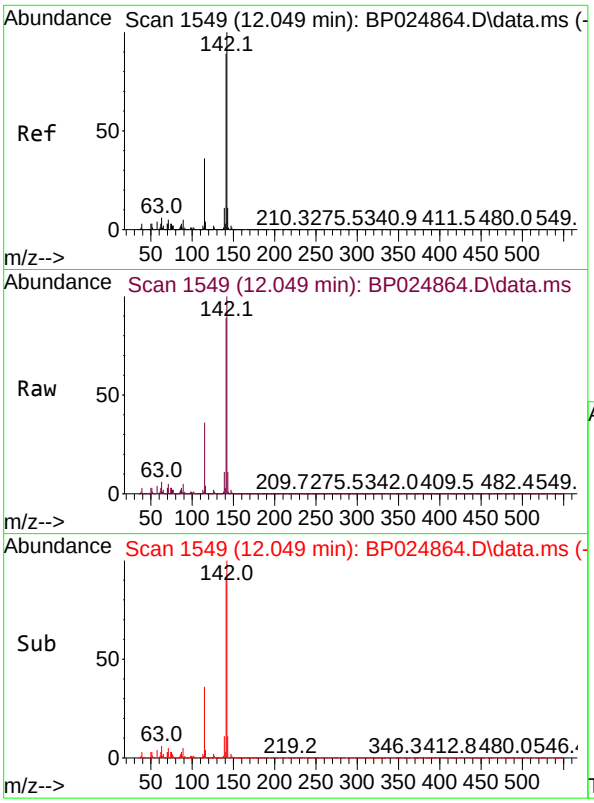


#36
4-Chloro-3-methylphenol
Concen: 39.885 ng
RT: 11.701 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:107 Resp: 715549

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	79.7	63.8	95.6



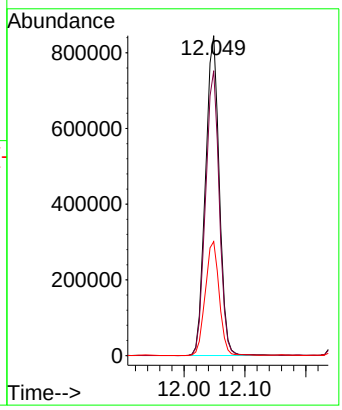


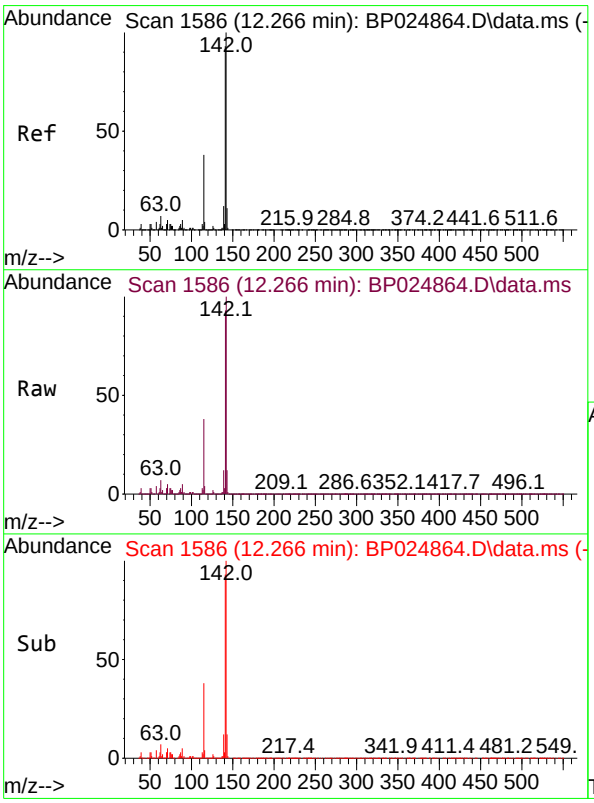
#37
2-Methylnaphthalene
Concen: 38.973 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1330251

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	35.6	28.5	42.7

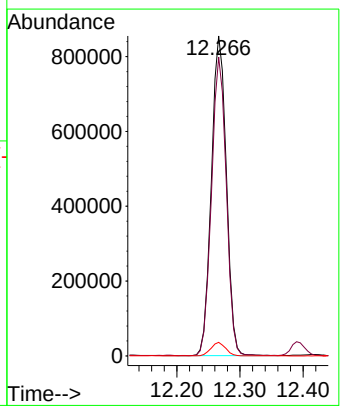


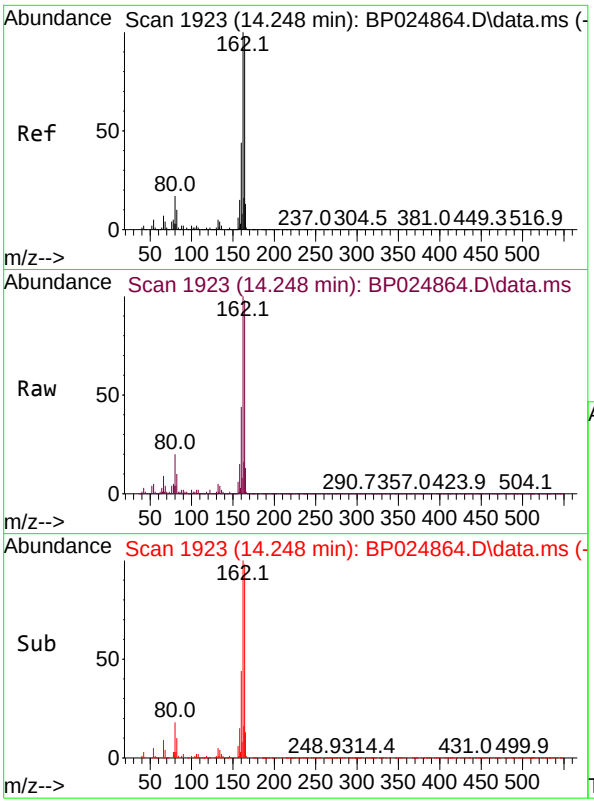


#38
1-Methylnaphthalene
Concen: 38.606 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:142 Resp: 1408803

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.2	3.4	5.0



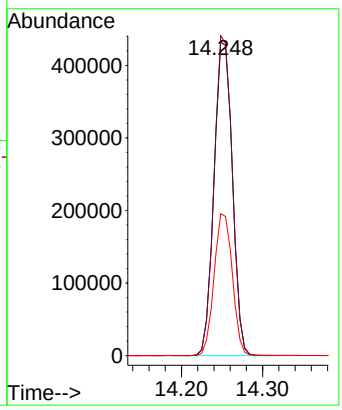


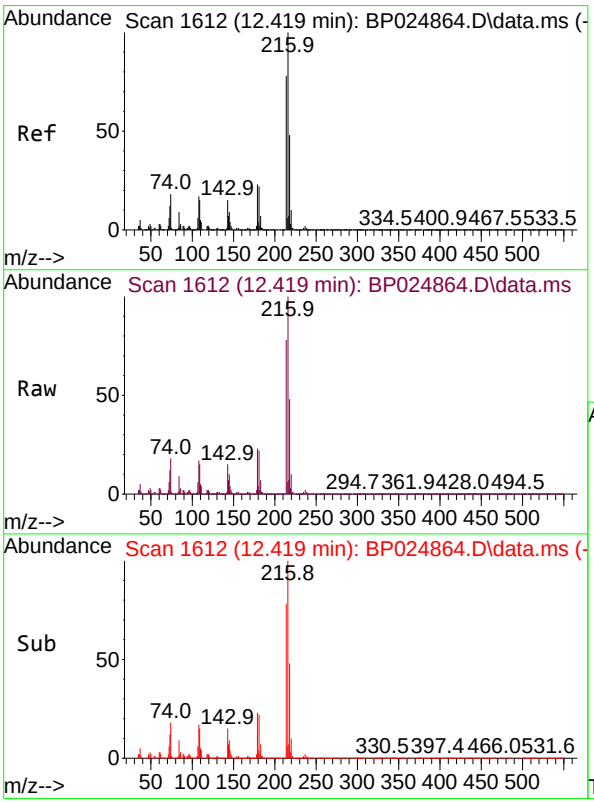
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 679122

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.6	122.4
160	45.2	36.2	54.2

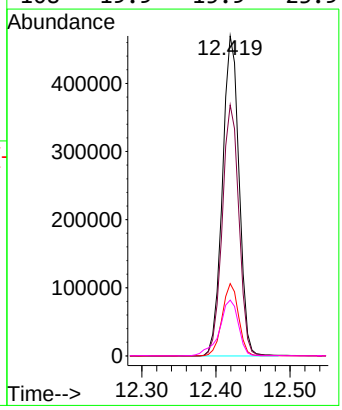


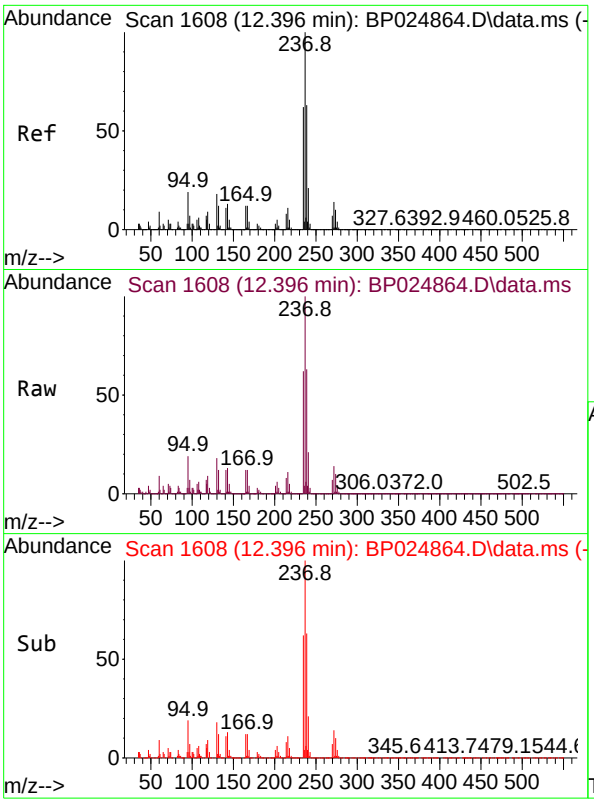


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.947 ng
RT: 12.419 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:216 Resp: 731245

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.2	17.8	26.6
108	19.9	15.9	23.9



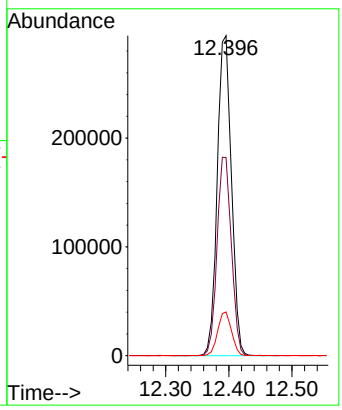


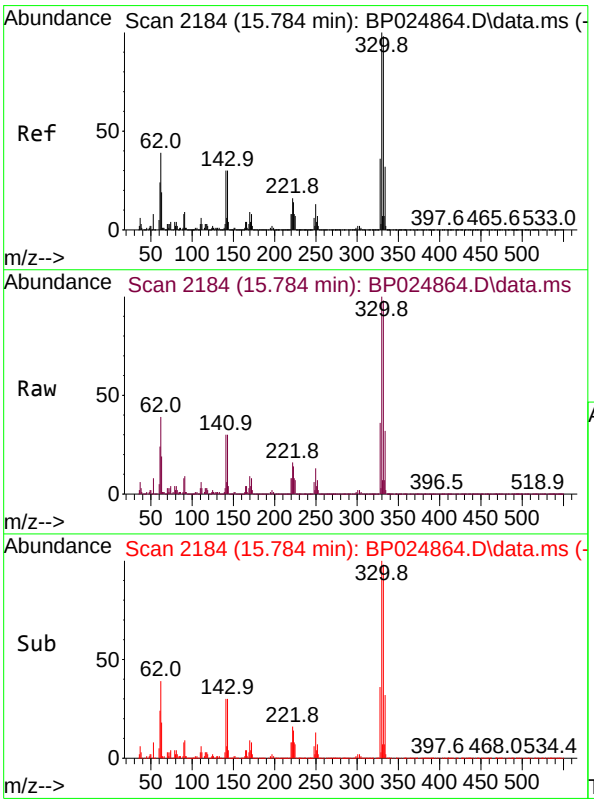
#41
Hexachlorocyclopentadiene
Concen: 38.901 ng
RT: 12.396 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 457226

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.9	81.9
272	13.7	0.0	33.7

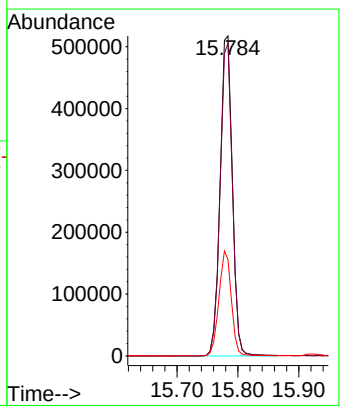


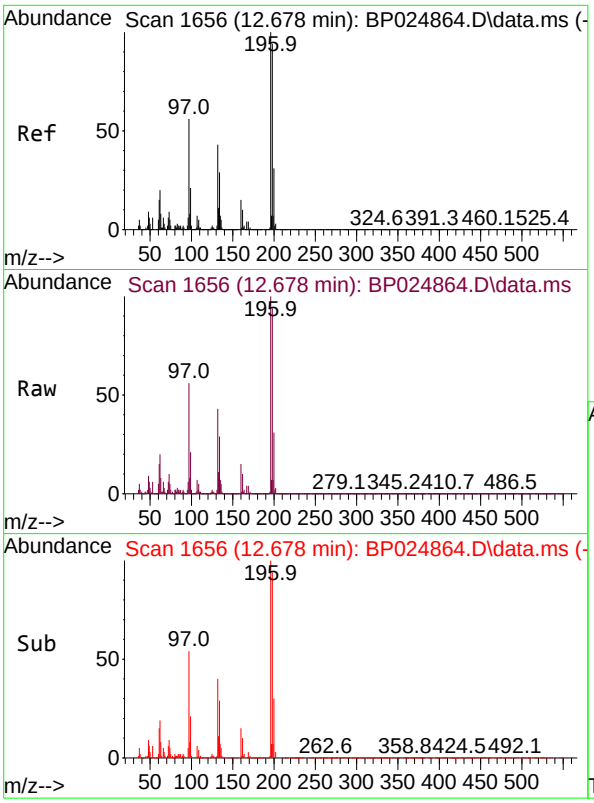


#42
2,4,6-Tribromophenol
Concen: 77.359 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:330 Resp: 726339

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	33.0	26.4	39.6



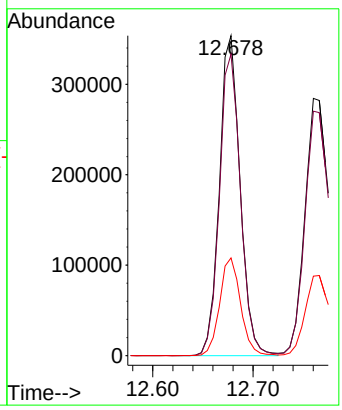


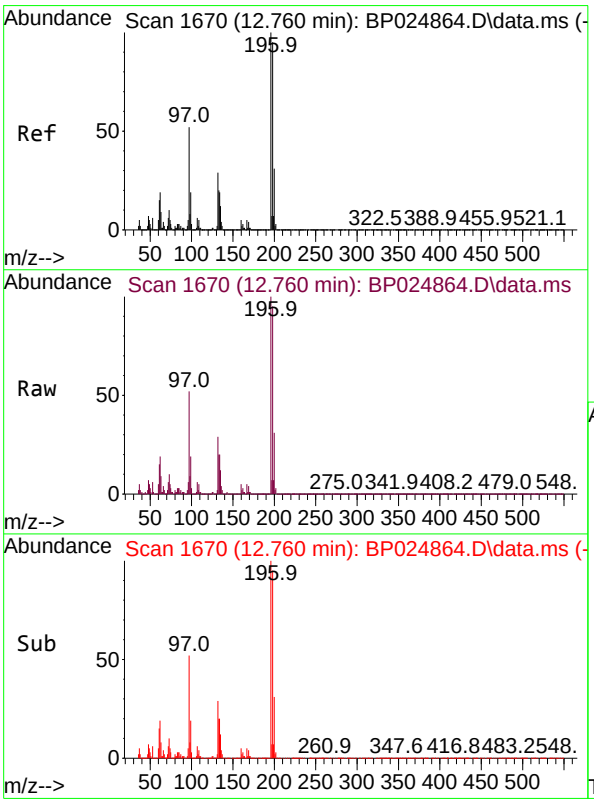
#43
2,4,6-Trichlorophenol
Concen: 39.371 ng
RT: 12.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 509510

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.5	24.4	36.6

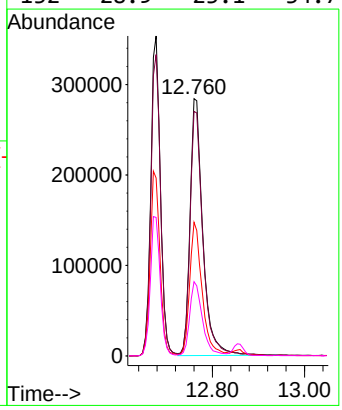


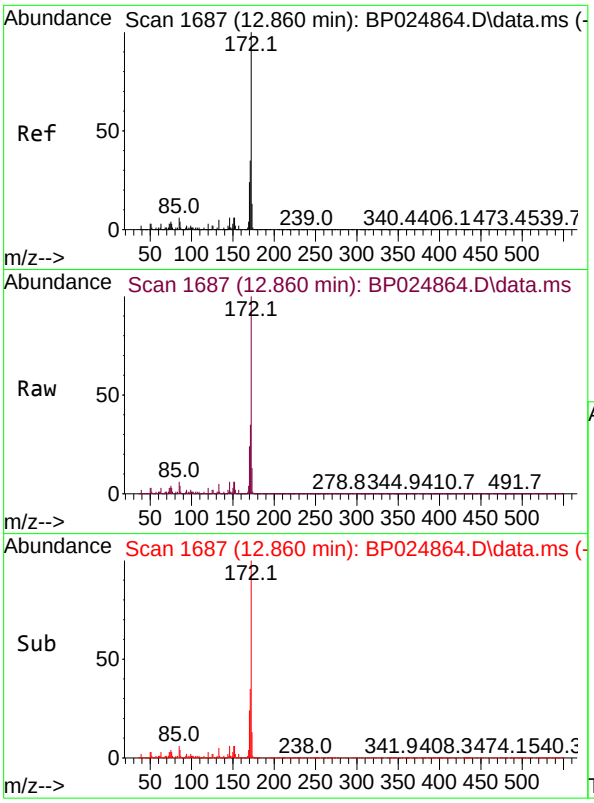


#44
2,4,5-Trichlorophenol
Concen: 39.715 ng
RT: 12.760 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:196 Resp: 550432

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.0	114.0
97	51.9	41.5	62.3
132	28.9	23.1	34.7



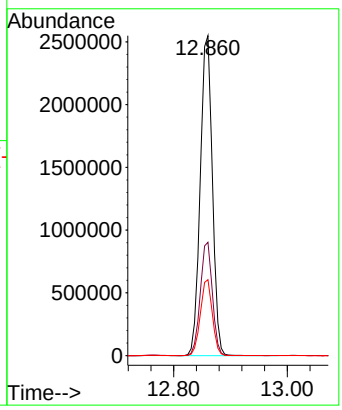


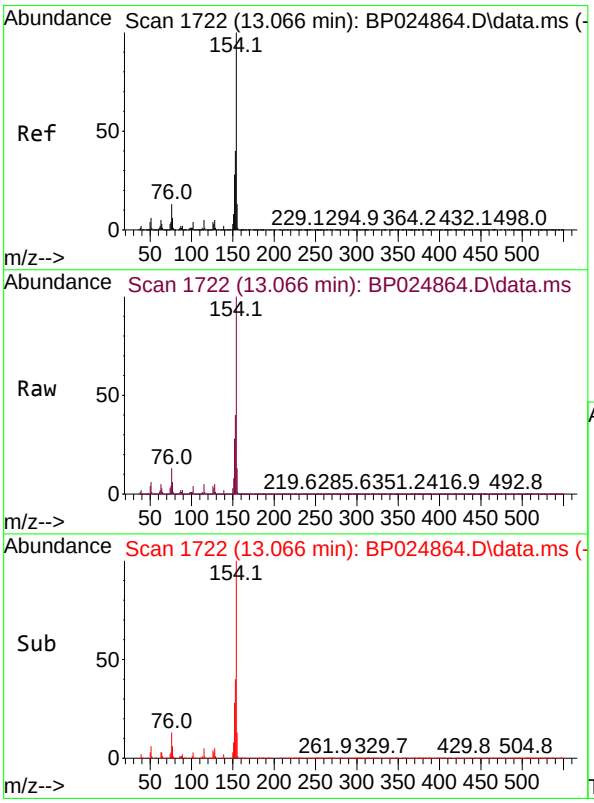
#45
2-Fluorobiphenyl
Concen: 74.904 ng
RT: 12.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3776115

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.7	19.0	28.4

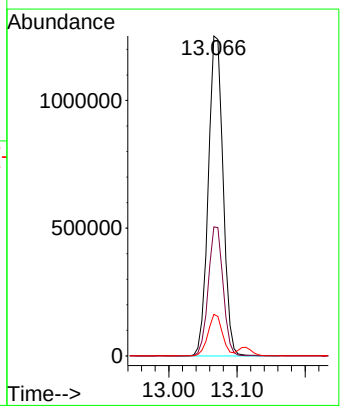


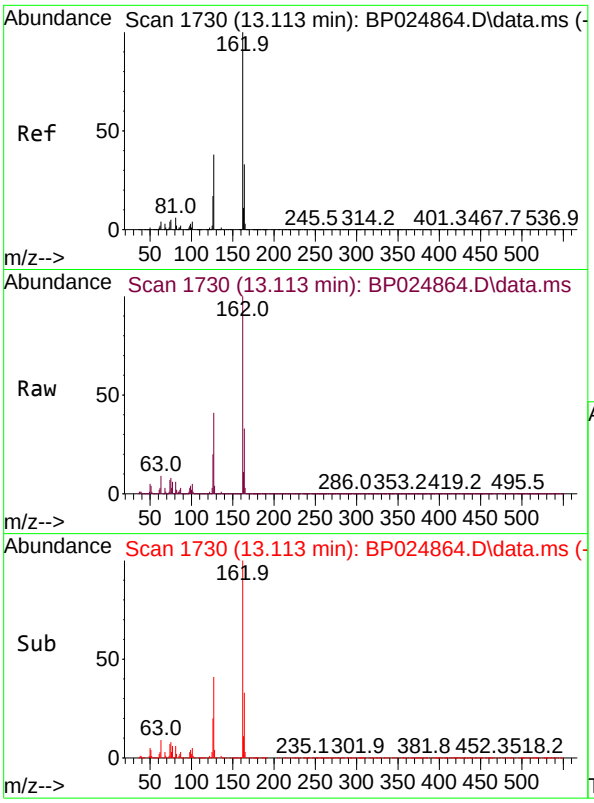


#46
1,1'-Biphenyl
Concen: 38.137 ng
RT: 13.066 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:154 Resp: 1882196

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.0	0.0	33.0



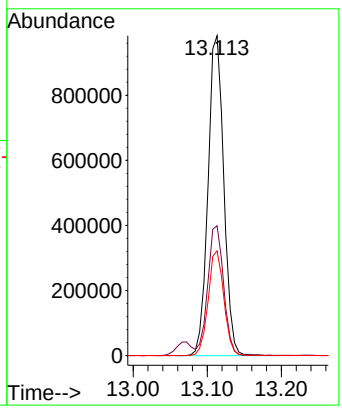


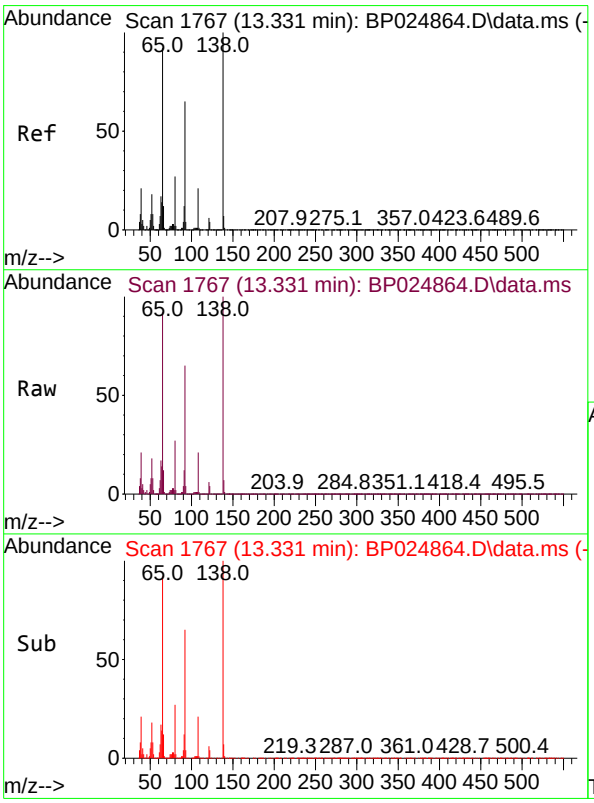
#47
2-Chloronaphthalene
Concen: 38.270 ng
RT: 13.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1451679

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.5	48.7
164	32.7	26.2	39.2

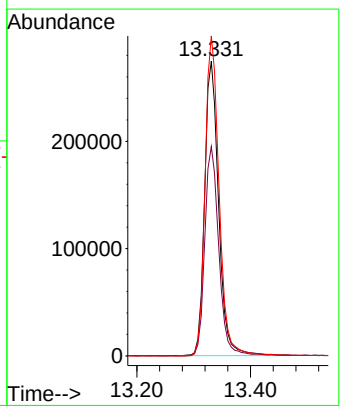


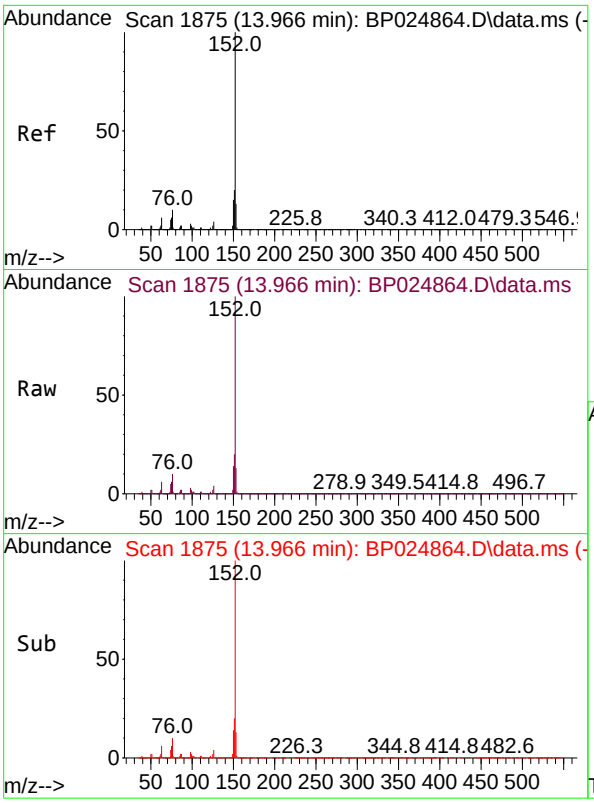


#48
2-Nitroaniline
Concen: 40.328 ng
RT: 13.331 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 65 Resp: 470289

Ion	Ratio	Lower	Upper
65	100		
92	71.0	56.8	85.2
138	108.6	86.9	130.3



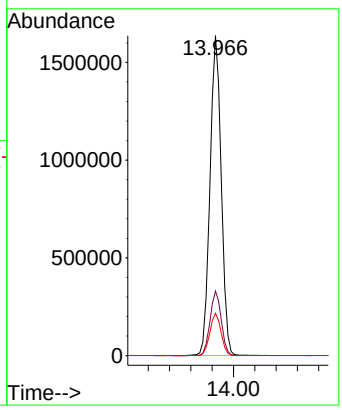


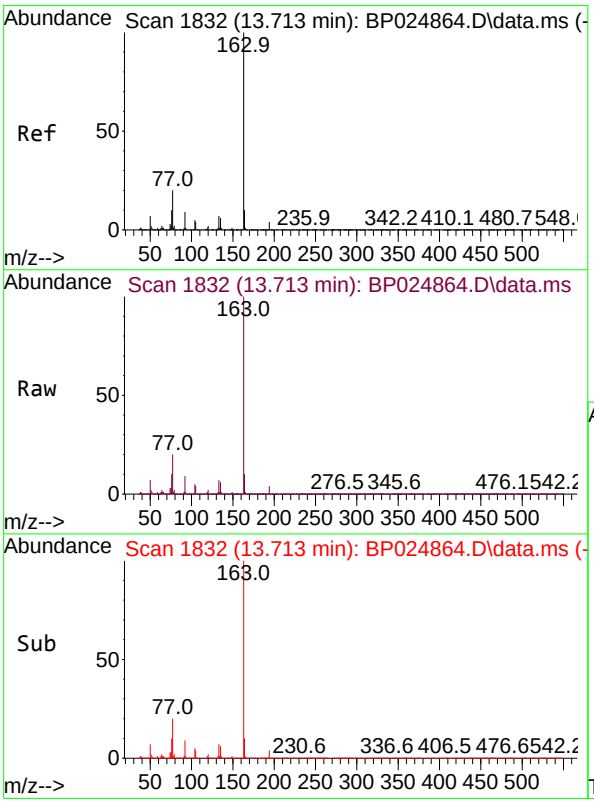
#49
Acenaphthylene
Concen: 37.959 ng
RT: 13.966 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2400804

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8

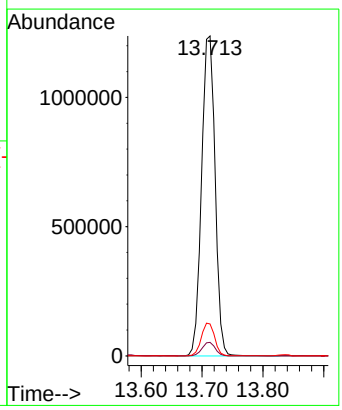


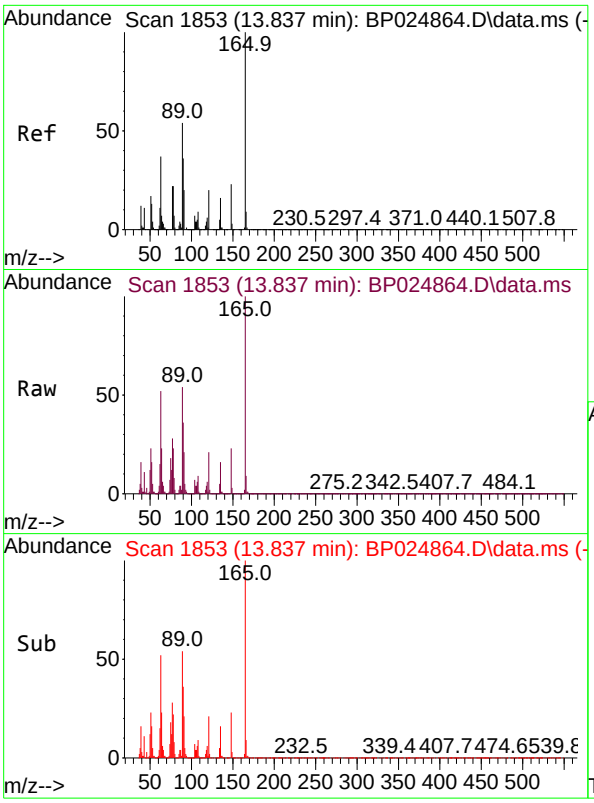


#50
Dimethylphthalate
Concen: 37.969 ng
RT: 13.713 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:163 Resp: 1902136

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.0	12.0



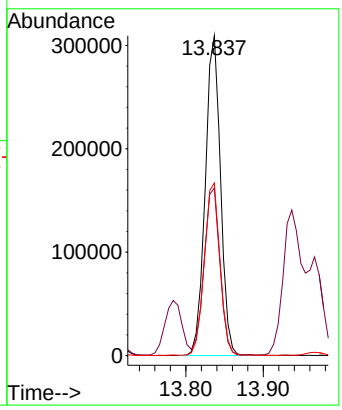


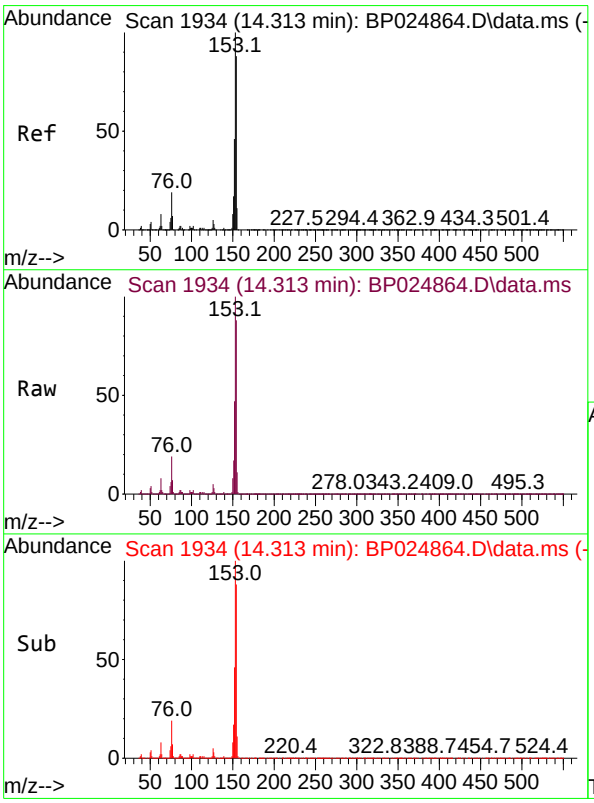
#51
2,6-Dinitrotoluene
Concen: 39.280 ng
RT: 13.837 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 424228

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	53.9	43.1	64.7

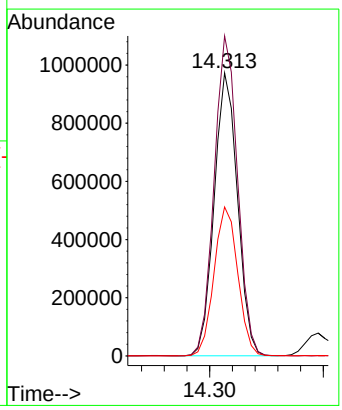


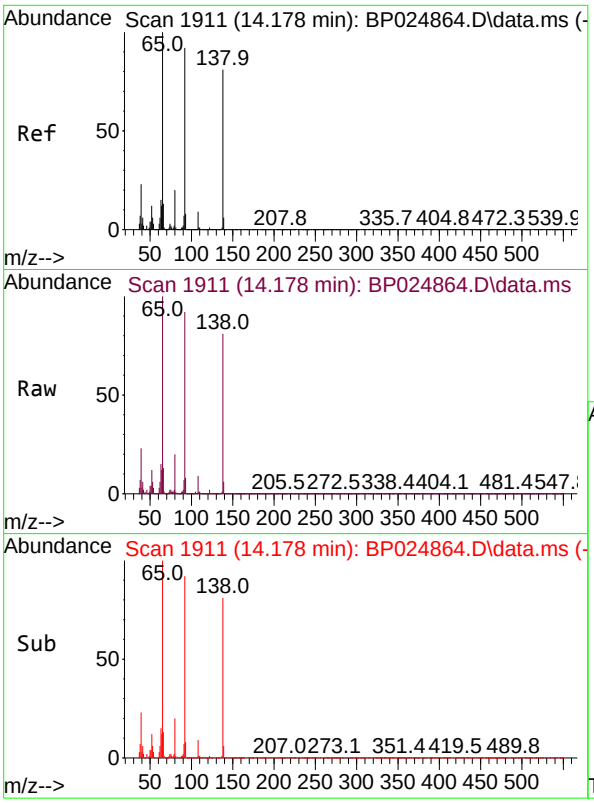


#52
Acenaphthene
Concen: 38.243 ng
RT: 14.313 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:154 Resp: 1386007

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	52.6	42.1	63.1



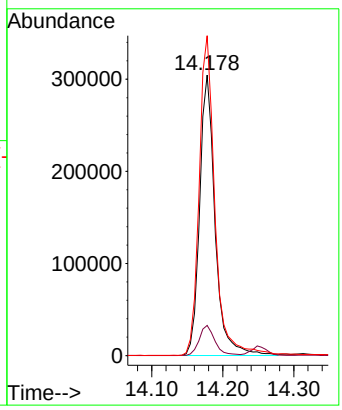


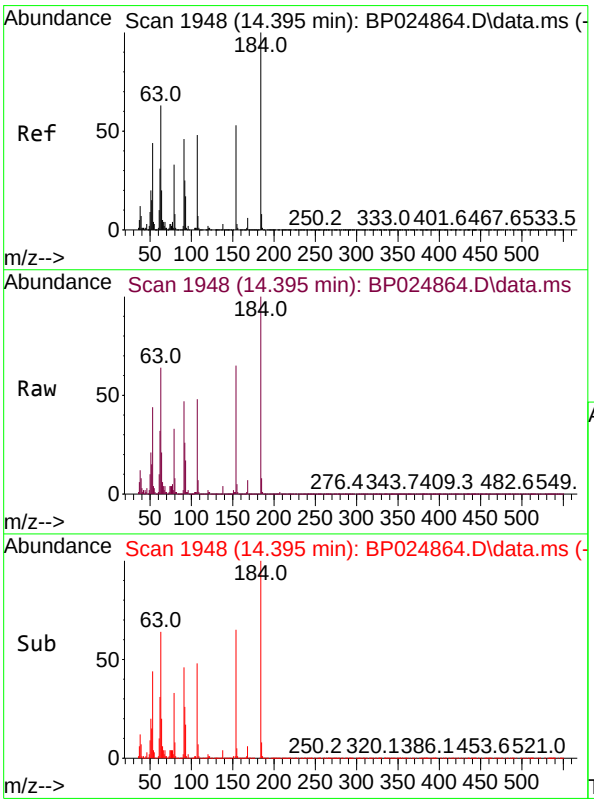
#53
3-Nitroaniline
Concen: 40.971 ng
RT: 14.178 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 459200

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	114.1	91.3	136.9

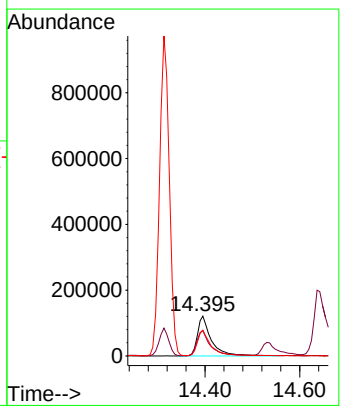


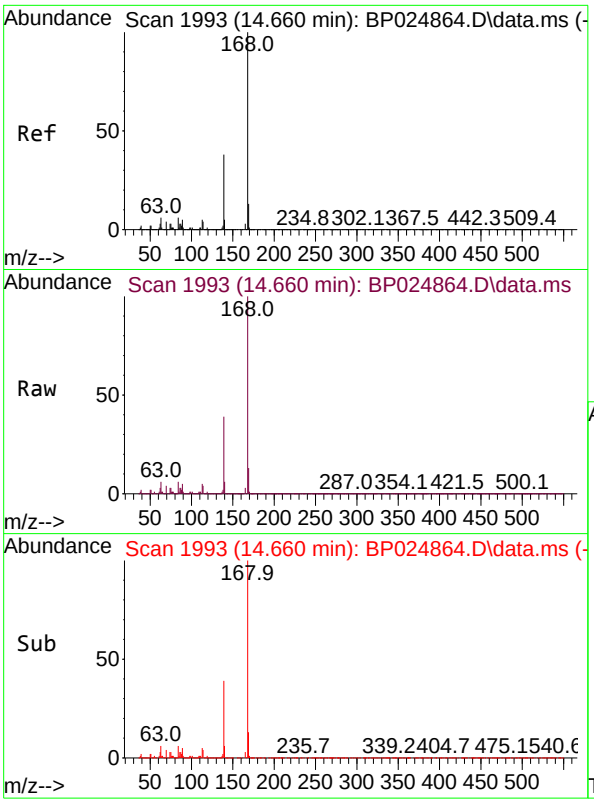


#54
2,4-Dinitrophenol
Concen: 37.658 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:184 Resp: 242575

Ion	Ratio	Lower	Upper
184	100		
63	63.7	51.0	76.4
154	64.6	51.7	77.5



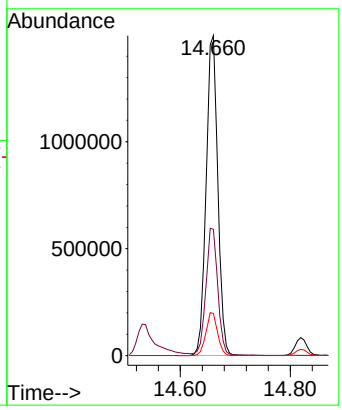


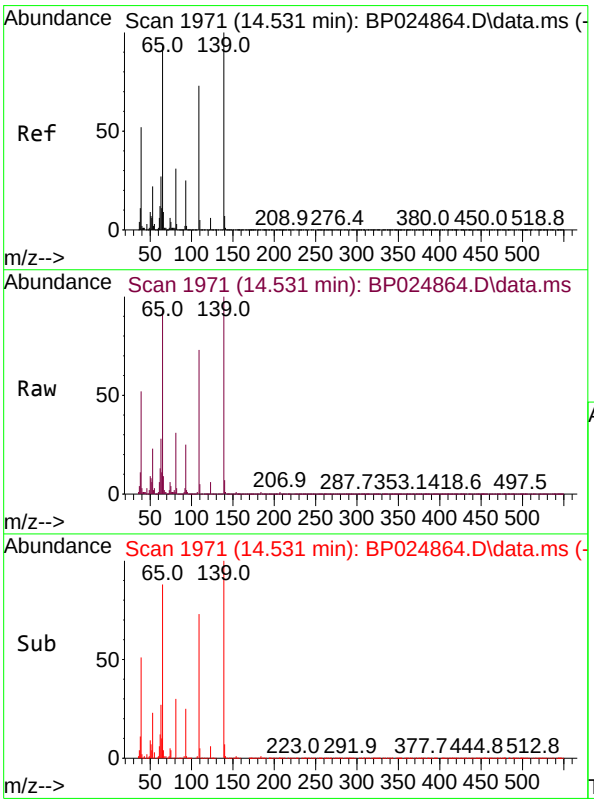
#55
Dibenzofuran
Concen: 37.980 ng
RT: 14.660 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2209494

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.2	10.6	15.8

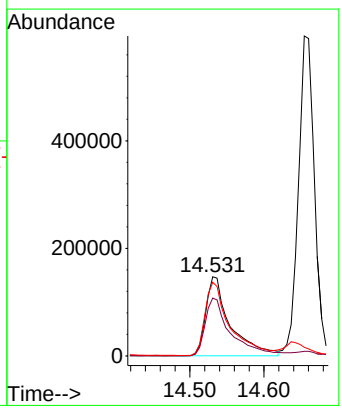


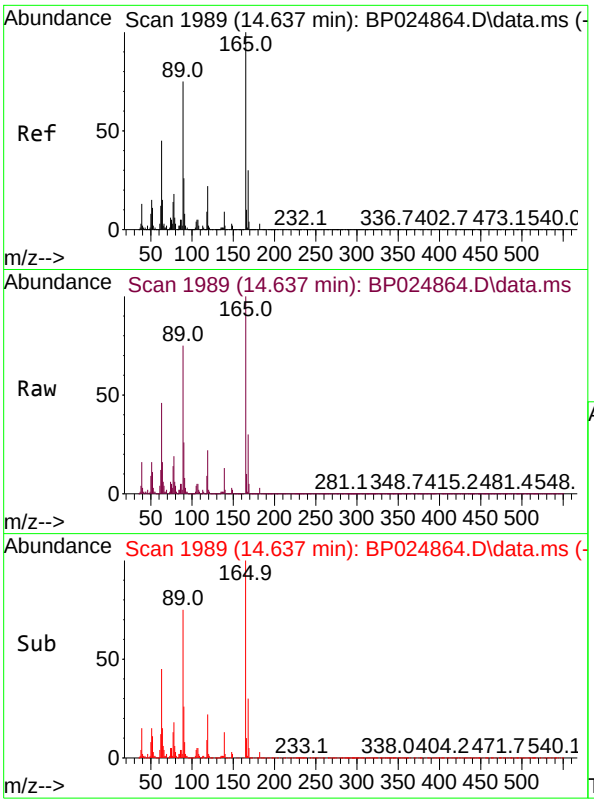


#56
4-Nitrophenol
Concen: 38.472 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:139 Resp: 336462

Ion	Ratio	Lower	Upper
139	100		
109	73.1	53.1	93.1
65	93.0	73.0	113.0



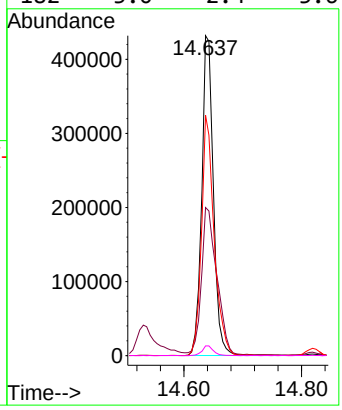


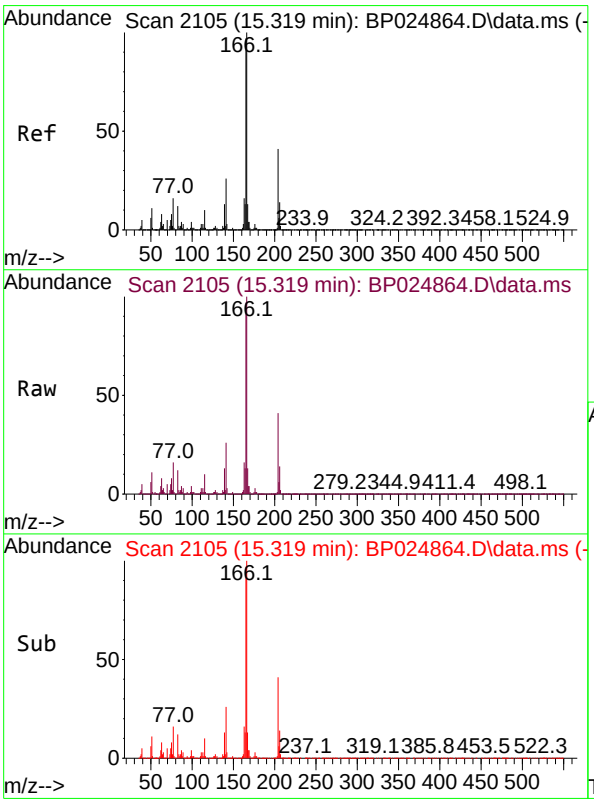
#57
2,4-Dinitrotoluene
Concen: 39.287 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 593534

Ion	Ratio	Lower	Upper
165	100		
63	46.3	37.0	55.6
89	75.1	60.1	90.1
182	3.0	2.4	3.6

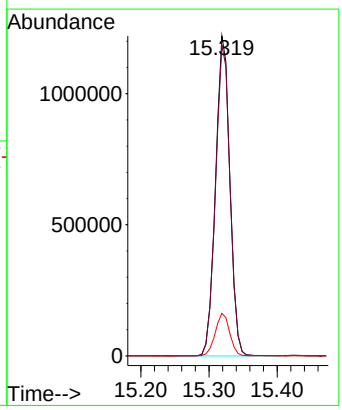


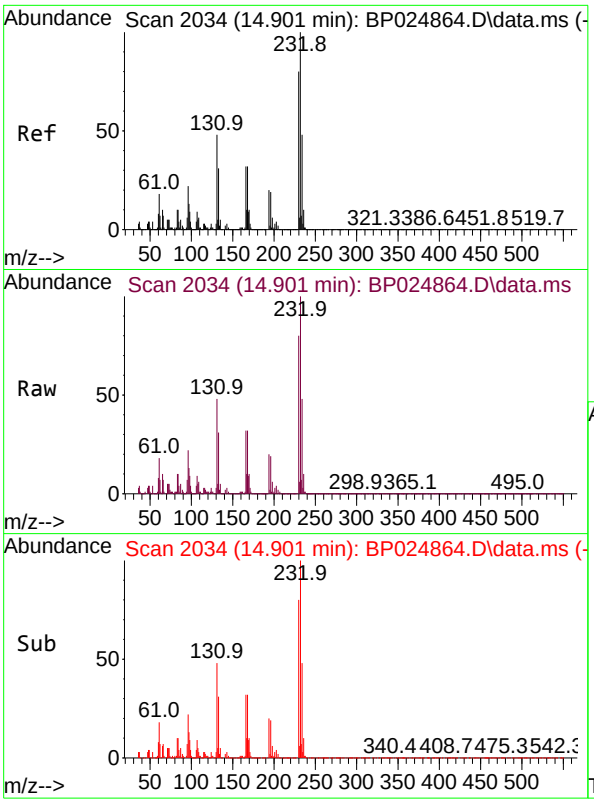


#58
Fluorene
Concen: 37.692 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:166 Resp: 1771367

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.3	10.6	16.0



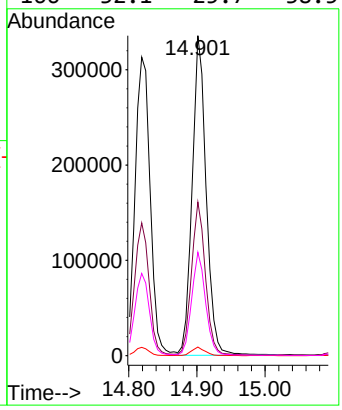


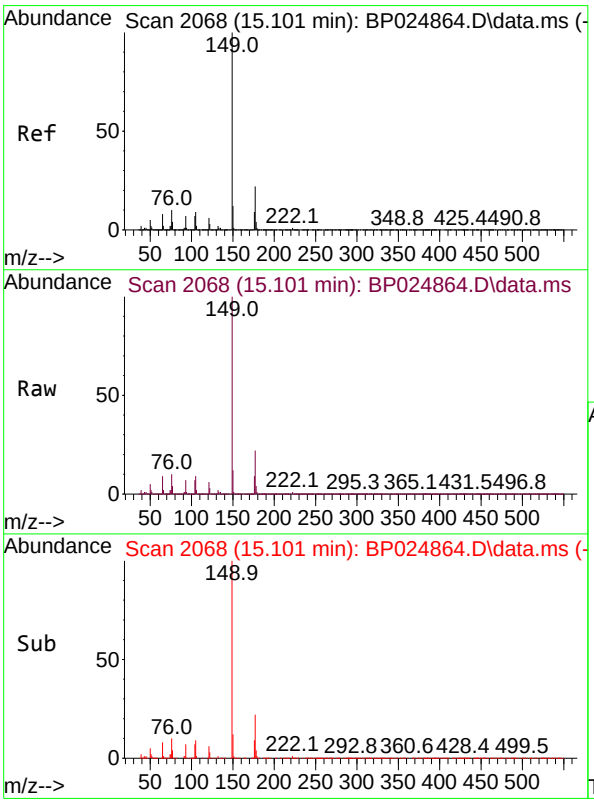
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.773 ng
RT: 14.901 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 480983

Ion	Ratio	Lower	Upper
232	100		
131	47.7	38.2	57.2
130	2.6	2.1	3.1
166	32.1	25.7	38.5

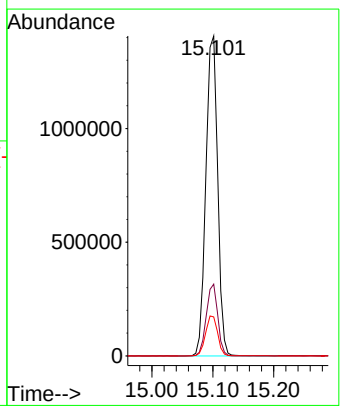


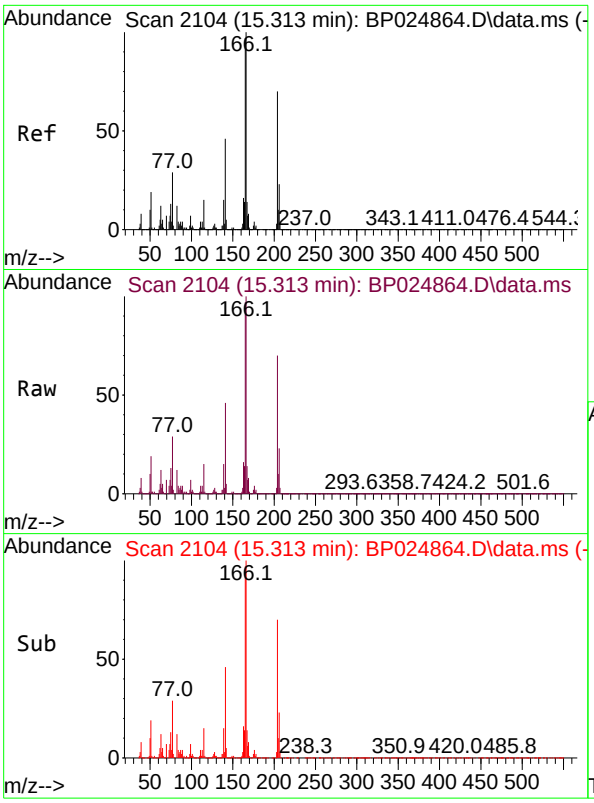


#60
Diethylphthalate
Concen: 37.885 ng
RT: 15.101 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 1891525

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.2	9.8	14.6



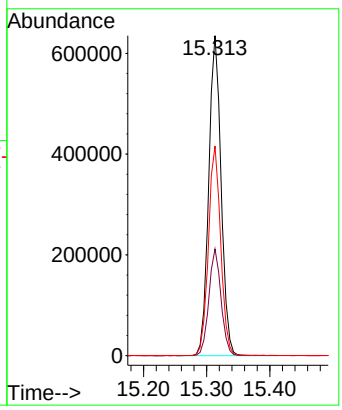


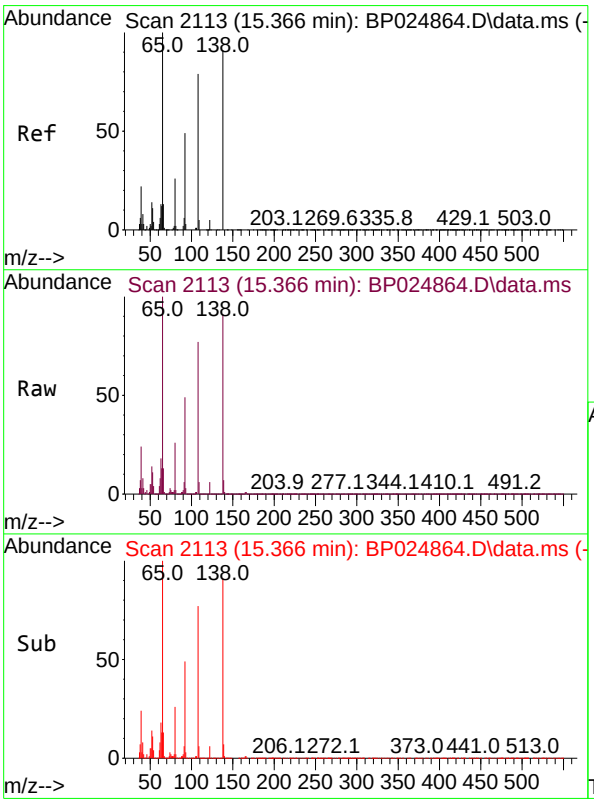
#61
4-Chlorophenyl-phenylether
Concen: 37.629 ng
RT: 15.313 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 864669

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	65.5	52.4	78.6

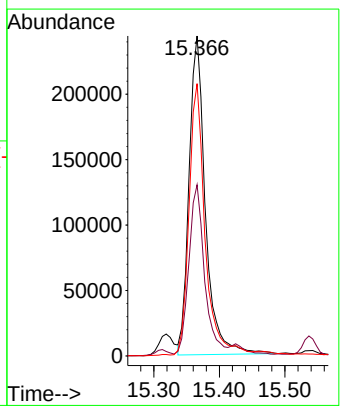


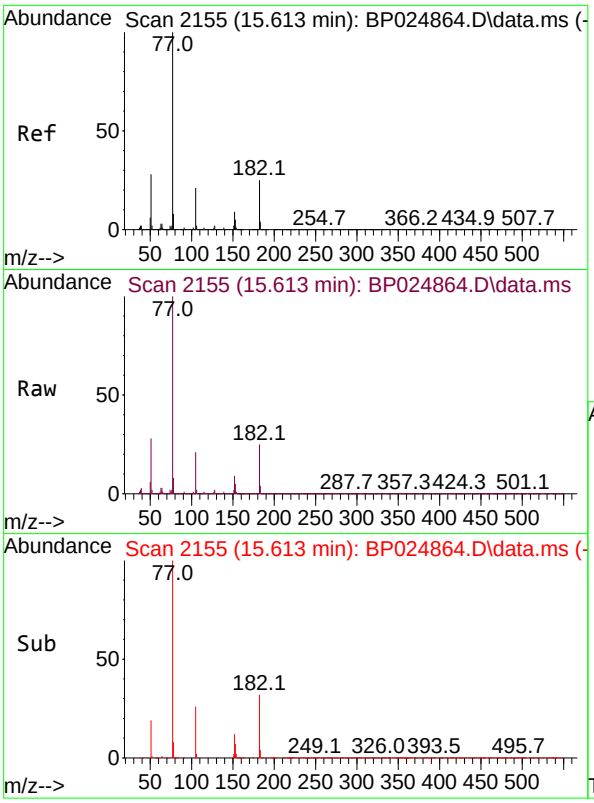


#62
4-Nitroaniline
Concen: 41.533 ng
RT: 15.366 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:138 Resp: 422311

Ion	Ratio	Lower	Upper
138	100		
92	53.5	33.5	73.5
108	85.1	65.1	105.1



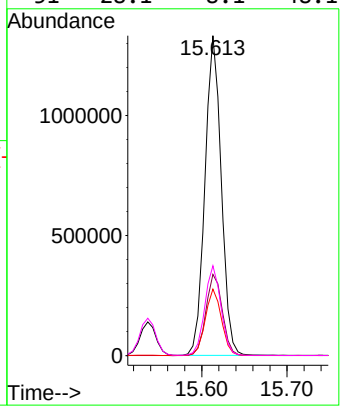


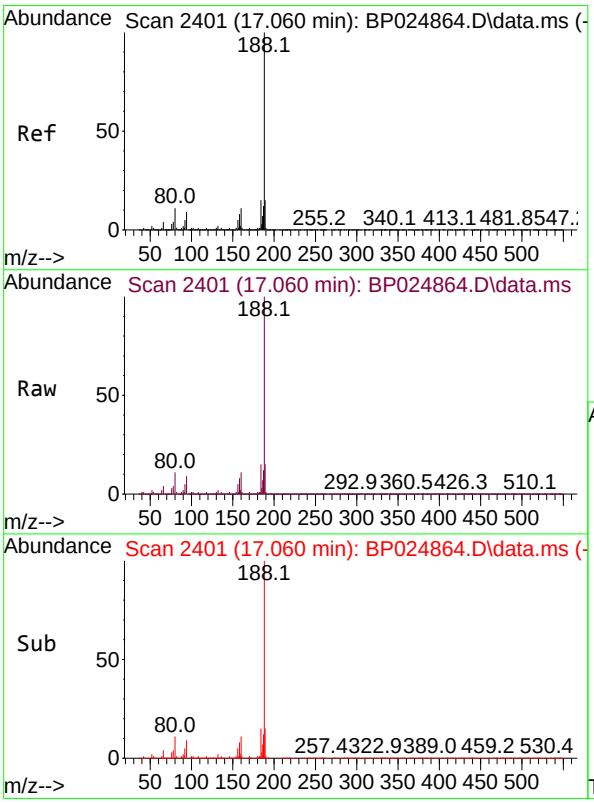
#63
Azobenzene
Concen: 38.557 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1765553

Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.4	45.4
105	20.8	0.8	40.8
51	28.1	8.1	48.1

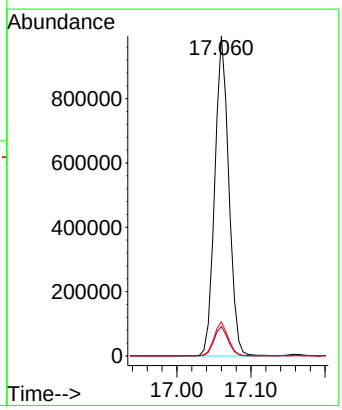


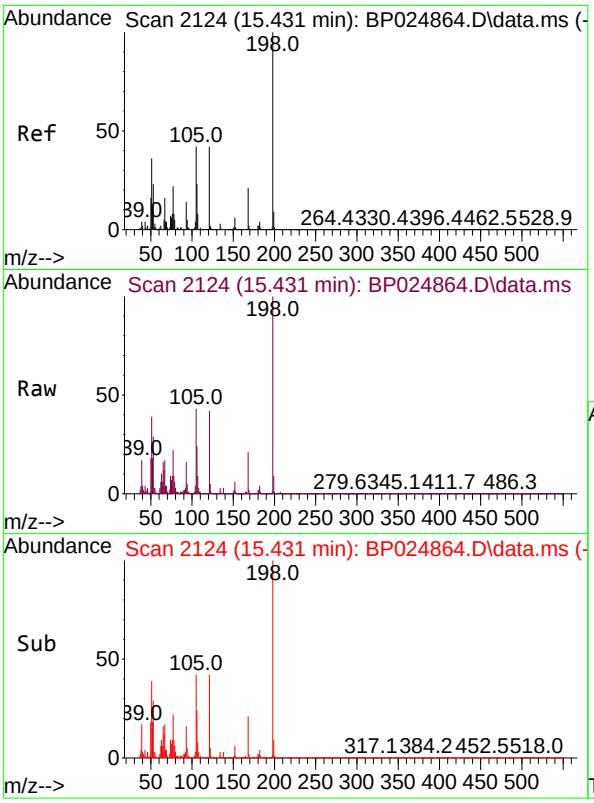


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:188 Resp: 1306481

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.6	8.5	12.7



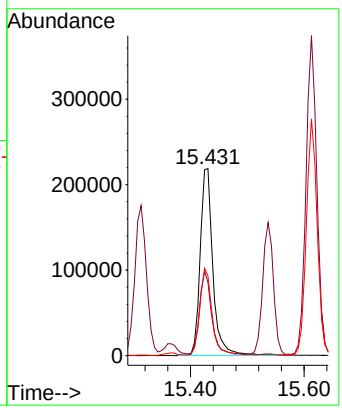


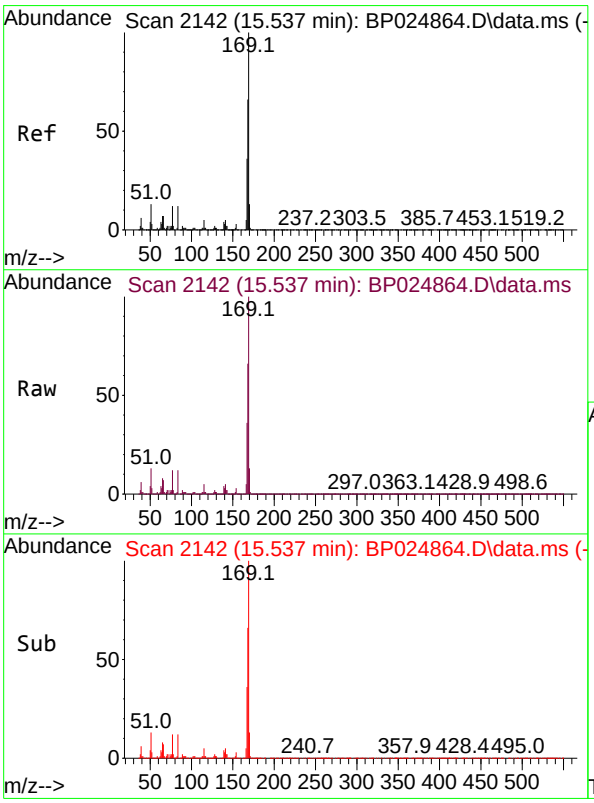
#65
4,6-Dinitro-2-methylphenol
Concen: 39.602 ng
RT: 15.431 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 339975

Ion	Ratio	Lower	Upper
198	100		
51	39.2	19.2	59.2
105	42.6	22.6	62.6

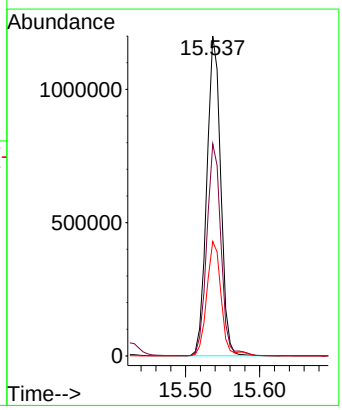


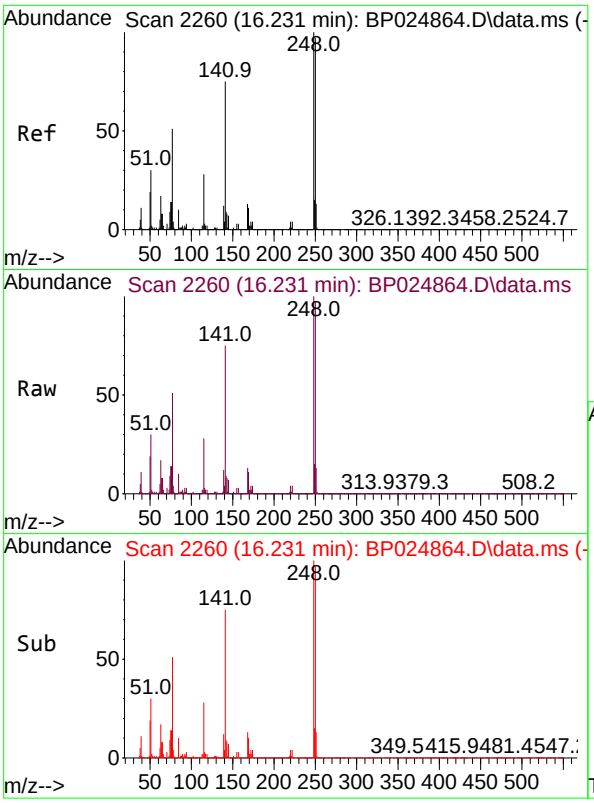


#66
n-Nitrosodiphenylamine
Concen: 38.517 ng
RT: 15.537 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:169 Resp: 1559739

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	35.8	28.6	43.0



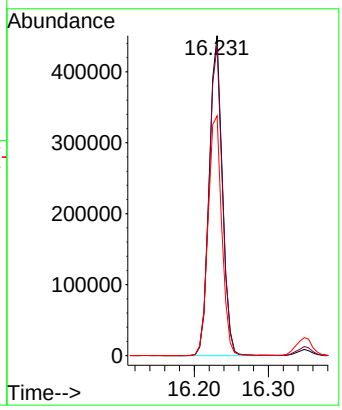


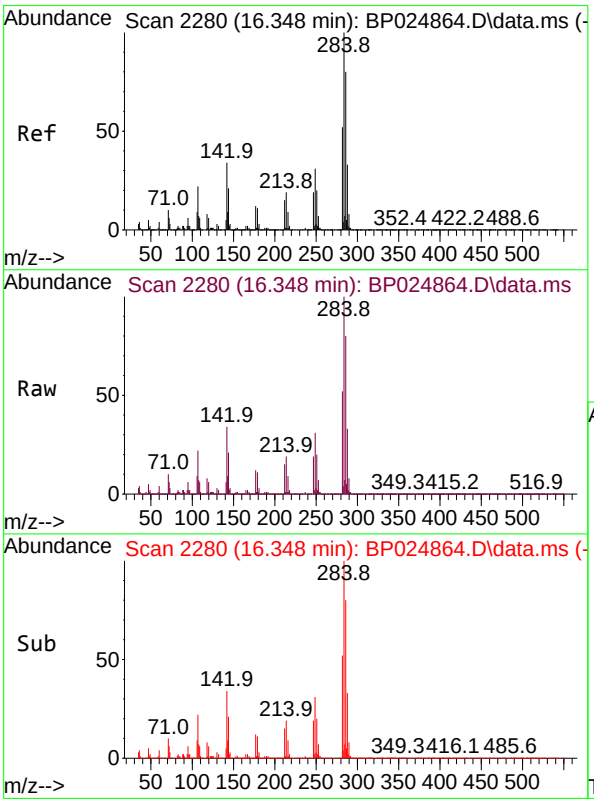
#67
4-Bromophenyl-phenylether
Concen: 37.758 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 556600

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.4	116.2
141	74.9	59.9	89.9

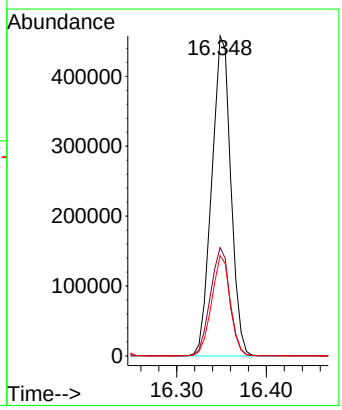


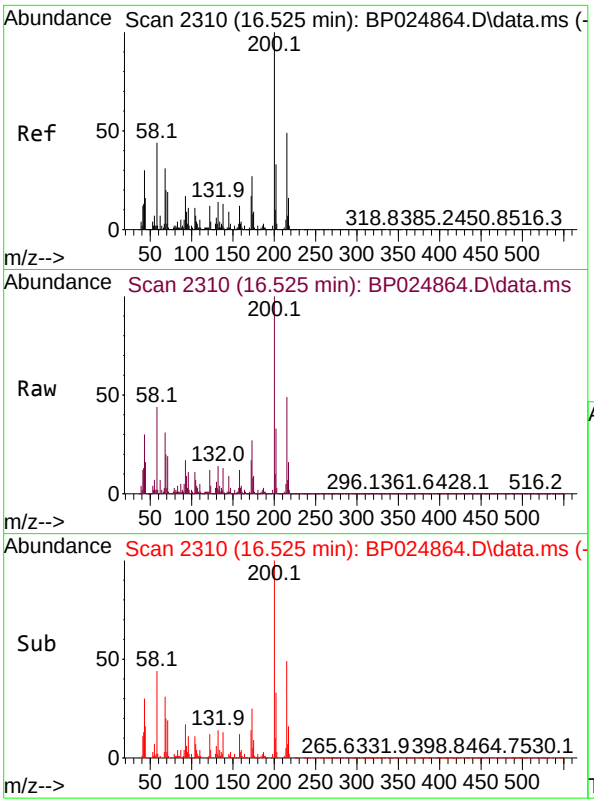


#68
Hexachlorobenzene
Concen: 38.085 ng
RT: 16.348 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:284 Resp: 680613

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.3	25.0	37.6



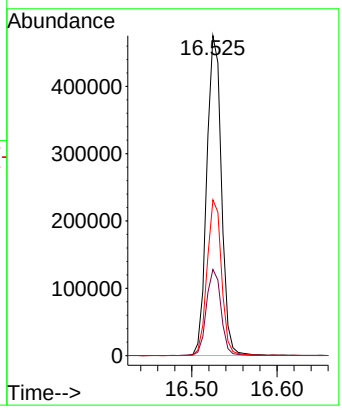


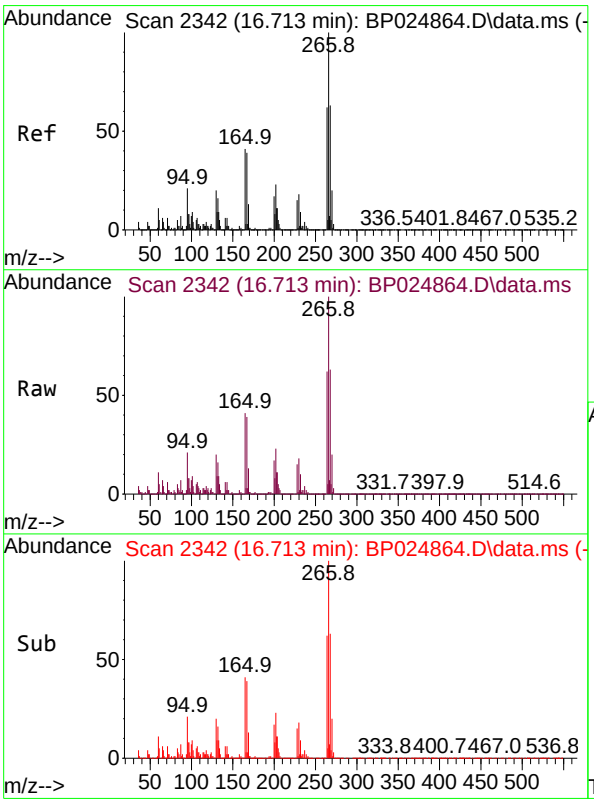
#69
Atrazine
Concen: 38.691 ng
RT: 16.525 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 567988

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.9	46.9
215	48.7	28.7	68.7

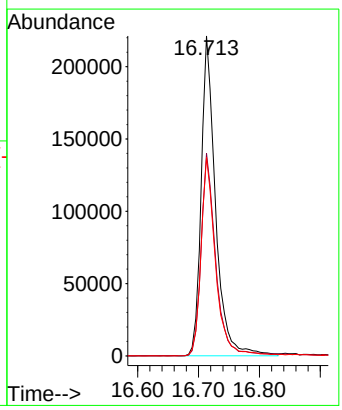


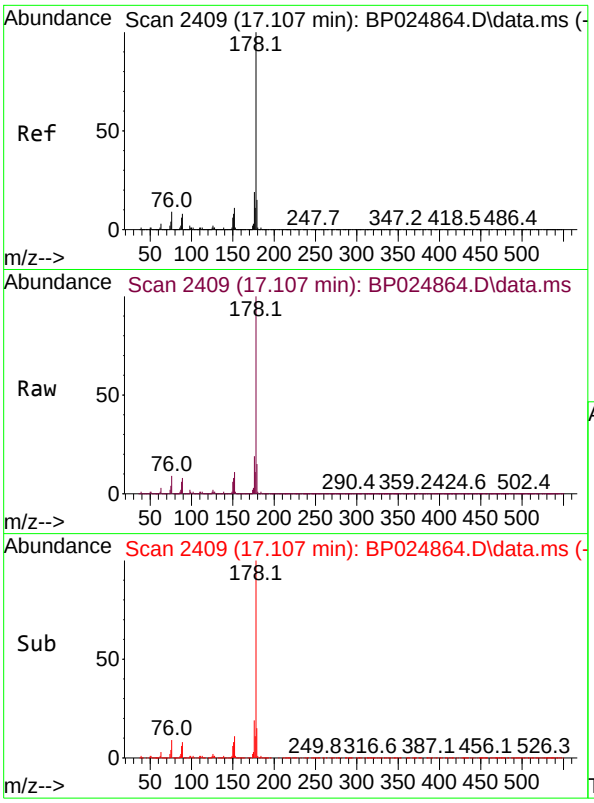


#70
Pentachlorophenol
Concen: 39.157 ng
RT: 16.713 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:266 Resp: 362165

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	76.0
264	62.1	49.7	74.5



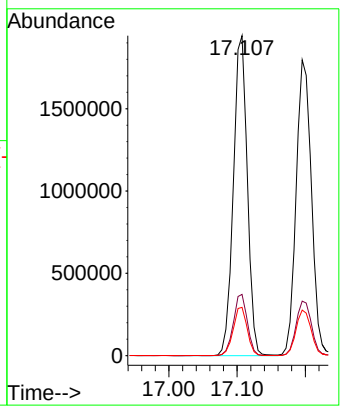


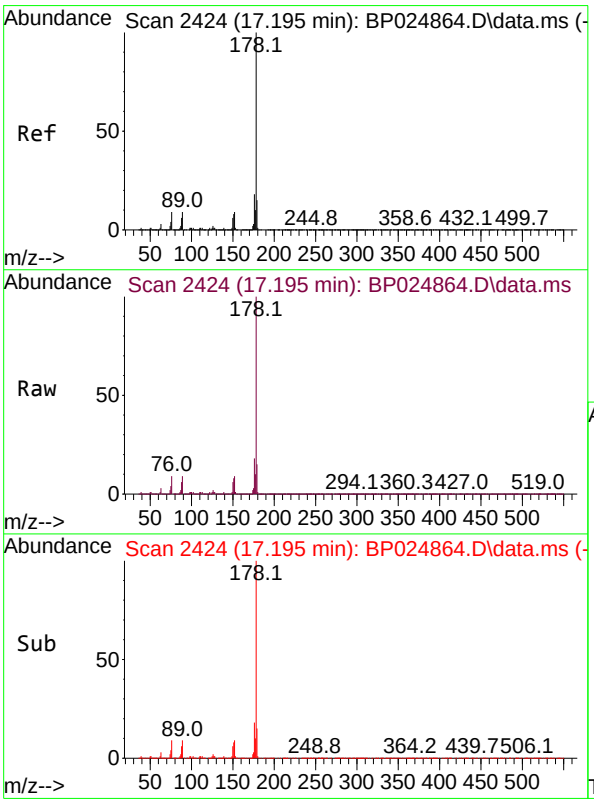
#71
Phenanthrene
Concen: 38.231 ng
RT: 17.107 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2760162

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1

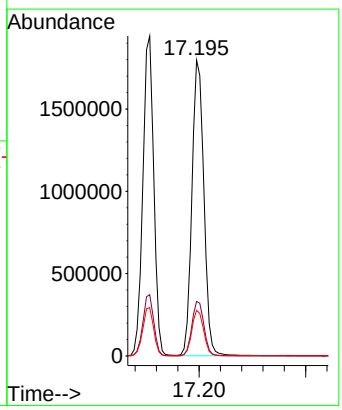


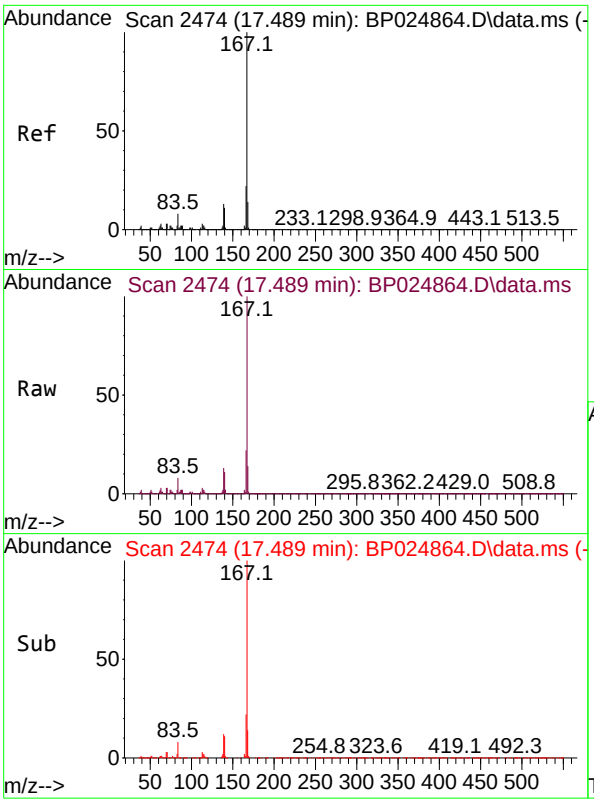


#72
Anthracene
Concen: 38.291 ng
RT: 17.195 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:178 Resp: 2799870

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.3	18.5



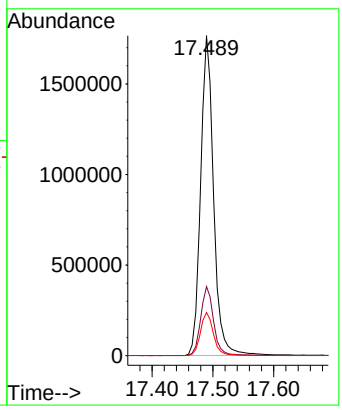


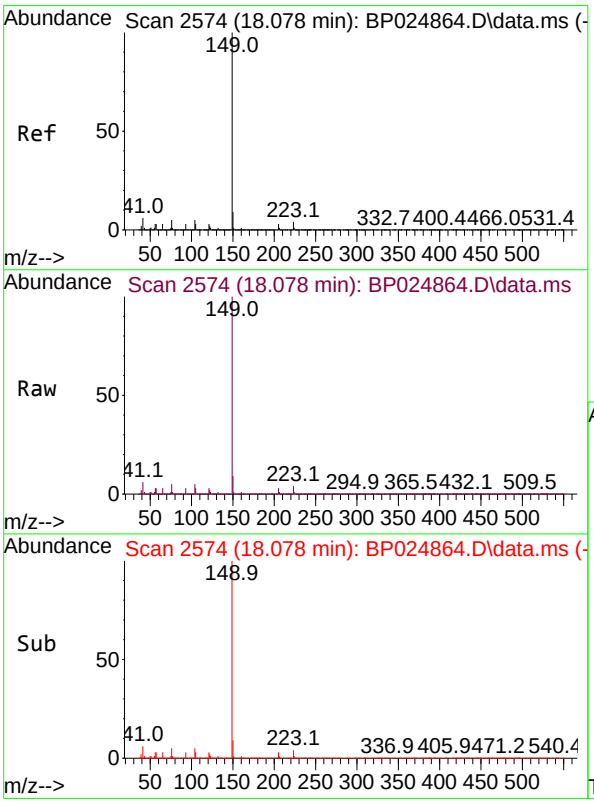
#73
Carbazole
Concen: 38.474 ng
RT: 17.489 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2607544

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.5	10.8	16.2

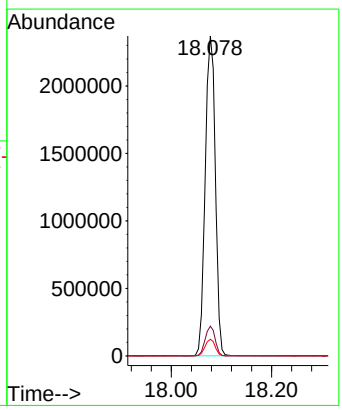


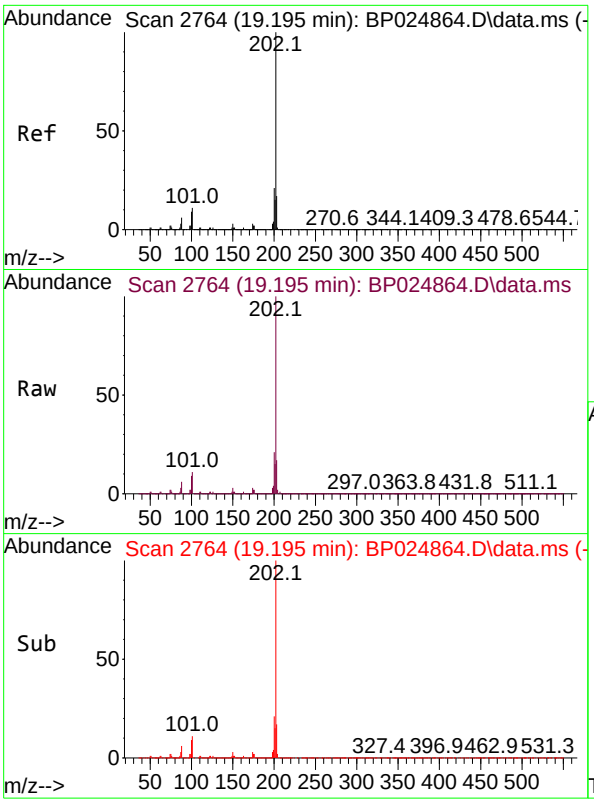


#74
Di-n-butylphthalate
Concen: 39.589 ng
RT: 18.078 min Scan# 2574
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 3324411

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2



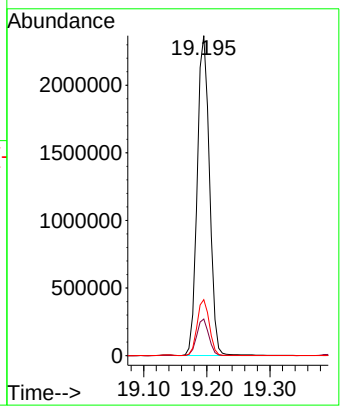


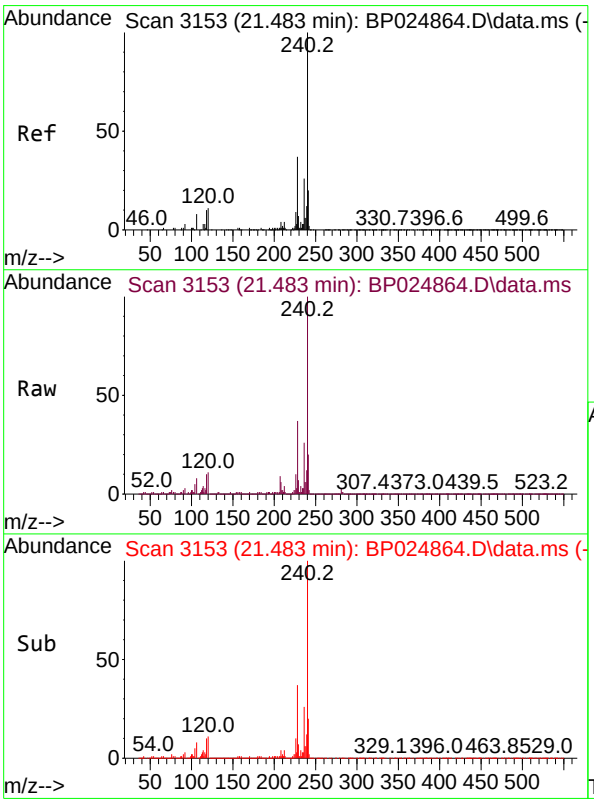
#75
Fluoranthene
Concen: 38.177 ng
RT: 19.195 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3194654

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5

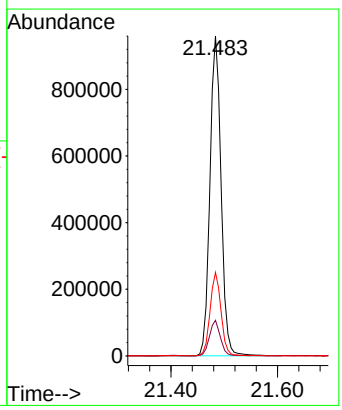


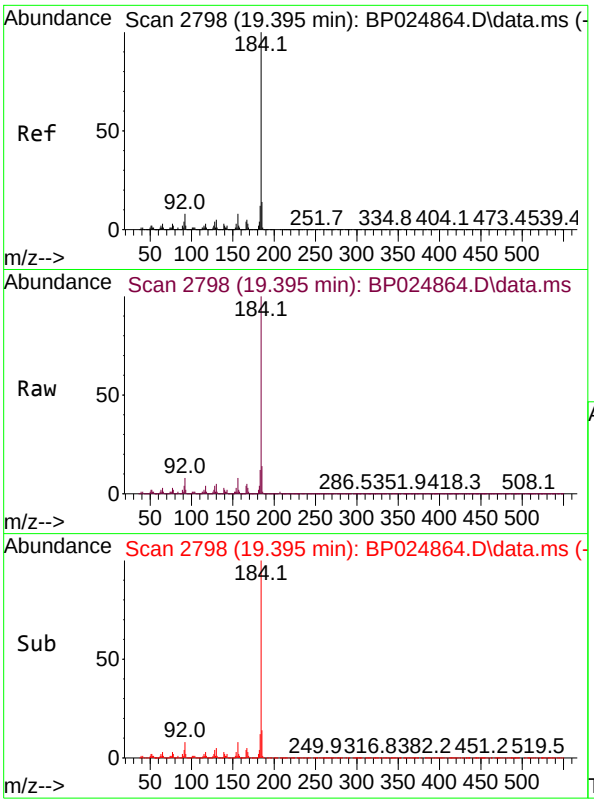


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:240 Resp: 1397384

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	26.1	20.9	31.3



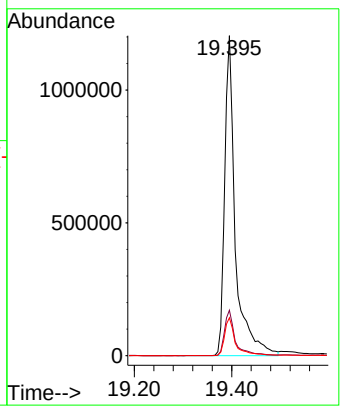


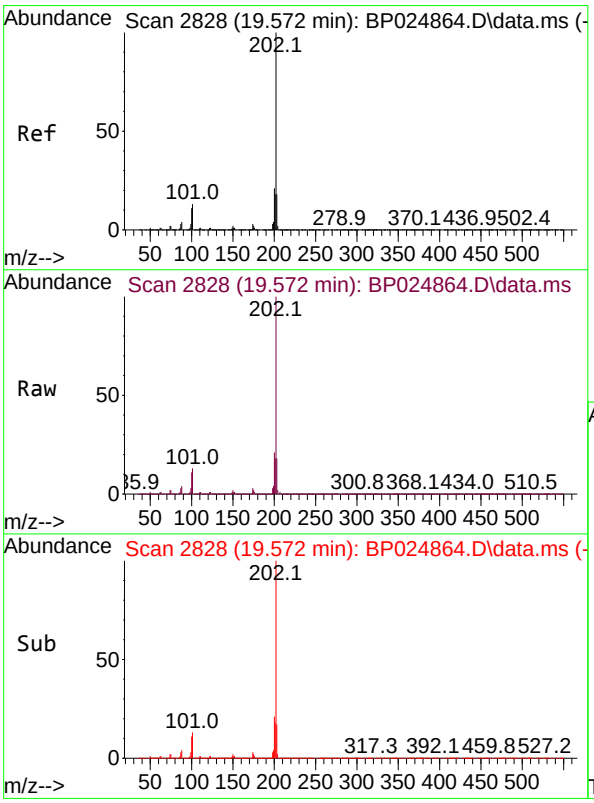
#77
Benzidine
Concen: 42.168 ng
RT: 19.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1825007

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.9	9.5	14.3

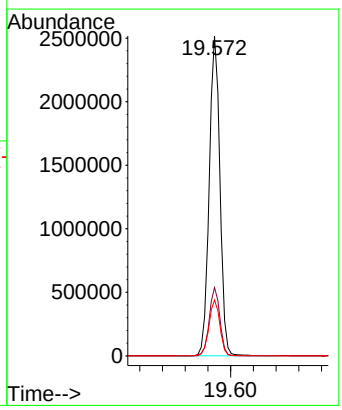


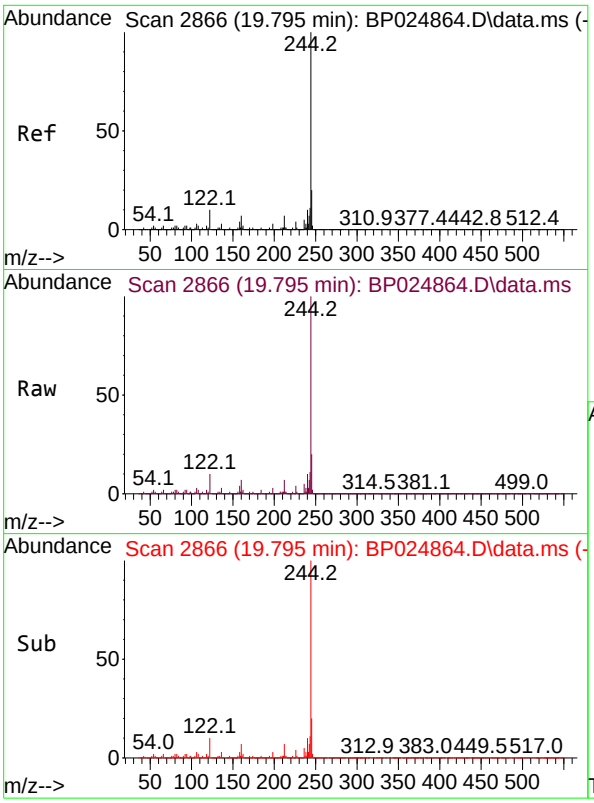


#78
Pyrene
Concen: 37.906 ng
RT: 19.572 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:202 Resp: 3309259

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.5	14.0	21.0



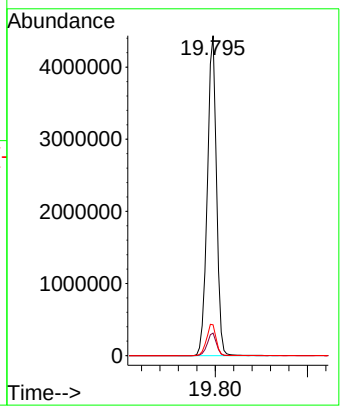


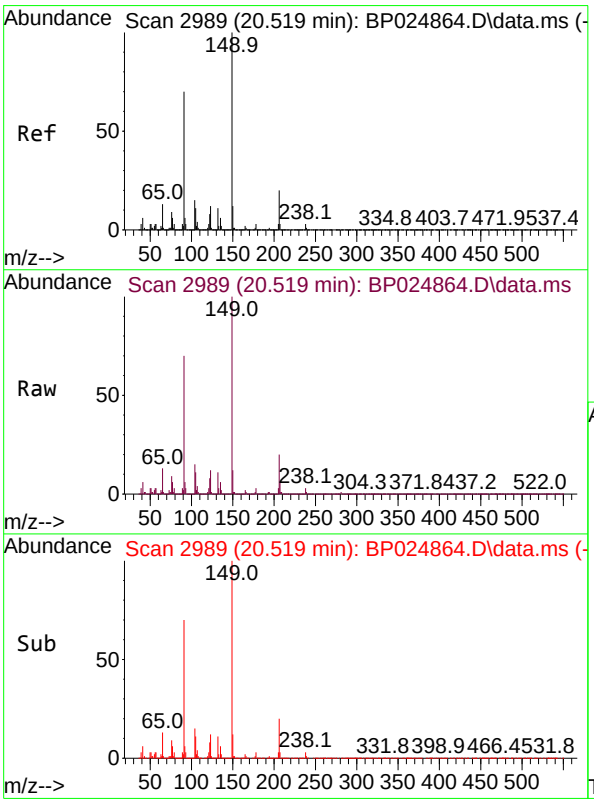
#79
Terphenyl-d14
Concen: 78.103 ng
RT: 19.795 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6089552

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.6	7.7	11.5

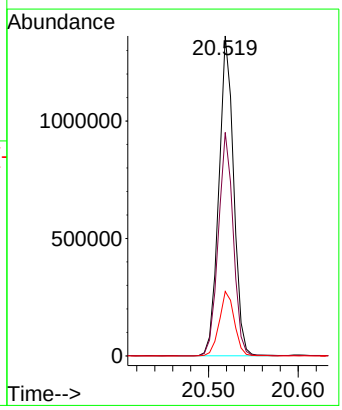


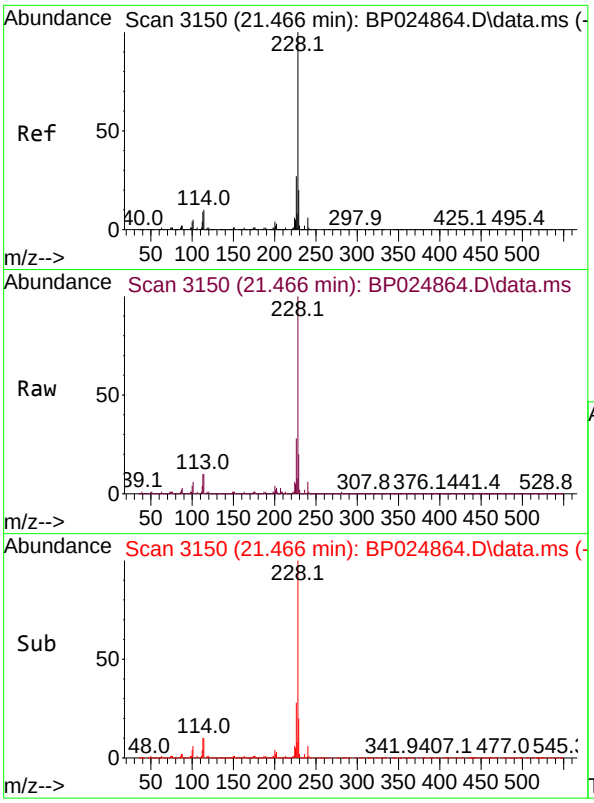


#80
Butylbenzylphthalate
Concen: 39.243 ng
RT: 20.519 min Scan# 2989
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 1569262

Ion	Ratio	Lower	Upper
149	100		
91	69.8	55.8	83.8
206	20.2	16.2	24.2



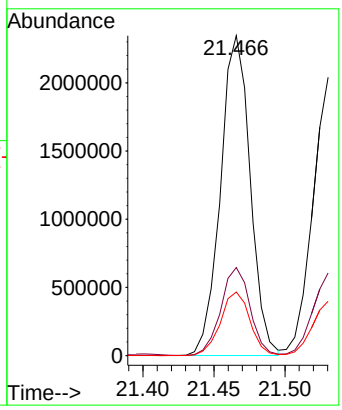


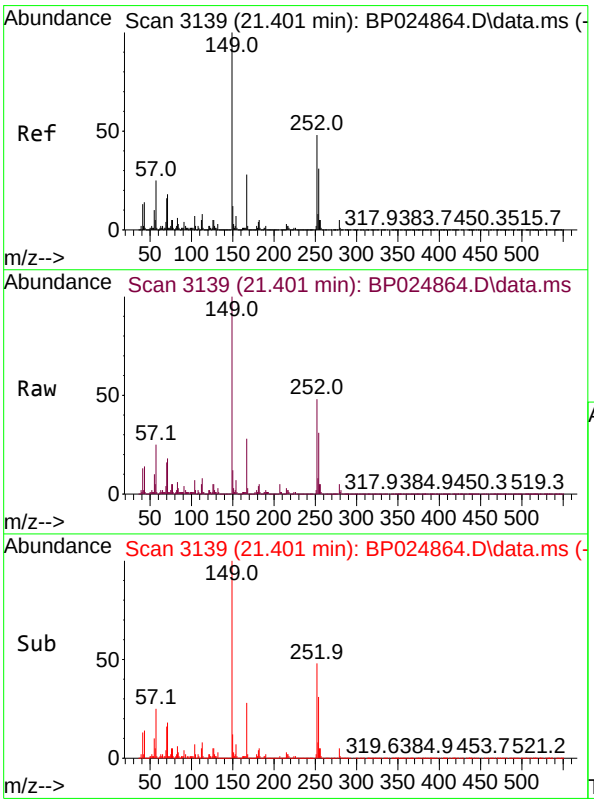
#81
Benzo(a)anthracene
Concen: 38.131 ng
RT: 21.466 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3407877

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.9	15.9	23.9

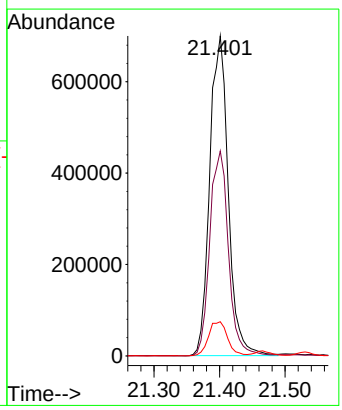


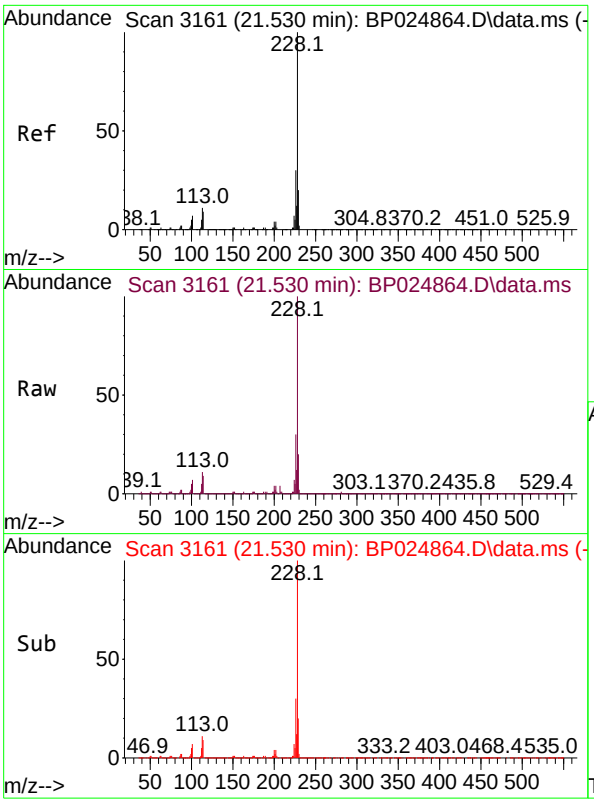


#82
3,3'-Dichlorobenzidine
Concen: 38.820 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 1377414

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.2	76.8
126	10.7	8.6	12.8



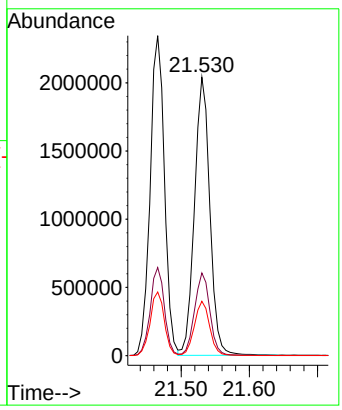


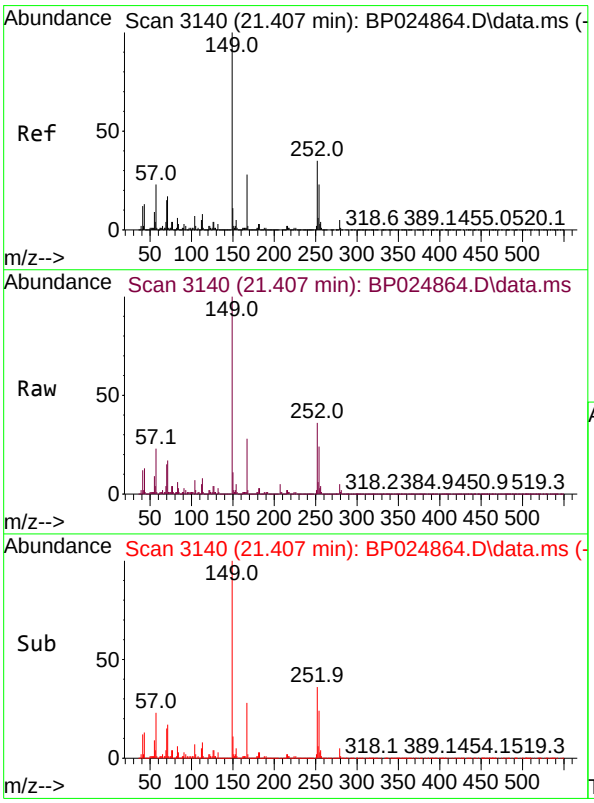
#83
Chrysene
Concen: 37.748 ng
RT: 21.530 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3196624

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.5	15.6	23.4

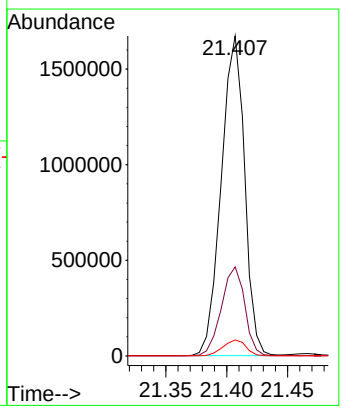


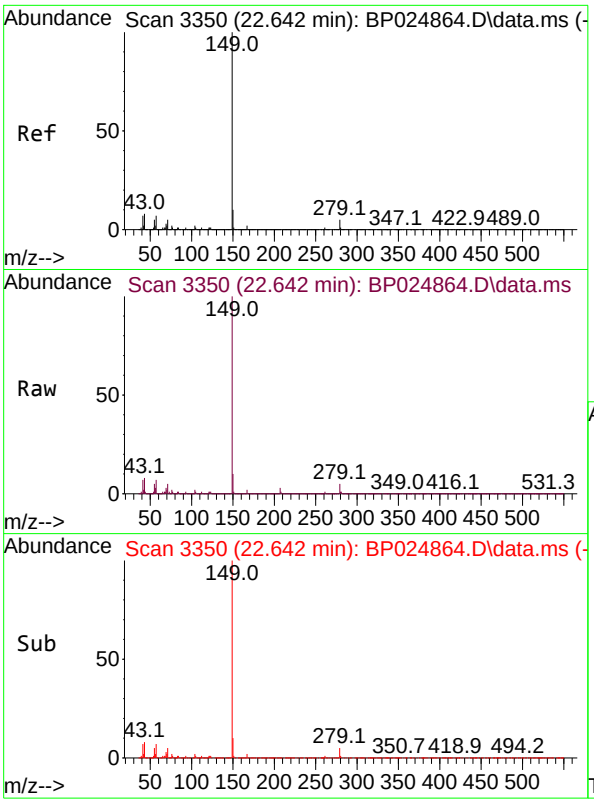


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.886 ng
RT: 21.407 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 2227904

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	5.0	4.0	6.0



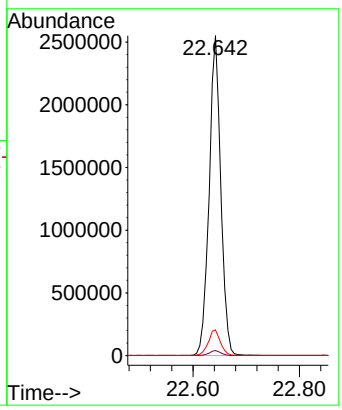


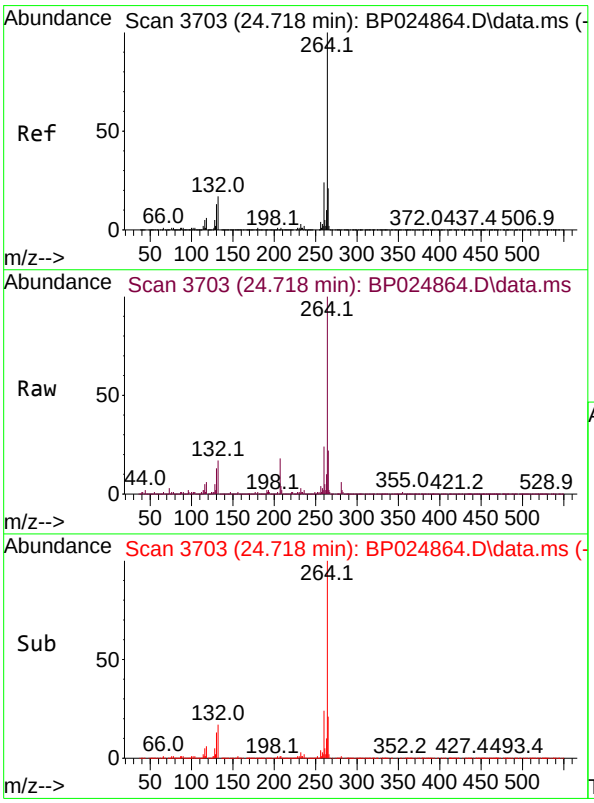
#85
Di-n-octyl phthalate
Concen: 38.306 ng
RT: 22.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3868411

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.6	10.0

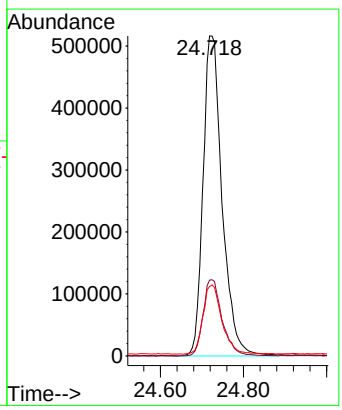


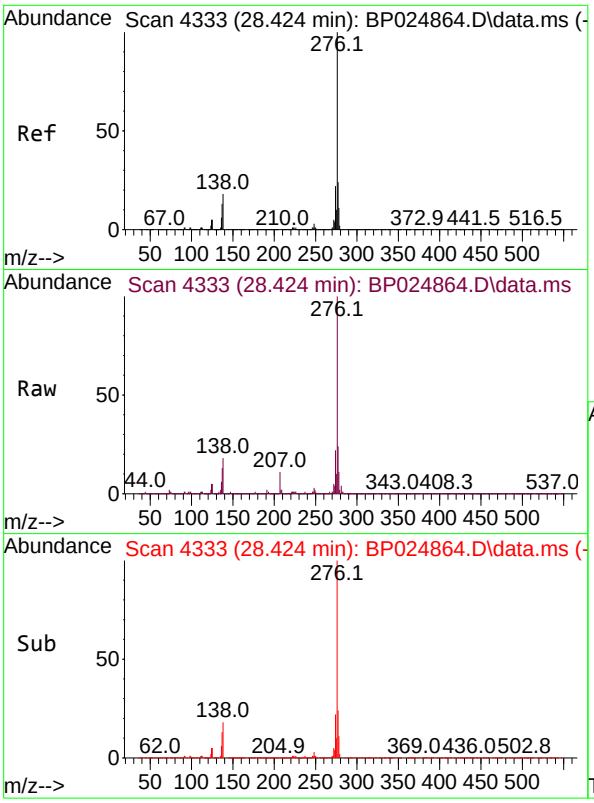


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.718 min Scan# 3703
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:264 Resp: 1643252

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.7	17.4	26.0



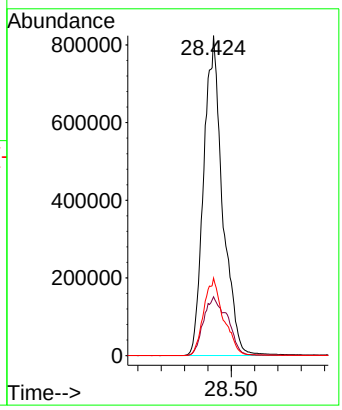


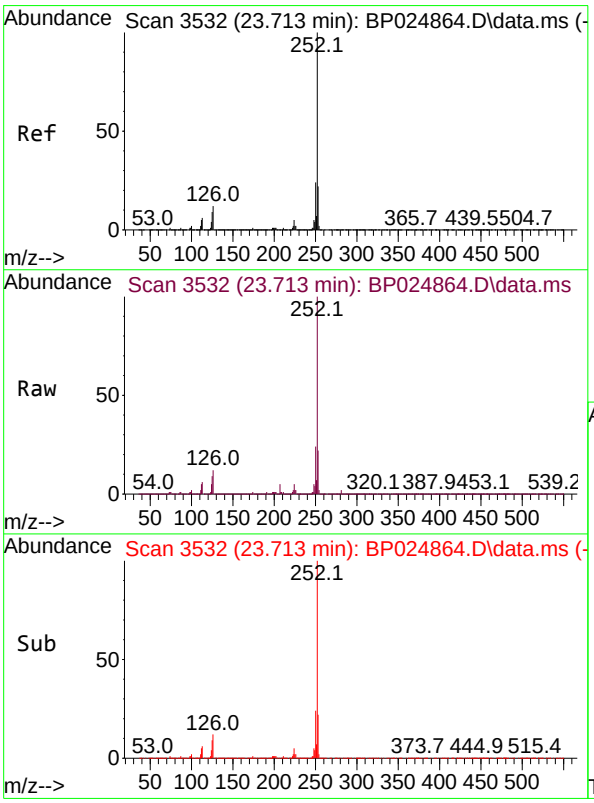
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.704 ng
RT: 28.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4640451

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.6	27.8
277	25.3	20.2	30.4

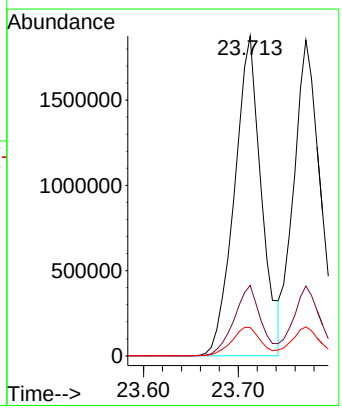


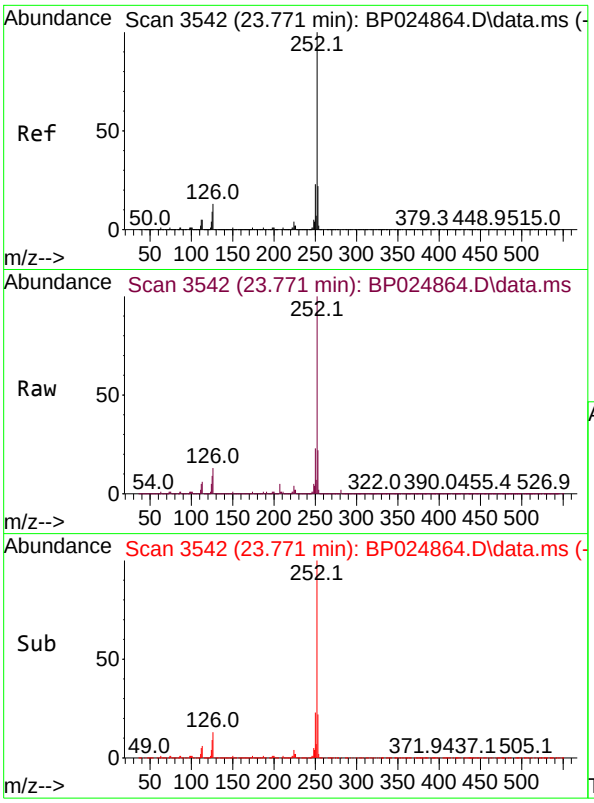


#88
Benzo(b)fluoranthene
Concen: 39.393 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 3704546

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.9	7.1	10.7



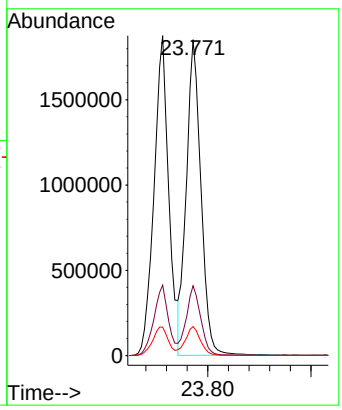


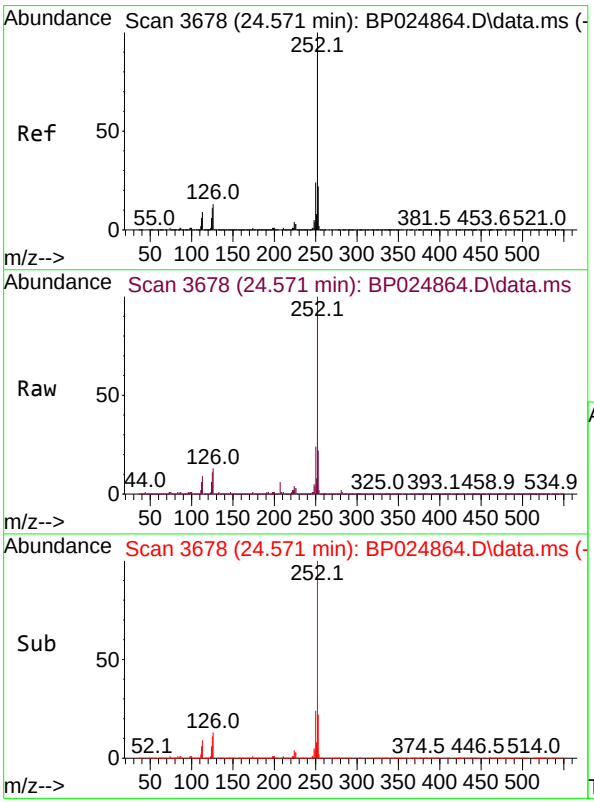
#89
Benzo(k)fluoranthene
Concen: 37.979 ng
RT: 23.771 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3635617

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.2	7.4	11.0

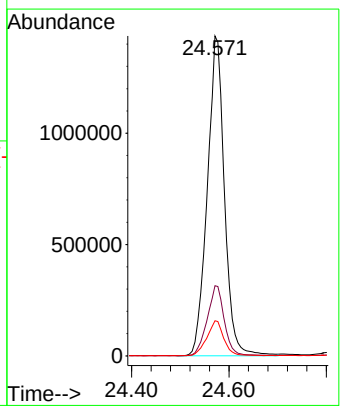


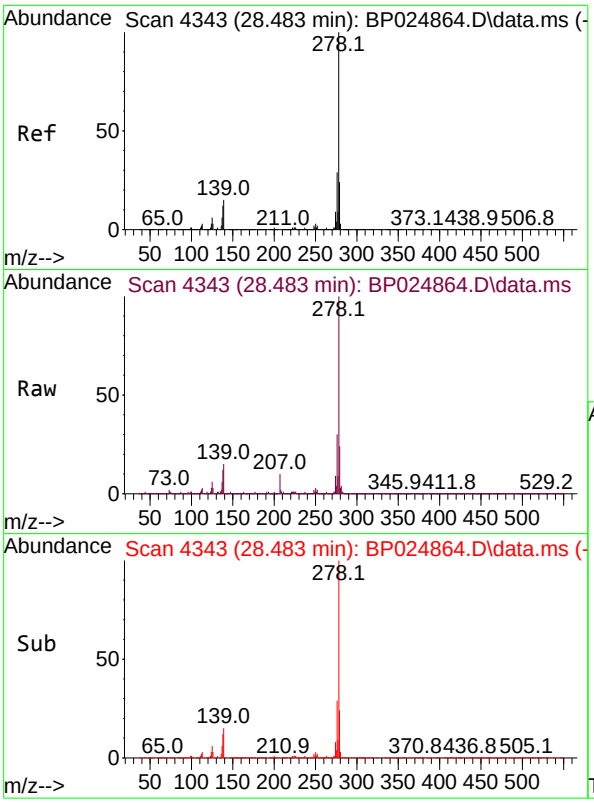


#90
Benzo(a)pyrene
Concen: 38.291 ng
RT: 24.571 min Scan# 3678
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 3516755

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.0	8.8	13.2



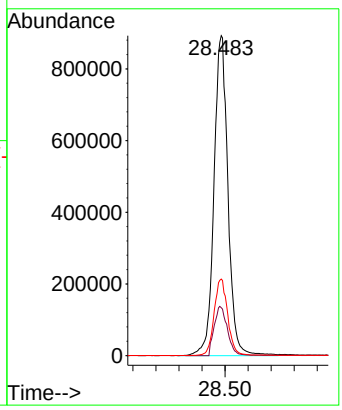


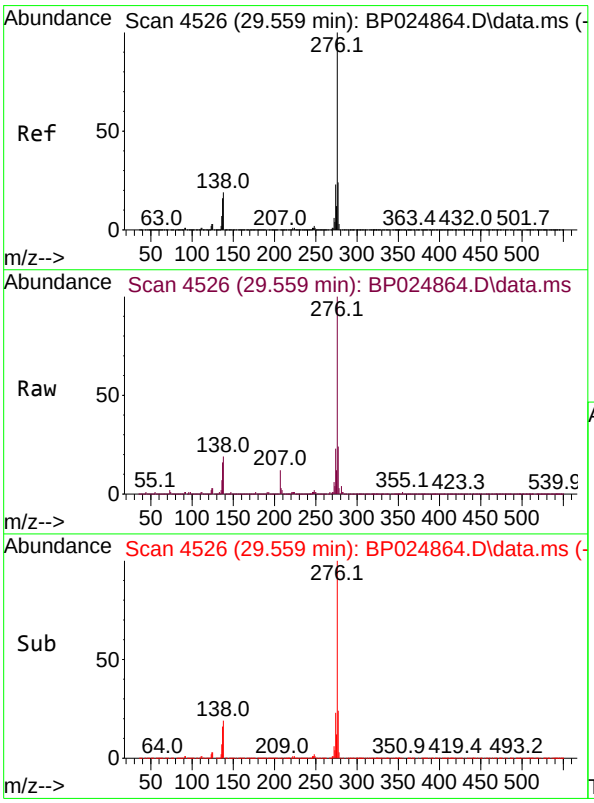
#91
Dibenzo(a,h)anthracene
Concen: 38.499 ng
RT: 28.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3757160

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.0	18.0
279	23.9	19.1	28.7

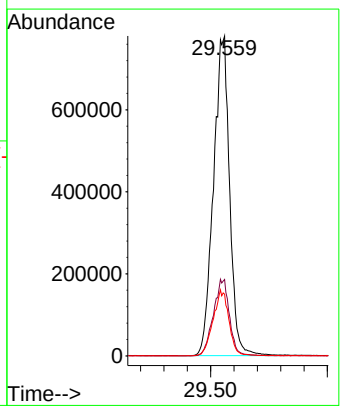




#92
Benzo(g,h,i)perylene
Concen: 38.569 ng
RT: 29.559 min Scan# 4526
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:276 Resp: 3734621

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	19.3	15.4	23.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	235518	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	975092	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	631564	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1197709	20.000	ng	0.01
76) Chrysene-d12	21.501	240	1276071	20.000	ng	0.02
86) Perylene-d12	24.742	264	1475251	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1510671	107.067	ng	0.00
7) Phenol-d6	6.813	99	1973616	105.719	ng	0.00
23) Nitrobenzene-d5	8.760	82	2165794	107.931	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	940592	107.721	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4934980	105.263	ng	0.00
79) Terphenyl-d14	19.801	244	7428863	104.339	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	321356	51.761	ng	100
3) Pyridine	3.567	79	806405	54.010	ng	98
4) n-Nitrosodimethylamine	3.478	42	319345	52.317	ng	98
6) Aniline	6.955	93	1263250	53.024	ng	100
8) 2-Chlorophenol	7.190	128	855311	53.473	ng	99
9) Benzaldehyde	6.766	77	579996	53.748	ng	99
10) Phenol	6.843	94	1015401	52.761	ng	99
11) bis(2-Chloroethyl)ether	7.049	93	802393	53.010	ng	99
12) 1,3-Dichlorobenzene	7.502	146	925262	51.854	ng	99
13) 1,4-Dichlorobenzene	7.643	146	944146	52.440	ng	100
14) 1,2-Dichlorobenzene	7.960	146	906741	51.287	ng	99
15) Benzyl Alcohol	7.860	79	758909	52.968	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	1030911	52.035	ng	99
17) 2-Methylphenol	8.066	107	712455	53.013	ng	100
18) Hexachloroethane	8.672	117	359979	53.107	ng	99
19) n-Nitroso-di-n-propyla...	8.413	70	671592	52.919	ng	99
20) 3+4-Methylphenols	8.396	107	960504	52.385	ng	97
22) Acetophenone	8.431	105	1304864	52.966	ng	99
24) Nitrobenzene	8.802	77	955872	53.620	ng	99
25) Isophorone	9.325	82	1862532	53.556	ng	100
26) 2-Nitrophenol	9.513	139	489550	55.657	ng	99
27) 2,4-Dimethylphenol	9.578	122	806896	53.602	ng	99
28) bis(2-Chloroethoxy)met...	9.801	93	1133590	54.643	ng	99
29) 2,4-Dichlorophenol	10.054	162	797316	55.201	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	857570	52.640	ng	98
31) Naphthalene	10.437	128	2630251	52.637	ng	100
32) Benzoic acid	9.772	122	561400	55.936	ng	98
33) 4-Chloroaniline	10.548	127	1148401	54.855	ng	99
34) Hexachlorobutadiene	10.713	225	532031	54.184	ng	98
35) Caprolactam	11.354	113	288081	54.183	ng	98
36) 4-Chloro-3-methylphenol	11.701	107	912092	54.747	ng	99
37) 2-Methylnaphthalene	12.048	142	1697018	53.539	ng	99
38) 1-Methylnaphthalene	12.272	142	1807332	53.333	ng	98
40) 1,2,4,5-Tetrachloroben...	12.419	216	949667	52.992	ng	100
41) Hexachlorocyclopentadiene	12.395	237	638568	58.420	ng	100
43) 2,4,6-Trichlorophenol	12.678	196	649483	53.966	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	707702	54.908	ng		99
46) 1,1'-Biphenyl	13.072	154	2382821	51.916	ng		99
47) 2-Chloronaphthalene	13.113	162	1849683	52.435	ng		100
48) 2-Nitroaniline	13.337	65	586484	54.079	ng		99
49) Acenaphthylene	13.978	152	3062130	52.061	ng		100
50) Dimethylphthalate	13.719	163	2447212	52.527	ng		100
51) 2,6-Dinitrotoluene	13.837	165	535050	53.272	ng		98
52) Acenaphthene	14.325	154	1716357	50.924	ng		99
53) 3-Nitroaniline	14.178	138	580183	55.664	ng		99
54) 2,4-Dinitrophenol	14.401	184	321110	51.248	ng		95
55) Dibenzofuran	14.666	168	2773911	51.272	ng		99
56) 4-Nitrophenol	14.531	139	435101	51.384	ng		96
57) 2,4-Dinitrotoluene	14.648	165	768586	54.706	ng		98
58) Fluorene	15.331	166	2264731	51.819	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.907	232	623685	54.063	ng		100
60) Diethylphthalate	15.101	149	2438733	52.523	ng		99
61) 4-Chlorophenyl-phenyle...	15.319	204	1118999	52.365	ng		99
62) 4-Nitroaniline	15.372	138	530012	56.050	ng		96
63) Azobenzene	15.619	77	2249353	52.821	ng		100
65) 4,6-Dinitro-2-methylph...	15.431	198	439647	55.863	ng		98
66) n-Nitrosodiphenylamine	15.542	169	1974147	53.178	ng		100
67) 4-Bromophenyl-phenylether	16.236	248	737798	54.595	ng		97
68) Hexachlorobenzene	16.354	284	867444	52.948	ng		99
69) Atrazine	16.531	200	732007	54.392	ng		98
70) Pentachlorophenol	16.725	266	486264	57.349	ng		99
71) Phenanthrene	17.113	178	3477677	52.543	ng		100
72) Anthracene	17.201	178	3558691	53.089	ng		99
73) Carbazole	17.495	167	3330211	53.599	ng		100
74) Di-n-butylphthalate	18.077	149	4253447	55.253	ng		100
75) Fluoranthene	19.201	202	4024039	52.455	ng		100
77) Benzidine	19.413	184	2202092	55.718	ng		100
78) Pyrene	19.577	202	4217295	52.900	ng		100
80) Butylbenzylphthalate	20.530	149	2045307	56.010	ng		99
81) Benzo(a)anthracene	21.477	228	4296840	52.648	ng		100
82) 3,3'-Dichlorobenzidine	21.401	252	1730292	53.402	ng		99
83) Chrysene	21.548	228	4080671	52.768	ng		99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2938577	56.166	ng		99
85) Di-n-octyl phthalate	22.642	149	5061827	54.889	ng		100
87) Indeno(1,2,3-cd)pyrene	28.424	276	5749111	53.412	ng	#	93
88) Benzo(b)fluoranthene	23.701	252	4545535	53.840	ng		100
89) Benzo(k)fluoranthene	23.771	252	4641829	54.012	ng		100
90) Benzo(a)pyrene	24.583	252	4478222	54.313	ng		99
91) Dibenzo(a,h)anthracene	28.500	278	4715596	53.822	ng		99
92) Benzo(g,h,i)perylene	29.547	276	4649887	53.490	ng		100

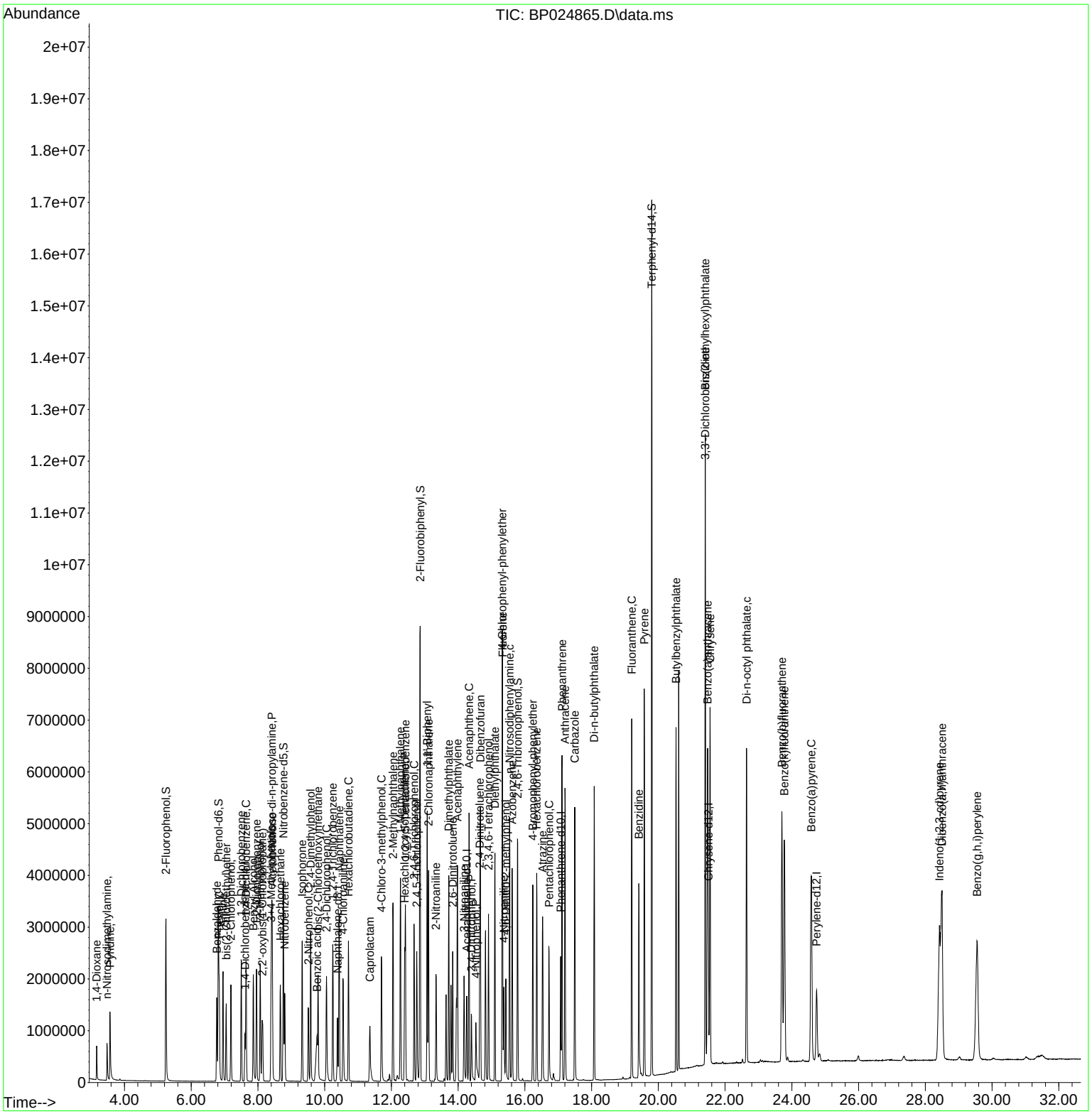
(#) = qualifier out of range (m) = manual integration (+) = signals summed

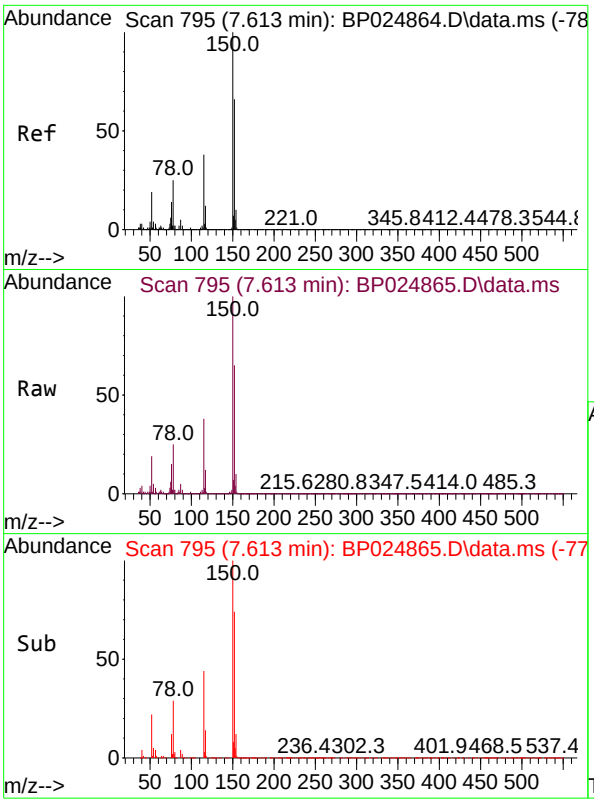
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



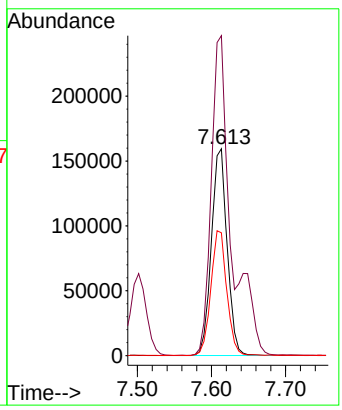


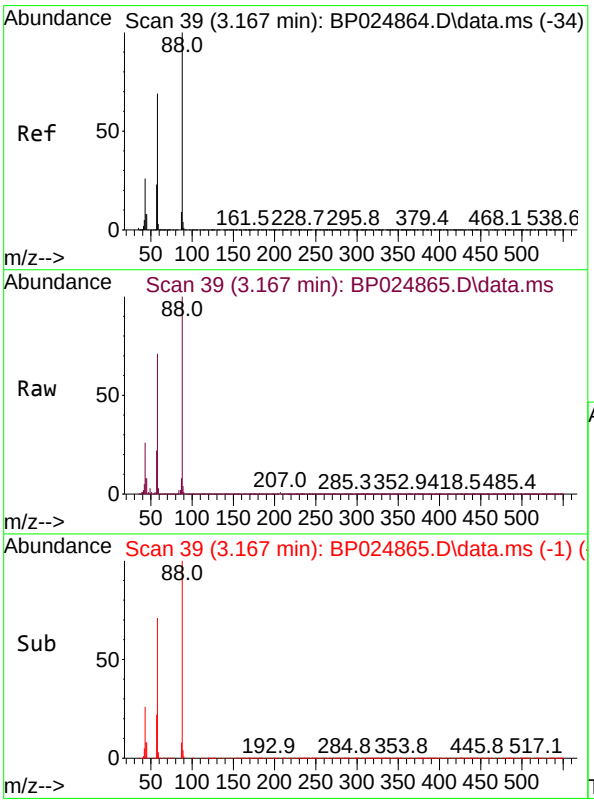
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 235518

Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.1	183.1
115	59.4	46.4	69.6

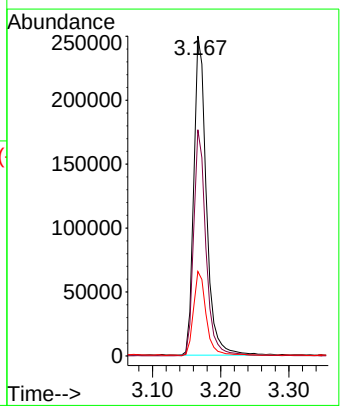


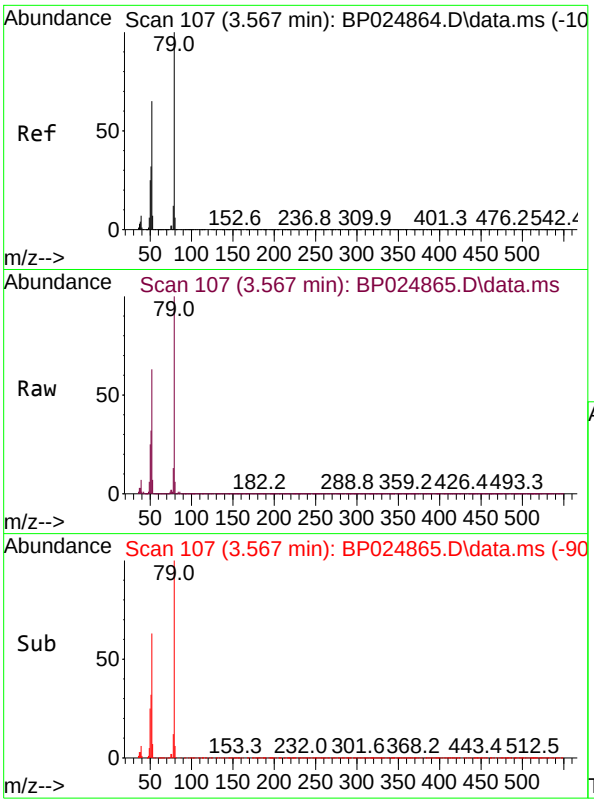


#2
1,4-Dioxane
Concen: 51.761 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 88 Resp: 321356

Ion	Ratio	Lower	Upper
88	100		
58	69.1	55.4	83.0
43	26.2	20.8	31.2



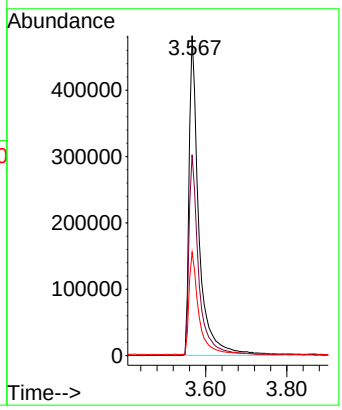


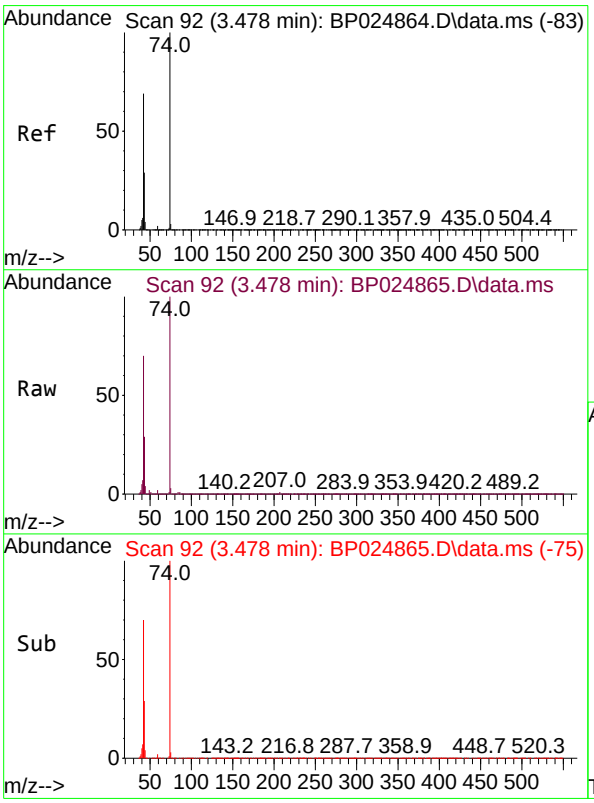
#3
Pyridine
Concen: 54.010 ng
RT: 3.567 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 806405

Ion	Ratio	Lower	Upper
79	100		
52	62.8	51.6	77.4
51	32.3	25.5	38.3

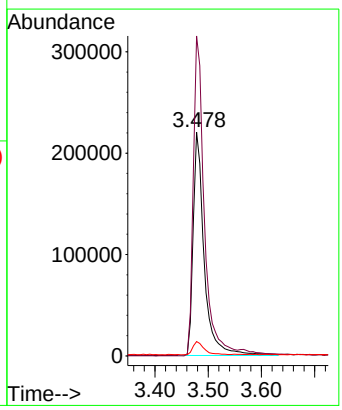


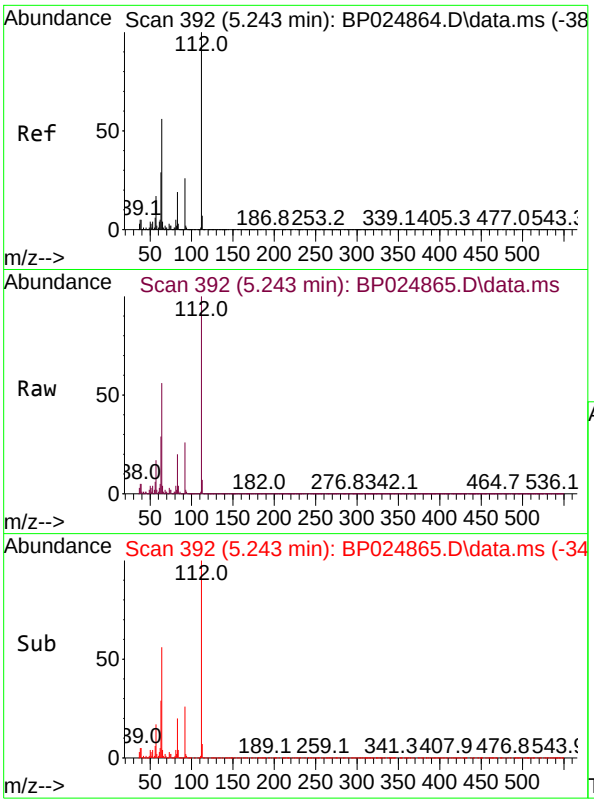


#4
n-Nitrosodimethylamine
Concen: 52.317 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 42 Resp: 319345

Ion	Ratio	Lower	Upper
42	100		
74	143.0	116.6	174.8
44	6.4	5.4	8.0



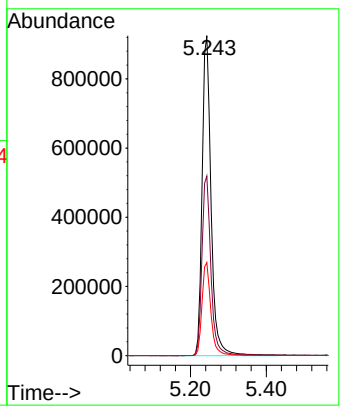


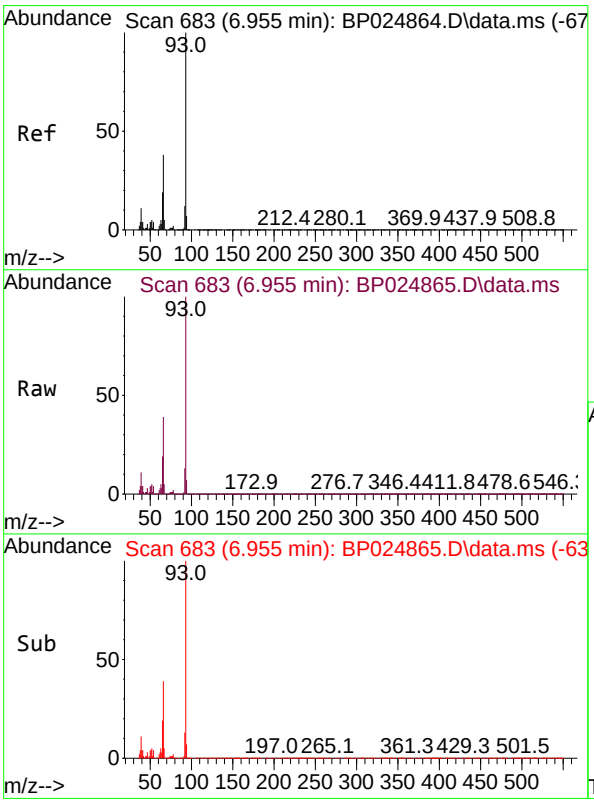
#5
2-Fluorophenol
Concen: 107.067 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1510671

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.7	67.1
63	29.1	23.5	35.3

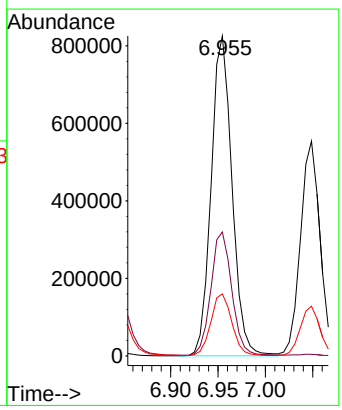


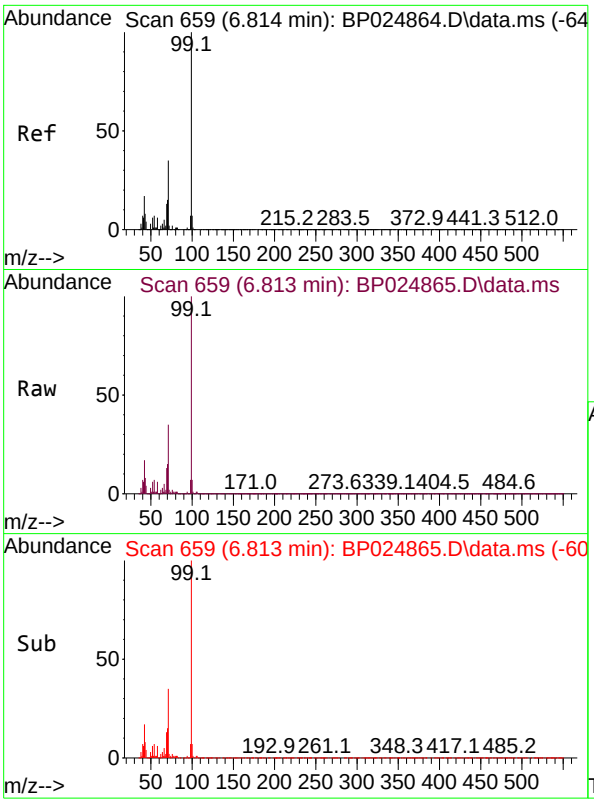


#6
Aniline
Concen: 53.024 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 93 Resp: 1263250

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.4	15.5	23.3



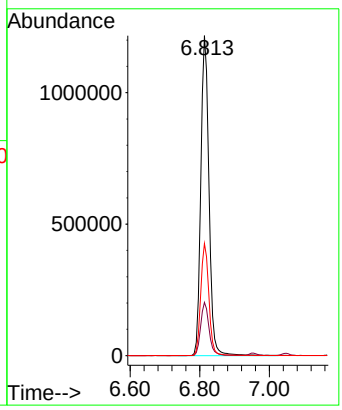


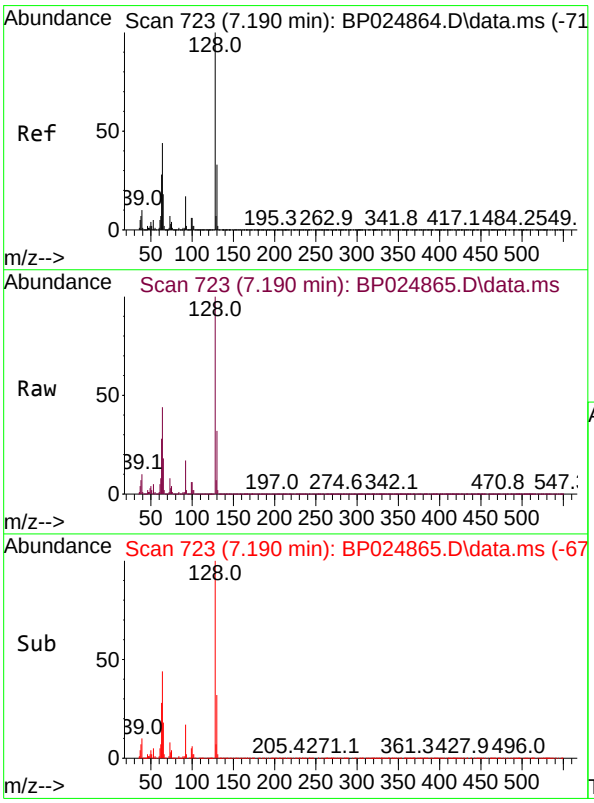
#7
Phenol-d6
Concen: 105.719 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1973616

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	35.0	27.6	41.4

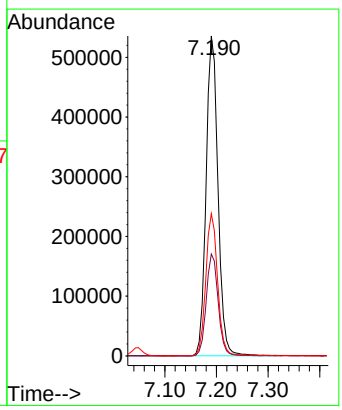


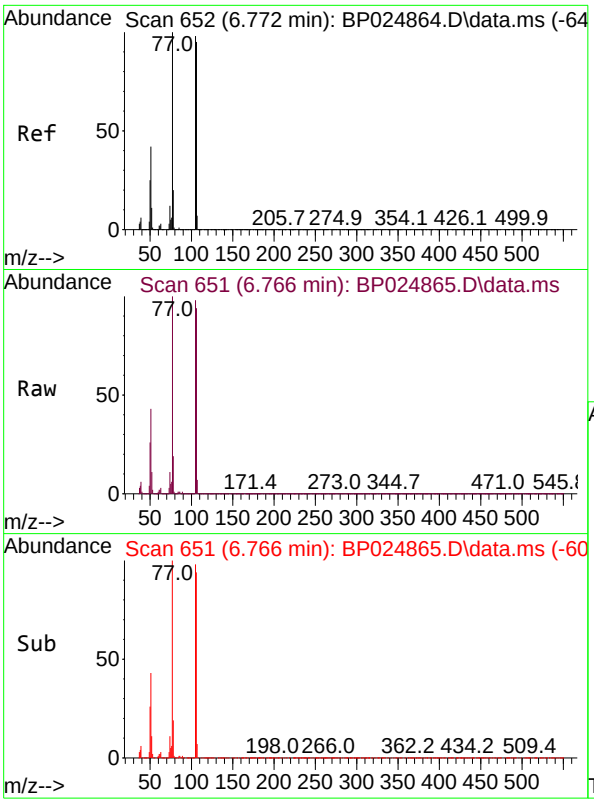


#8
2-Chlorophenol
Concen: 53.473 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:128 Resp: 855311

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	44.4	24.1	64.1



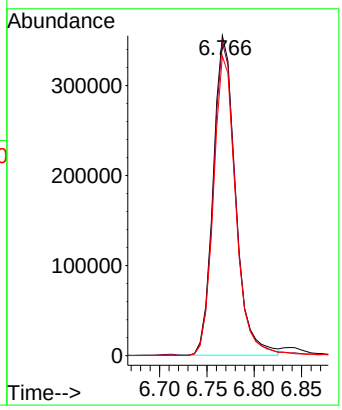


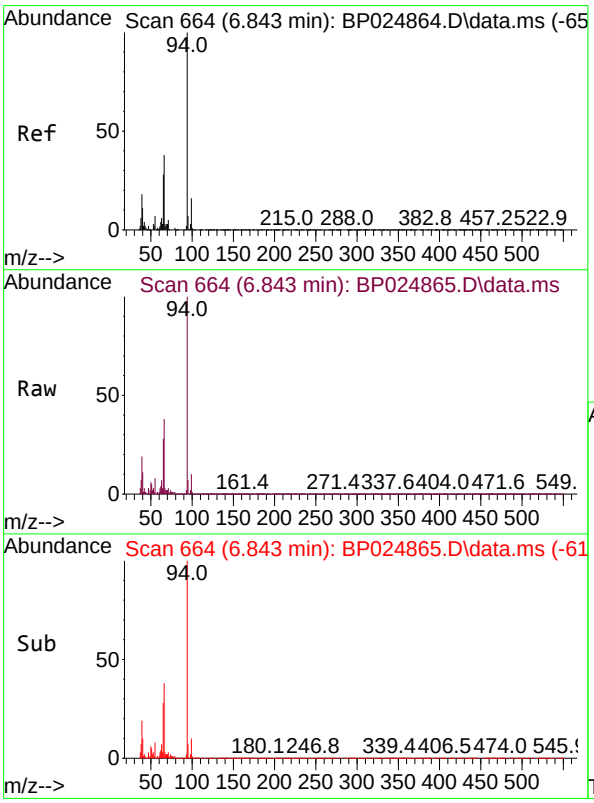
#9
Benzaldehyde
Concen: 53.748 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 579996

Ion	Ratio	Lower	Upper
77	100		
105	98.1	77.7	117.7
106	93.6	74.8	114.8

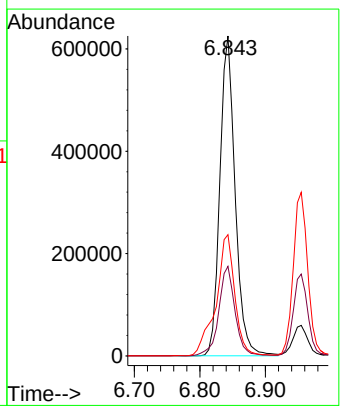


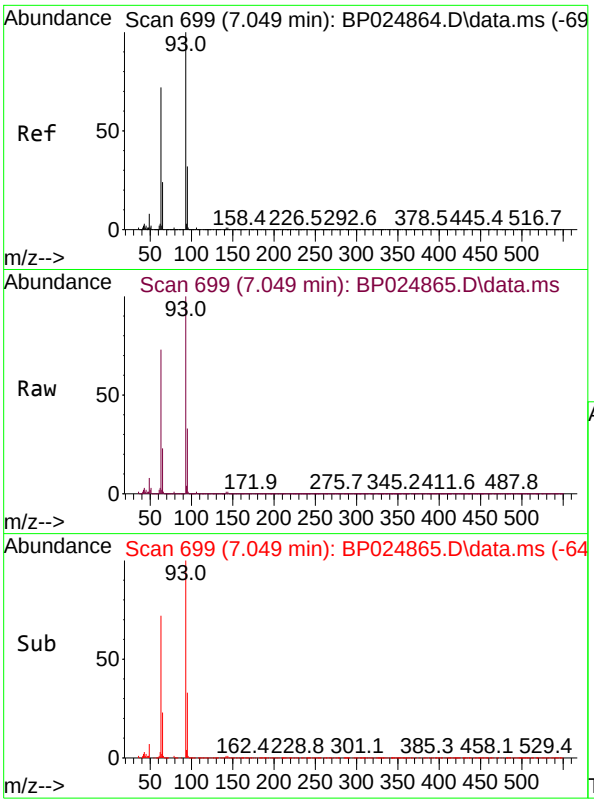


#10
Phenol
Concen: 52.761 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 94 Resp: 1015401

Ion	Ratio	Lower	Upper
94	100		
65	28.0	8.3	48.3
66	37.9	18.2	58.2



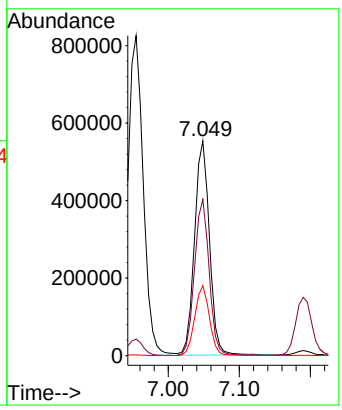


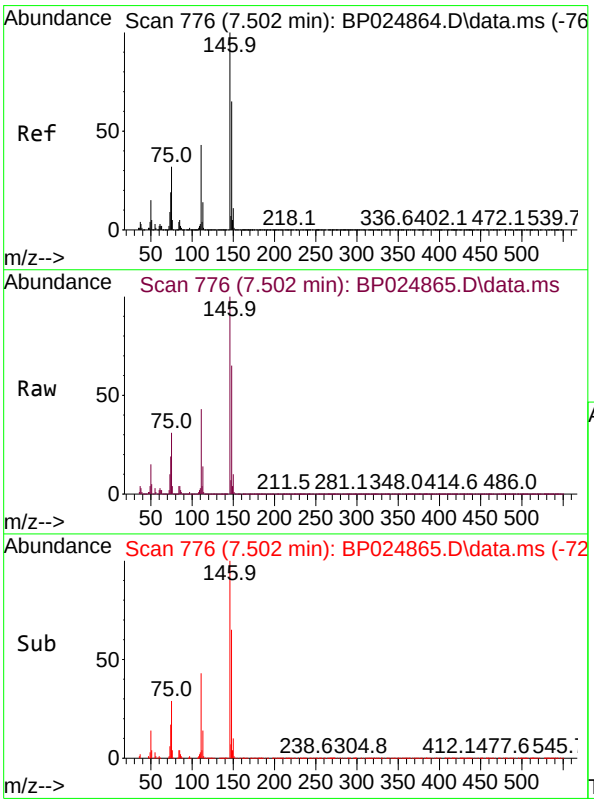
#11
bis(2-Chloroethyl)ether
Concen: 53.010 ng
RT: 7.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 802393

Ion	Ratio	Lower	Upper
93	100		
63	72.7	51.6	91.6
95	32.6	12.1	52.1

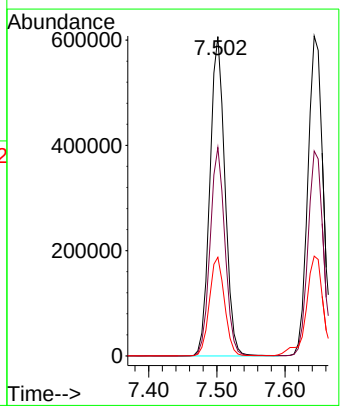


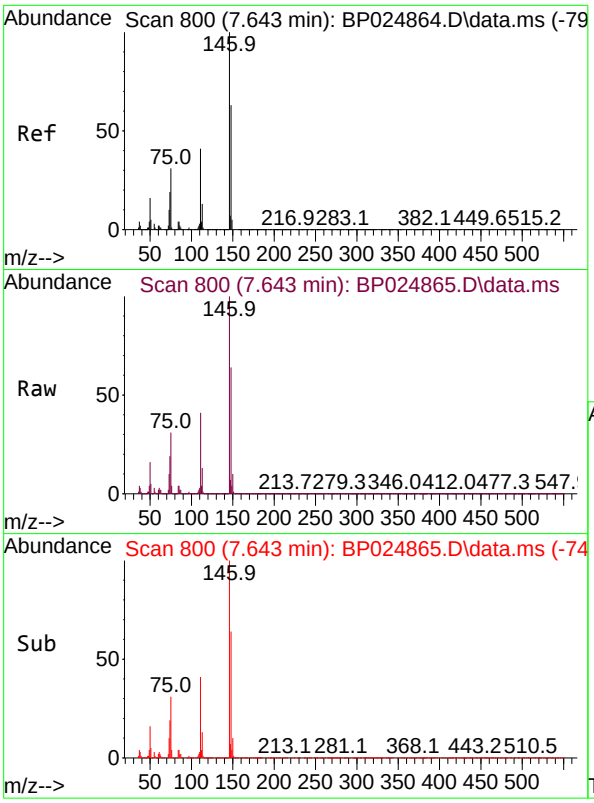


#12
1,3-Dichlorobenzene
Concen: 51.854 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:146 Resp: 925262

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.8	77.8
75	30.9	25.3	37.9



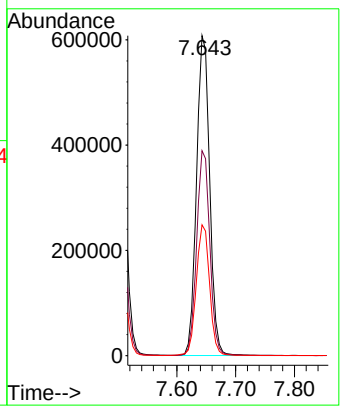


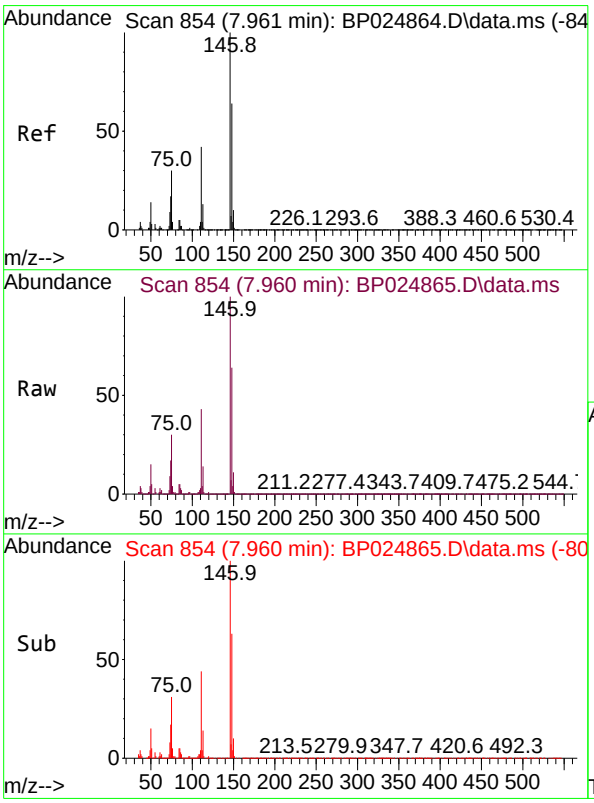
#13
1,4-Dichlorobenzene
Concen: 52.440 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 944146

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	40.9	32.7	49.1

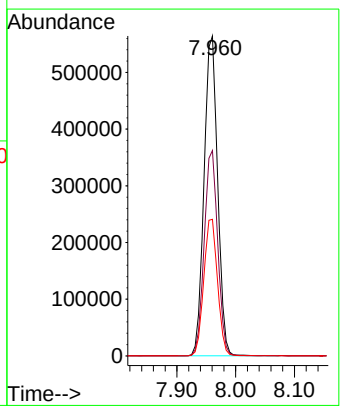


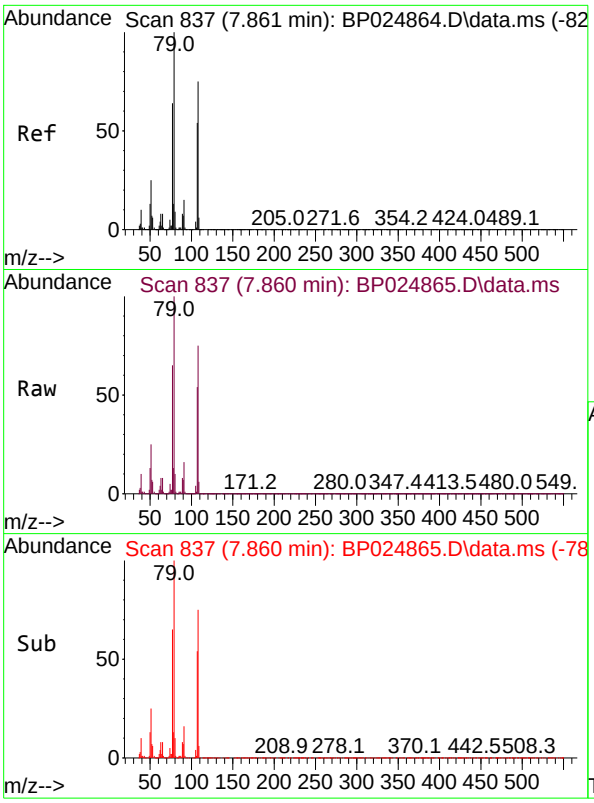


#14
1,2-Dichlorobenzene
Concen: 51.287 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:146 Resp: 906741

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	42.7	33.8	50.8



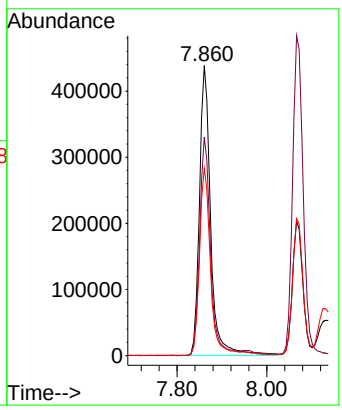


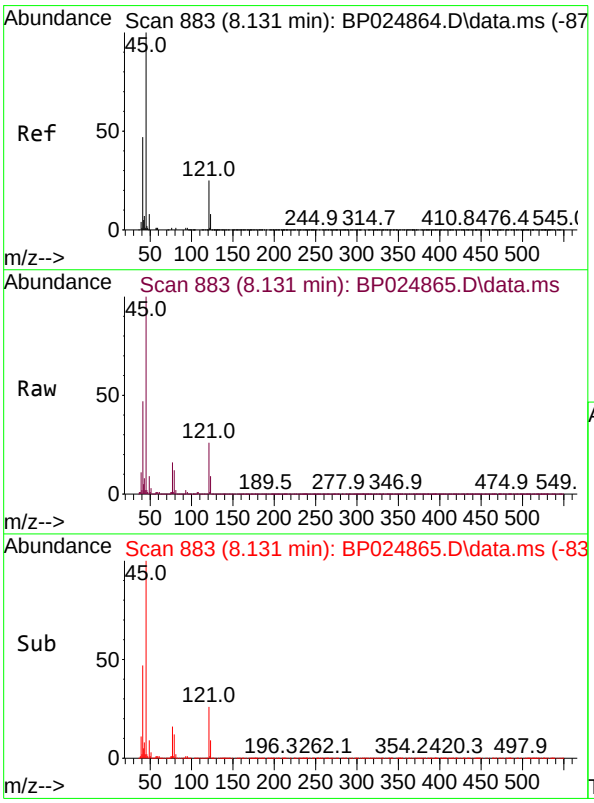
#15
Benzyl Alcohol
Concen: 52.968 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 758909

Ion	Ratio	Lower	Upper
79	100		
108	75.4	60.2	90.4
77	64.6	51.2	76.8

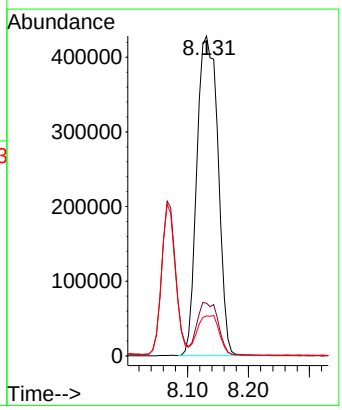


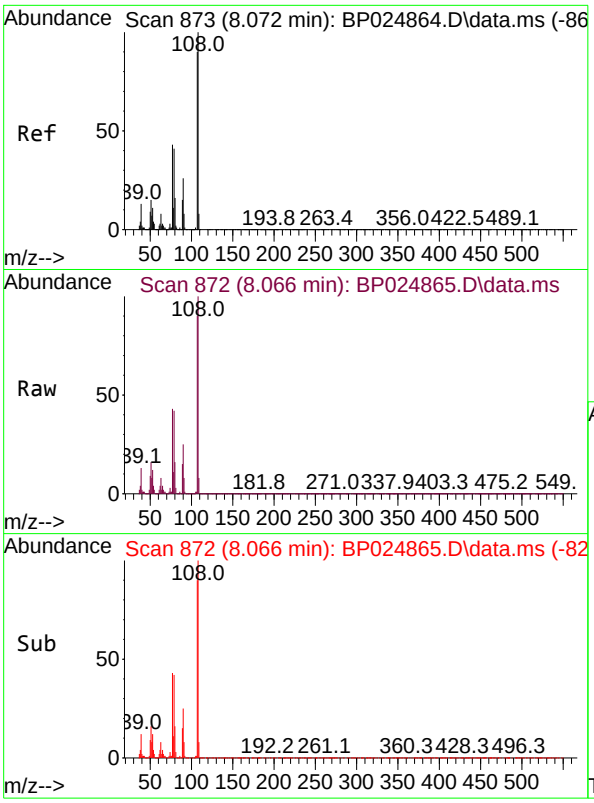


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.035 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 45 Resp: 1030911

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.3
79	12.5	0.0	32.2



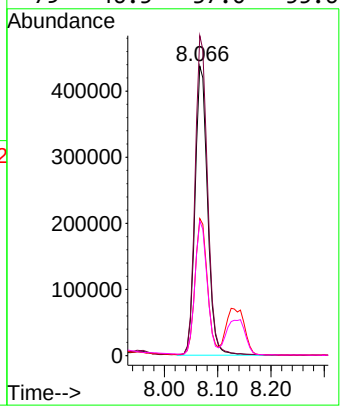


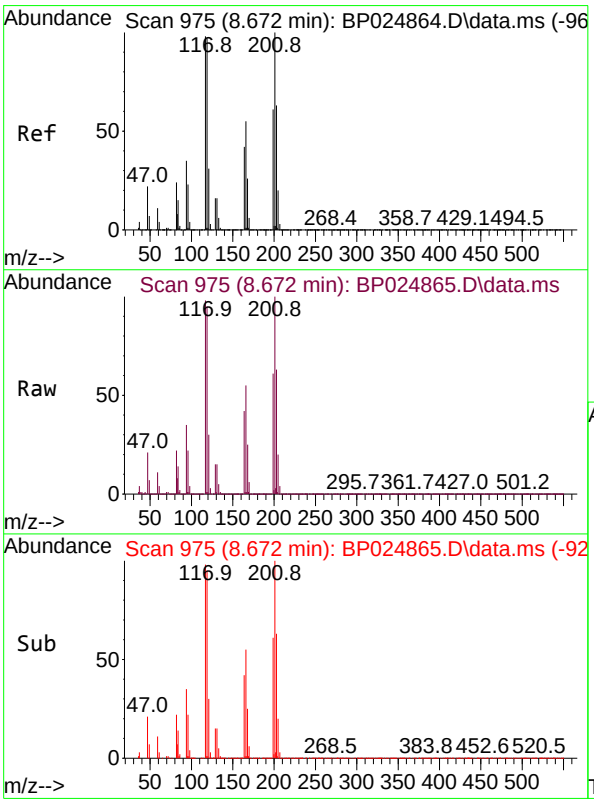
#17
2-Methylphenol
Concen: 53.013 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 712455

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.6	132.8
77	47.4	38.5	57.7
79	46.5	37.0	55.6

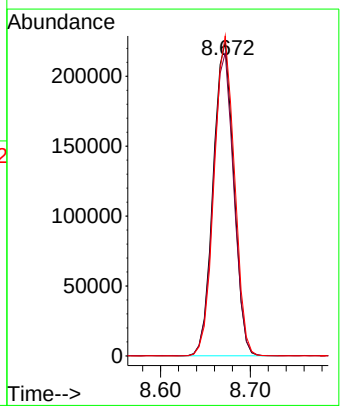


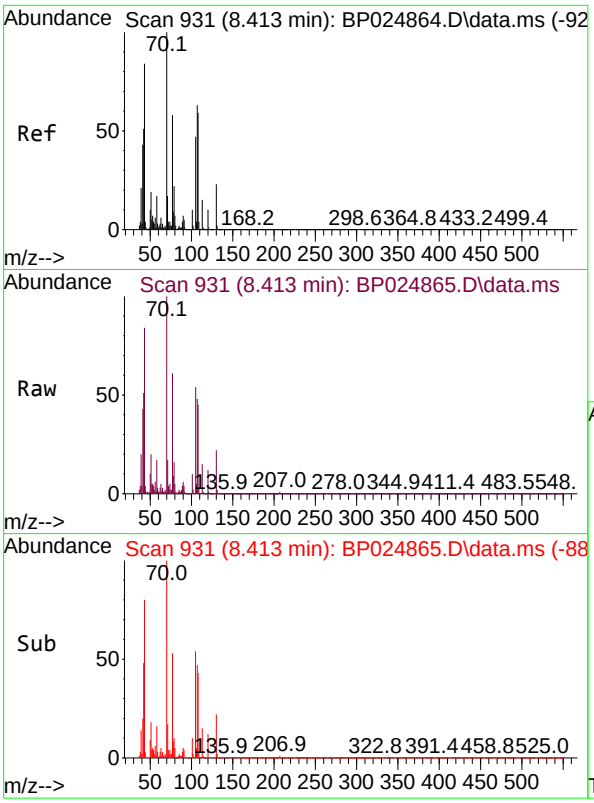


#18
Hexachloroethane
Concen: 53.107 ng
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:117 Resp: 359979

Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.4	119.2
201	102.1	81.4	122.2



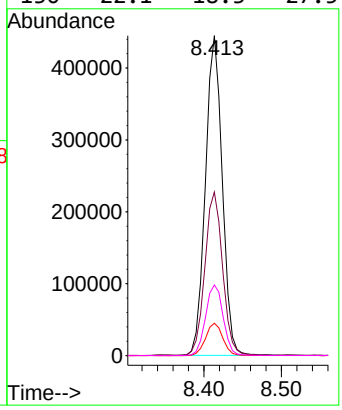


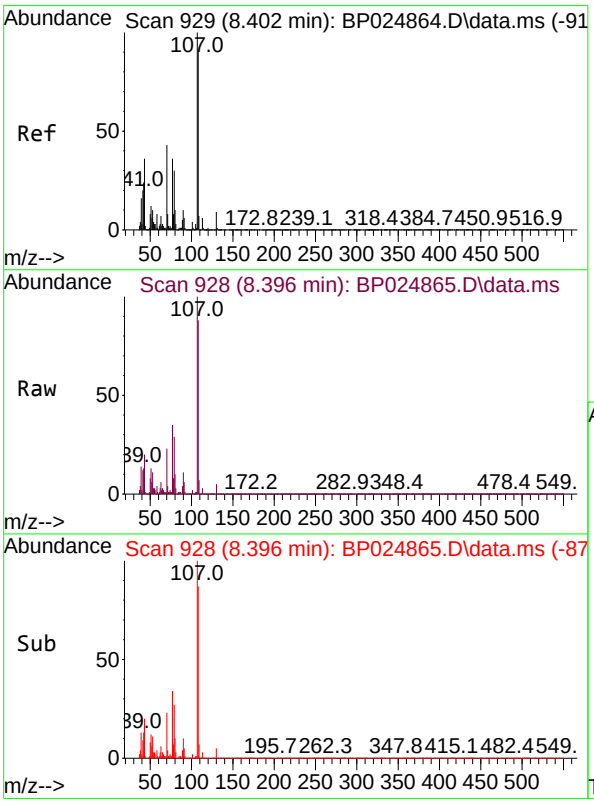
#19
n-Nitroso-di-n-propylamine
Concen: 52.919 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 671592

Ion	Ratio	Lower	Upper
70	100		
42	51.1	41.2	61.8
101	10.1	8.3	12.5
130	22.1	18.3	27.5

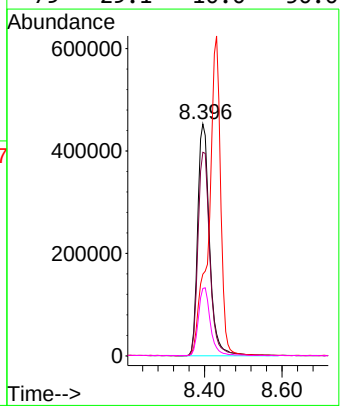


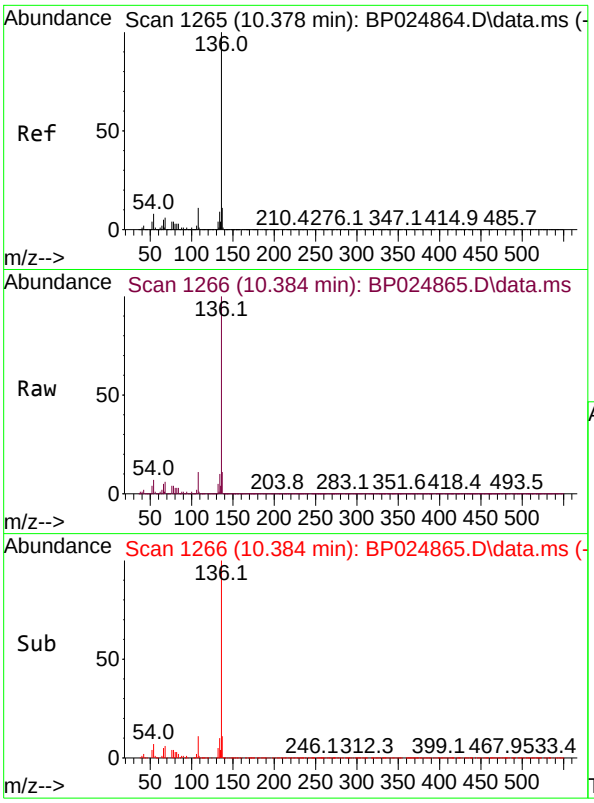


#20
3+4-Methylphenols
Concen: 52.385 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:107 Resp: 960504

Ion	Ratio	Lower	Upper
107	100		
108	87.8	70.7	110.7
77	35.2	16.6	56.6
79	29.1	10.0	50.0



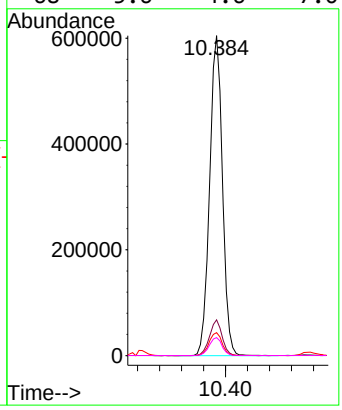


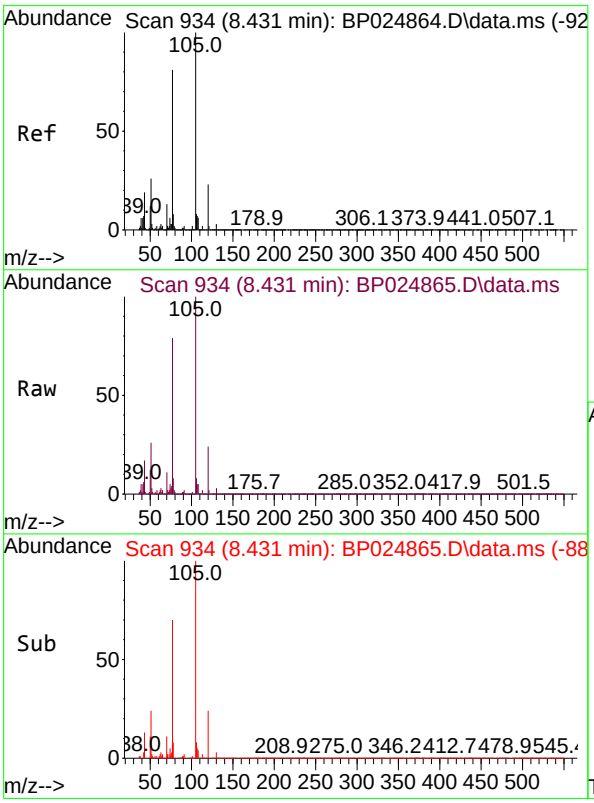
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 975092

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.6	4.6	7.0

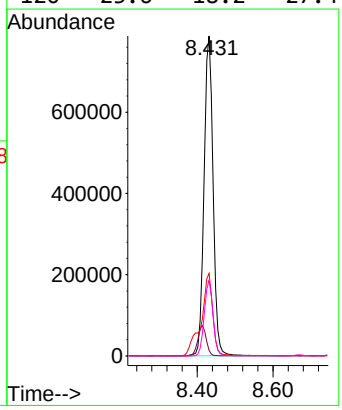


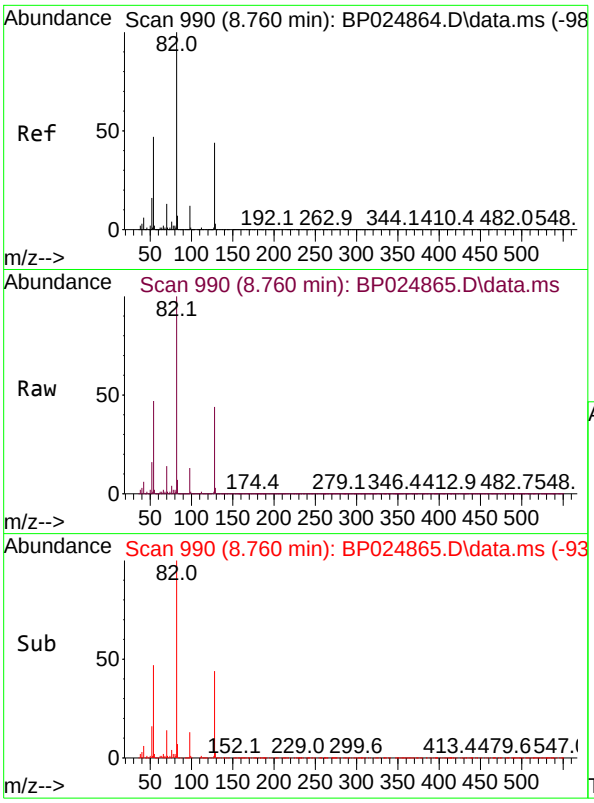


#22
Acetophenone
Concen: 52.966 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:105 Resp: 1304864

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.6	2.4
51	25.8	20.6	31.0
120	23.6	18.2	27.4



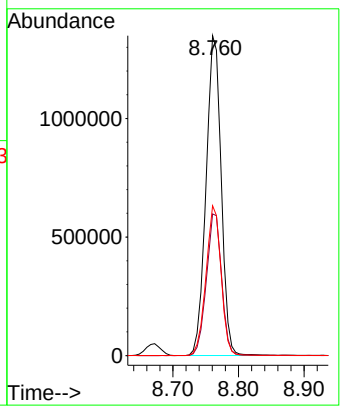


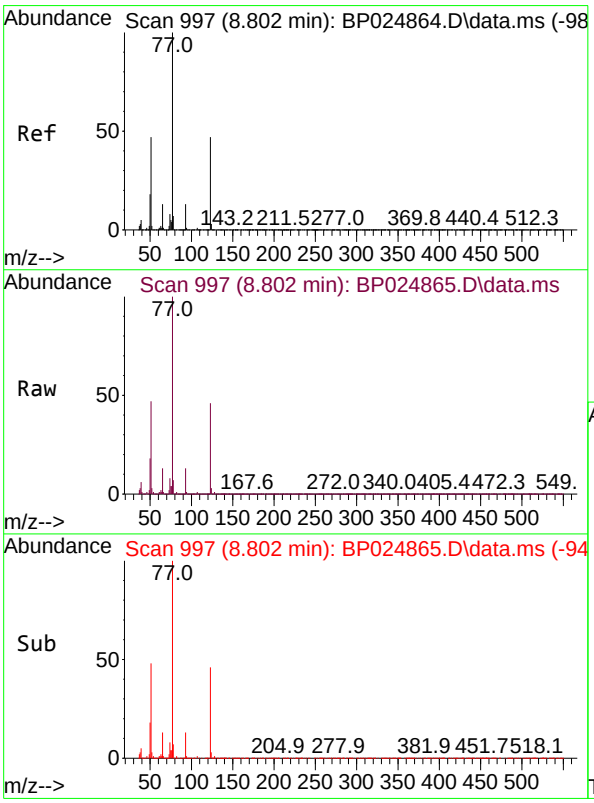
#23
Nitrobenzene-d5
Concen: 107.931 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2165794

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.3	52.9
54	46.8	37.4	56.0

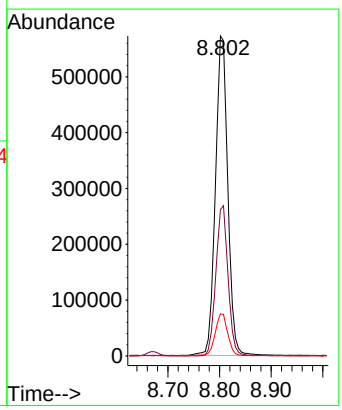


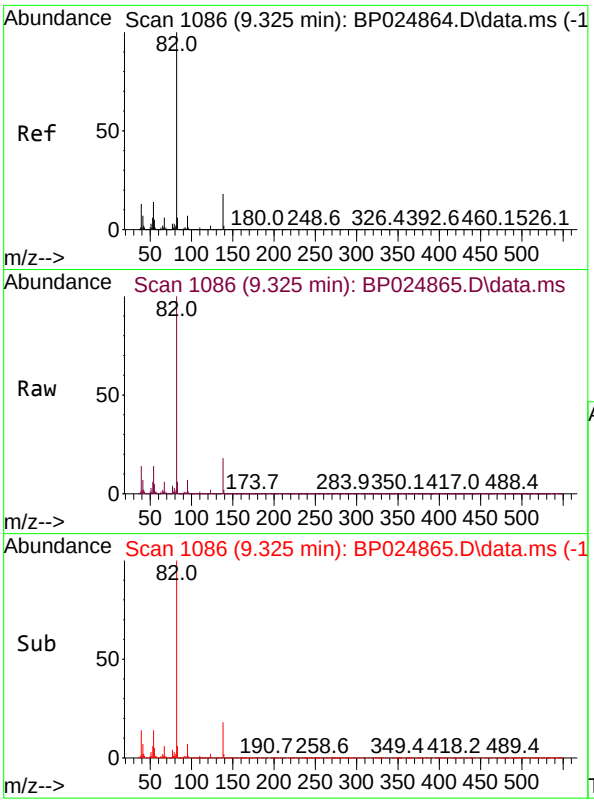


#24
Nitrobenzene
Concen: 53.620 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 77 Resp: 955872

Ion	Ratio	Lower	Upper
77	100		
123	45.7	37.3	55.9
65	13.1	10.8	16.2



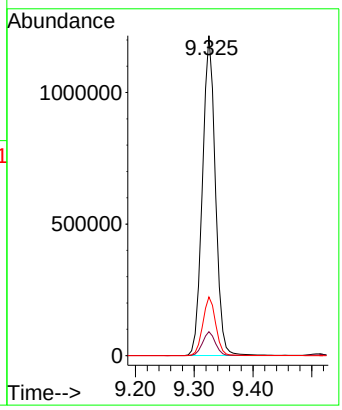


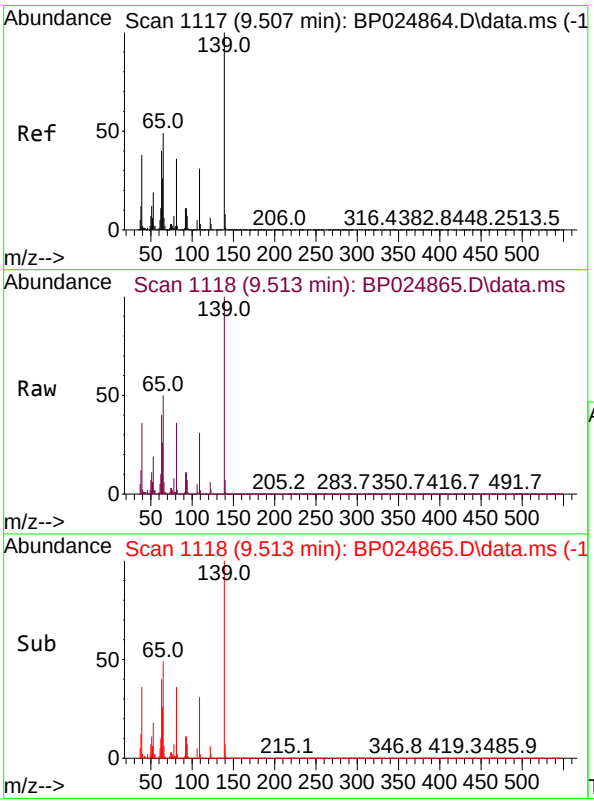
#25
Isophorone
Concen: 53.556 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1862532

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.3	14.6	21.8

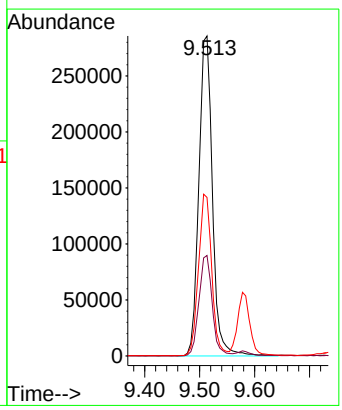


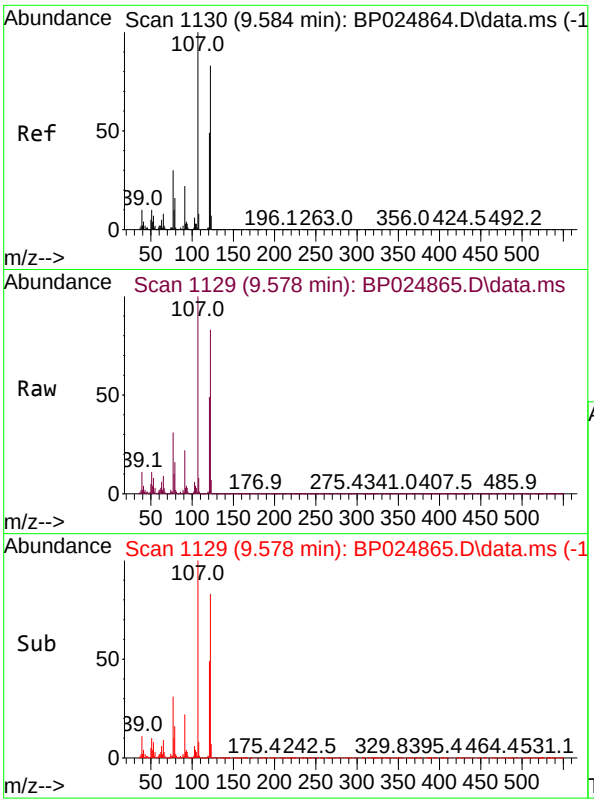


#26
2-Nitrophenol
Concen: 55.657 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:139 Resp: 489550

Ion	Ratio	Lower	Upper
139	100		
109	31.4	24.6	37.0
65	49.5	39.5	59.3



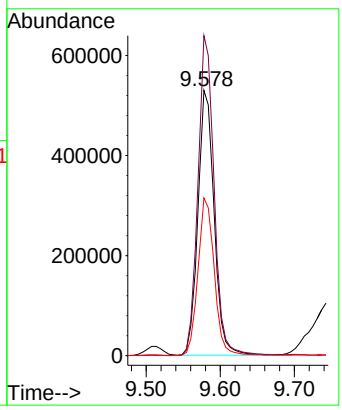


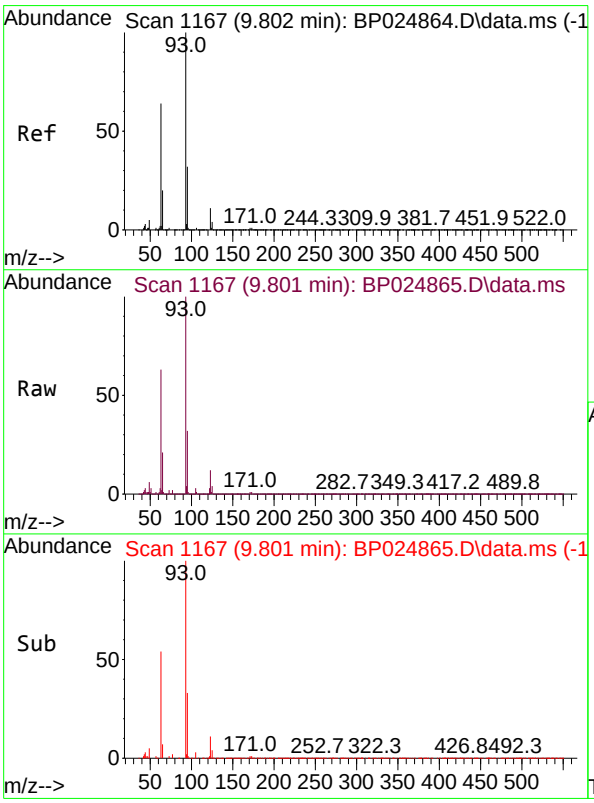
#27
2,4-Dimethylphenol
Concen: 53.602 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 806896

Ion	Ratio	Lower	Upper
122	100		
107	120.7	96.2	144.4
121	59.5	47.0	70.4

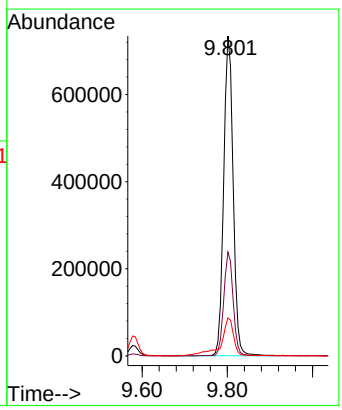


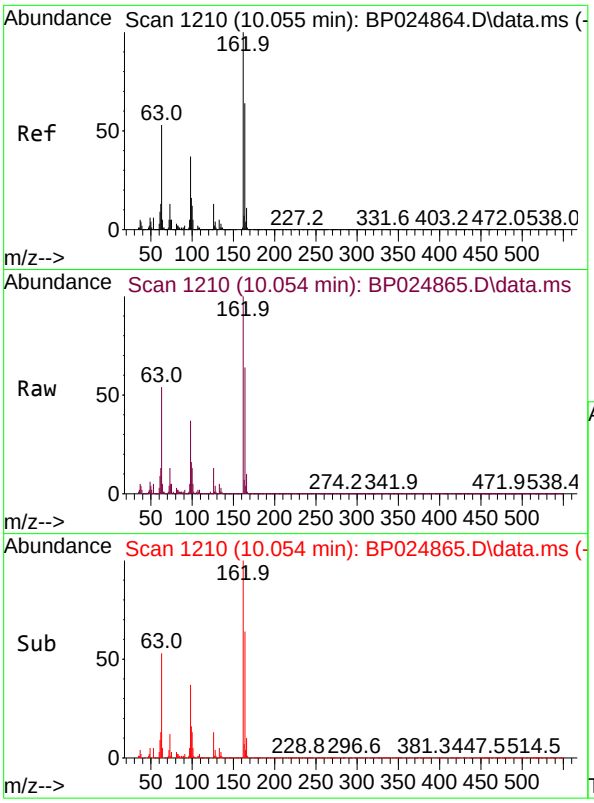


#28
bis(2-Chloroethoxy)methane
Concen: 54.643 ng
RT: 9.801 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 93 Resp: 1133590

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.8	9.2	13.8



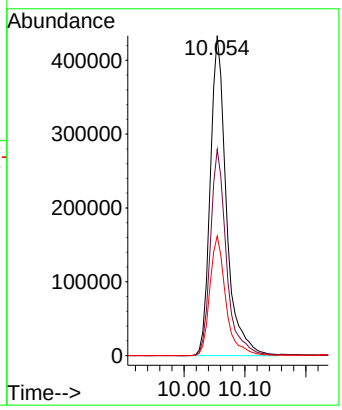


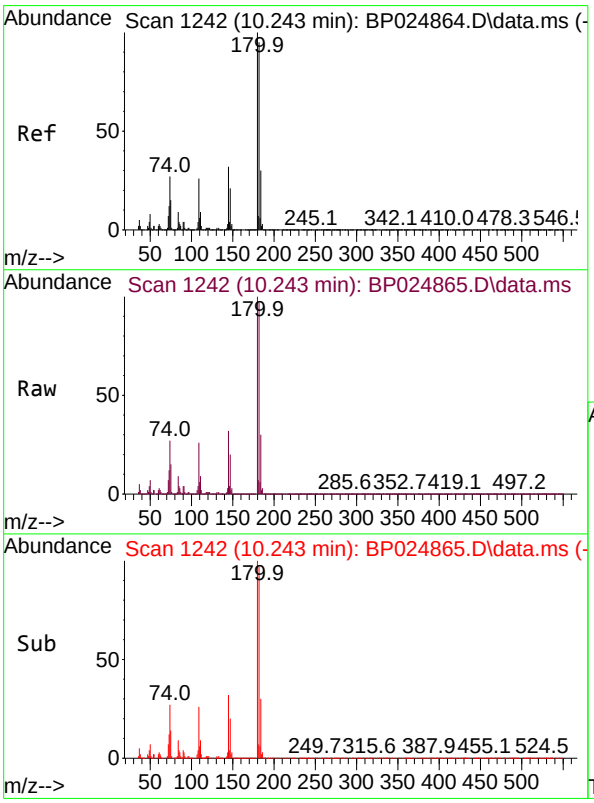
#29
2,4-Dichlorophenol
Concen: 55.201 ng
RT: 10.054 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 797316

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.0	84.0
98	37.4	16.9	56.9

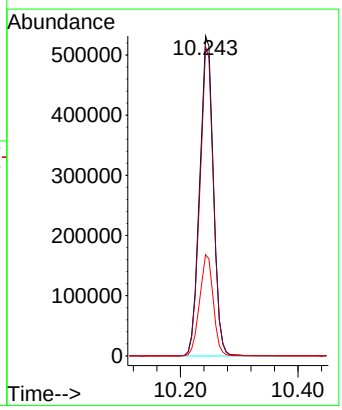


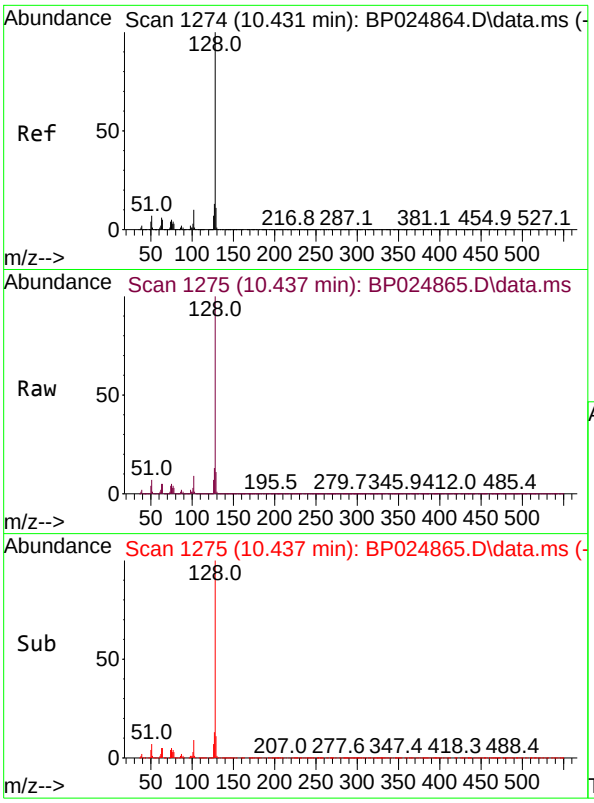


#30
1,2,4-Trichlorobenzene
Concen: 52.640 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:180 Resp: 857570

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.6
145	31.7	25.7	38.5



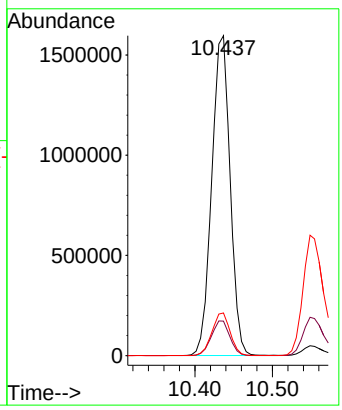


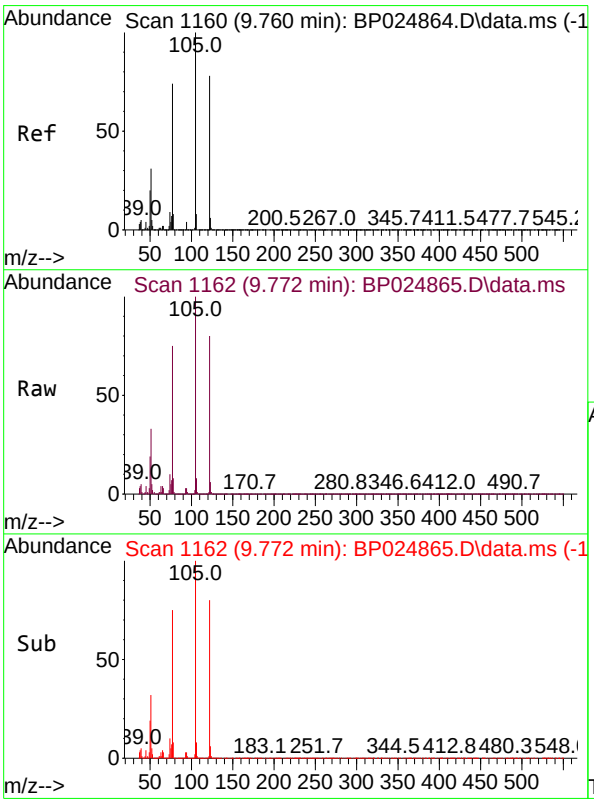
#31
Naphthalene
Concen: 52.637 ng
RT: 10.437 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2630251

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.7	16.1

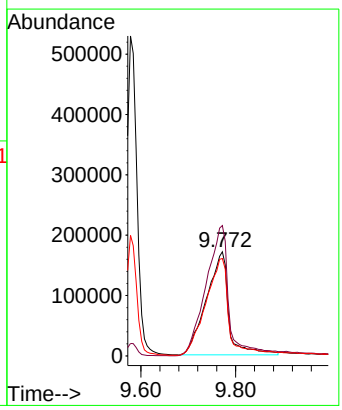


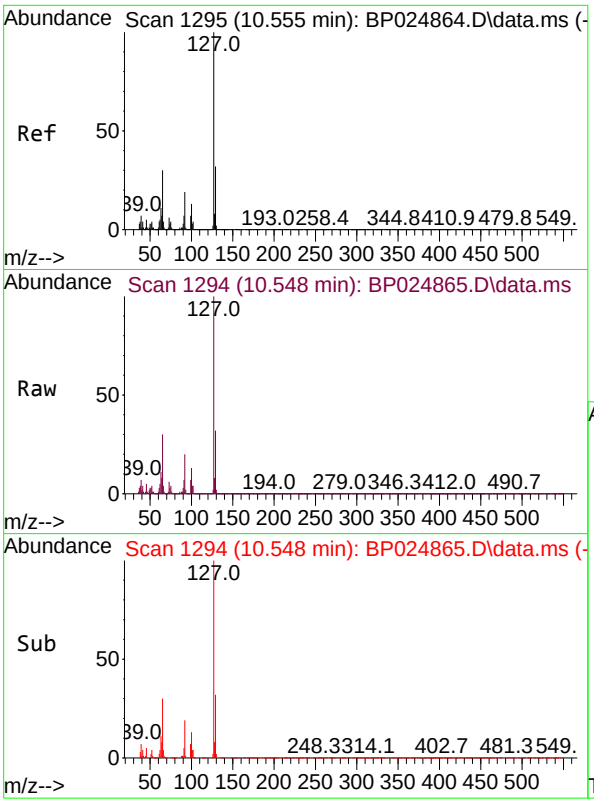


#32
Benzoic acid
Concen: 55.936 ng
RT: 9.772 min Scan# 1162
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:122 Resp: 561400

Ion	Ratio	Lower	Upper
122	100		
105	125.3	107.1	147.1
77	93.6	75.1	115.1



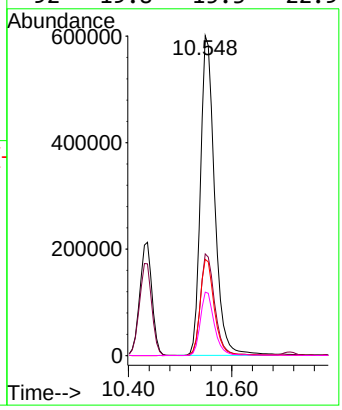


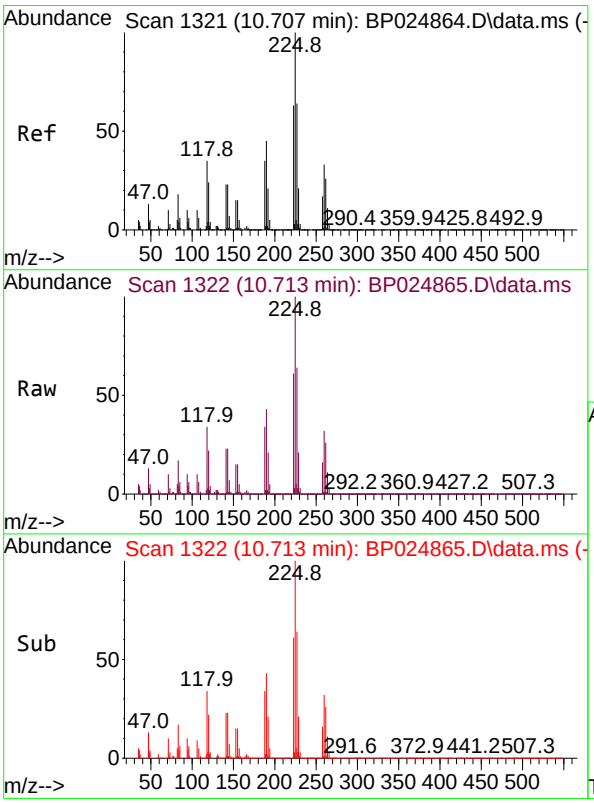
#33
4-Chloroaniline
Concen: 54.855 ng
RT: 10.548 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1148401

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	30.1	23.9	35.9
92	19.8	15.3	22.9

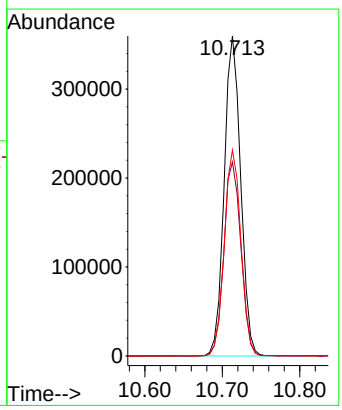


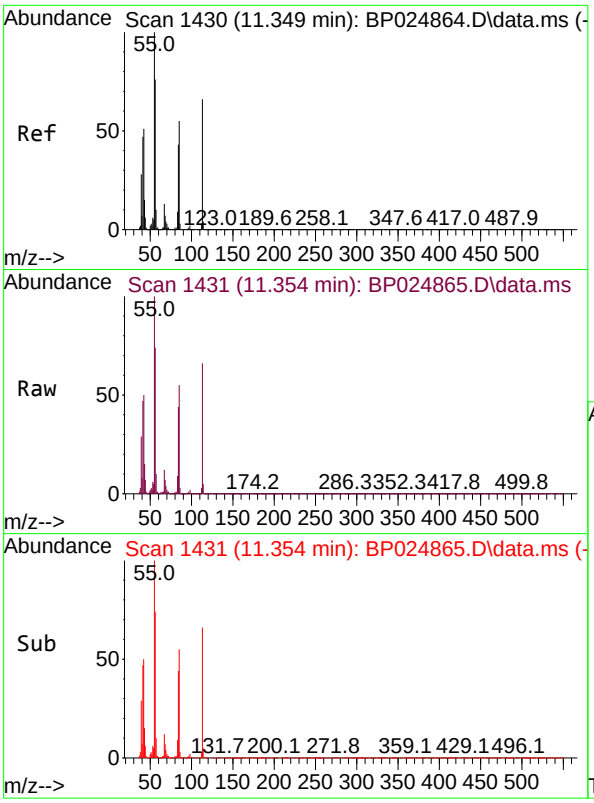


#34
Hexachlorobutadiene
Concen: 54.184 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:225 Resp: 532031

Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.5	75.7
227	64.3	51.4	77.2



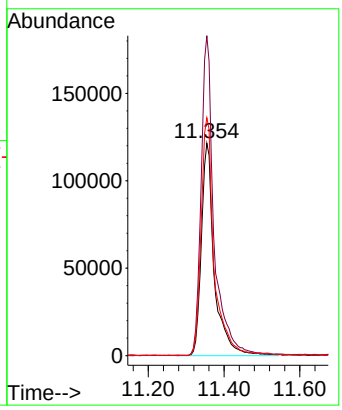


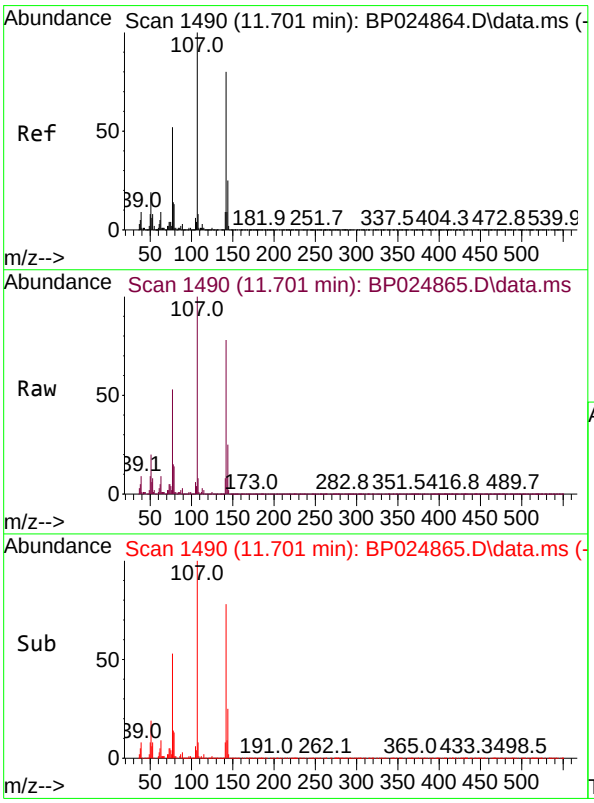
#35
Caprolactam
Concen: 54.183 ng
RT: 11.354 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 288081

Ion	Ratio	Lower	Upper
113	100		
55	150.6	132.5	172.5
56	112.0	96.0	136.0

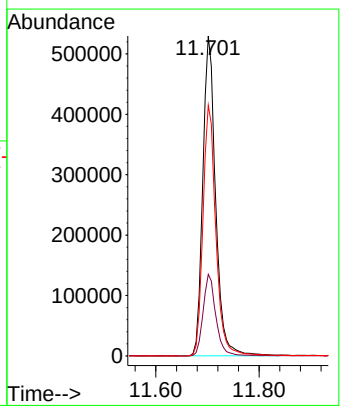


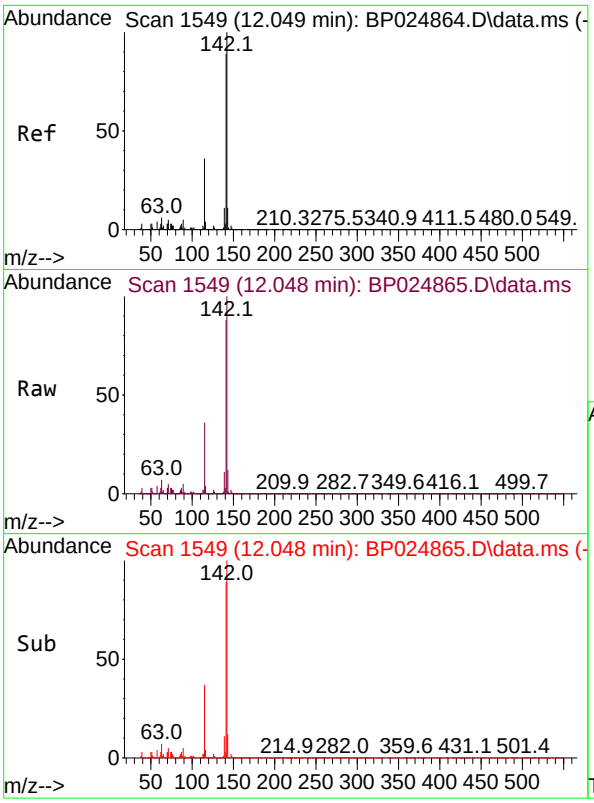


#36
4-Chloro-3-methylphenol
Concen: 54.747 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:107 Resp: 912092

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	78.3	63.8	95.6



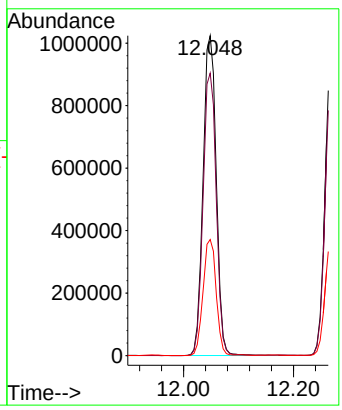


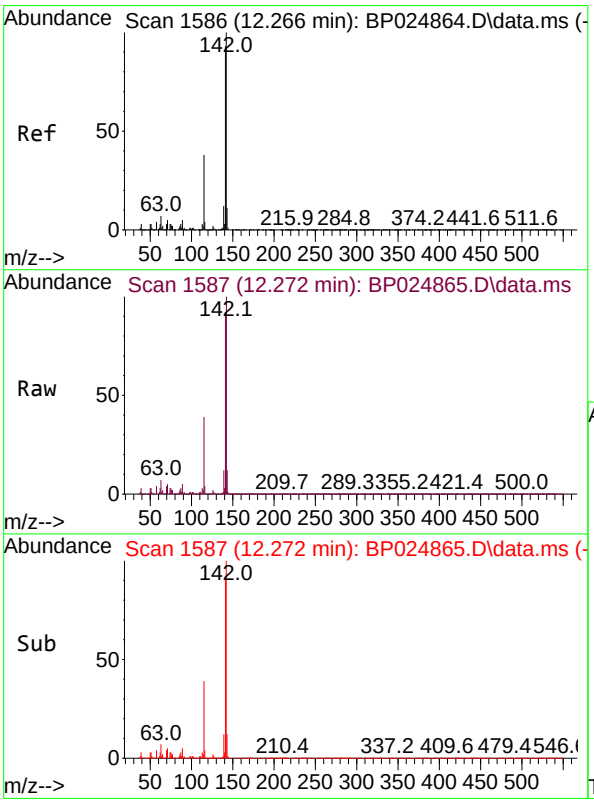
#37
2-Methylnaphthalene
Concen: 53.539 ng
RT: 12.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1697018

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8
115	36.3	28.5	42.7

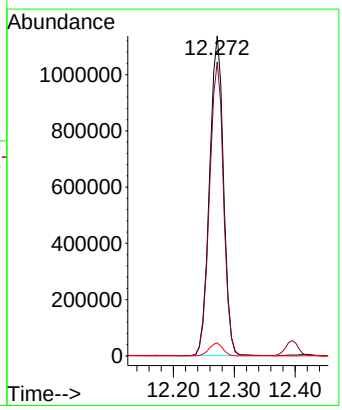


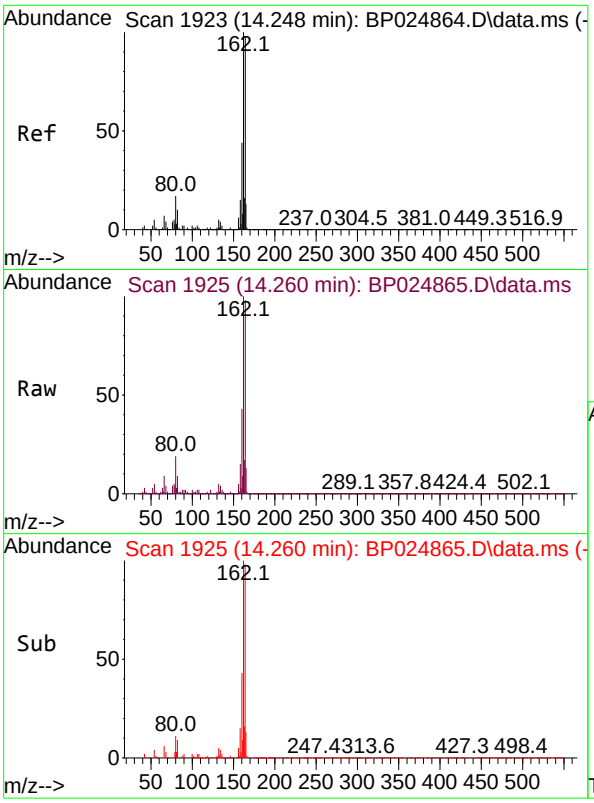


#38
1-Methylnaphthalene
Concen: 53.333 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:142 Resp: 1807332

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.7	112.1
116	4.1	3.4	5.0



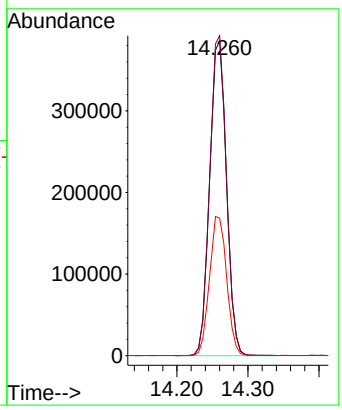


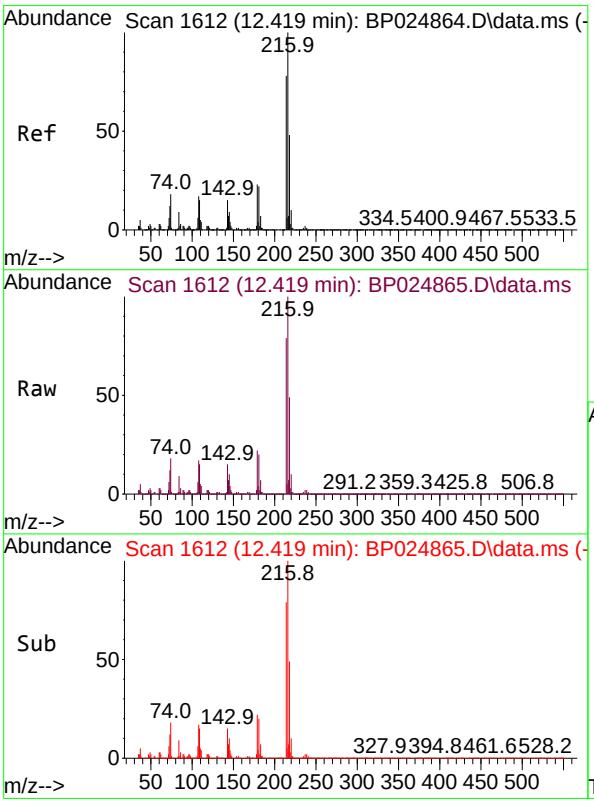
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 19
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 631564

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	43.7	36.2	54.2

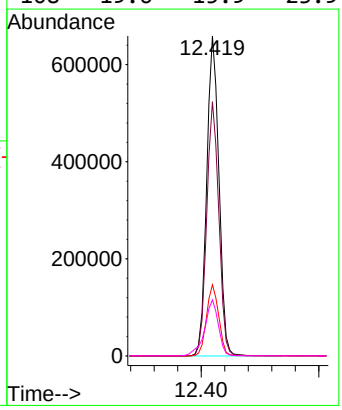


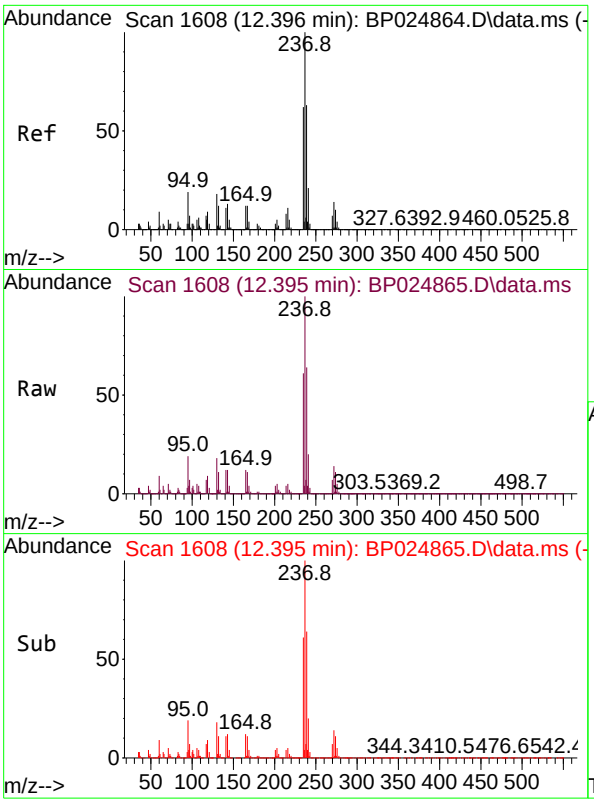


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.992 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:216 Resp: 949667

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	22.2	17.8	26.6
108	19.6	15.9	23.9



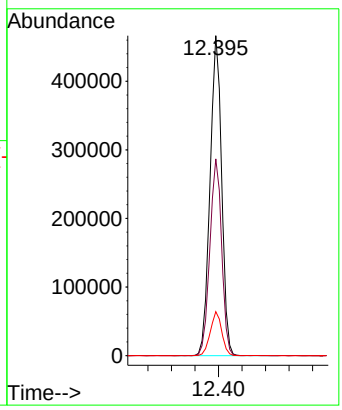


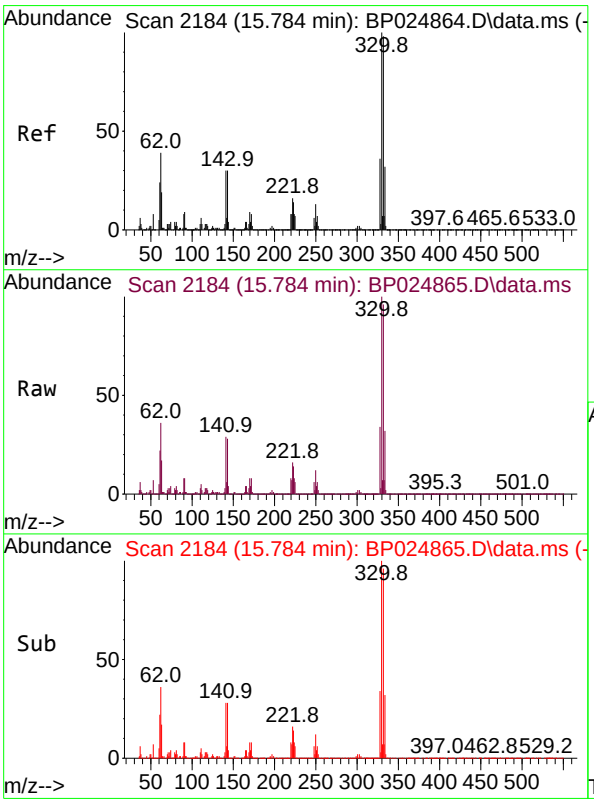
#41
Hexachlorocyclopentadiene
Concen: 58.420 ng
RT: 12.395 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 638568

Ion	Ratio	Lower	Upper
237	100		
235	61.5	41.9	81.9
272	13.7	0.0	33.7

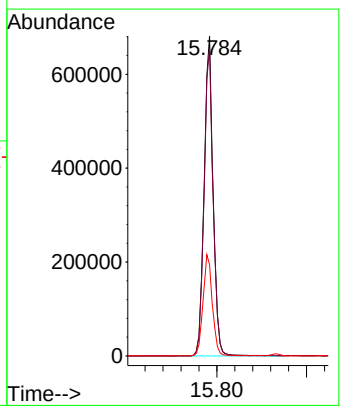


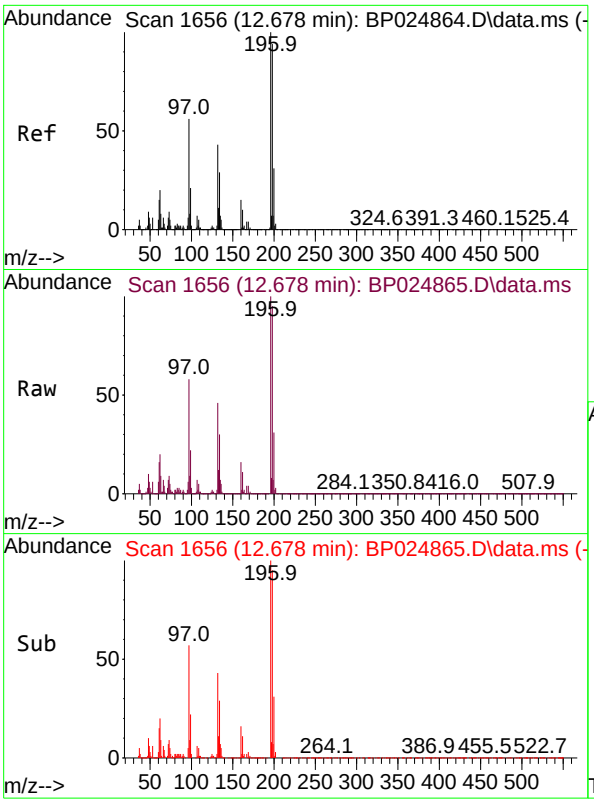


#42
2,4,6-Tribromophenol
Concen: 107.721 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:330 Resp: 940592

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	32.9	26.4	39.6



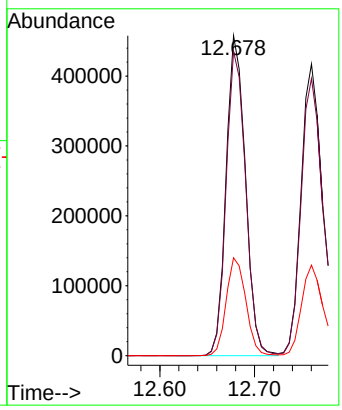


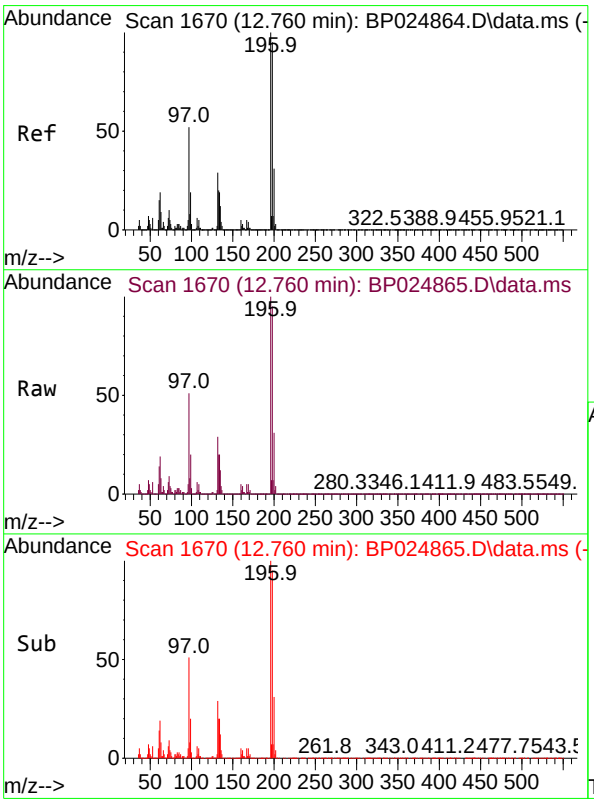
#43
2,4,6-Trichlorophenol
Concen: 53.966 ng
RT: 12.678 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 649483

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.6	24.4	36.6

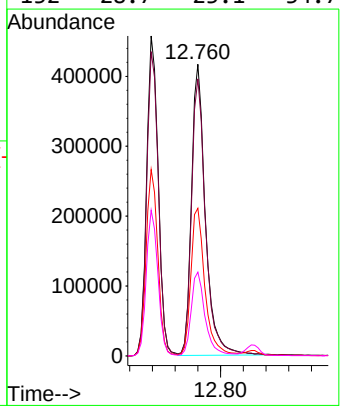


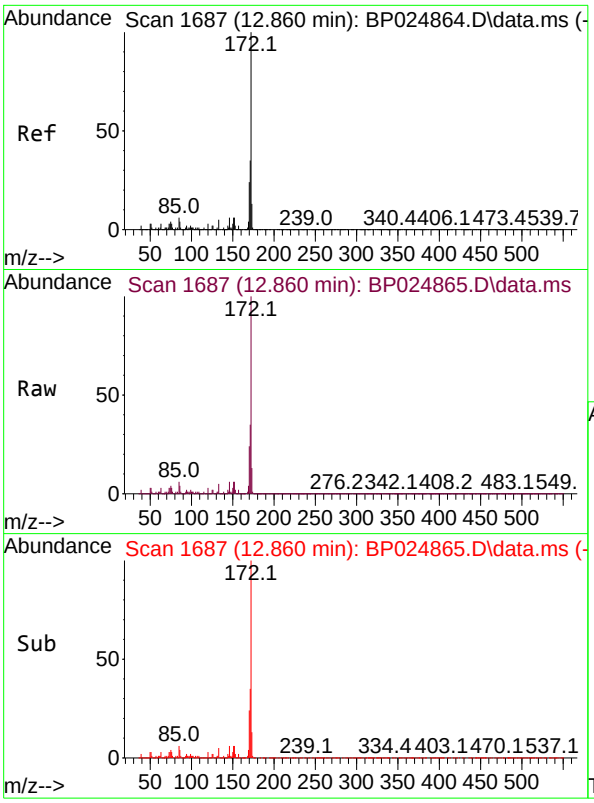


#44
2,4,5-Trichlorophenol
Concen: 54.908 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:196 Resp: 707702

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.0	114.0
97	50.6	41.5	62.3
132	28.7	23.1	34.7



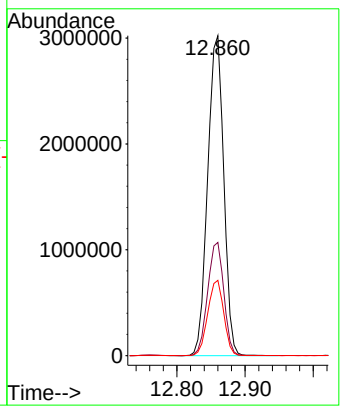


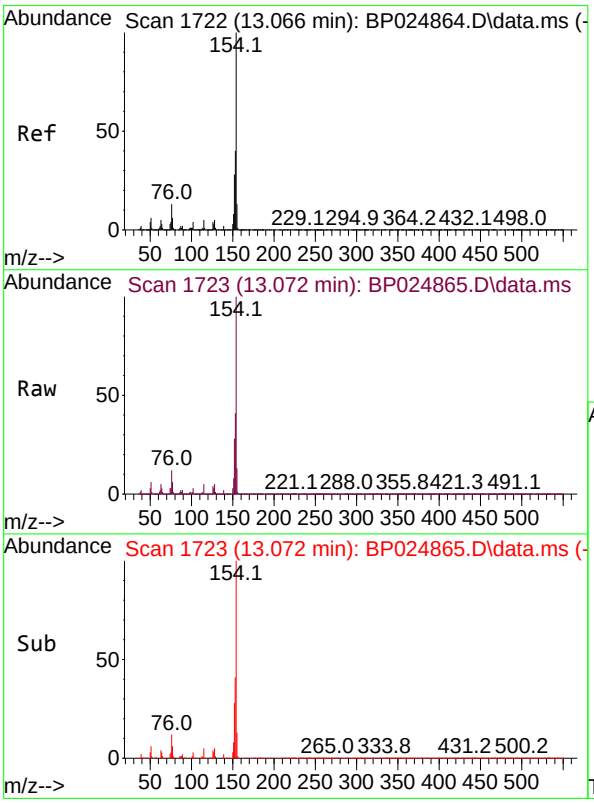
#45
2-Fluorobiphenyl
Concen: 105.263 ng
RT: 12.860 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4934980

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.5	19.0	28.4

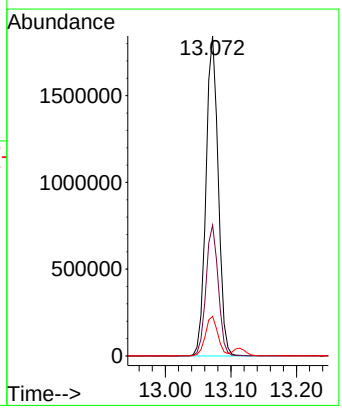


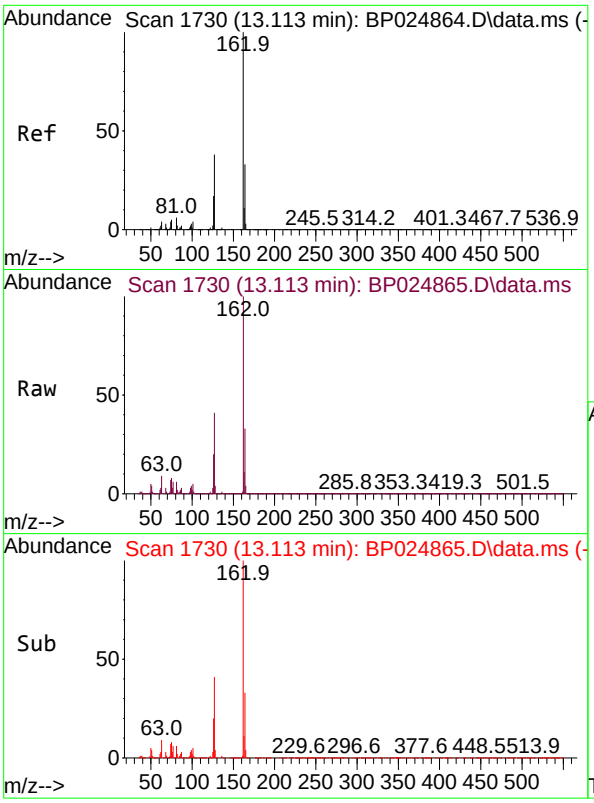


#46
1,1'-Biphenyl
Concen: 51.916 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:154 Resp: 2382821

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	12.4	0.0	33.0



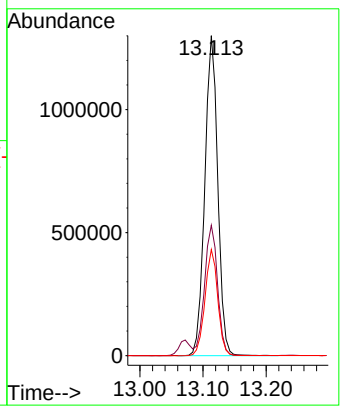


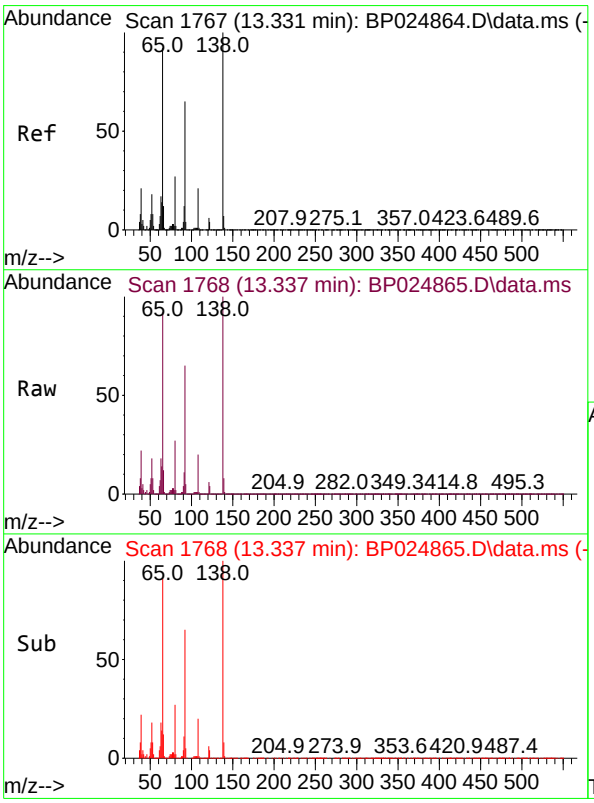
#47
2-Chloronaphthalene
Concen: 52.435 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1849683

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.5	48.7
164	33.1	26.2	39.2

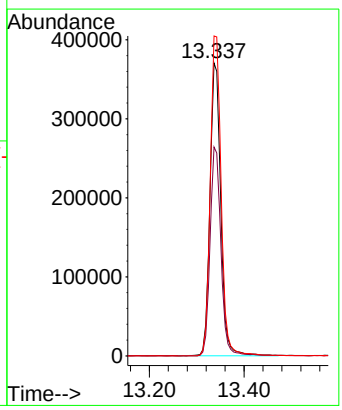


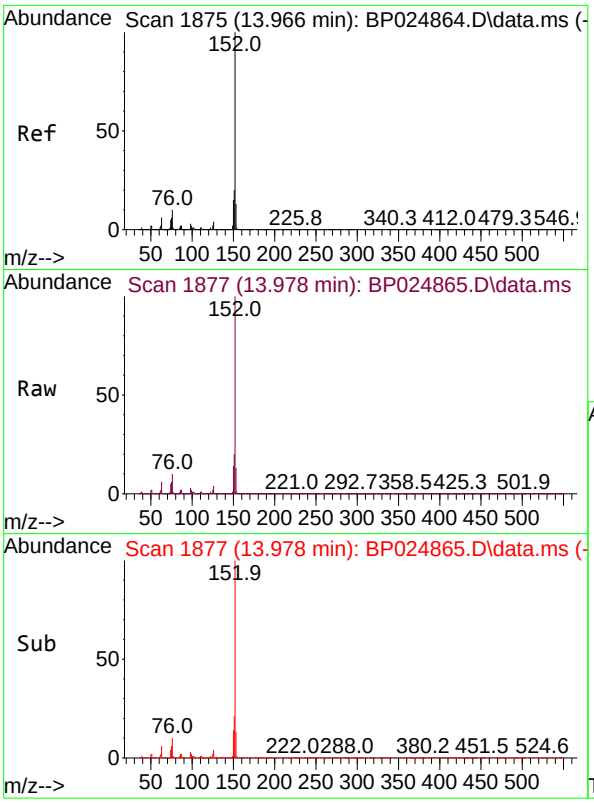


#48
2-Nitroaniline
Concen: 54.079 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 65 Resp: 586484

Ion	Ratio	Lower	Upper
65	100		
92	71.4	56.8	85.2
138	109.3	86.9	130.3



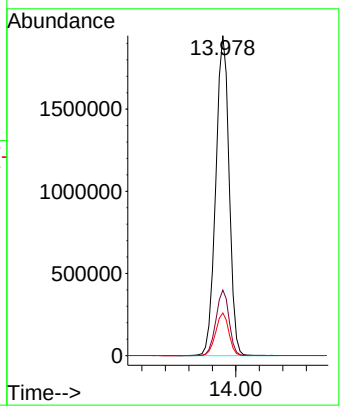


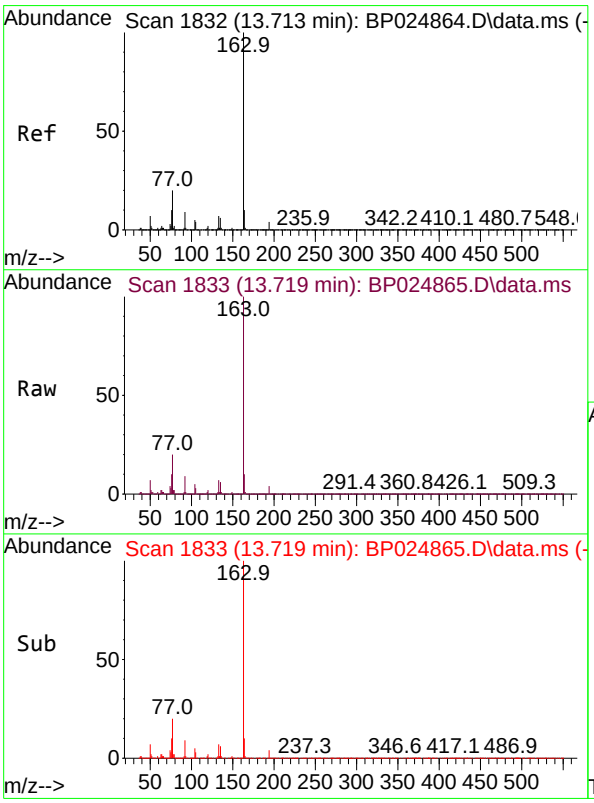
#49
Acenaphthylene
Concen: 52.061 ng
RT: 13.978 min Scan# 18
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3062130

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.3	10.6	15.8

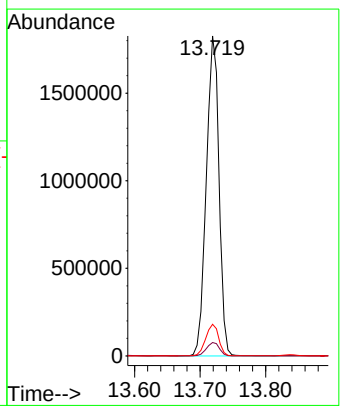


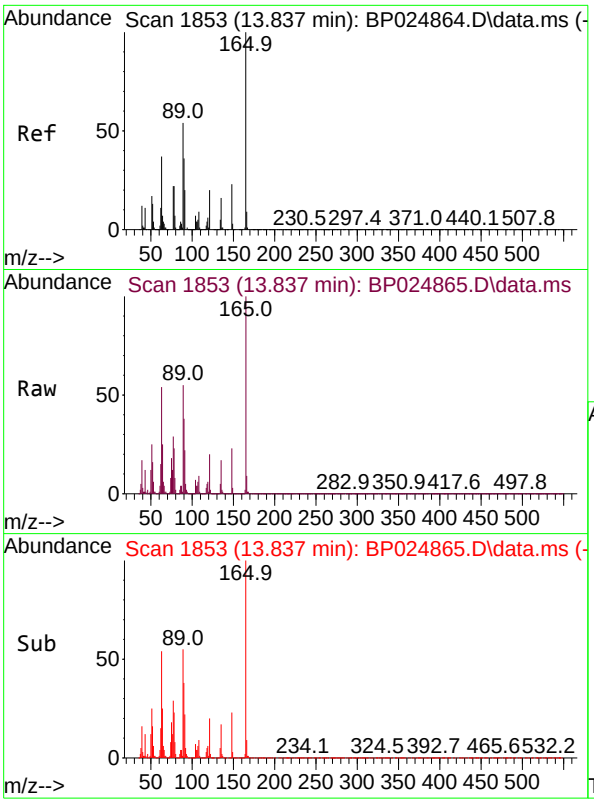


#50
Dimethylphthalate
Concen: 52.527 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:163 Resp: 2447212

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	8.0	12.0



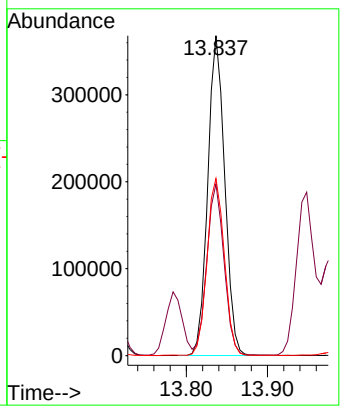


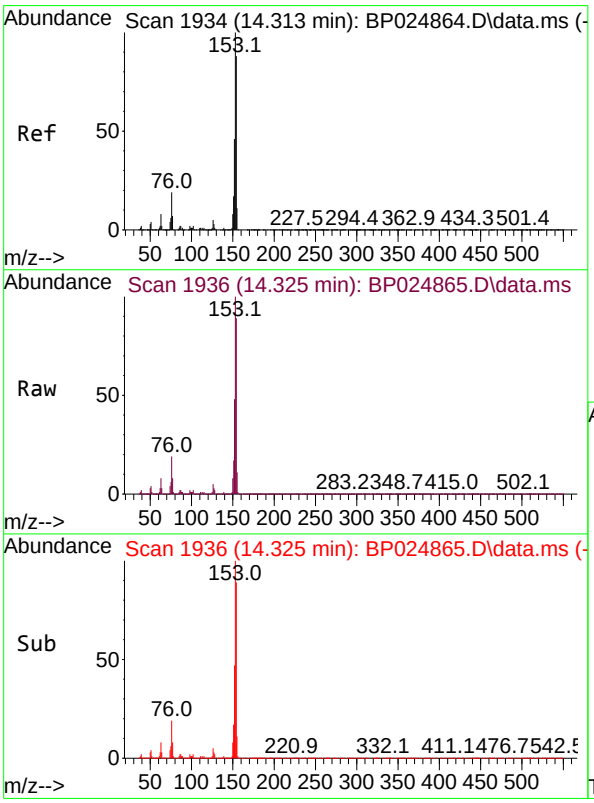
#51
2,6-Dinitrotoluene
Concen: 53.272 ng
RT: 13.837 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 535050

Ion	Ratio	Lower	Upper
165	100		
63	53.7	41.8	62.8
89	55.3	43.1	64.7

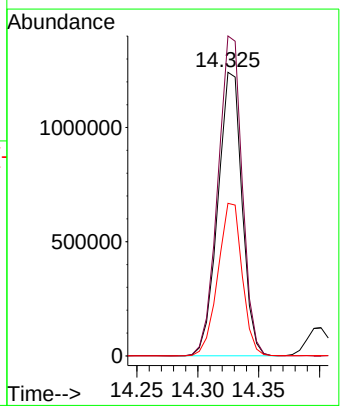


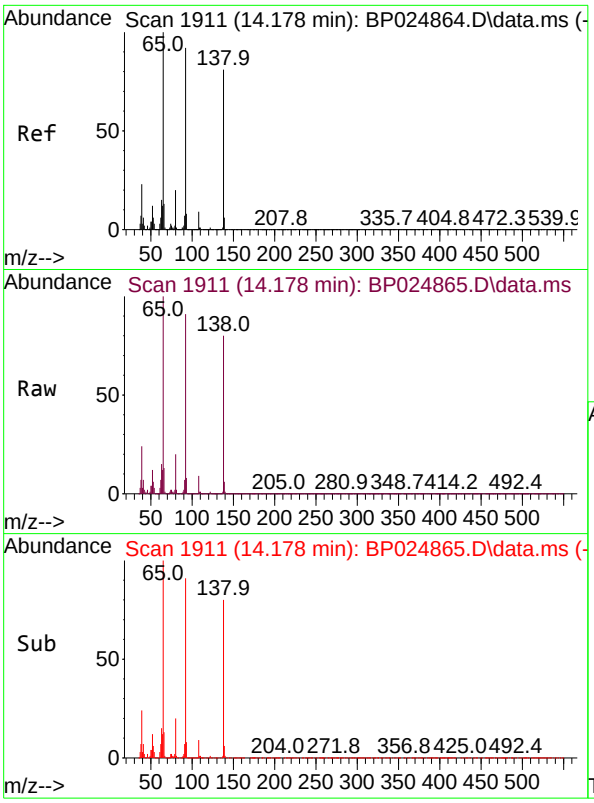


#52
Acenaphthene
Concen: 50.924 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:154 Resp: 1716357

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	53.8	42.1	63.1



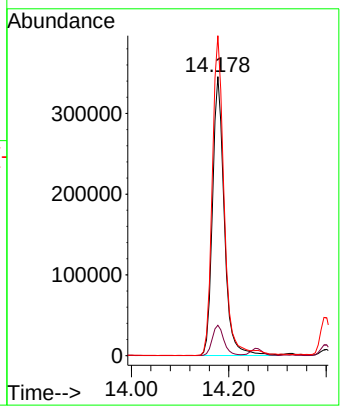


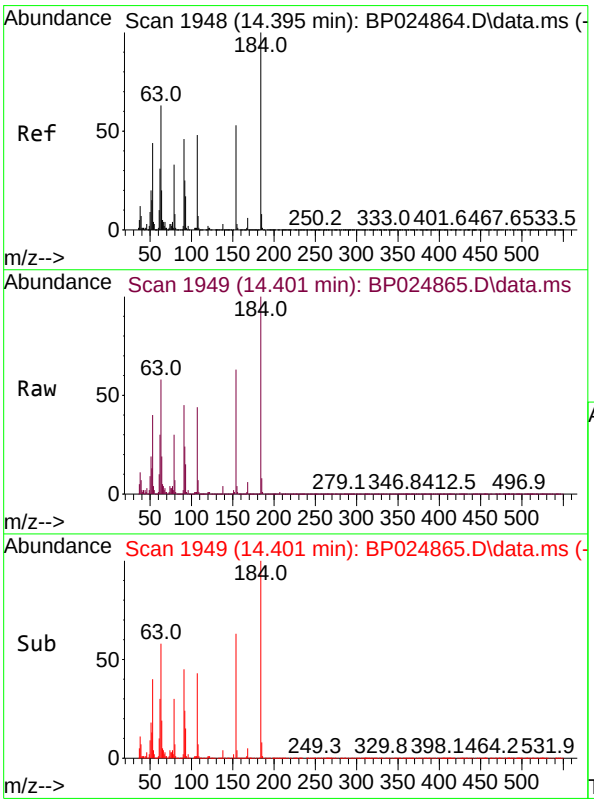
#53
3-Nitroaniline
Concen: 55.664 ng
RT: 14.178 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 580183

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	12.8
92	114.7	91.3	136.9

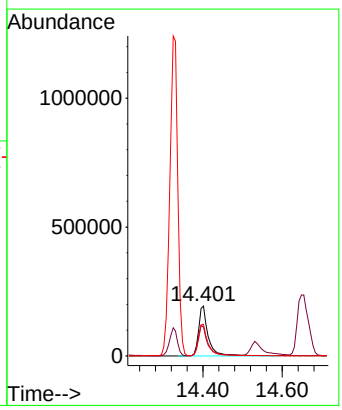


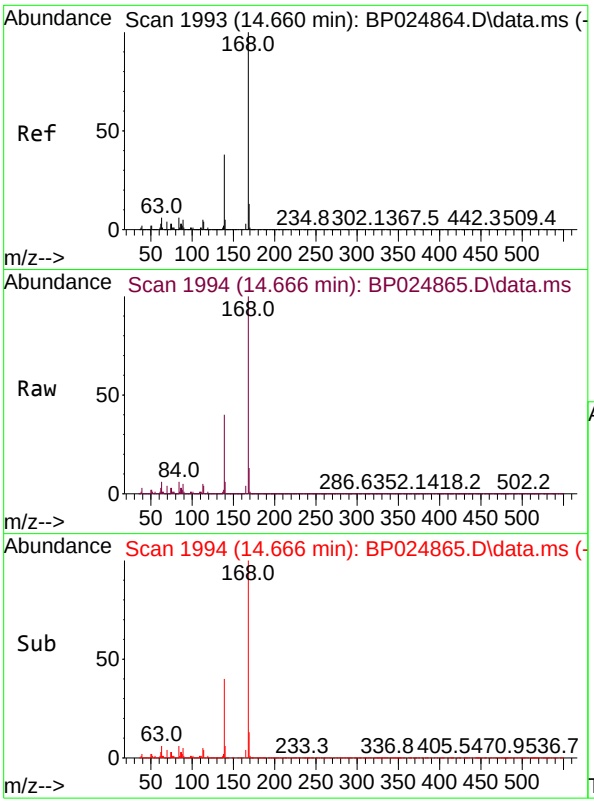


#54
2,4-Dinitrophenol
Concen: 51.248 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:184 Resp: 321110

Ion	Ratio	Lower	Upper
184	100		
63	57.7	51.0	76.4
154	63.4	51.7	77.5



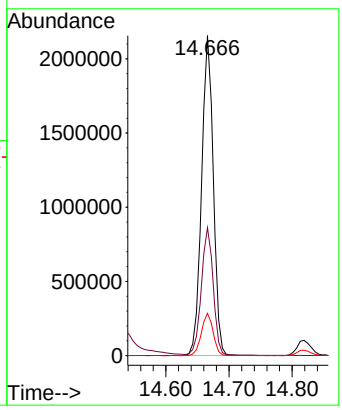


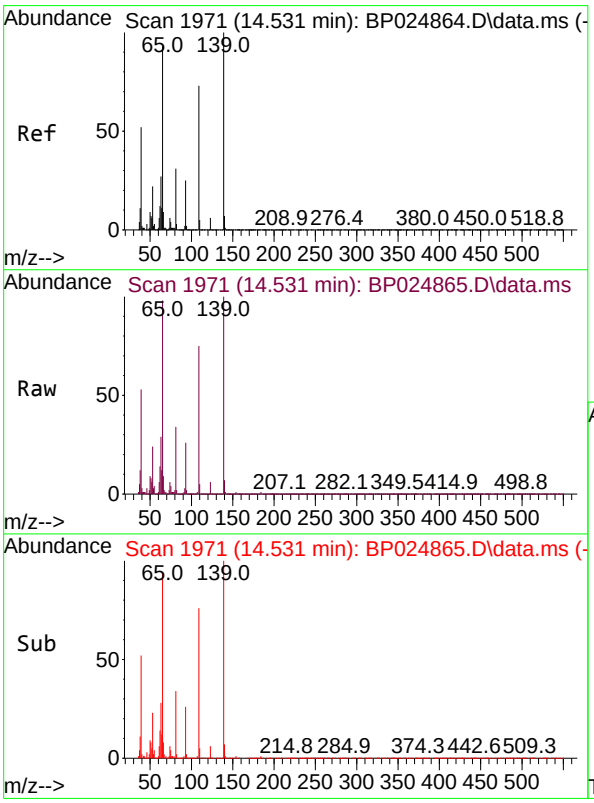
#55
Dibenzofuran
Concen: 51.272 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2773911

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.6	47.4
169	13.2	10.6	15.8

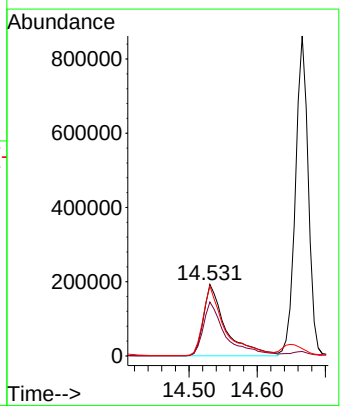


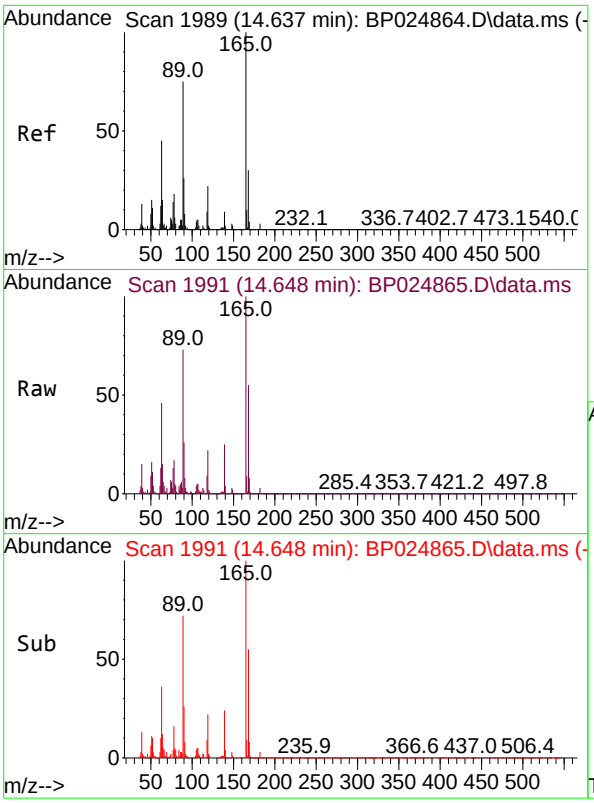


#56
4-Nitrophenol
Concen: 51.384 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:139 Resp: 435101

Ion	Ratio	Lower	Upper
139	100		
109	75.4	53.1	93.1
65	98.1	73.0	113.0



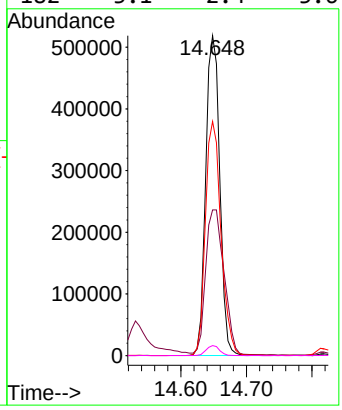


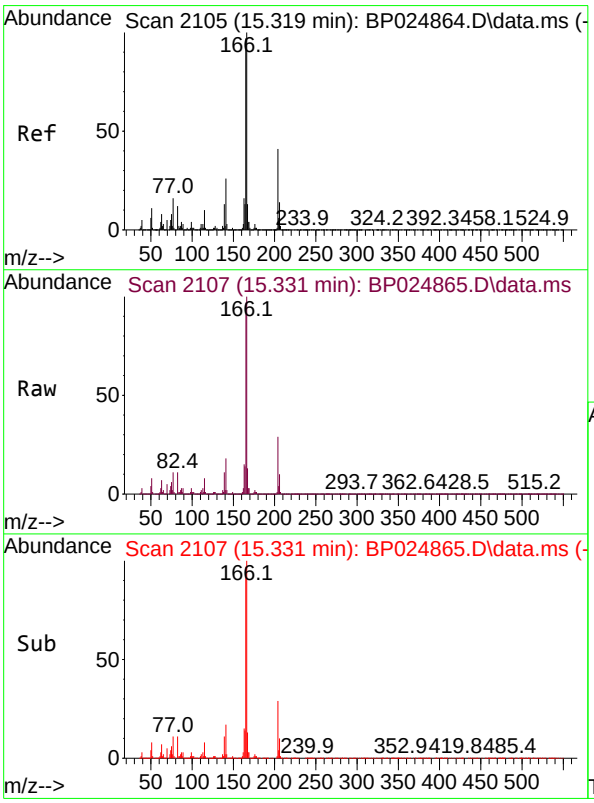
#57
2,4-Dinitrotoluene
Concen: 54.706 ng
RT: 14.648 min Scan# 19
Delta R.T. 0.011 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 768586

Ion	Ratio	Lower	Upper
165	100		
63	45.5	37.0	55.6
89	73.2	60.1	90.1
182	3.1	2.4	3.6

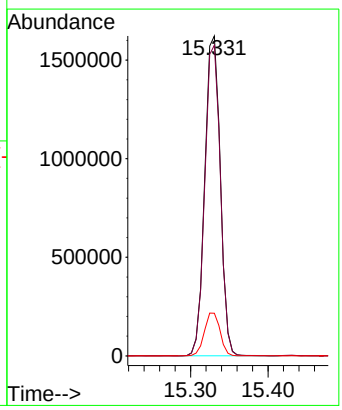


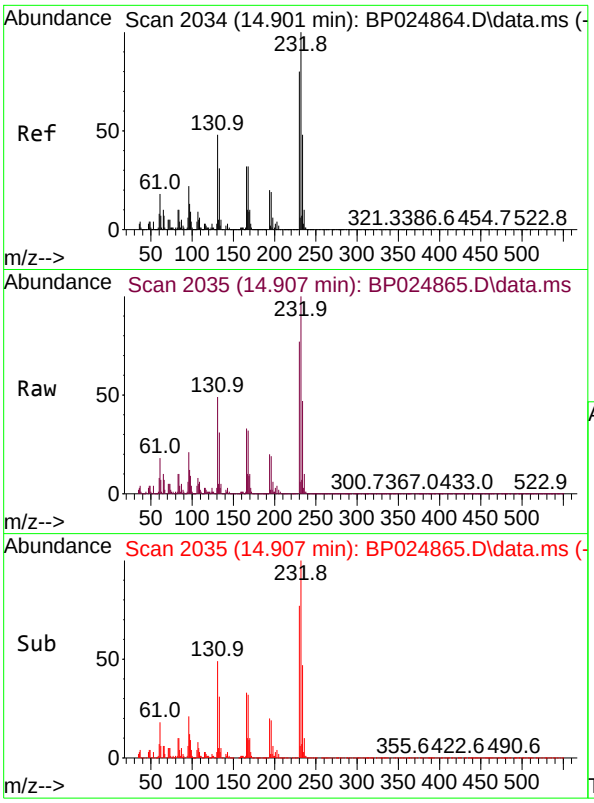


#58
Fluorene
Concen: 51.819 ng
RT: 15.331 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:166 Resp: 2264731

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.4	10.6	16.0



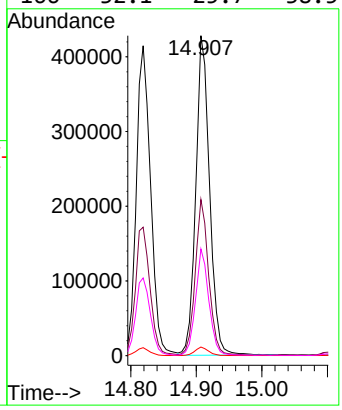


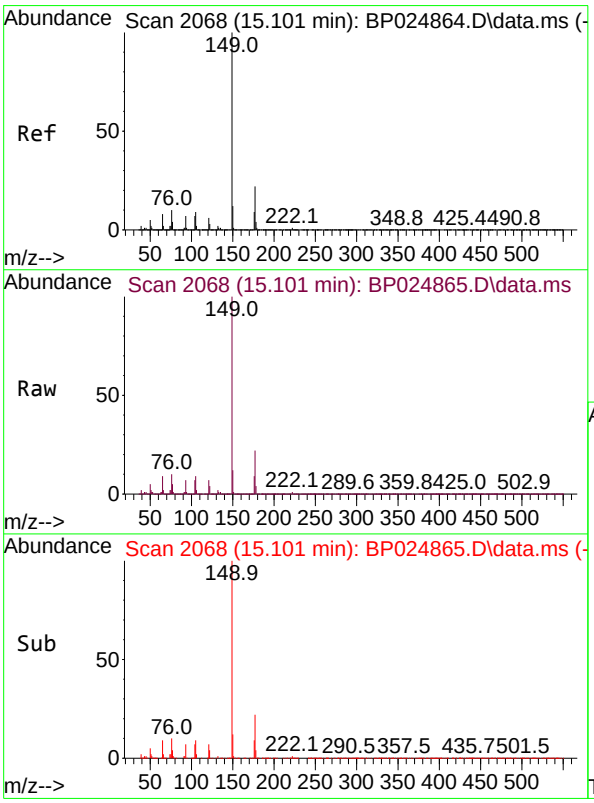
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.063 ng
RT: 14.907 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 623685

Ion	Ratio	Lower	Upper
232	100		
131	47.7	38.2	57.2
130	2.6	2.1	3.1
166	32.1	25.7	38.5

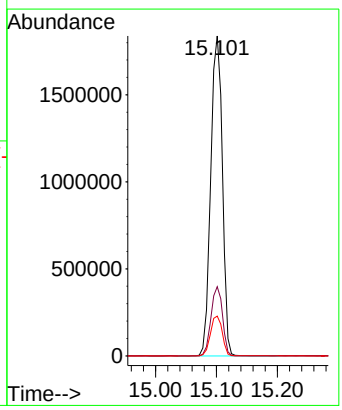


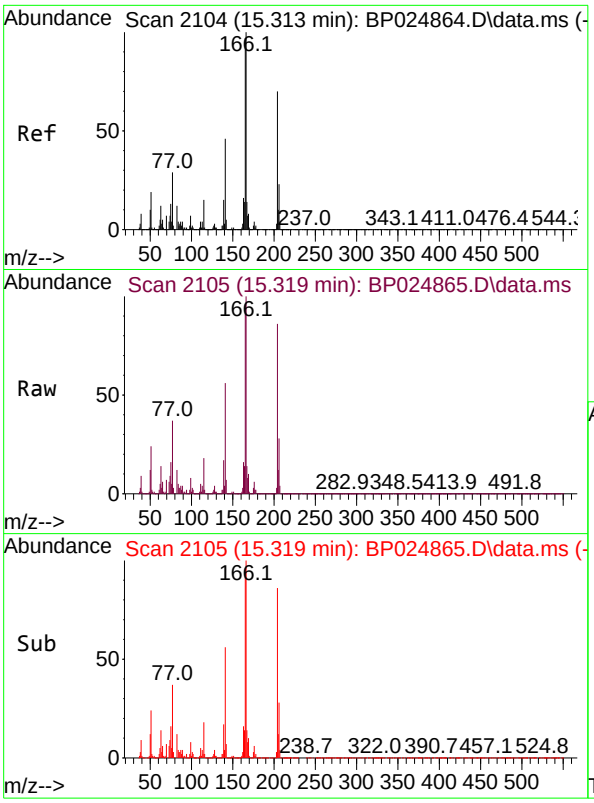


#60
Diethylphthalate
Concen: 52.523 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2438733

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.4	9.8	14.6



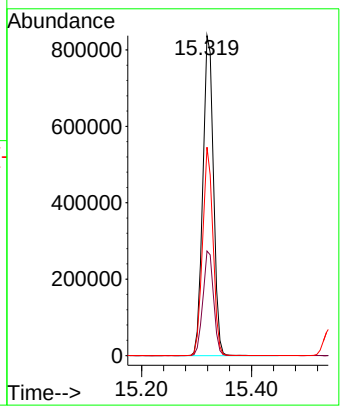


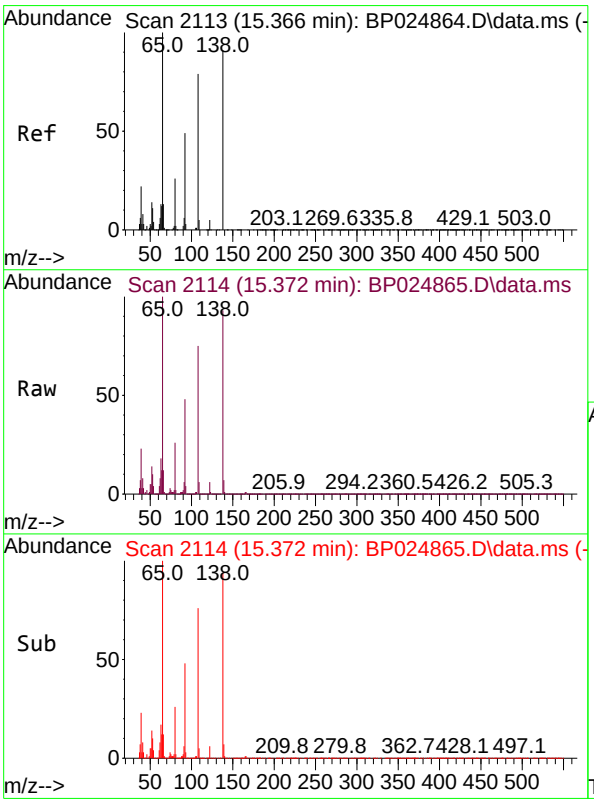
#61
4-Chlorophenyl-phenylether
Concen: 52.365 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1118999

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	40.0
141	65.1	52.4	78.6

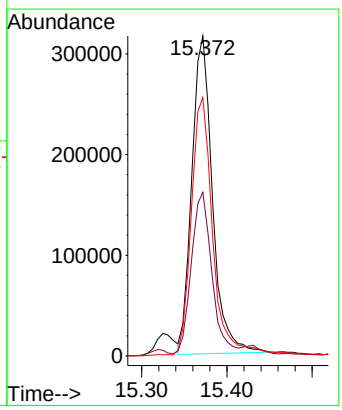


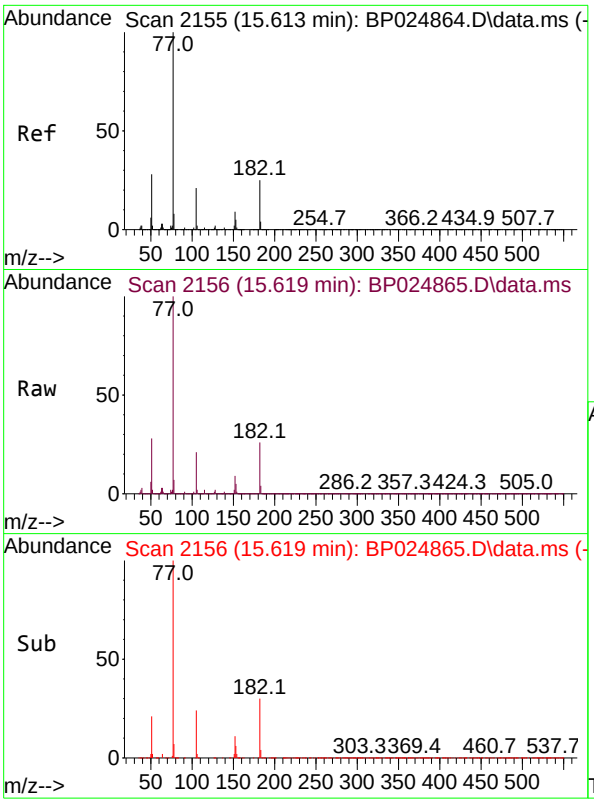


#62
4-Nitroaniline
Concen: 56.050 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:138 Resp: 530012

Ion	Ratio	Lower	Upper
138	100		
92	51.1	33.5	73.5
108	80.7	65.1	105.1



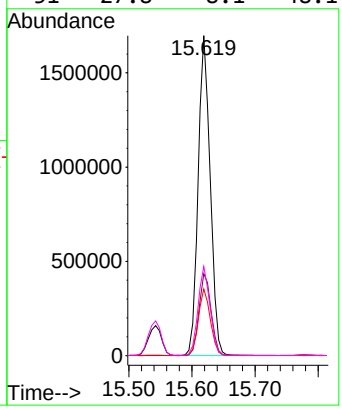


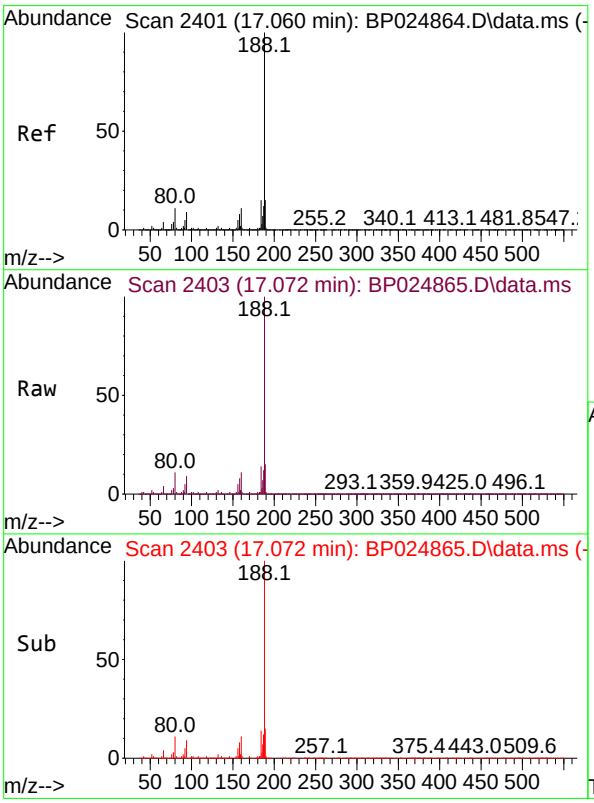
#63
Azobenzene
Concen: 52.821 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2249353

Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.4	45.4
105	20.8	0.8	40.8
51	27.8	8.1	48.1

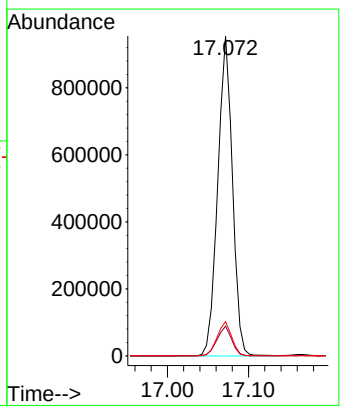


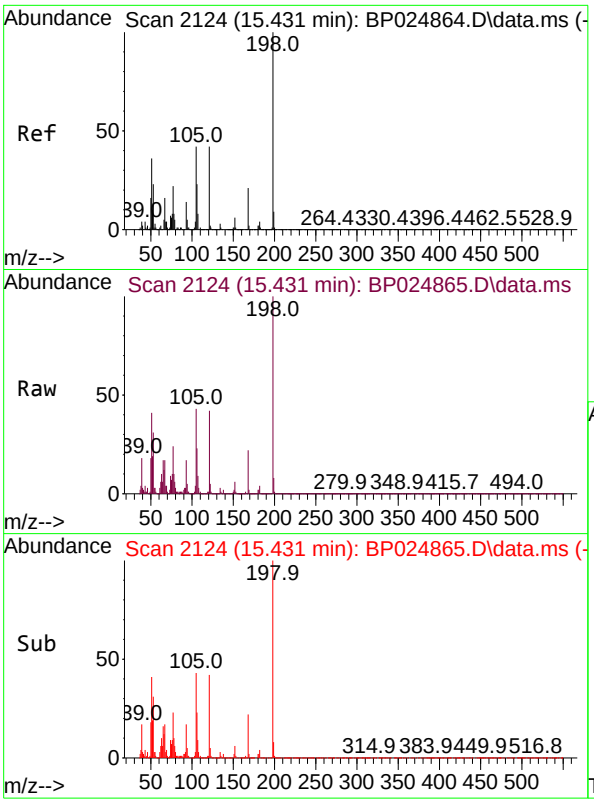


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:188 Resp: 1197709

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.7	8.5	12.7



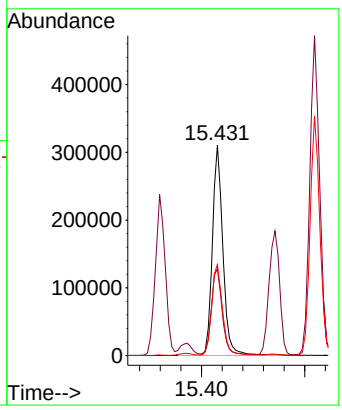


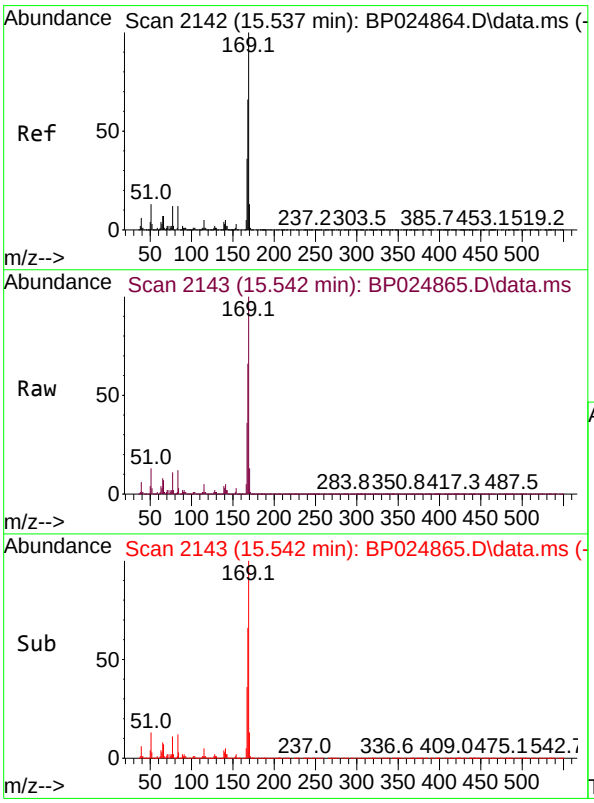
#65
4,6-Dinitro-2-methylphenol
Concen: 55.863 ng
RT: 15.431 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 439647

Ion	Ratio	Lower	Upper
198	100		
51	41.4	19.2	59.2
105	43.3	22.6	62.6

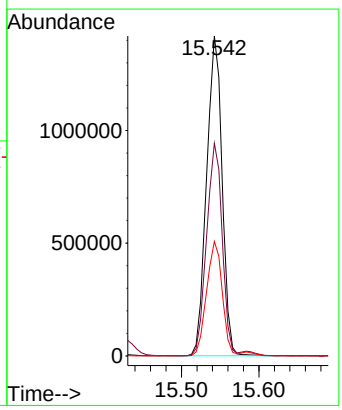


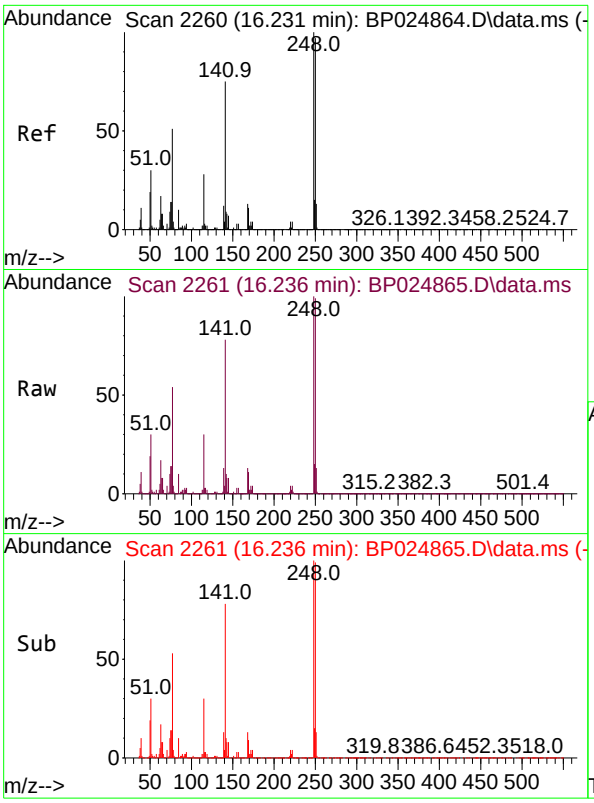


#66
n-Nitrosodiphenylamine
Concen: 53.178 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:169 Resp: 1974147

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.8	28.6	43.0



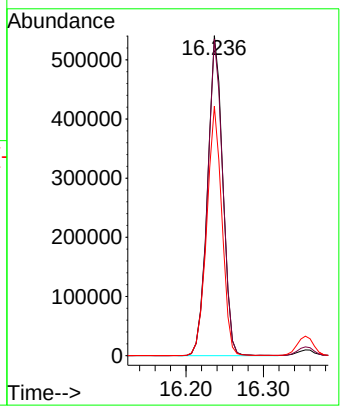


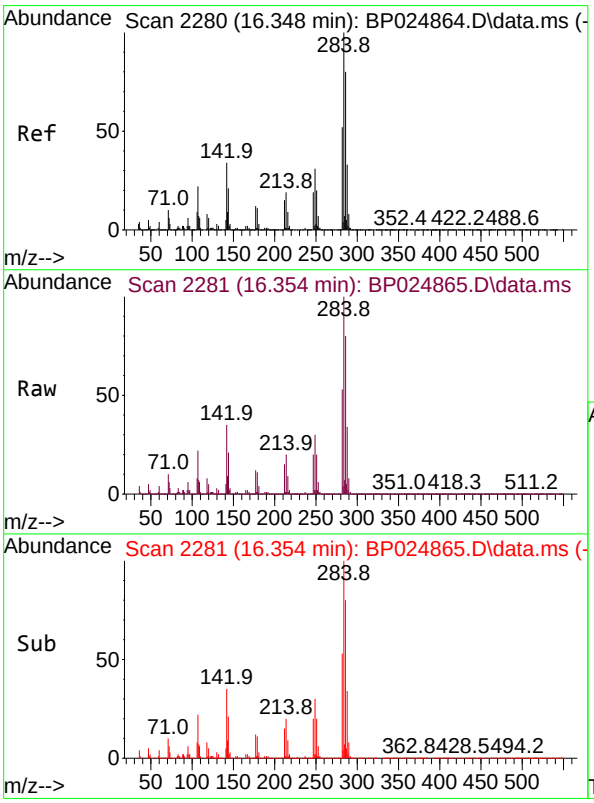
#67
4-Bromophenyl-phenylether
Concen: 54.595 ng
RT: 16.236 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 737798

Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.4	116.2
141	77.9	59.9	89.9

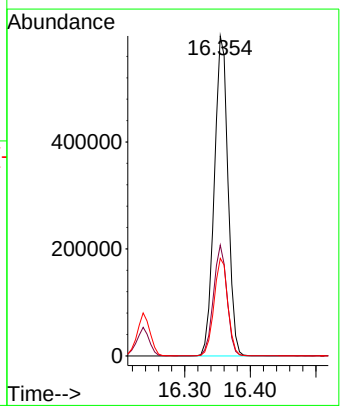


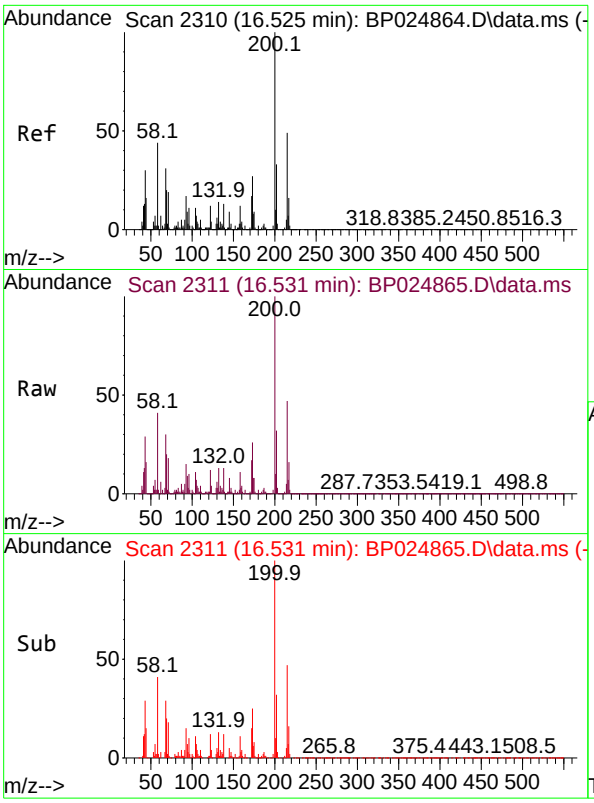


#68
Hexachlorobenzene
Concen: 52.948 ng
RT: 16.354 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:284 Resp: 867444

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.0	40.6
249	30.5	25.0	37.6



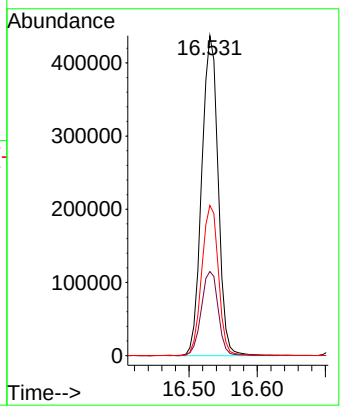


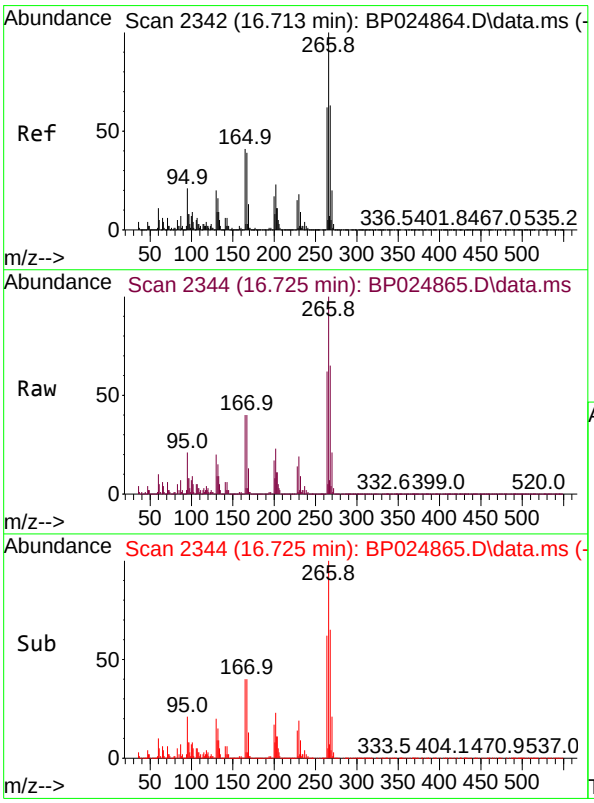
#69
Atrazine
Concen: 54.392 ng
RT: 16.531 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 732007

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.9	46.9
215	46.9	28.7	68.7

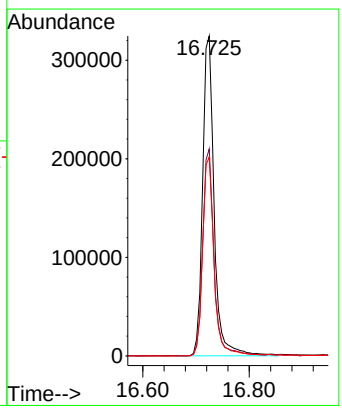


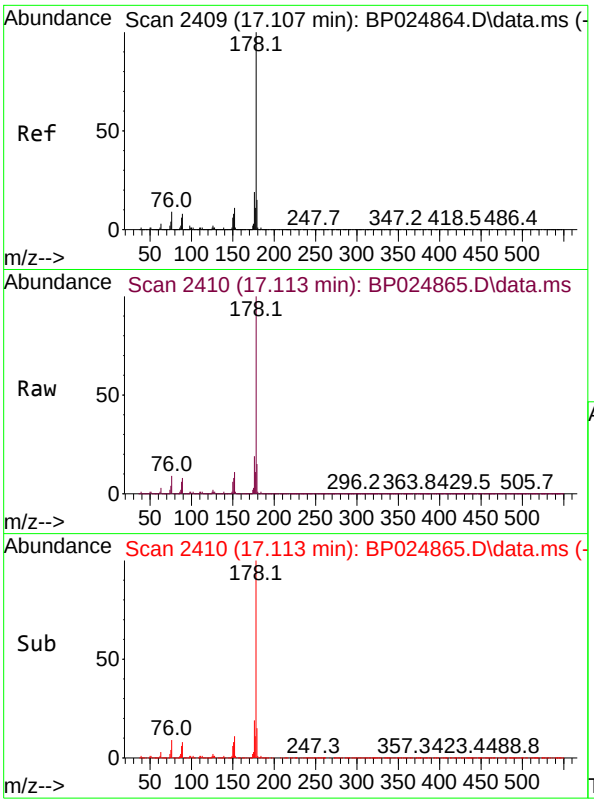


#70
Pentachlorophenol
Concen: 57.349 ng
RT: 16.725 min Scan# 2344
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:266 Resp: 486264

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.6	76.0
264	62.2	49.7	74.5



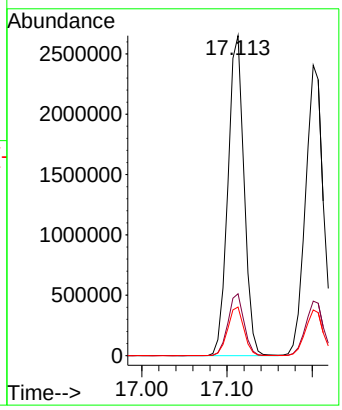


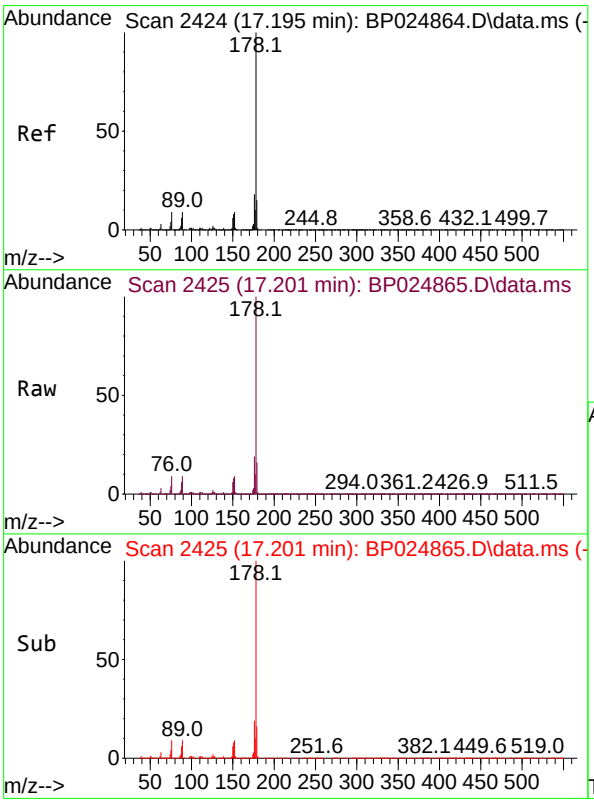
#71
Phenanthrene
Concen: 52.543 ng
RT: 17.113 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3477677

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.1	18.1

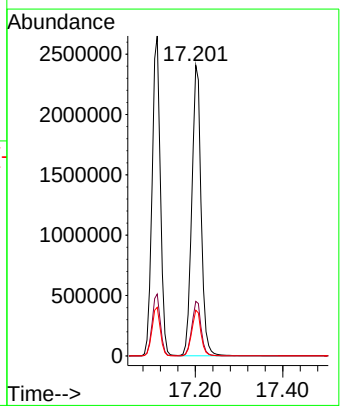


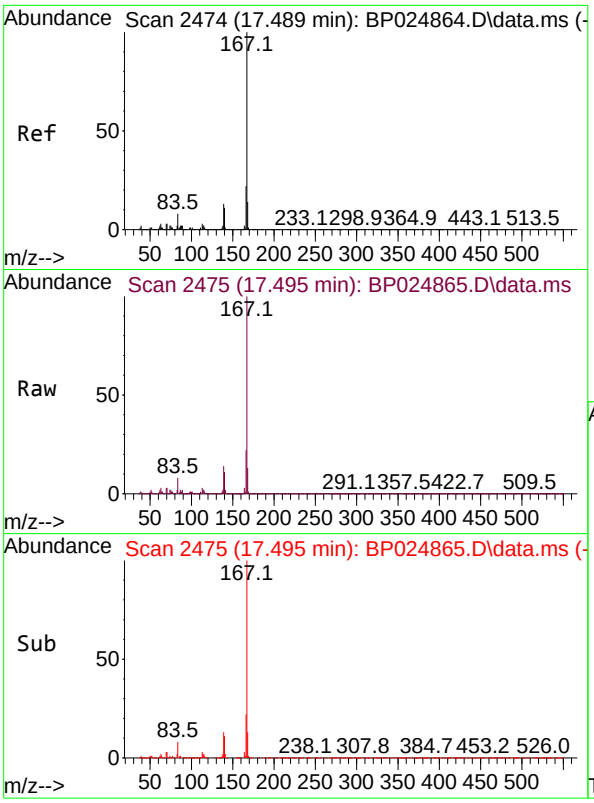


#72
Anthracene
Concen: 53.089 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:178 Resp: 3558691

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.7	12.3	18.5



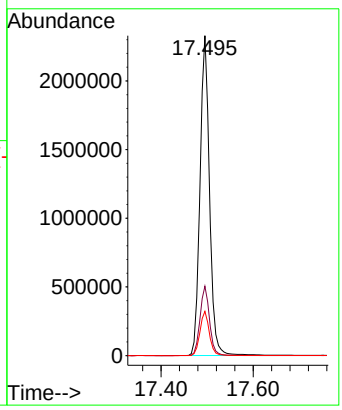


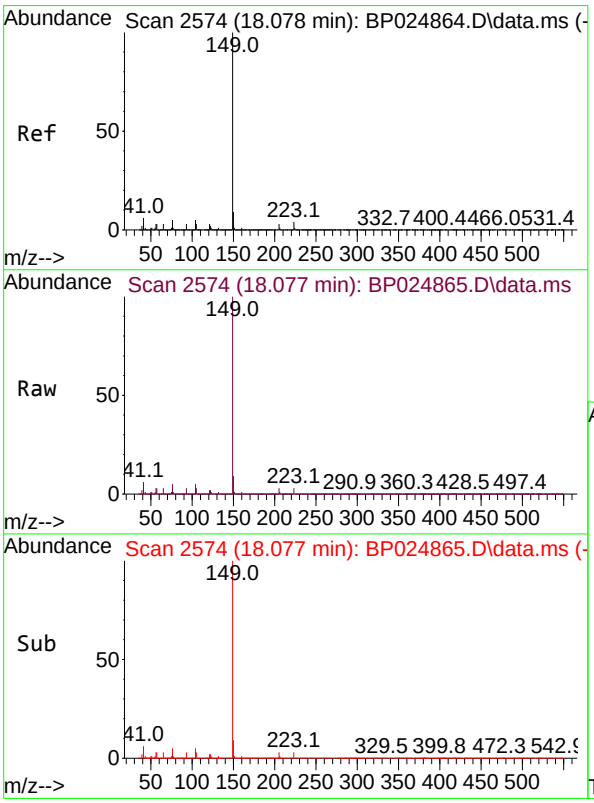
#73
Carbazole
Concen: 53.599 ng
RT: 17.495 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3330211

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.8	10.8	16.2

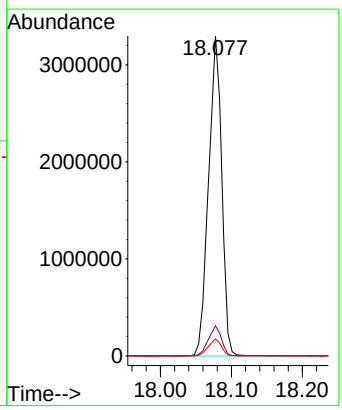


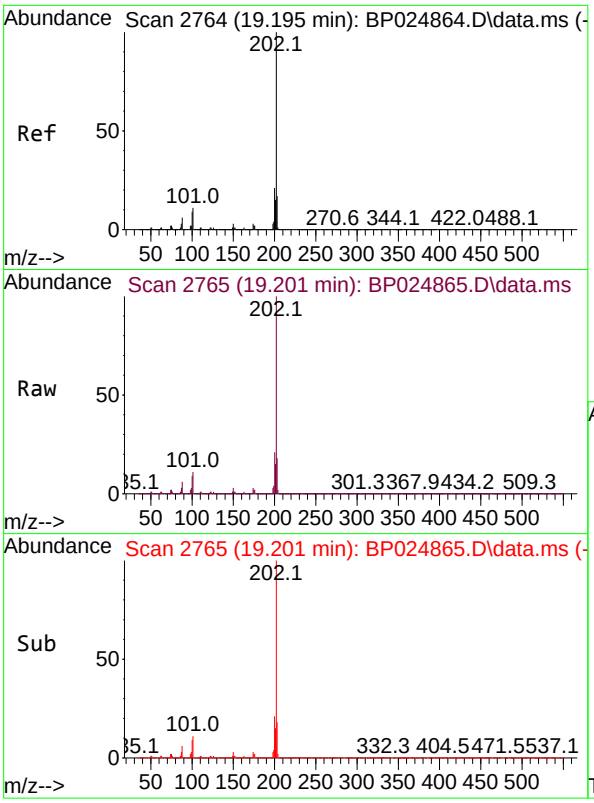


#74
Di-n-butylphthalate
Concen: 55.253 ng
RT: 18.077 min Scan# 2574
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 4253447

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.3	4.2	6.2



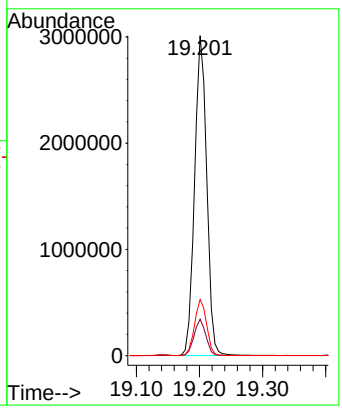


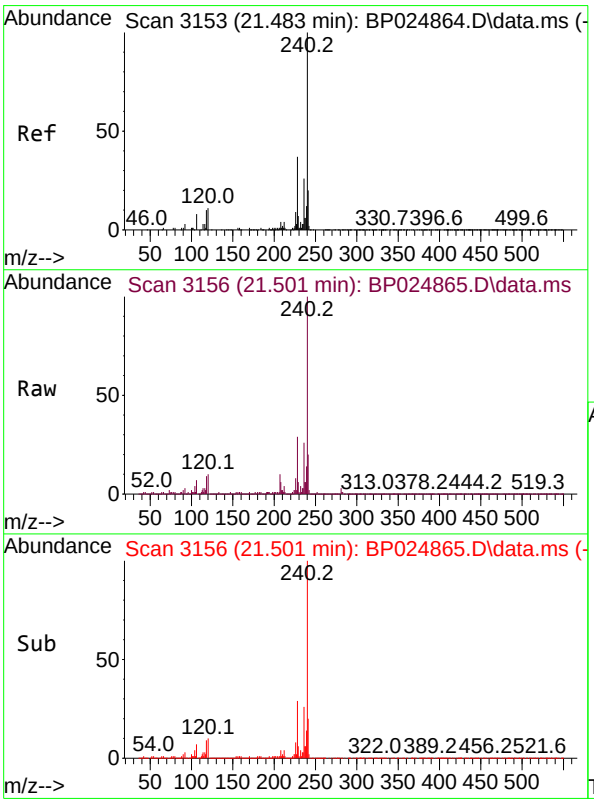
#75
Fluoranthene
Concen: 52.455 ng
RT: 19.201 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4024039

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5

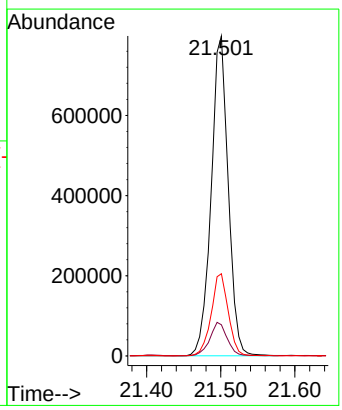


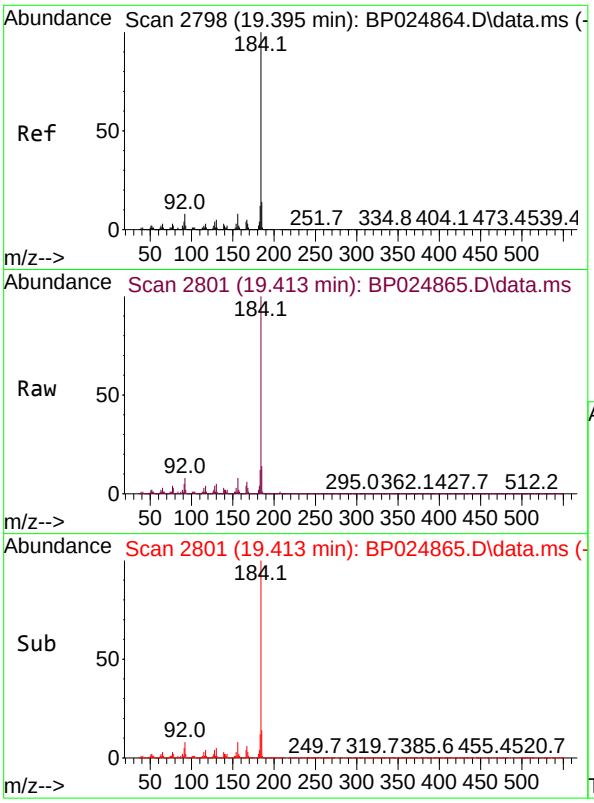


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.017 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:240 Resp: 1276071

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	25.7	20.9	31.3



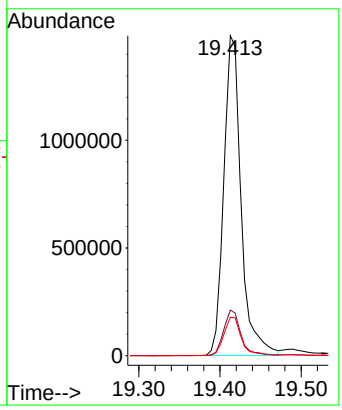


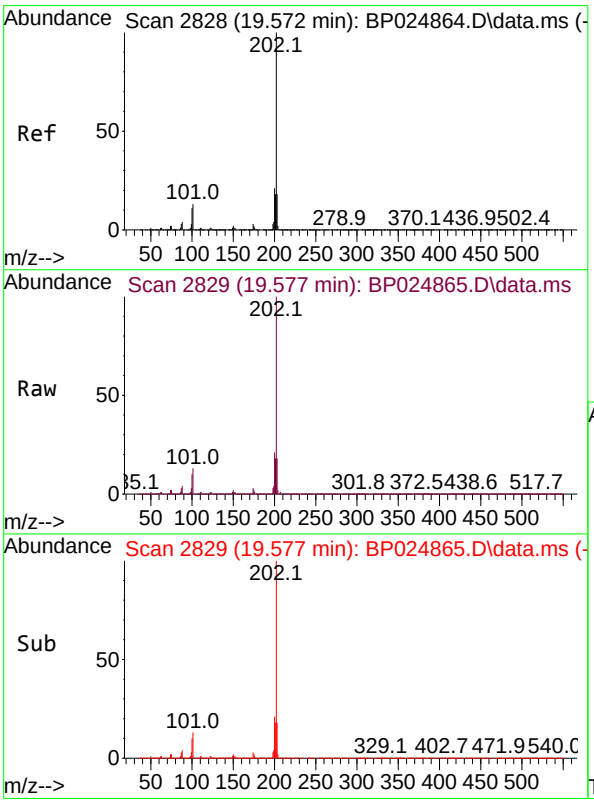
#77
Benzidine
Concen: 55.718 ng
RT: 19.413 min Scan# 28
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2202092

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.9	9.5	14.3

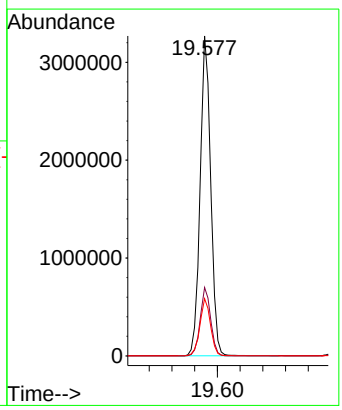


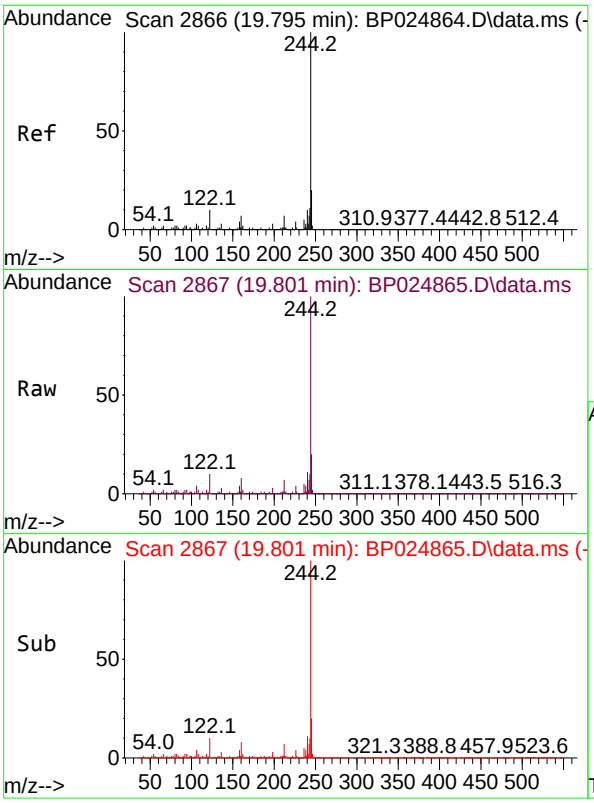


#78
Pyrene
Concen: 52.900 ng
RT: 19.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:202 Resp: 4217295

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.9	14.0	21.0



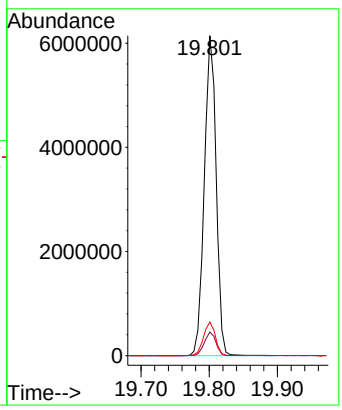


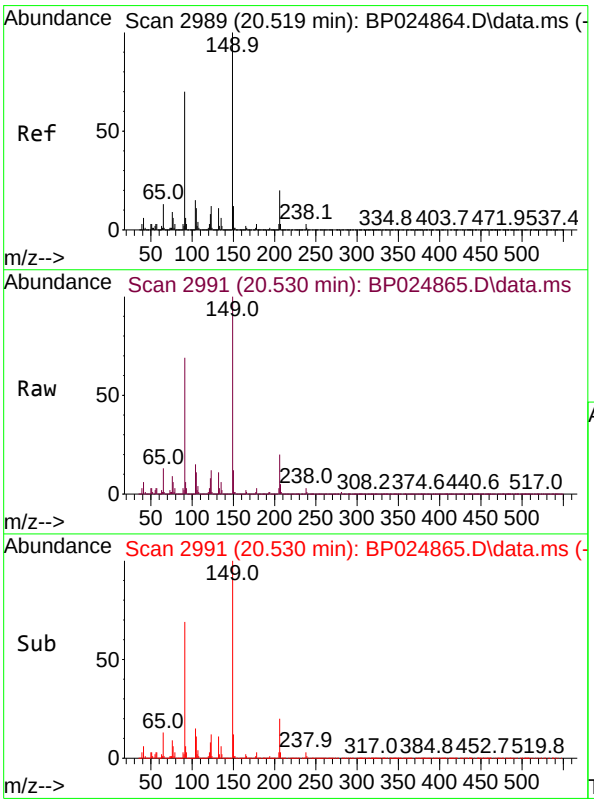
#79
Terphenyl-d14
Concen: 104.339 ng
RT: 19.801 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7428863

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.5	7.7	11.5

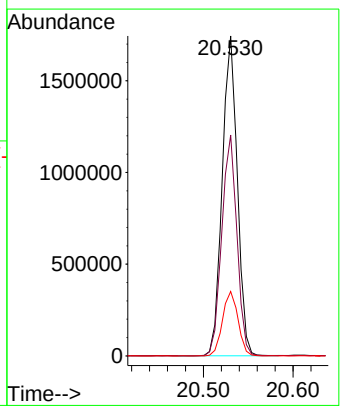


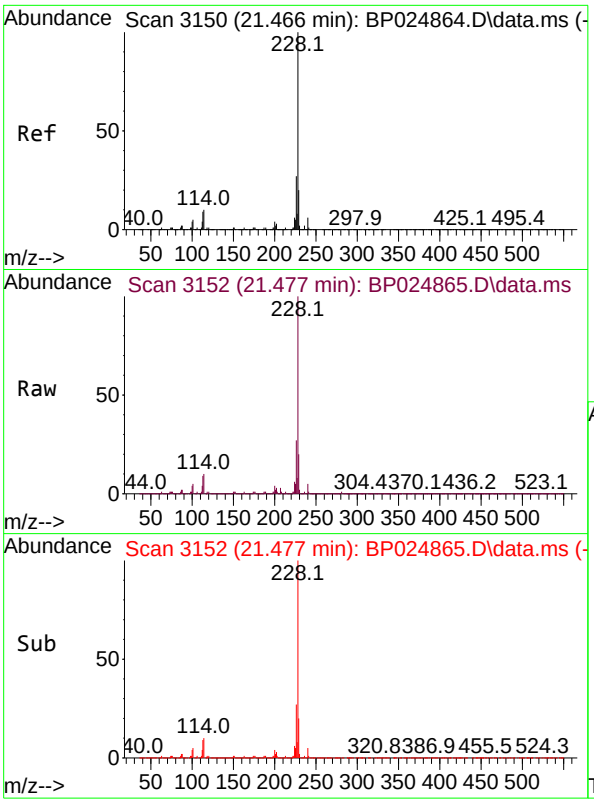


#80
Butylbenzylphthalate
Concen: 56.010 ng
RT: 20.530 min Scan# 2991
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2045307

Ion	Ratio	Lower	Upper
149	100		
91	69.0	55.8	83.8
206	20.1	16.2	24.2



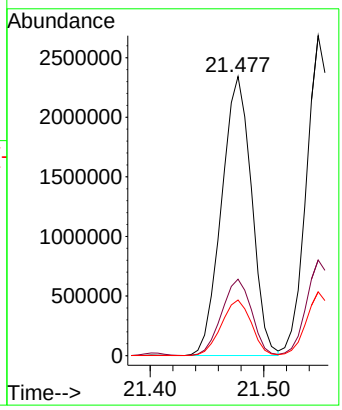


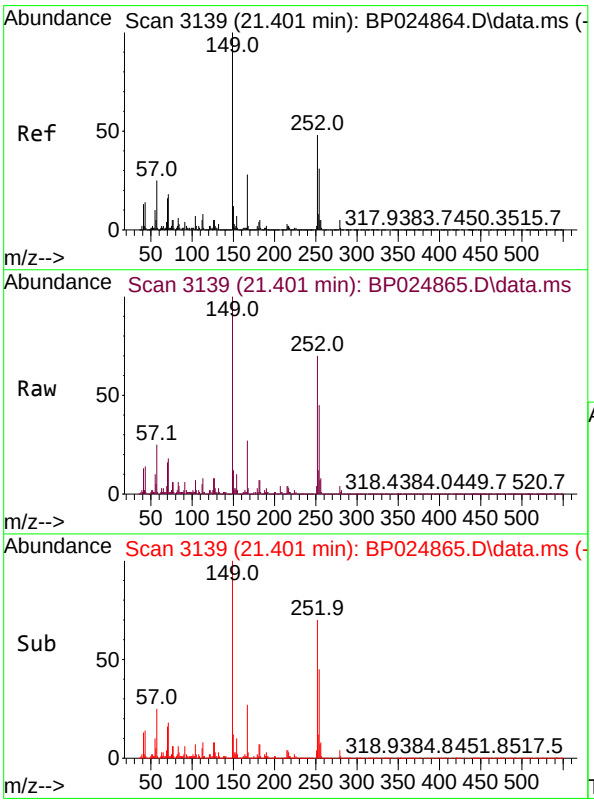
#81
Benzo(a)anthracene
Concen: 52.648 ng
RT: 21.477 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4296840

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.9	15.9	23.9

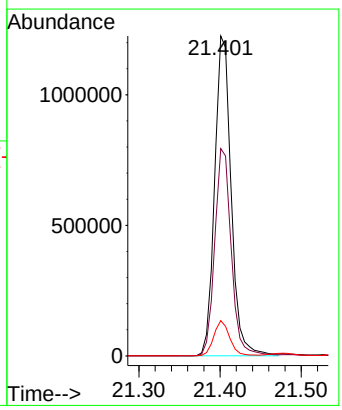


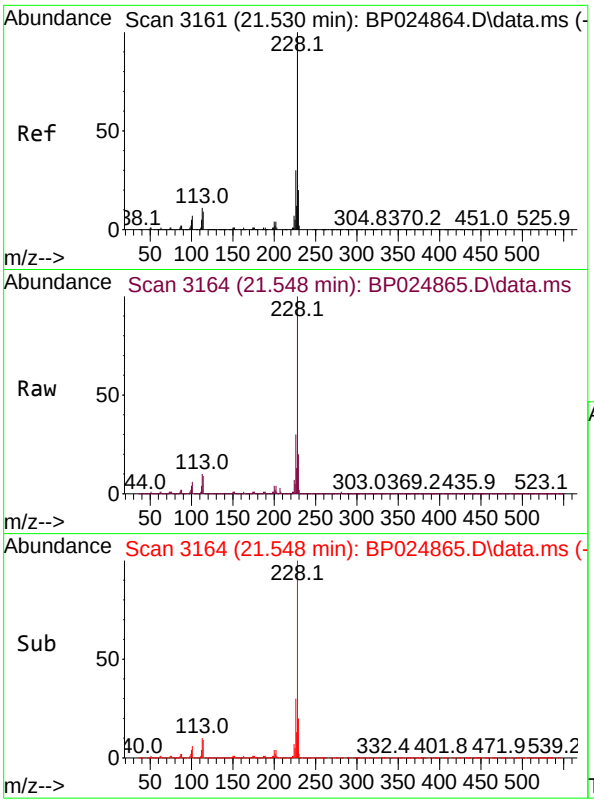


#82
3,3'-Dichlorobenzidine
Concen: 53.402 ng
RT: 21.401 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 1730292

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	11.0	8.6	12.8



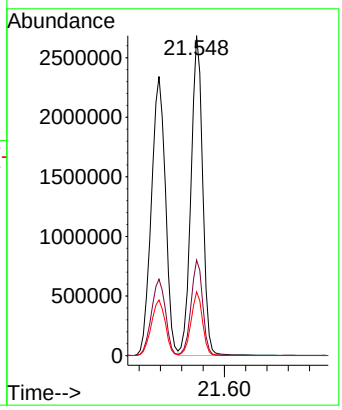


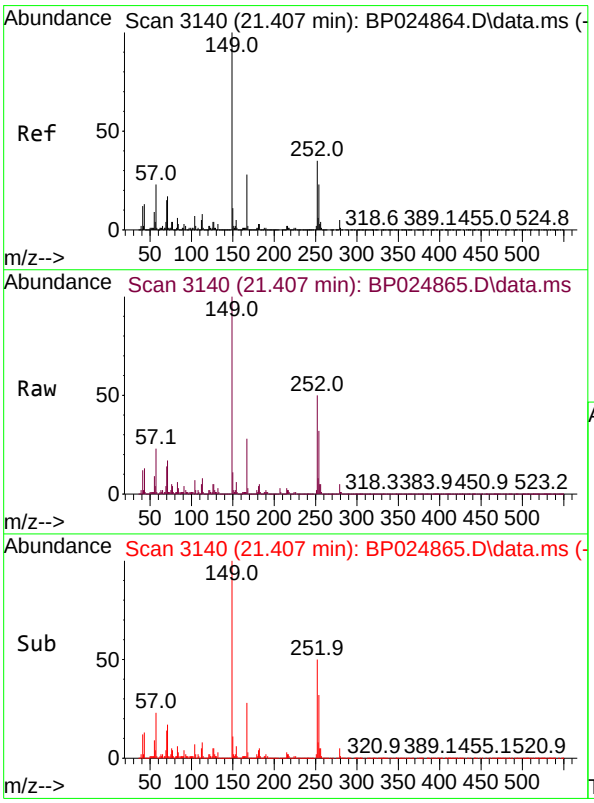
#83
Chrysene
Concen: 52.768 ng
RT: 21.548 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4080671

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.9	15.6	23.4

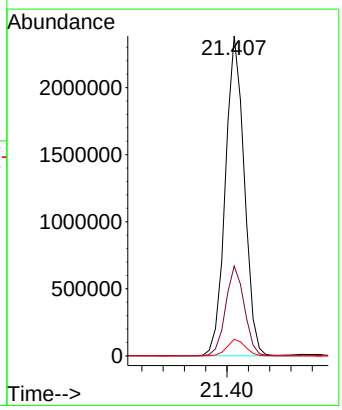


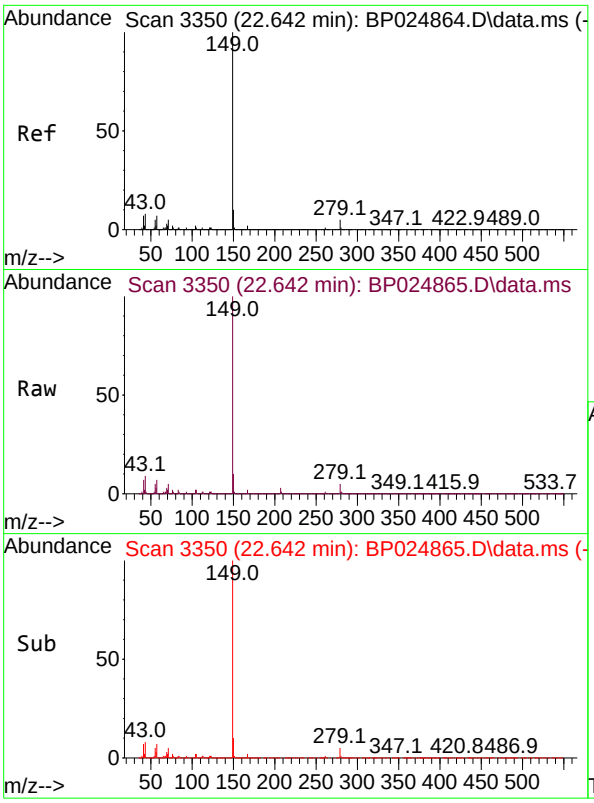


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.166 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2938577

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.2	4.0	6.0



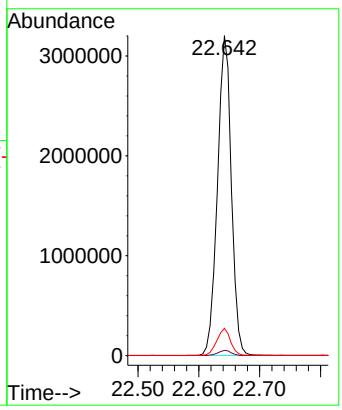


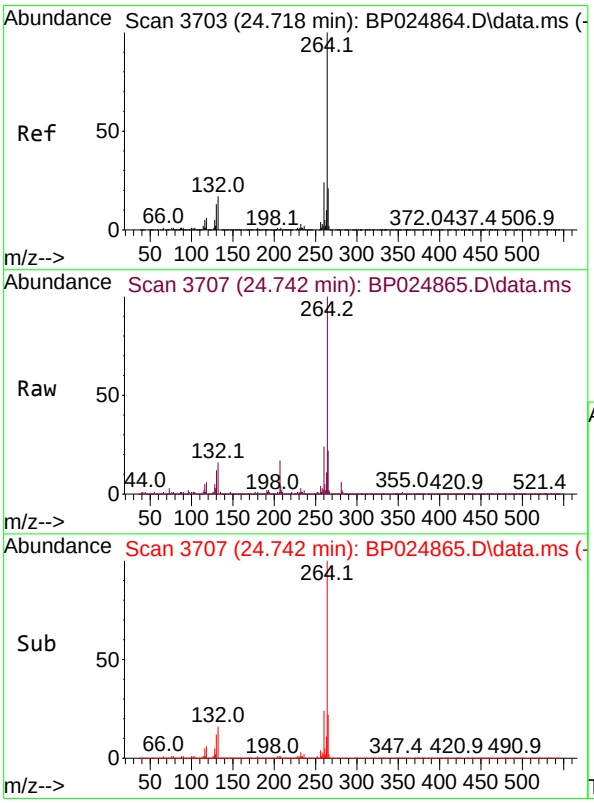
#85
Di-n-octyl phthalate
Concen: 54.889 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5061827

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0

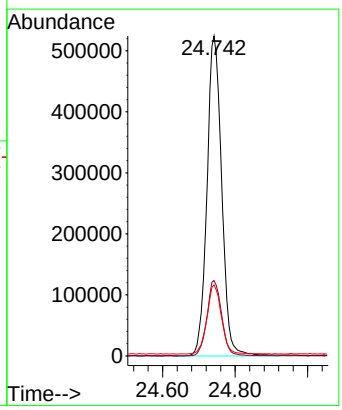


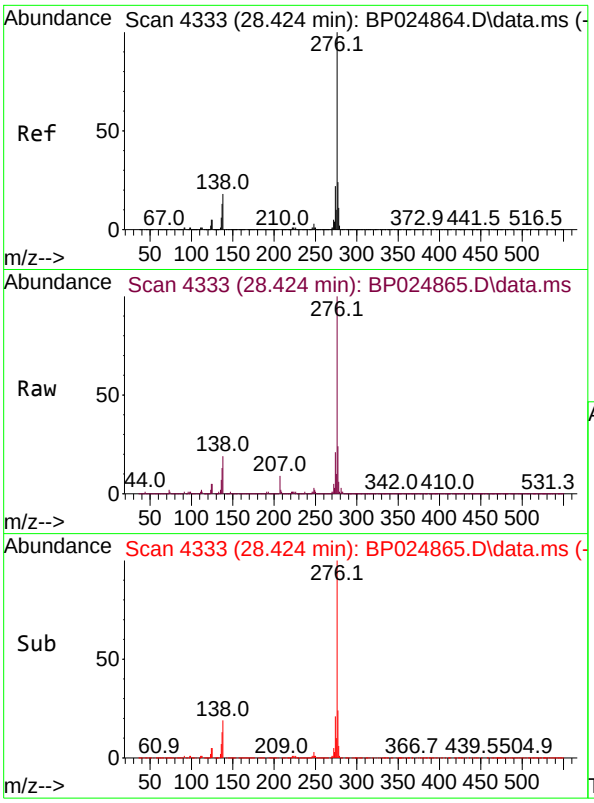


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.023 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:264 Resp: 1475251

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.2	17.4	26.0



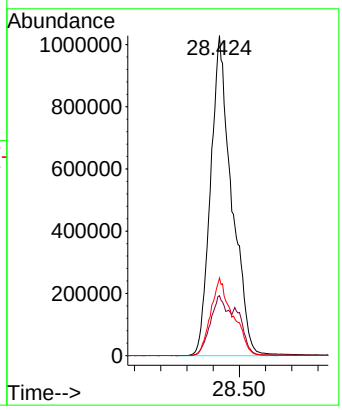


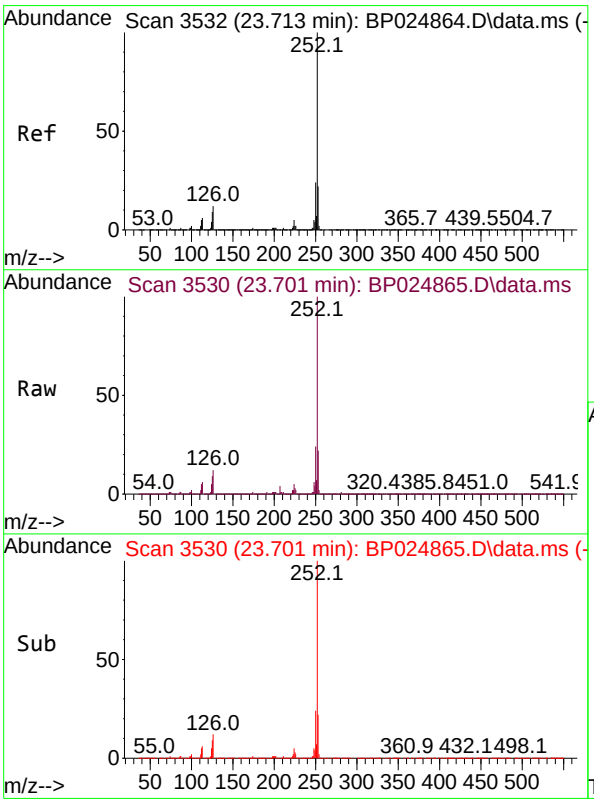
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.412 ng
RT: 28.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5749111

Ion	Ratio	Lower	Upper
276	100		
138	16.1	18.6	27.8#
277	25.4	20.2	30.4

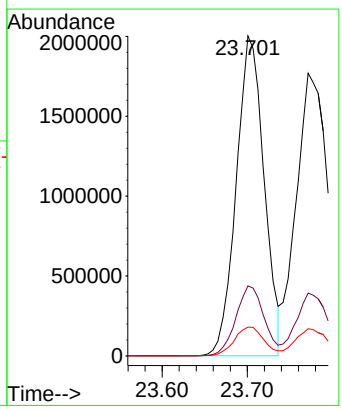


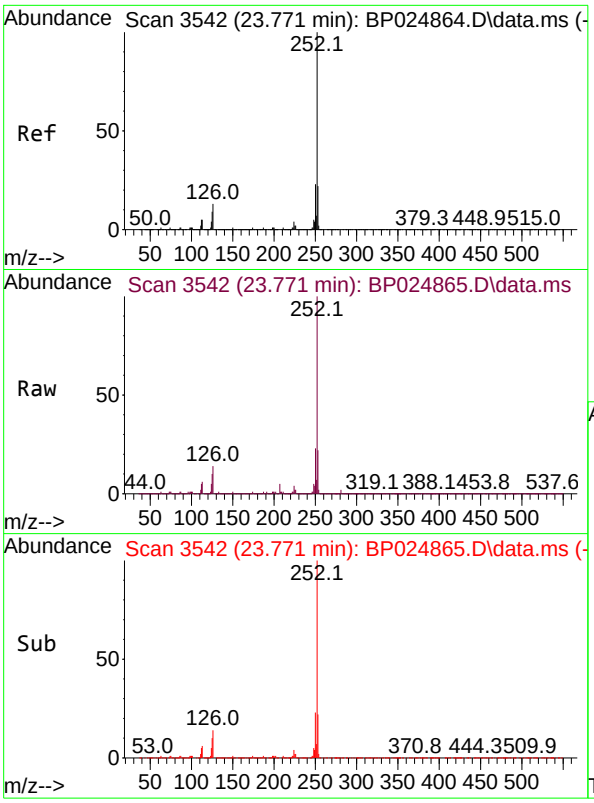


#88
Benzo(b)fluoranthene
Concen: 53.840 ng
RT: 23.701 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 4545535

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.0	7.1	10.7



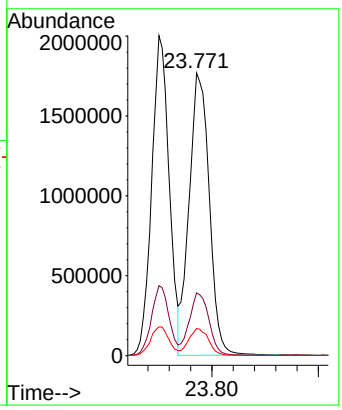


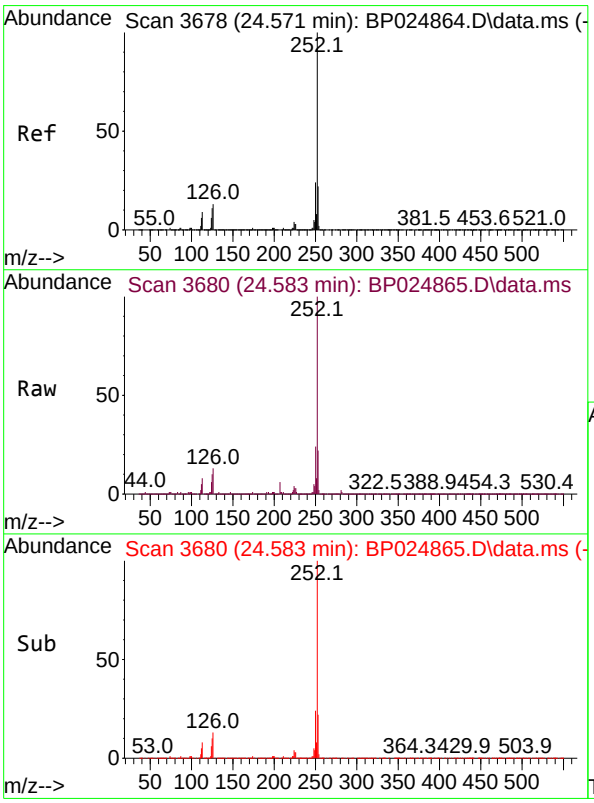
#89
Benzo(k)fluoranthene
Concen: 54.012 ng
RT: 23.771 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4641829

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.6	7.4	11.0

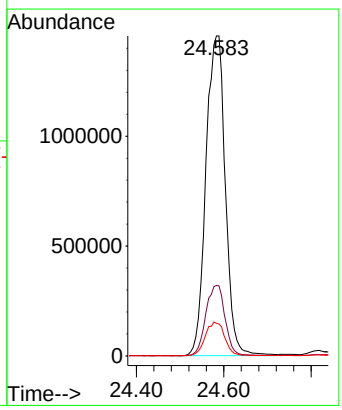


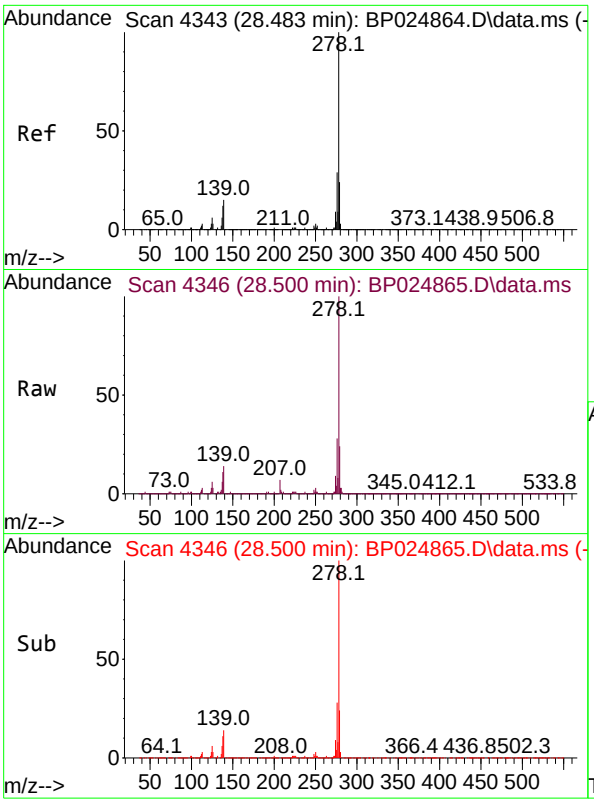


#90
Benzo(a)pyrene
Concen: 54.313 ng
RT: 24.583 min Scan# 3680
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 4478222

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.2	8.8	13.2



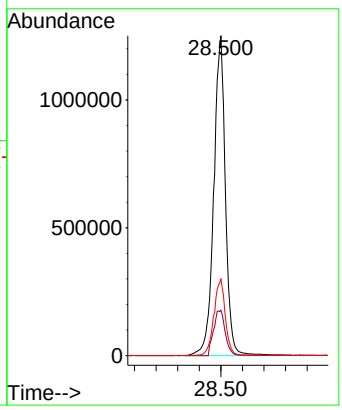


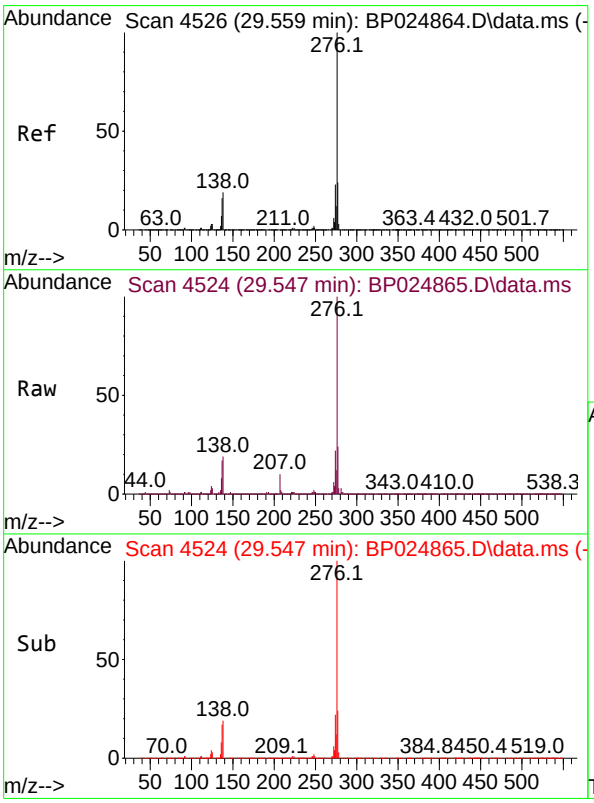
#91
Dibenzo(a,h)anthracene
Concen: 53.822 ng
RT: 28.500 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4715596

Ion	Ratio	Lower	Upper
278	100		
139	14.2	12.0	18.0
279	23.9	19.1	28.7

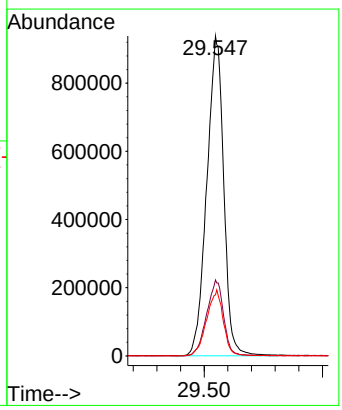




#92
Benzo(g,h,i)perylene
Concen: 53.490 ng
RT: 29.547 min Scan# 4524
Delta R.T. -0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:276 Resp: 4649887

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	19.1	15.4	23.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	233459	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1006719	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	639758	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1223735	20.000	ng	-0.02
76) Chrysene-d12	21.477	240	1245531	20.000	ng	0.00
86) Perylene-d12	24.736	264	1494809	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1754536	125.447	ng	0.00
7) Phenol-d6	6.814	99	2365958	127.853	ng	0.00
23) Nitrobenzene-d5	8.760	82	2555584	123.355	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	1097449	124.076	ng	-0.01
45) 2-Fluorobiphenyl	12.860	172	5620380	118.347	ng	0.00
79) Terphenyl-d14	19.778	244	8373144	120.485	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	360857	58.637	ng	100
3) Pyridine	3.561	79	957340	64.685	ng	99
4) n-Nitrosodimethylamine	3.478	42	387978	64.122	ng	99
6) Aniline	6.955	93	1528129	64.708	ng	100
8) 2-Chlorophenol	7.190	128	995913	62.813	ng	99
9) Benzaldehyde	6.766	77	608861	56.921	ng	99
10) Phenol	6.843	94	1231710	64.565	ng	98
11) bis(2-Chloroethyl)ether	7.043	93	926134	61.724	ng	98
12) 1,3-Dichlorobenzene	7.496	146	1063861	60.147	ng	99
13) 1,4-Dichlorobenzene	7.643	146	1074203	60.190	ng	100
14) 1,2-Dichlorobenzene	7.955	146	1045089	59.634	ng	99
15) Benzyl Alcohol	7.861	79	916921	64.561	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.125	45	1167705	59.460	ng	100
17) 2-Methylphenol	8.066	107	848195	63.670	ng	100
18) Hexachloroethane	8.666	117	401855	59.807	ng	96
19) n-Nitroso-di-n-propyla...	8.413	70	779593	61.970	ng	100
20) 3+4-Methylphenols	8.396	107	1154457	63.519	ng	96
22) Acetophenone	8.431	105	1540416	60.563	ng	99
24) Nitrobenzene	8.808	77	1136226	61.735	ng	99
25) Isophorone	9.325	82	2191187	61.027	ng	100
26) 2-Nitrophenol	9.507	139	587760	64.723	ng	99
27) 2,4-Dimethylphenol	9.578	122	965935	62.151	ng	100
28) bis(2-Chloroethoxy)met...	9.802	93	1278529	59.694	ng	98
29) 2,4-Dichlorophenol	10.049	162	945641	63.413	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	995211	59.169	ng	99
31) Naphthalene	10.431	128	3124640	60.566	ng	100
32) Benzoic acid	9.778	122	710052	68.525	ng	100
33) 4-Chloroaniline	10.549	127	1397378	64.650	ng	98
34) Hexachlorobutadiene	10.707	225	598677	59.056	ng	100
35) Caprolactam	11.360	113	349412	63.654	ng	93
36) 4-Chloro-3-methylphenol	11.696	107	1096315	63.738	ng	98
37) 2-Methylnaphthalene	12.043	142	2004422	61.250	ng	99
38) 1-Methylnaphthalene	12.266	142	2093346	59.832	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	1100767	60.637	ng	100
41) Hexachlorocyclopentadiene	12.390	237	707348	63.884	ng	98
43) 2,4,6-Trichlorophenol	12.672	196	776210	63.669	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	836590	64.077	ng	99
46) 1,1'-Biphenyl	13.066	154	2797746	60.176	ng	100
47) 2-Chloronaphthalene	13.107	162	2180558	61.023	ng	99
48) 2-Nitroaniline	13.331	65	718204	65.376	ng	97
49) Acenaphthylene	13.966	152	3653383	61.318	ng	100
50) Dimethylphthalate	13.707	163	2826983	59.902	ng	99
51) 2,6-Dinitrotoluene	13.831	165	639722	62.878	ng	96
52) Acenaphthene	14.313	154	2051309	60.082	ng	99
53) 3-Nitroaniline	14.172	138	698945	66.199	ng	98
54) 2,4-Dinitrophenol	14.390	184	398250	61.497	ng	97
55) Dibenzofuran	14.654	168	3267254	59.618	ng	99
56) 4-Nitrophenol	14.525	139	539162	61.650	ng	97
57) 2,4-Dinitrotoluene	14.637	165	901515	63.345	ng	98
58) Fluorene	15.319	166	2628887	59.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	730647	62.524	ng	99
60) Diethylphthalate	15.090	149	2772340	58.943	ng	98
61) 4-Chlorophenyl-phenyle...	15.307	204	1276716	58.980	ng	100
62) 4-Nitroaniline	15.360	138	639038	66.714	ng	96
63) Azobenzene	15.613	77	2561443	59.380	ng	98
65) 4,6-Dinitro-2-methylph...	15.419	198	524098	65.178	ng	100
66) n-Nitrosodiphenylamine	15.531	169	2282932	60.188	ng	99
67) 4-Bromophenyl-phenylether	16.225	248	839674	60.812	ng	98
68) Hexachlorobenzene	16.342	284	1008320	60.238	ng	97
69) Atrazine	16.519	200	836217	60.814	ng	99
70) Pentachlorophenol	16.701	266	561603	64.826	ng	99
71) Phenanthrene	17.089	178	4046968	59.844	ng	99
72) Anthracene	17.189	178	4160775	60.751	ng	99
73) Carbazole	17.472	167	3861413	60.827	ng	99
74) Di-n-butylphthalate	18.060	149	4672145	59.401	ng	100
75) Fluoranthene	19.178	202	4656349	59.407	ng	99
77) Benzidine	19.383	184	2477600	64.227	ng	100
78) Pyrene	19.560	202	4751590	61.064	ng	100
80) Butylbenzylphthalate	20.513	149	2225855	62.449	ng	96
81) Benzo(a)anthracene	21.460	228	4896757	61.469	ng	100
82) 3,3'-Dichlorobenzidine	21.389	252	1982344	62.681	ng	100
83) Chrysene	21.530	228	4625245	61.276	ng	99
84) Bis(2-ethylhexyl)phtha...	21.395	149	3103331	60.769	ng	99
85) Di-n-octyl phthalate	22.636	149	5491065	61.004	ng	100
87) Indeno(1,2,3-cd)pyrene	28.436	276	6771619	62.088	ng	100
88) Benzo(b)fluoranthene	23.713	252	5290333	61.842	ng	99
89) Benzo(k)fluoranthene	23.777	252	5191049	59.612	ng	99
90) Benzo(a)pyrene	24.595	252	5093340	60.965	ng	99
91) Dibenzo(a,h)anthracene	28.495	278	5489005	61.830	ng	100
92) Benzo(g,h,i)perylene	29.571	276	5442983	61.794	ng	100

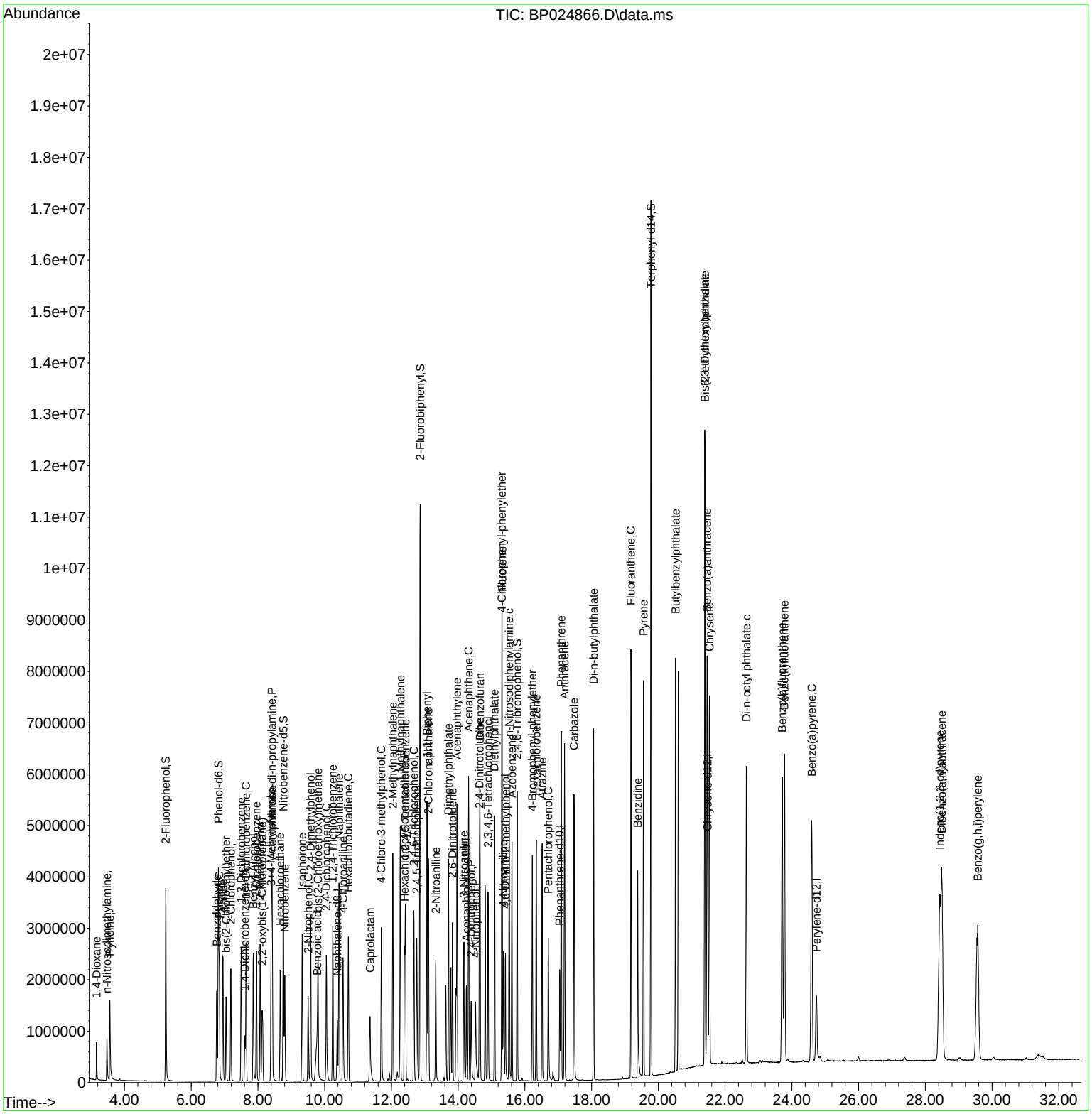
(#) = qualifier out of range (m) = manual integration (+) = signals summed

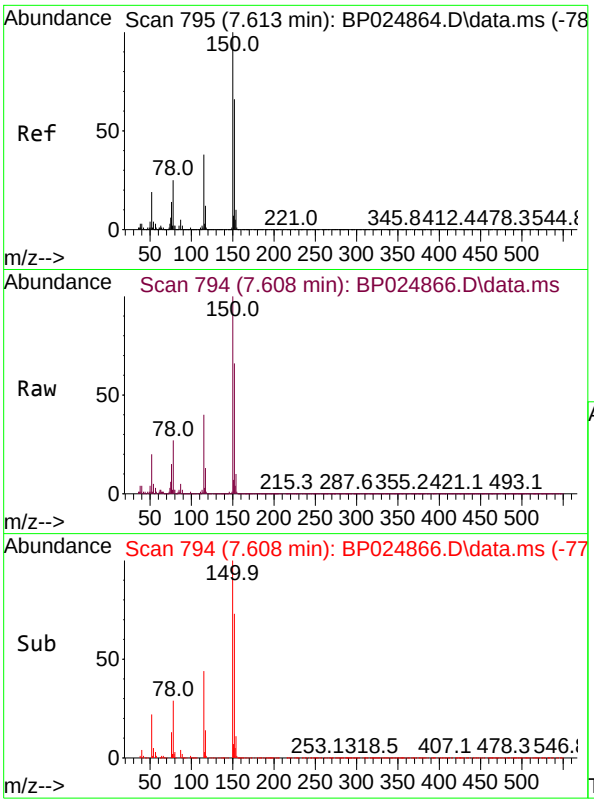
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



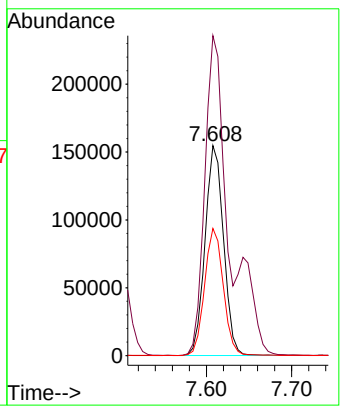


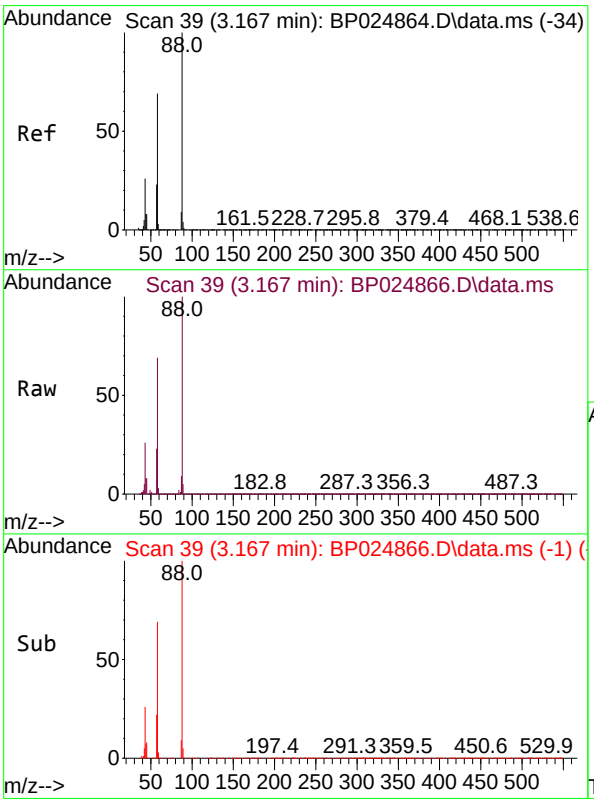
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 233459

Ion	Ratio	Lower	Upper
152	100		
150	152.3	122.1	183.1
115	60.5	46.4	69.6

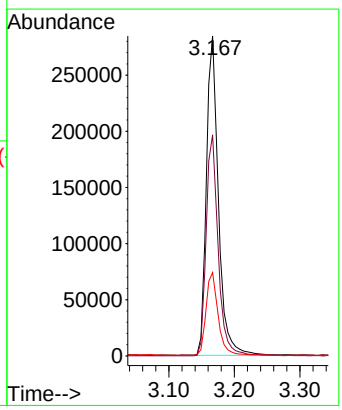


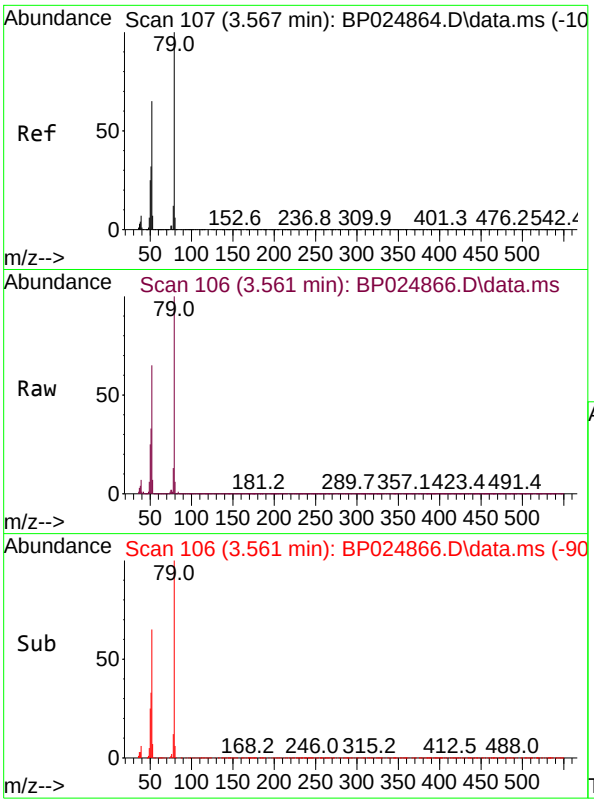


#2
1,4-Dioxane
Concen: 58.637 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 88 Resp: 360857

Ion	Ratio	Lower	Upper
88	100		
58	69.4	55.4	83.0
43	26.4	20.8	31.2



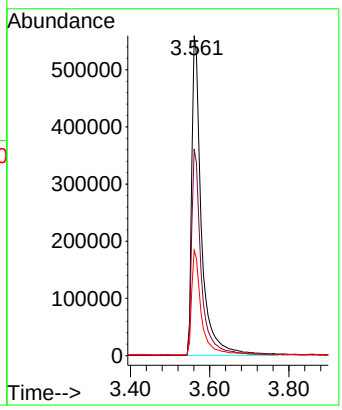


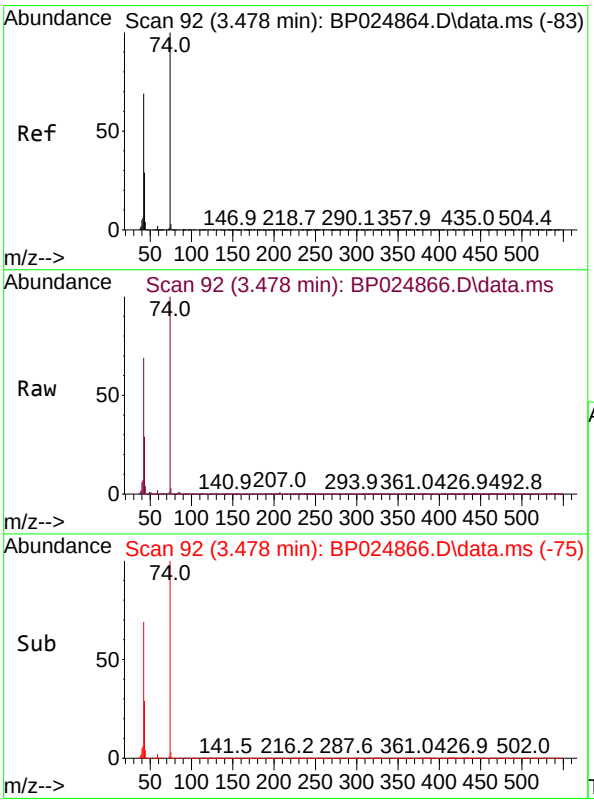
#3
Pyridine
Concen: 64.685 ng
RT: 3.561 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 957340

Ion	Ratio	Lower	Upper
79	100		
52	64.6	51.6	77.4
51	32.9	25.5	38.3

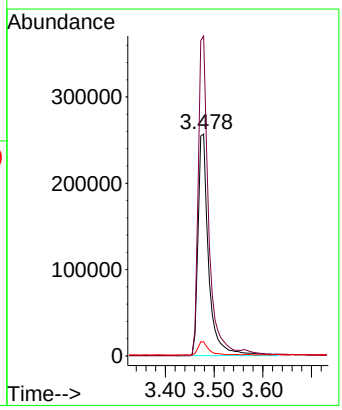


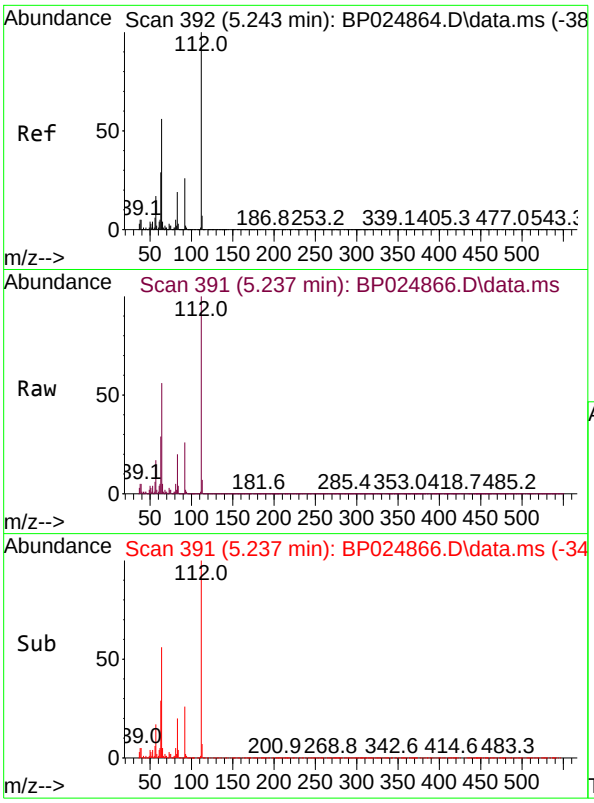


#4
n-Nitrosodimethylamine
Concen: 64.122 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 42 Resp: 387978

Ion	Ratio	Lower	Upper
42	100		
74	144.3	116.6	174.8
44	6.3	5.4	8.0



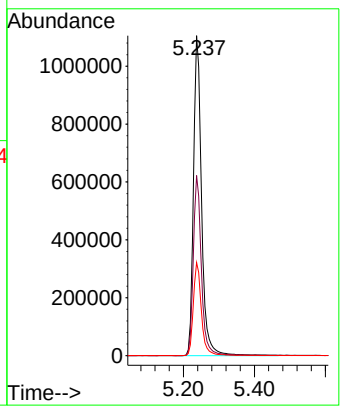


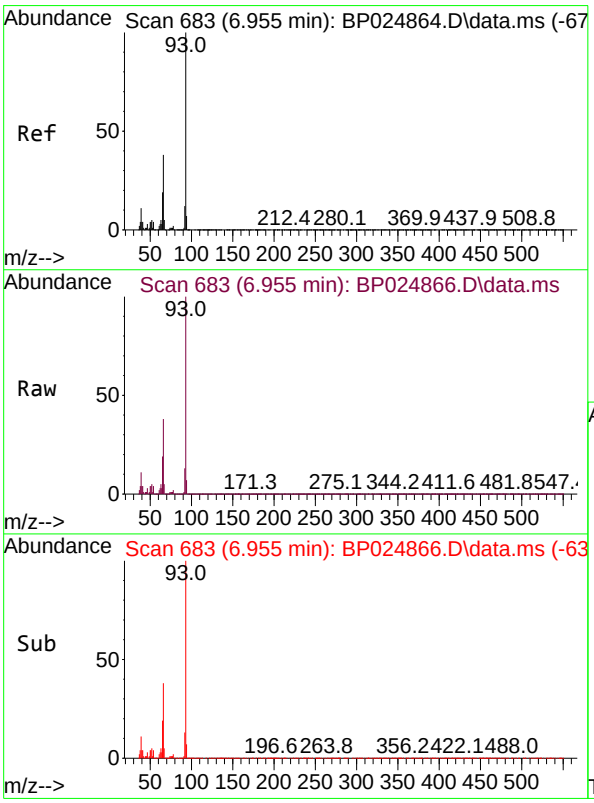
#5
2-Fluorophenol
Concen: 125.447 ng
RT: 5.237 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1754536

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.7	67.1
63	29.1	23.5	35.3

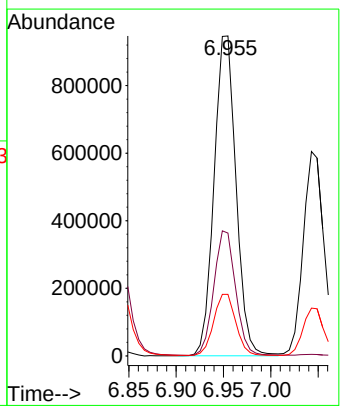


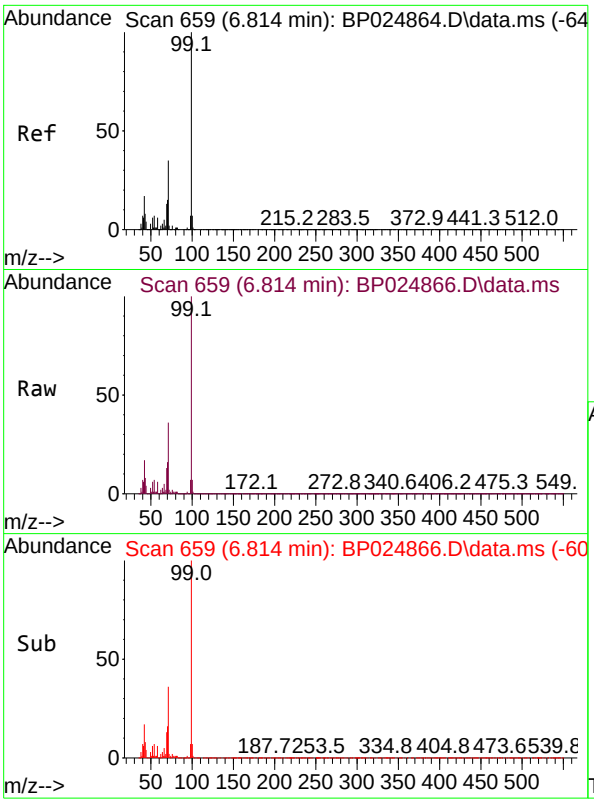


#6
Aniline
Concen: 64.708 ng
RT: 6.955 min Scan# 683
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 93 Resp: 1528129

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.9	46.3
65	19.3	15.5	23.3



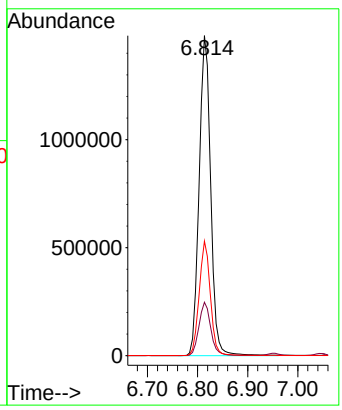


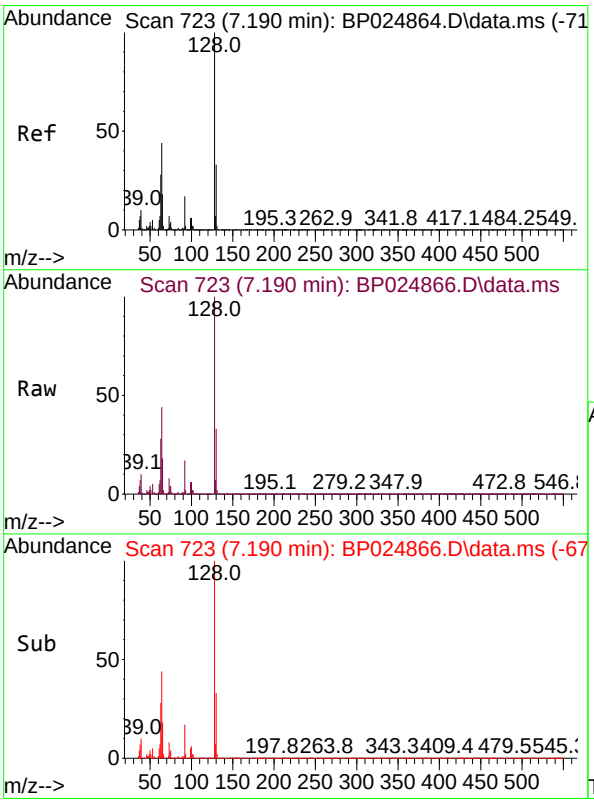
#7
Phenol-d6
Concen: 127.853 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2365958

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.2
71	35.8	27.6	41.4

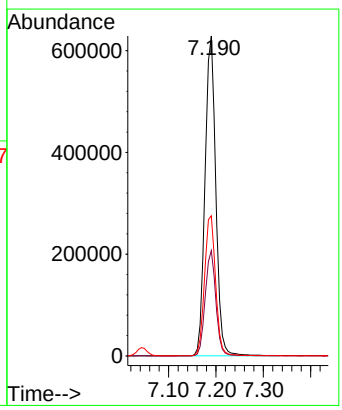


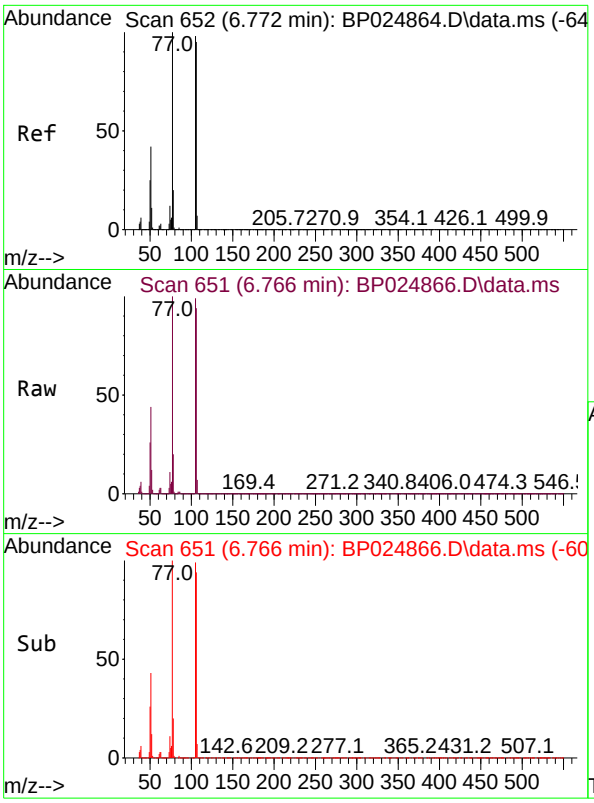


#8
2-Chlorophenol
Concen: 62.813 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:128 Resp: 995913

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.8	24.1	64.1



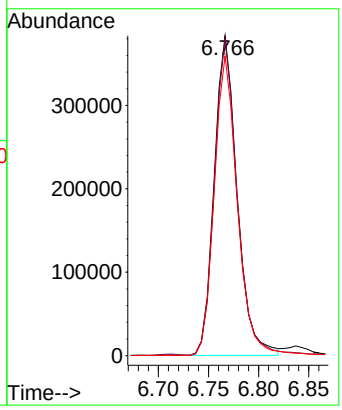


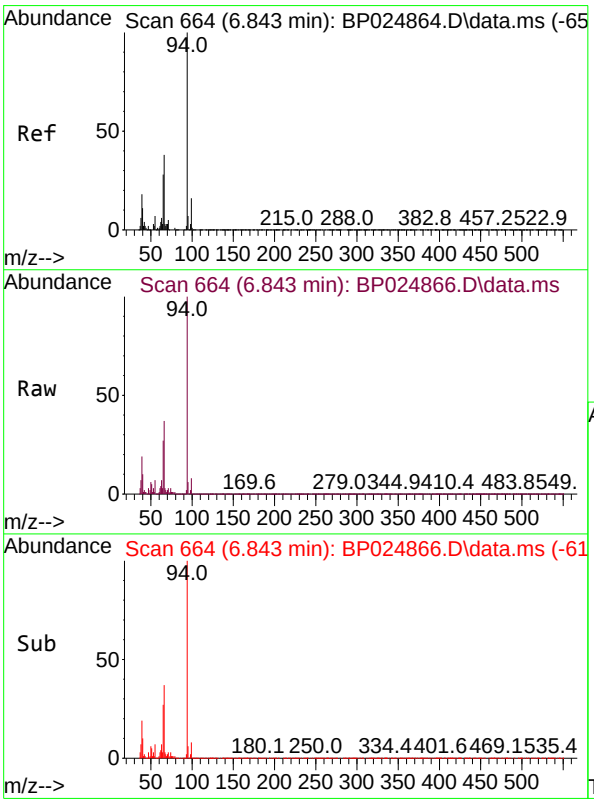
#9
Benzaldehyde
Concen: 56.921 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 608861

Ion	Ratio	Lower	Upper
77	100		
105	99.0	77.7	117.7
106	93.6	74.8	114.8

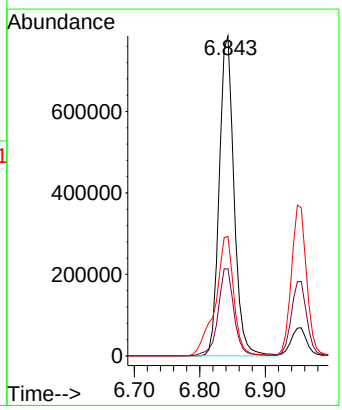


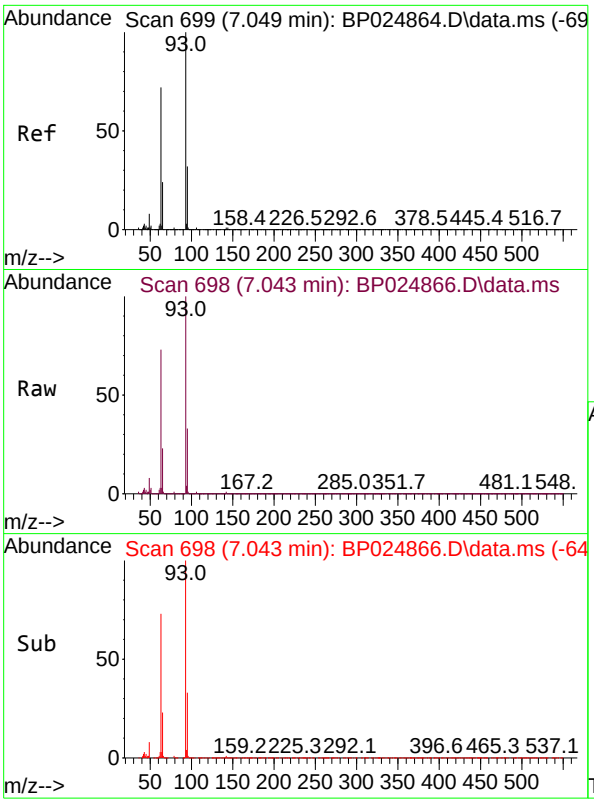


#10
Phenol
Concen: 64.565 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 94 Resp: 1231710

Ion	Ratio	Lower	Upper
94	100		
65	27.3	8.3	48.3
66	37.3	18.2	58.2



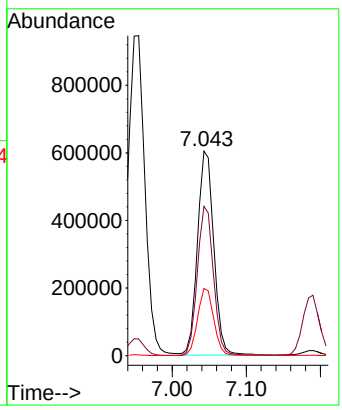


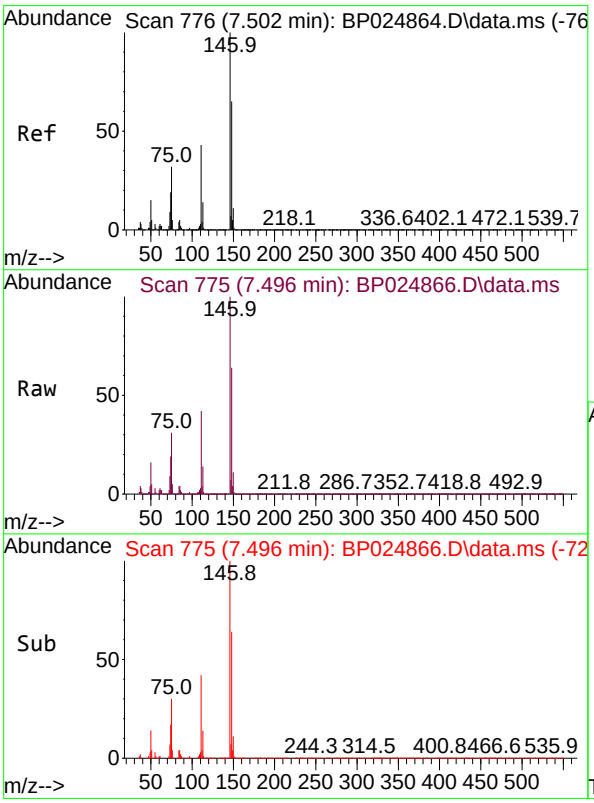
#11
bis(2-Chloroethyl)ether
Concen: 61.724 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 926134

Ion	Ratio	Lower	Upper
93	100		
63	73.0	51.6	91.6
95	32.9	12.1	52.1

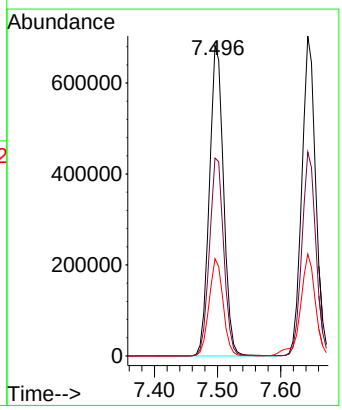


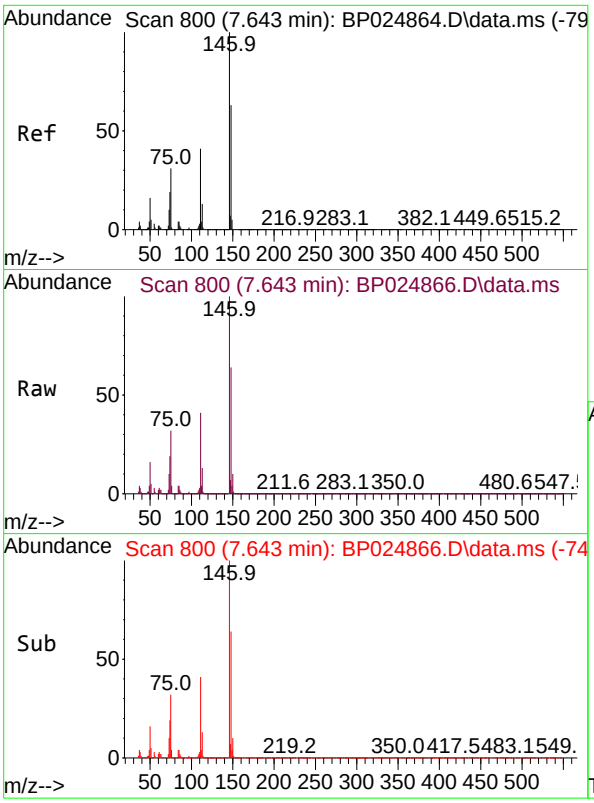


#12
1,3-Dichlorobenzene
Concen: 60.147 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:146 Resp: 1063861

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
75	31.3	25.3	37.9



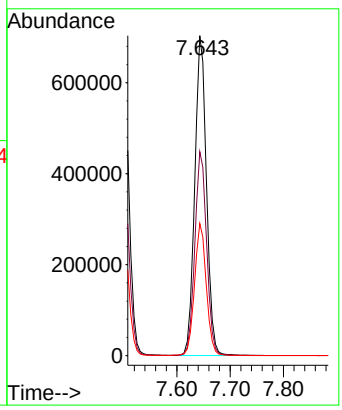


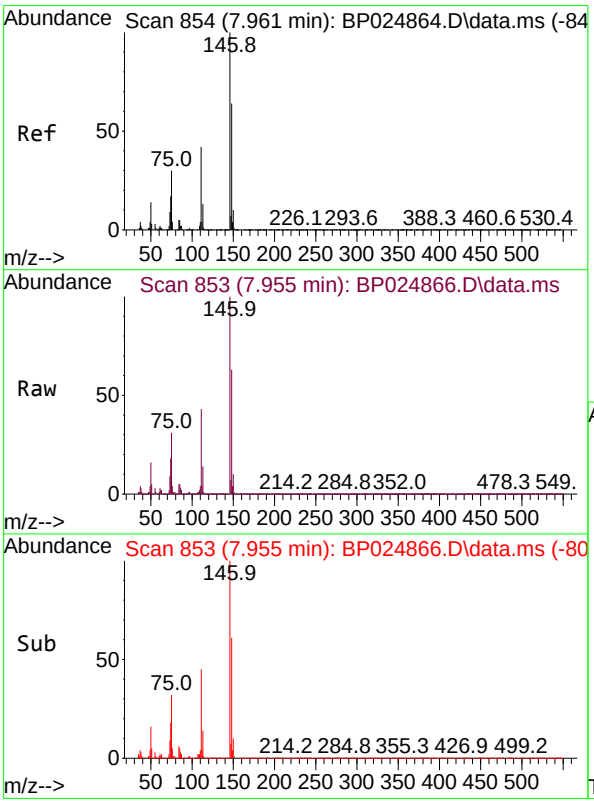
#13
1,4-Dichlorobenzene
Concen: 60.190 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1074203

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	41.3	32.7	49.1

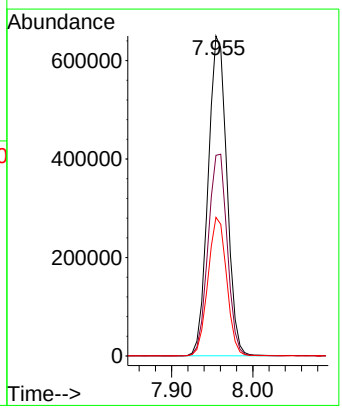


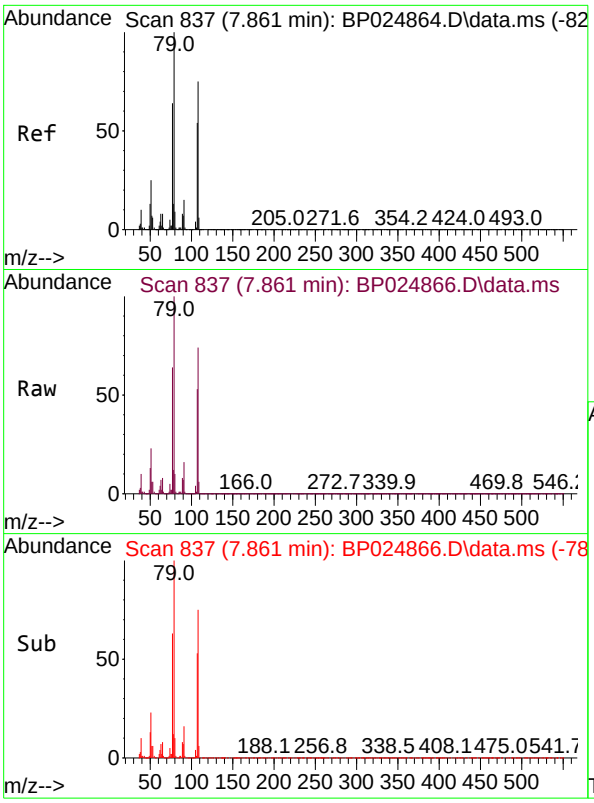


#14
1,2-Dichlorobenzene
Concen: 59.634 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:146 Resp: 1045089

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.0	76.4
111	43.3	33.8	50.8



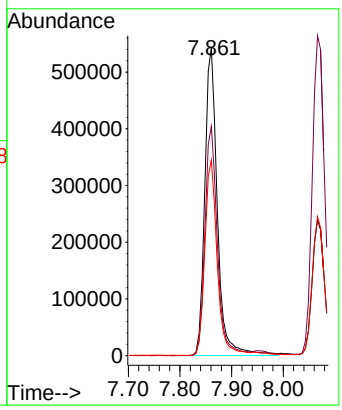


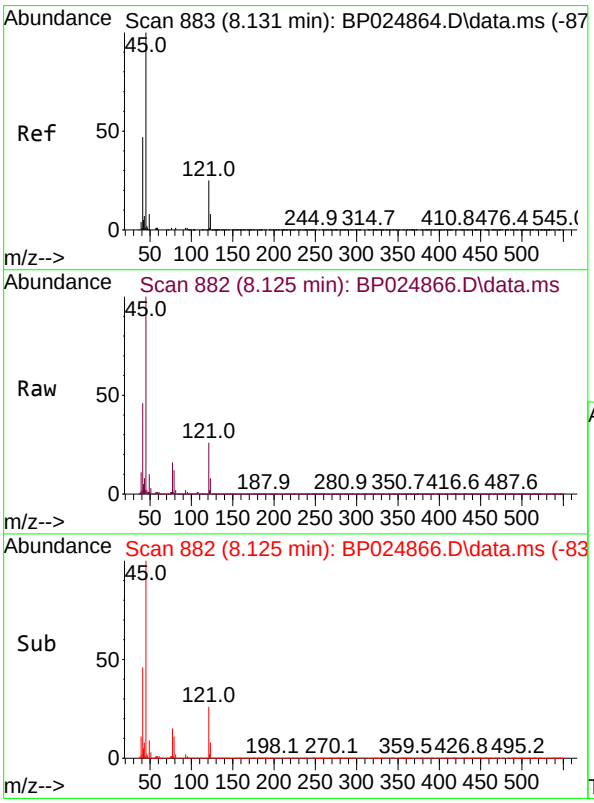
#15
Benzyl Alcohol
Concen: 64.561 ng
RT: 7.861 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 916921

Ion	Ratio	Lower	Upper
79	100		
108	74.5	60.2	90.4
77	63.5	51.2	76.8

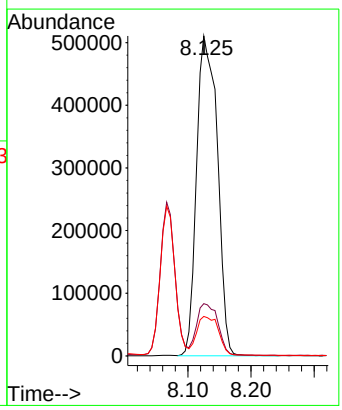


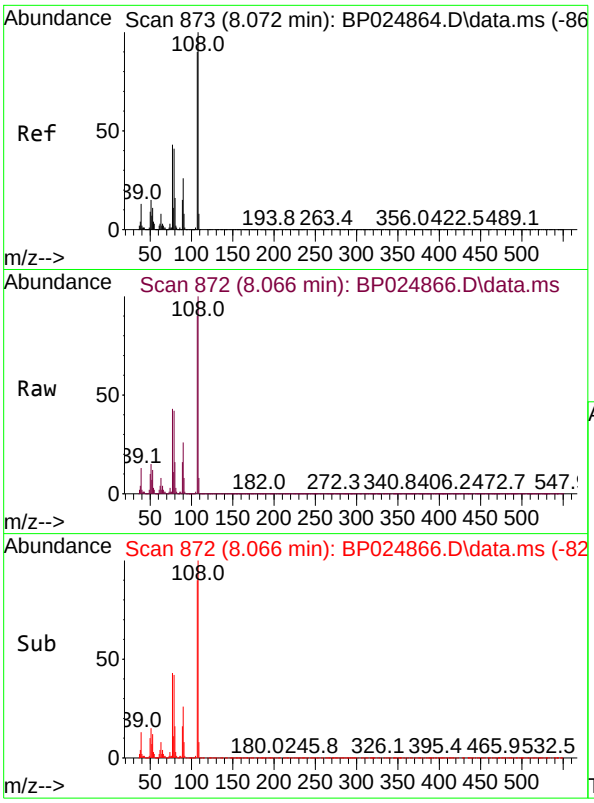


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.460 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 45 Resp: 1167705

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.3	0.0	32.2



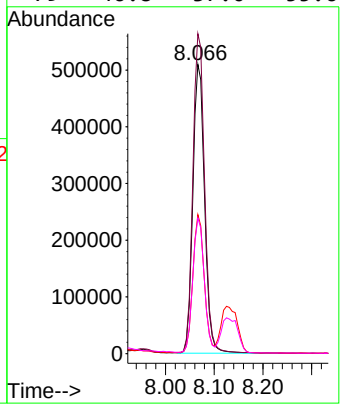


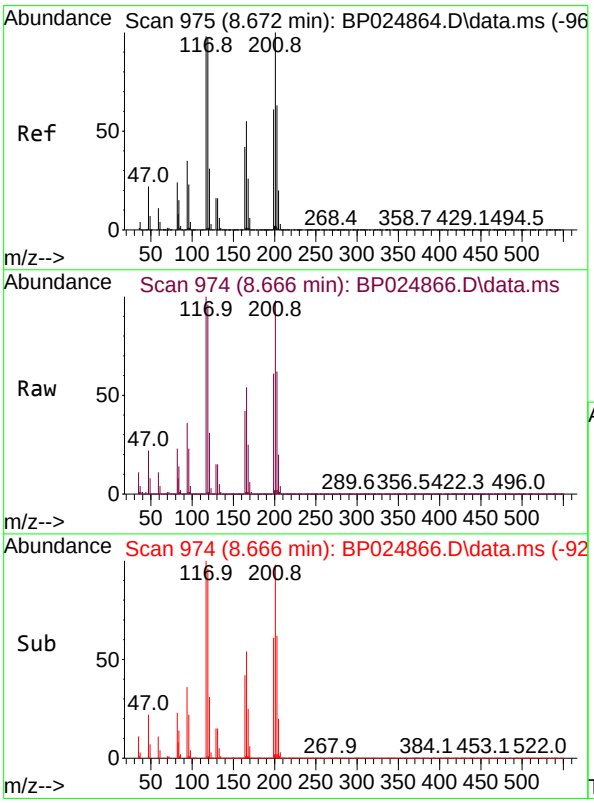
#17
2-Methylphenol
Concen: 63.670 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 848195

Ion	Ratio	Lower	Upper
107	100		
108	110.6	88.6	132.8
77	48.1	38.5	57.7
79	46.8	37.0	55.6

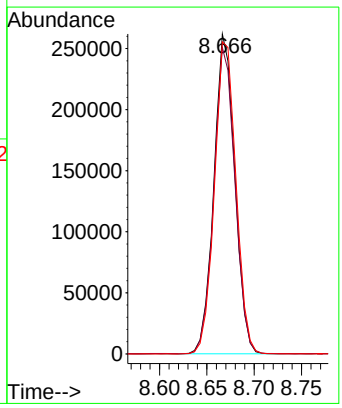


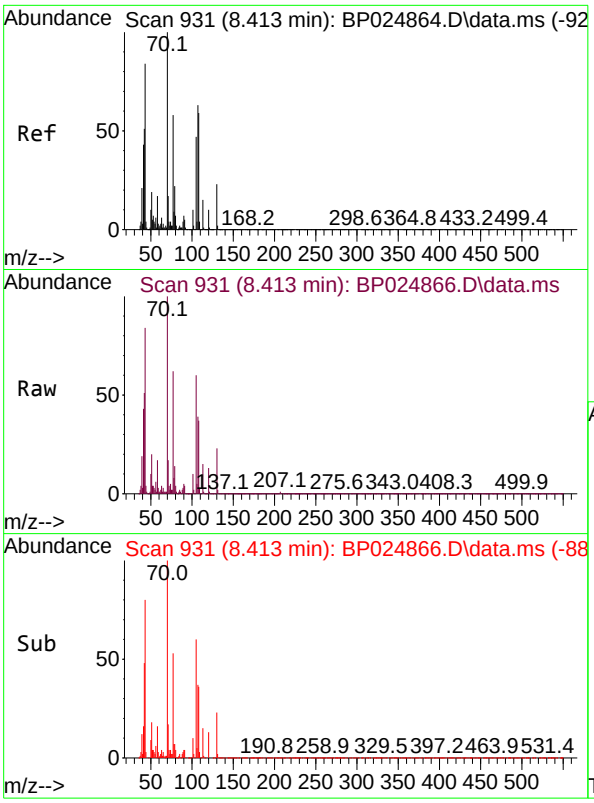


#18
Hexachloroethane
Concen: 59.807 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:117 Resp: 401855

Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.4	119.2
201	97.5	81.4	122.2



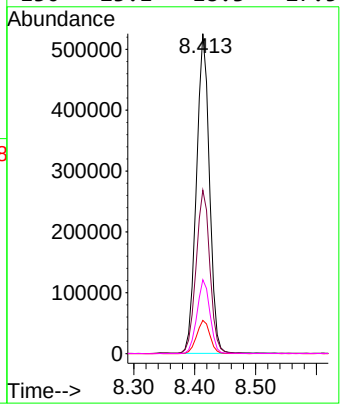


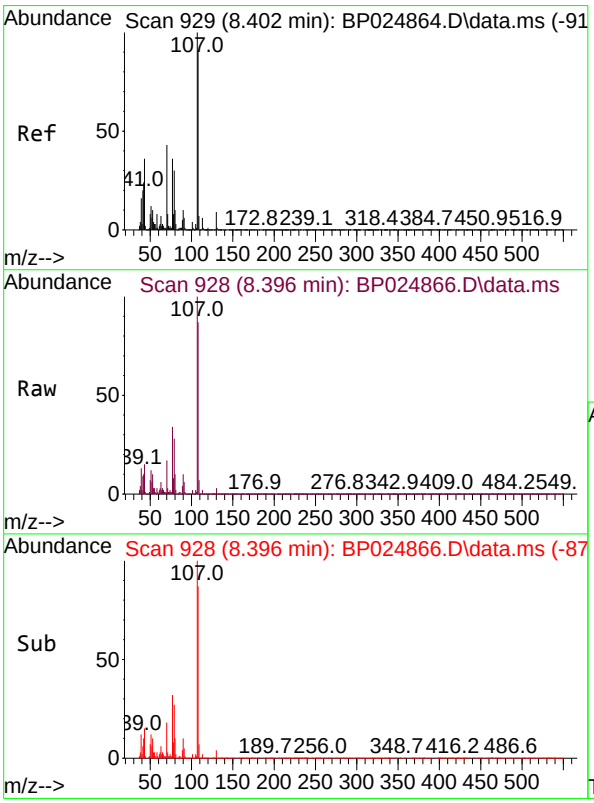
#19
n-Nitroso-di-n-propylamine
Concen: 61.970 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 779593

Ion	Ratio	Lower	Upper
70	100		
42	51.1	41.2	61.8
101	10.4	8.3	12.5
130	23.1	18.3	27.5

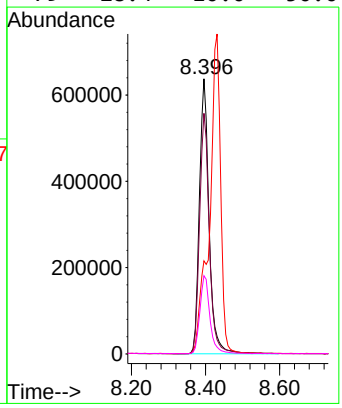


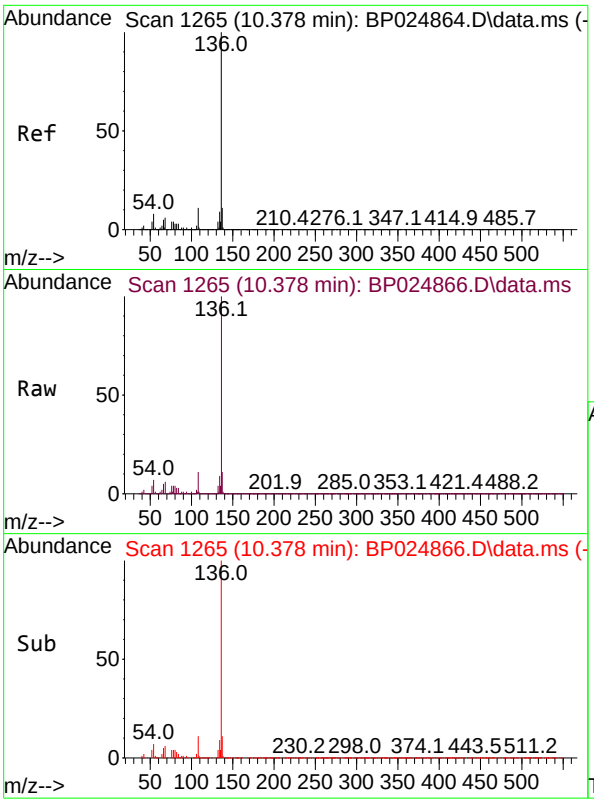


#20
3+4-Methylphenols
Concen: 63.519 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:107 Resp: 1154457

Ion	Ratio	Lower	Upper
107	100		
108	87.5	70.7	110.7
77	33.8	16.6	56.6
79	28.4	10.0	50.0



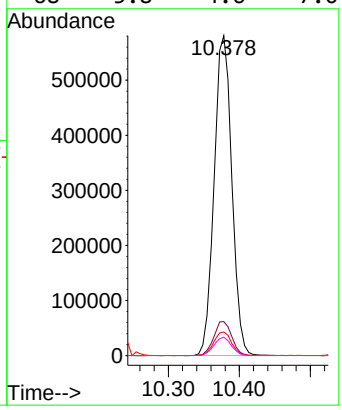


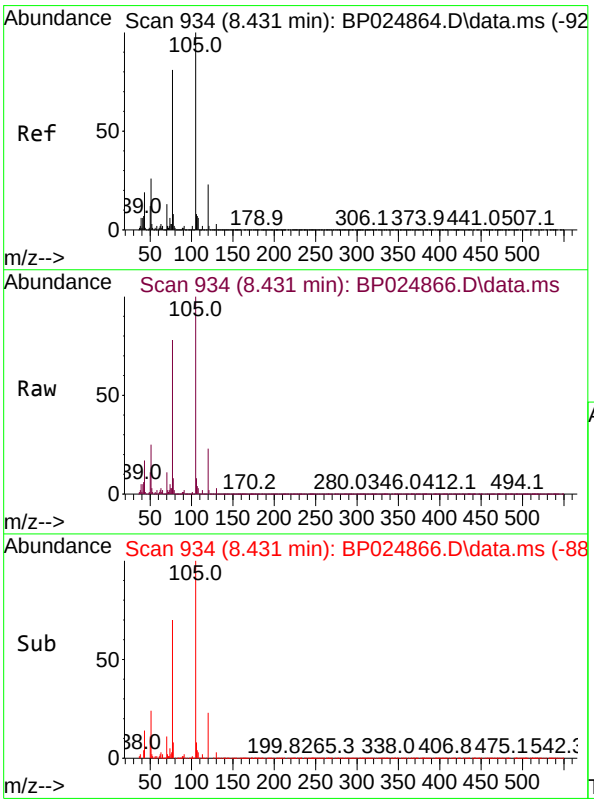
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1006719

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0

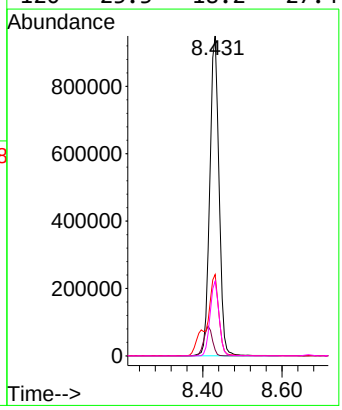


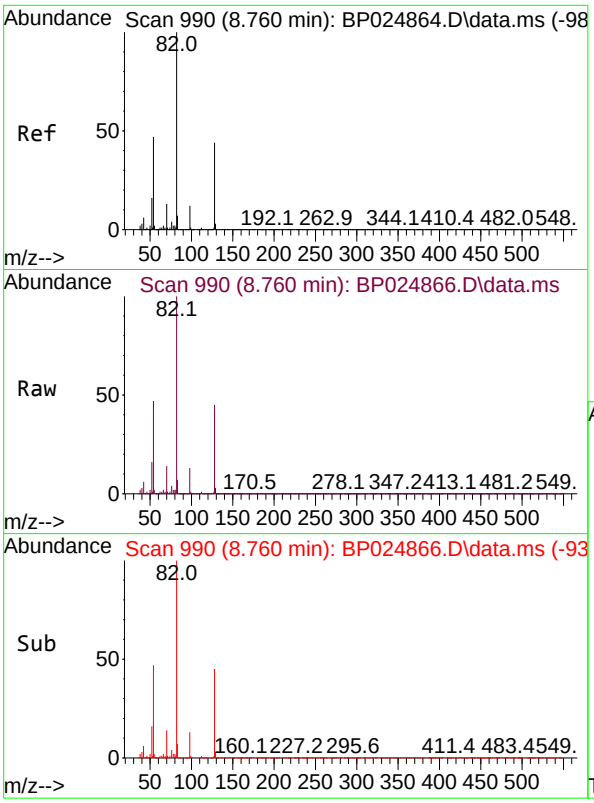


#22
Acetophenone
Concen: 60.563 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:105 Resp: 1540416

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.6	2.4
51	25.4	20.6	31.0
120	23.3	18.2	27.4



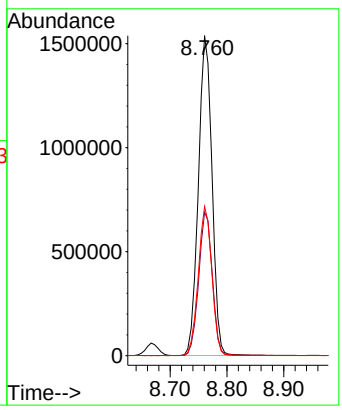


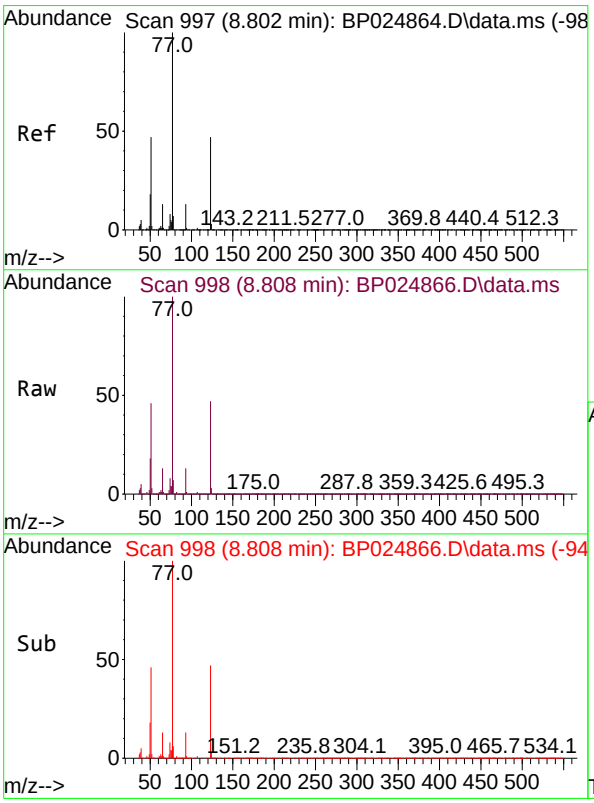
#23
Nitrobenzene-d5
Concen: 123.355 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2555584

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.3	52.9
54	46.6	37.4	56.0

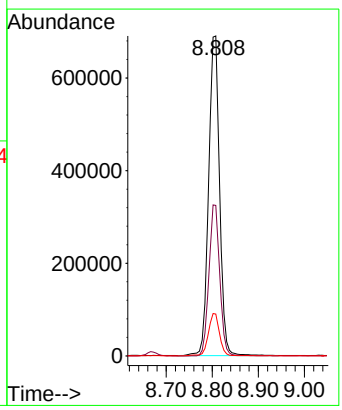


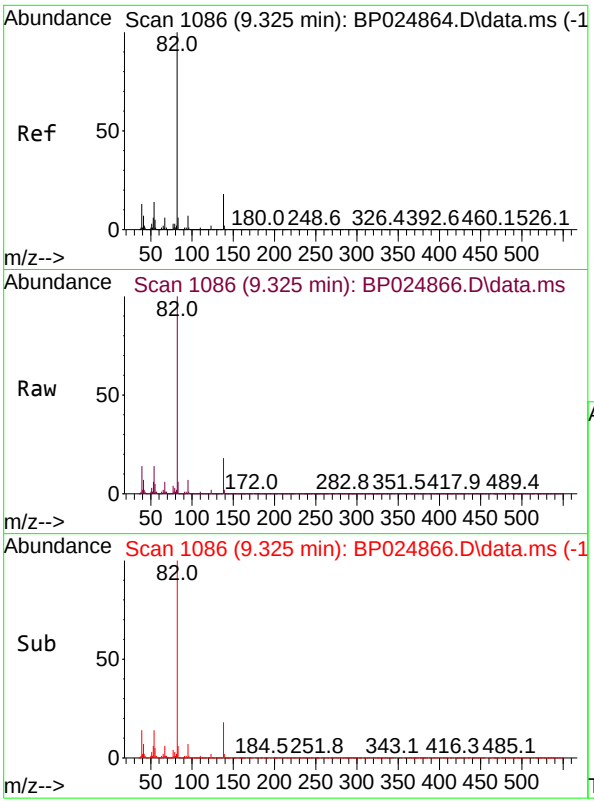


#24
Nitrobenzene
Concen: 61.735 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 77 Resp: 1136226

Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.3	55.9
65	13.1	10.8	16.2



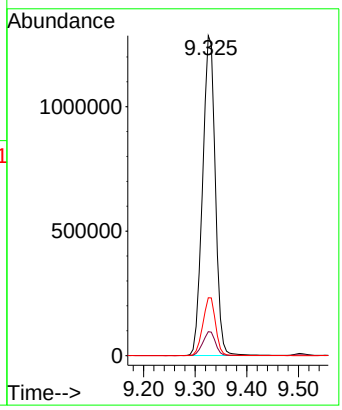


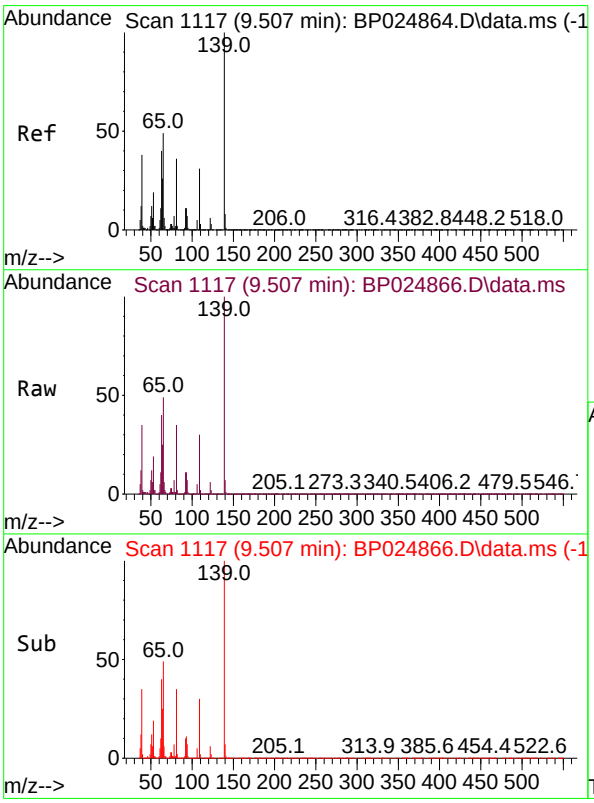
#25
Isophorone
Concen: 61.027 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2191187

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.1	14.6	21.8

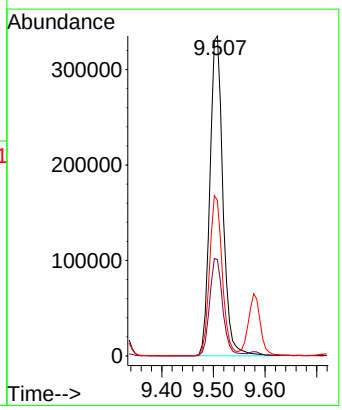


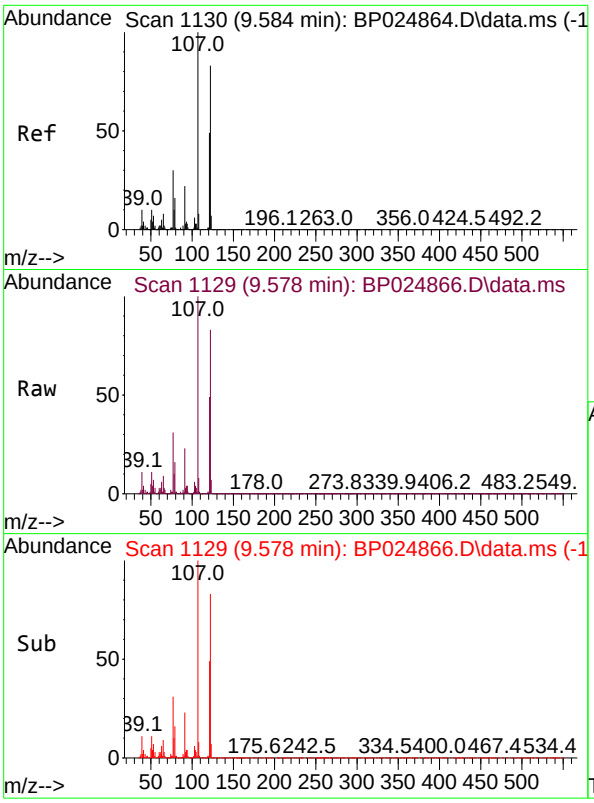


#26
2-Nitrophenol
Concen: 64.723 ng
RT: 9.507 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:139 Resp: 587760

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.6	37.0
65	48.6	39.5	59.3



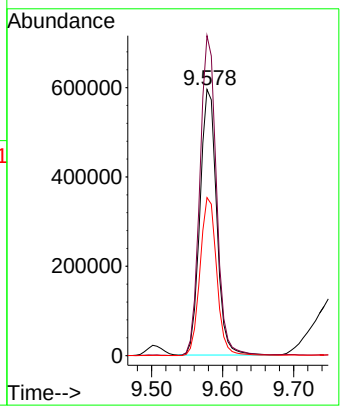


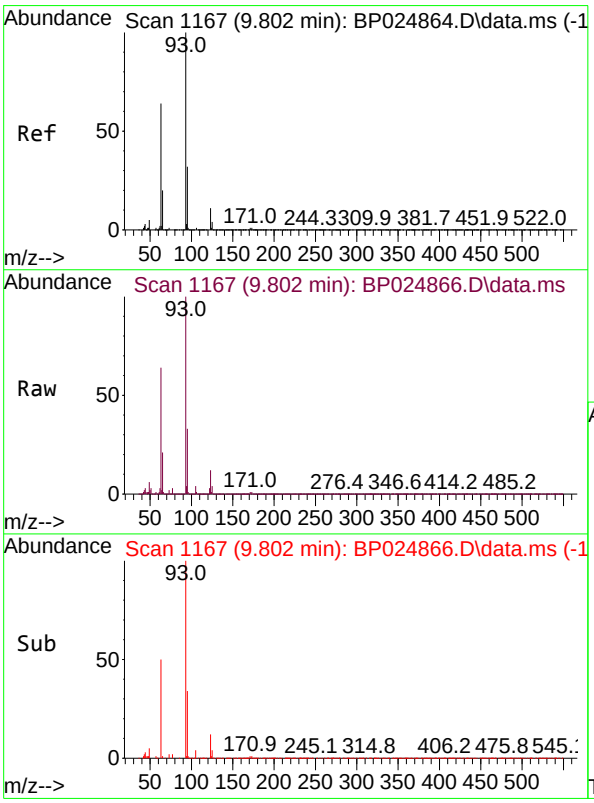
#27
2,4-Dimethylphenol
Concen: 62.151 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 965935

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.4
121	59.4	47.0	70.4

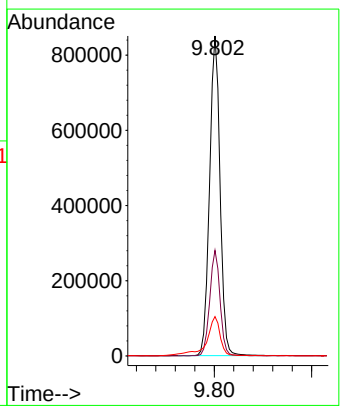


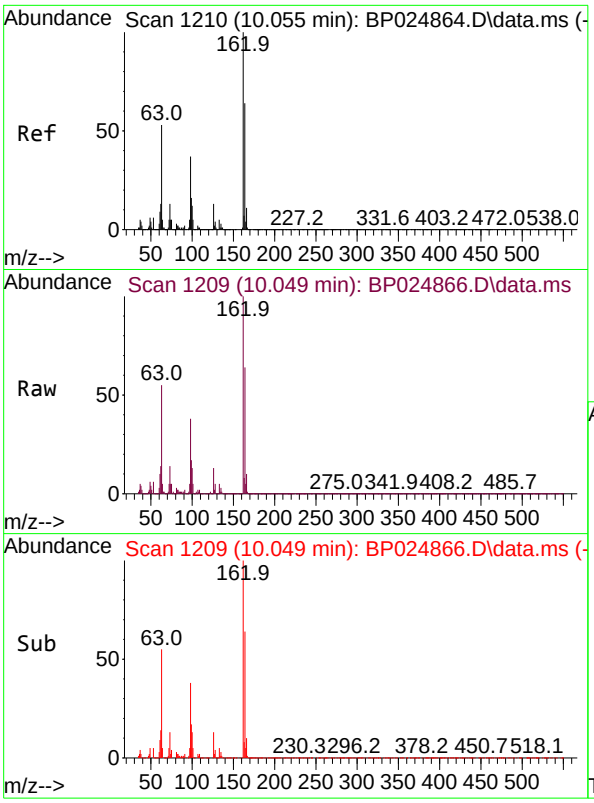


#28
bis(2-Chloroethoxy)methane
Concen: 59.694 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 93 Resp: 1278529

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.5	38.3
123	12.3	9.2	13.8



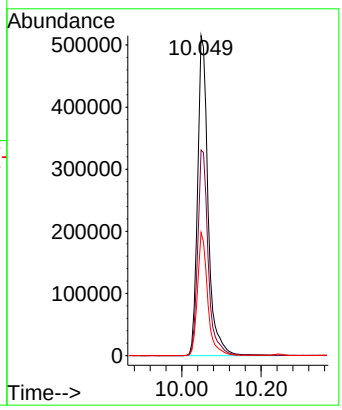


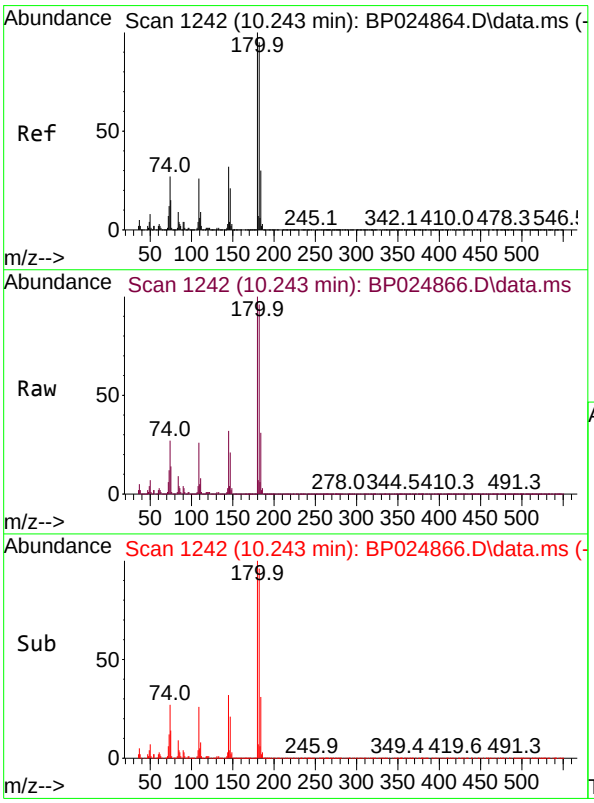
#29
2,4-Dichlorophenol
Concen: 63.413 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 945641

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.0	84.0
98	38.5	16.9	56.9

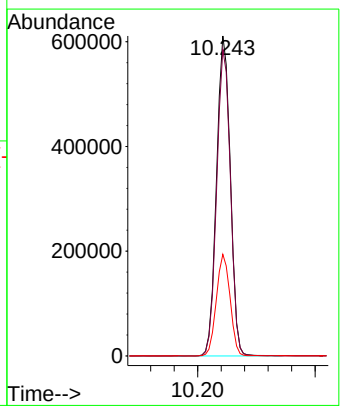


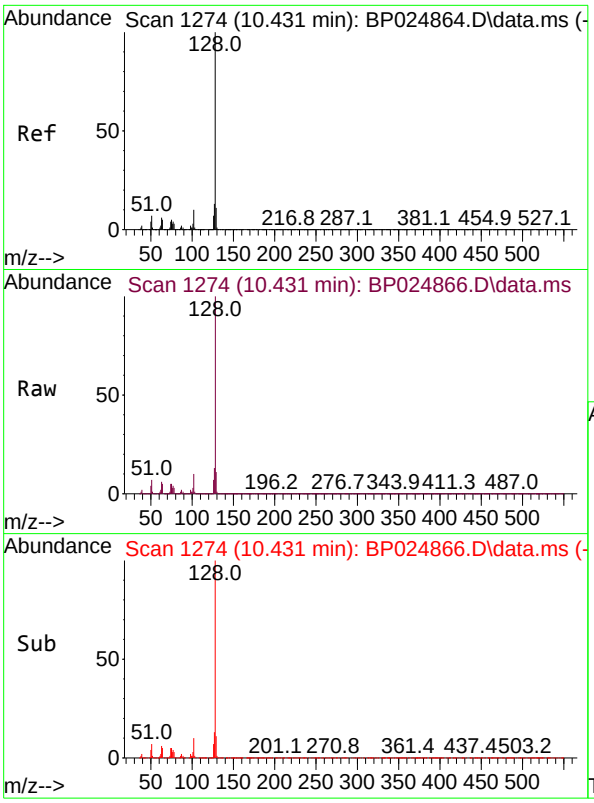


#30
1,2,4-Trichlorobenzene
Concen: 59.169 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:180 Resp: 995211

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
145	31.7	25.7	38.5



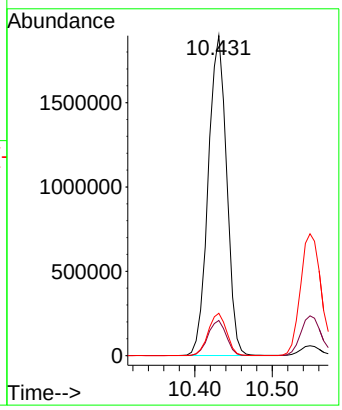


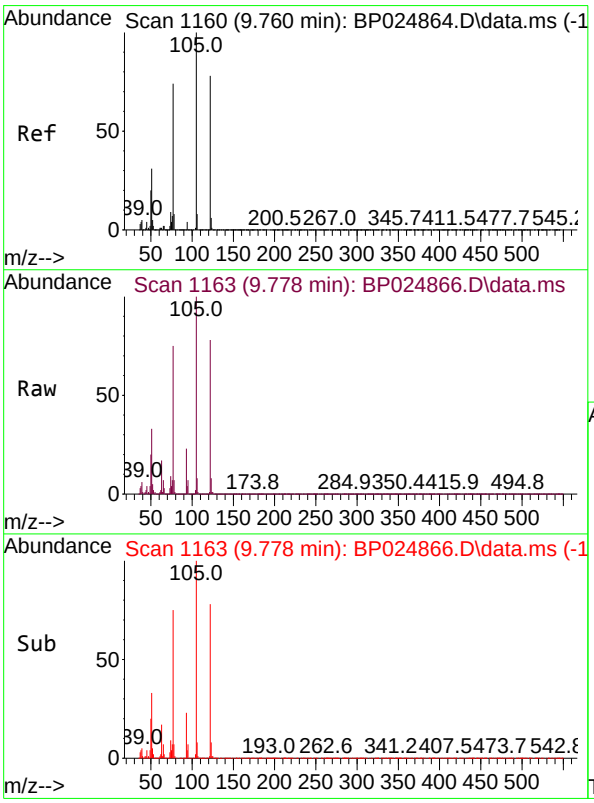
#31
Naphthalene
Concen: 60.566 ng
RT: 10.431 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3124640

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.7	16.1

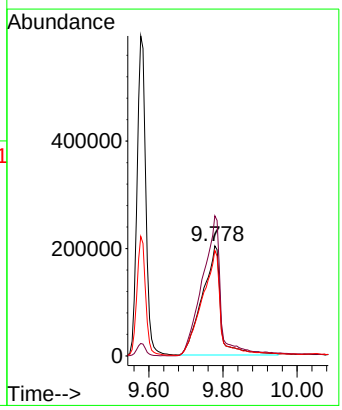


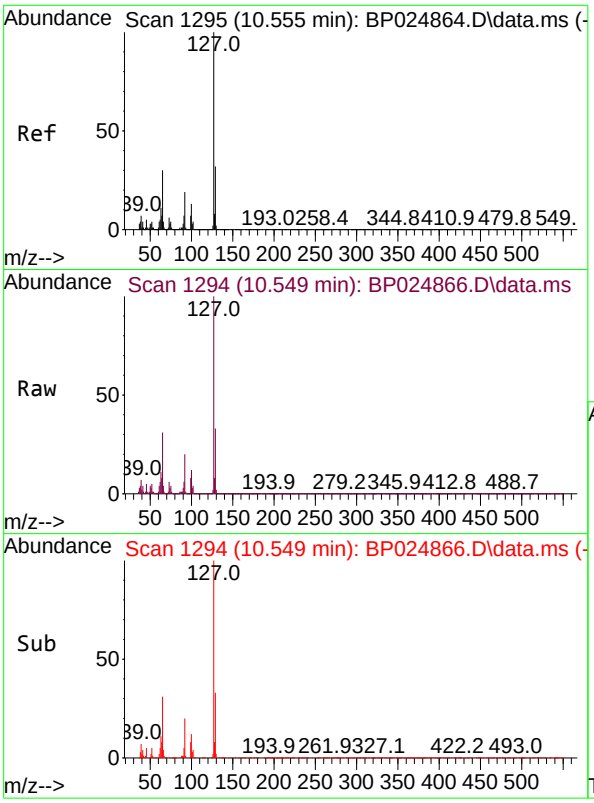


#32
Benzoic acid
Concen: 68.525 ng
RT: 9.778 min Scan# 1163
Delta R.T. 0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:122 Resp: 710052

Ion	Ratio	Lower	Upper
122	100		
105	127.5	107.1	147.1
77	95.8	75.1	115.1



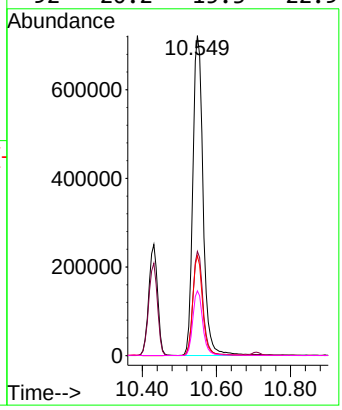


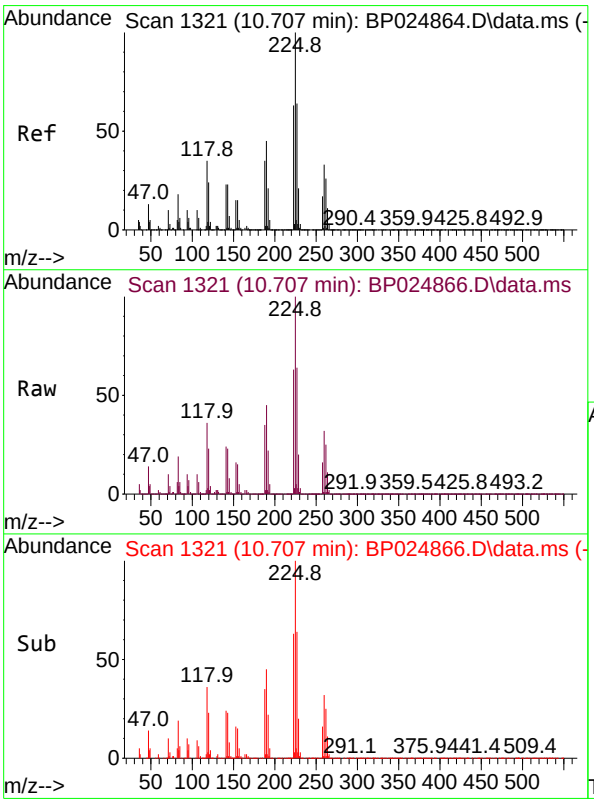
#33
4-Chloroaniline
Concen: 64.650 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1397378

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	31.2	23.9	35.9
92	20.2	15.3	22.9

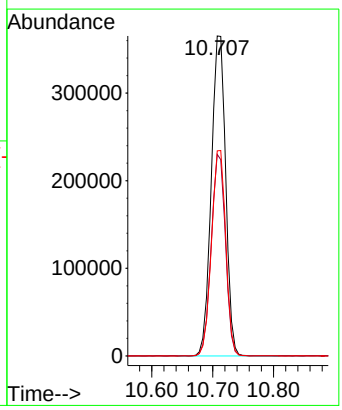


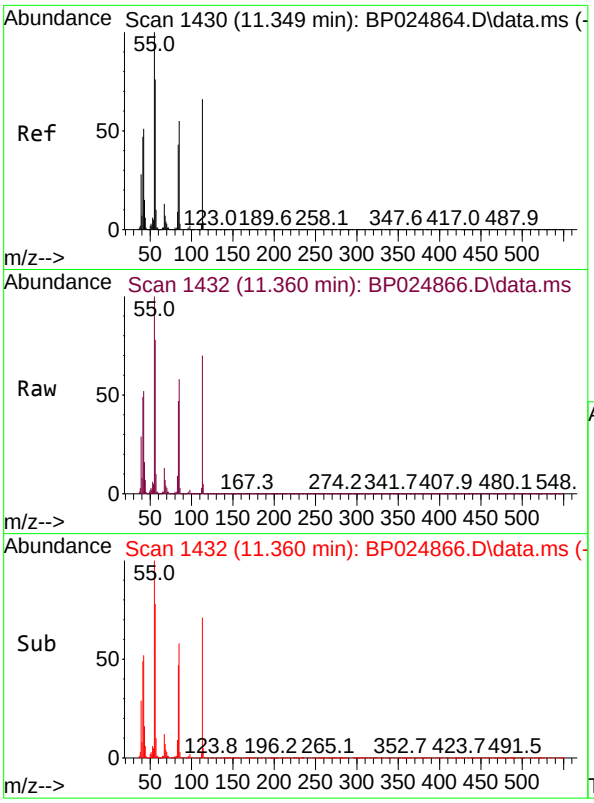


#34
Hexachlorobutadiene
Concen: 59.056 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:225 Resp: 598677

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.5	75.7
227	64.1	51.4	77.2



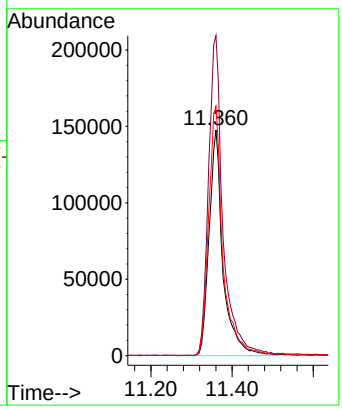


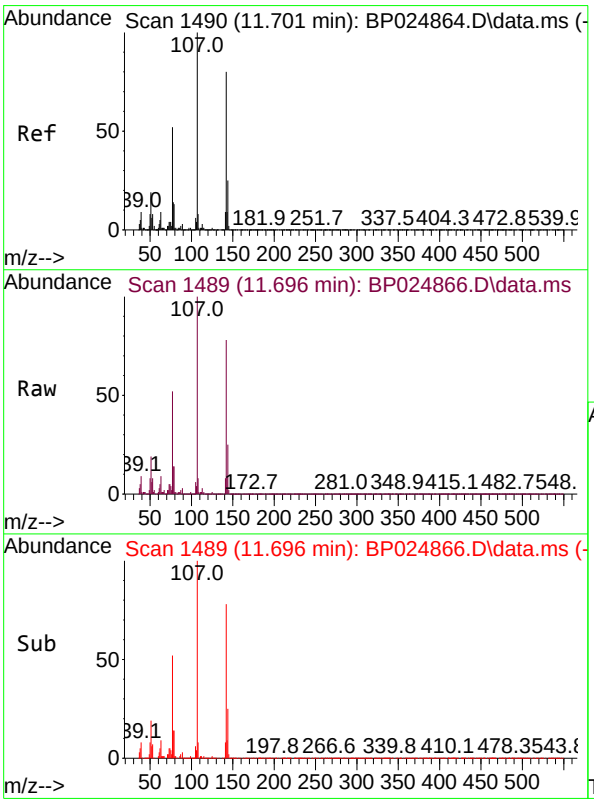
#35
Caprolactam
Concen: 63.654 ng
RT: 11.360 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 349412

Ion	Ratio	Lower	Upper
113	100		
55	141.9	132.5	172.5
56	110.6	96.0	136.0

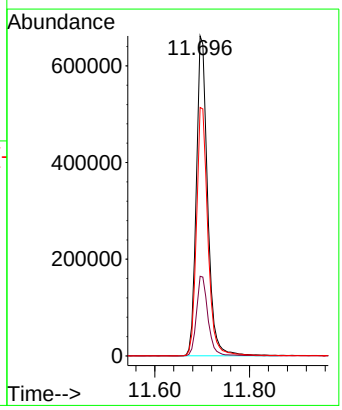


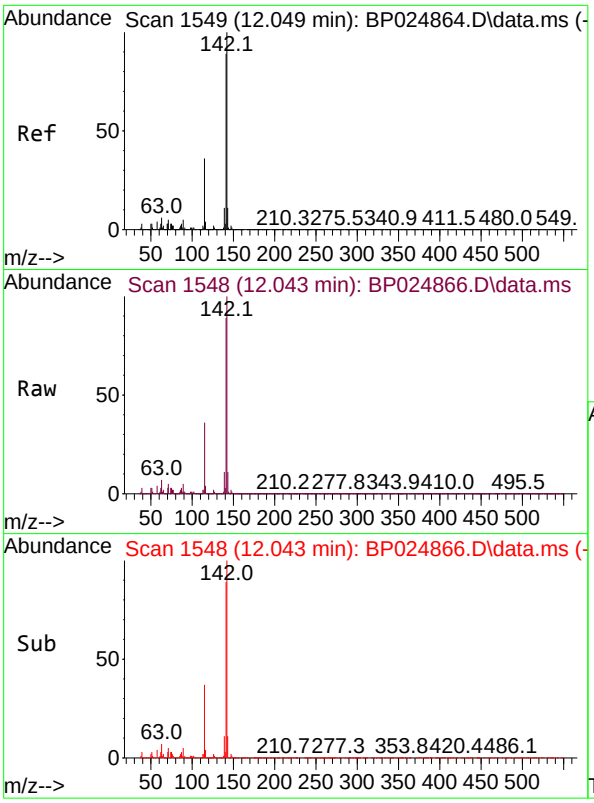


#36
4-Chloro-3-methylphenol
Concen: 63.738 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:107 Resp: 1096315

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	77.6	63.8	95.6



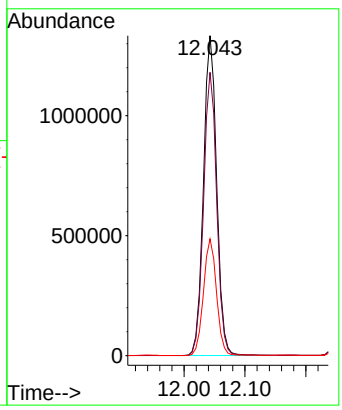


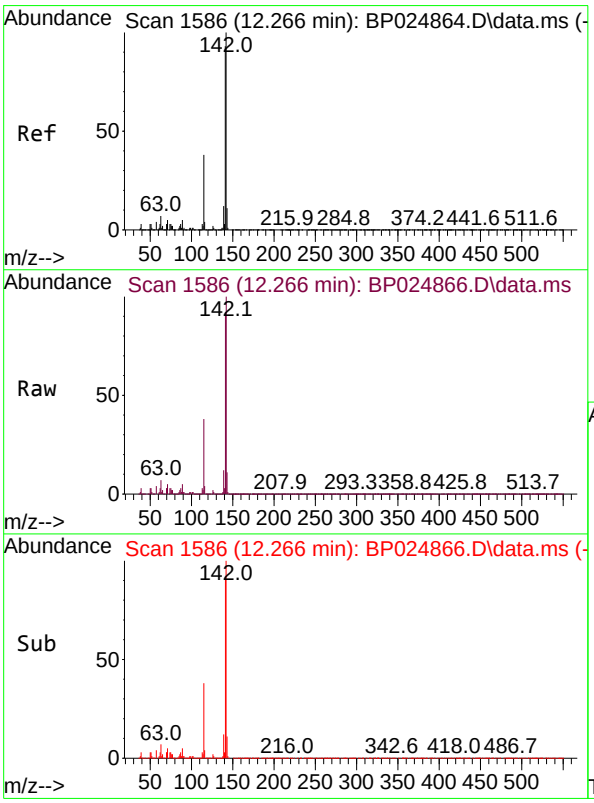
#37
2-Methylnaphthalene
Concen: 61.250 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2004422

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8
115	36.5	28.5	42.7

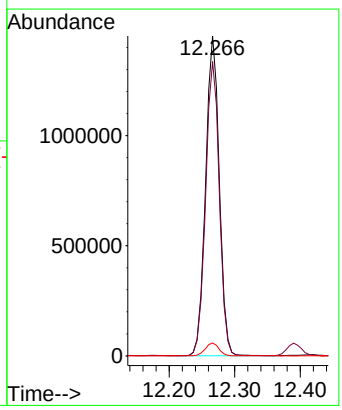


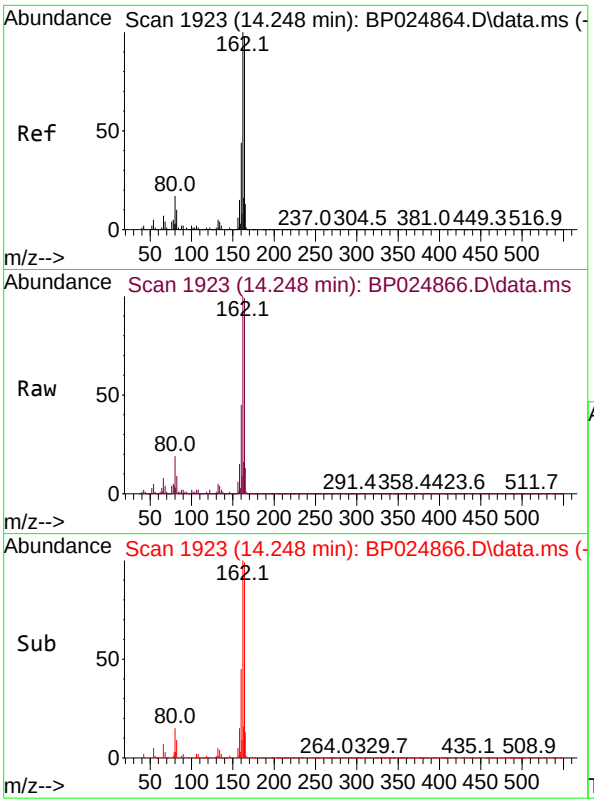


#38
1-Methylnaphthalene
Concen: 59.832 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:142 Resp: 2093346

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.7	112.1
116	4.0	3.4	5.0



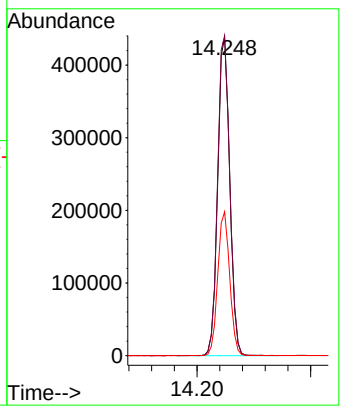


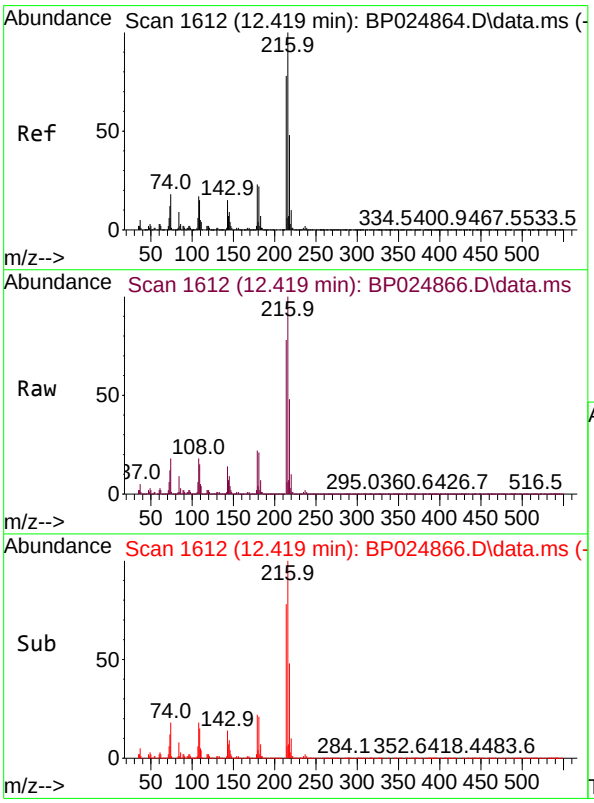
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 639758

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	45.2	36.2	54.2

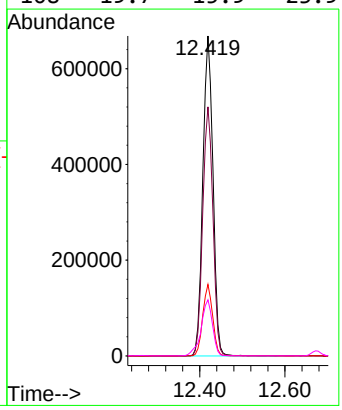


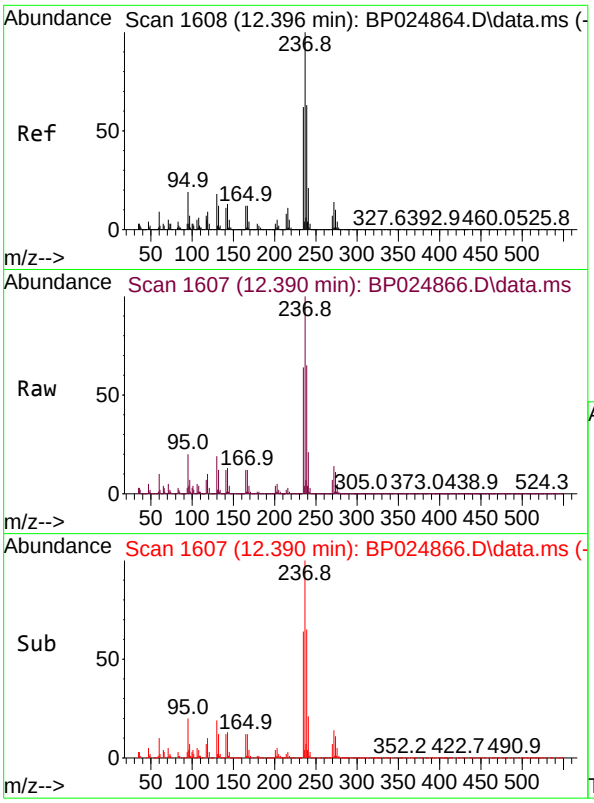


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.637 ng
RT: 12.419 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:216 Resp: 1100767

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.4
179	21.8	17.8	26.6
108	19.7	15.9	23.9



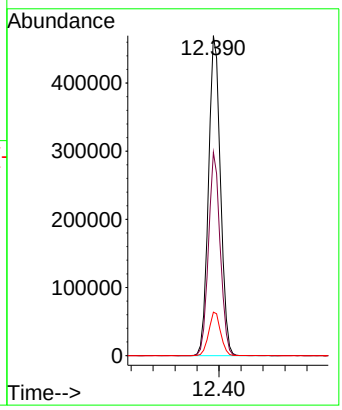


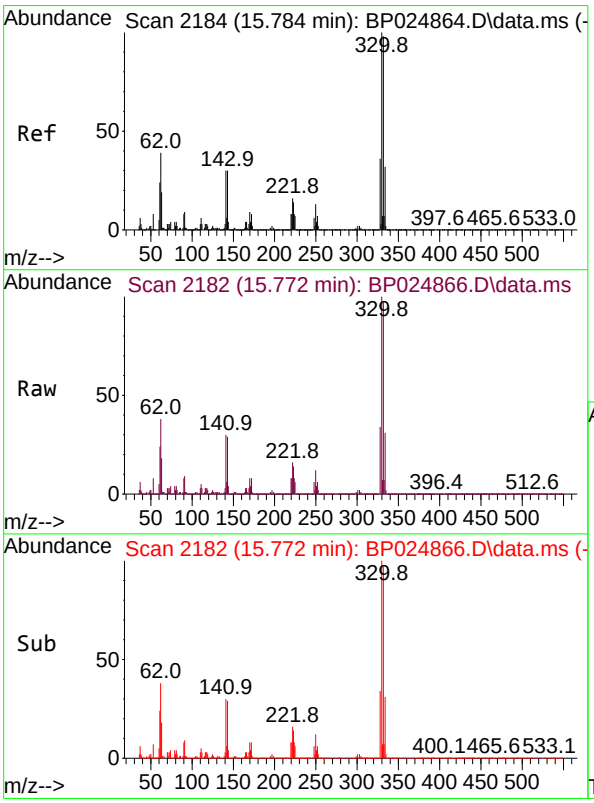
#41
Hexachlorocyclopentadiene
Concen: 63.884 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 707348

Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.9	81.9
272	13.6	0.0	33.7

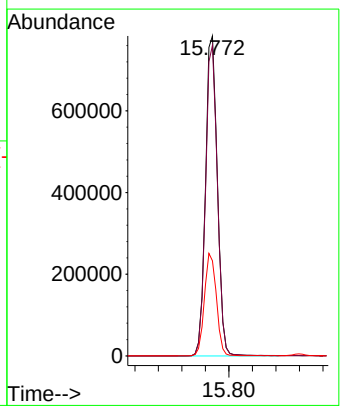


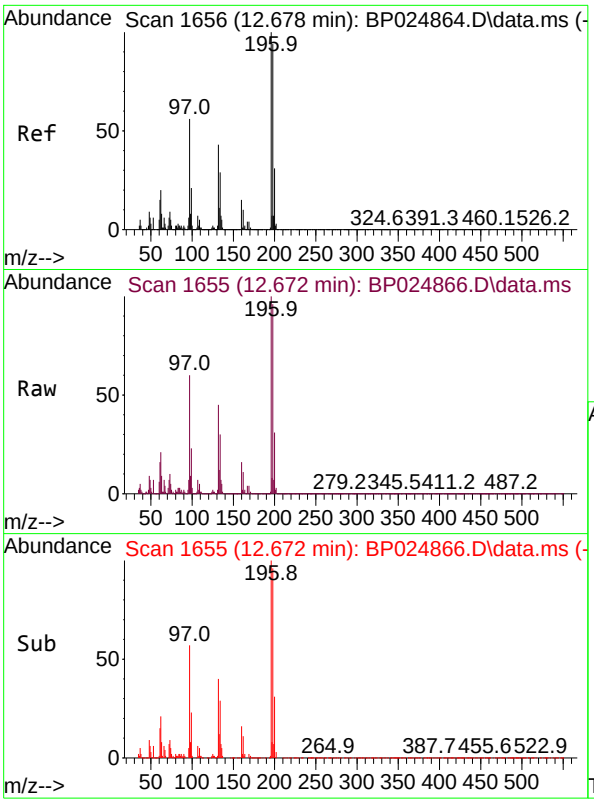


#42
2,4,6-Tribromophenol
Concen: 124.076 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:330 Resp: 1097449

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	32.4	26.4	39.6



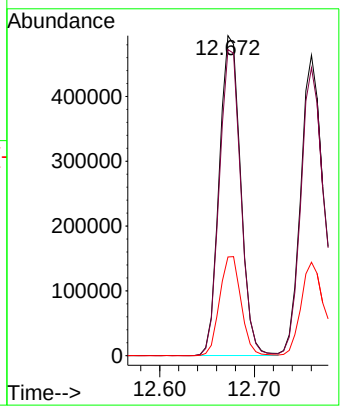


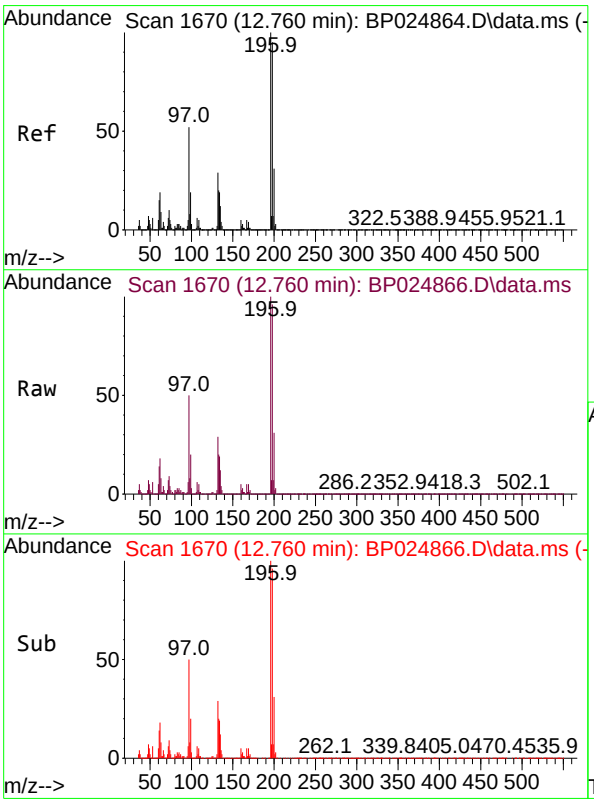
#43
2,4,6-Trichlorophenol
Concen: 63.669 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 776210

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.4	113.0
200	30.8	24.4	36.6

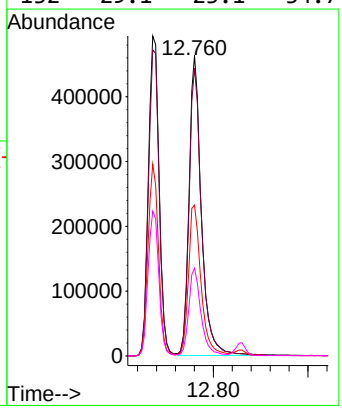


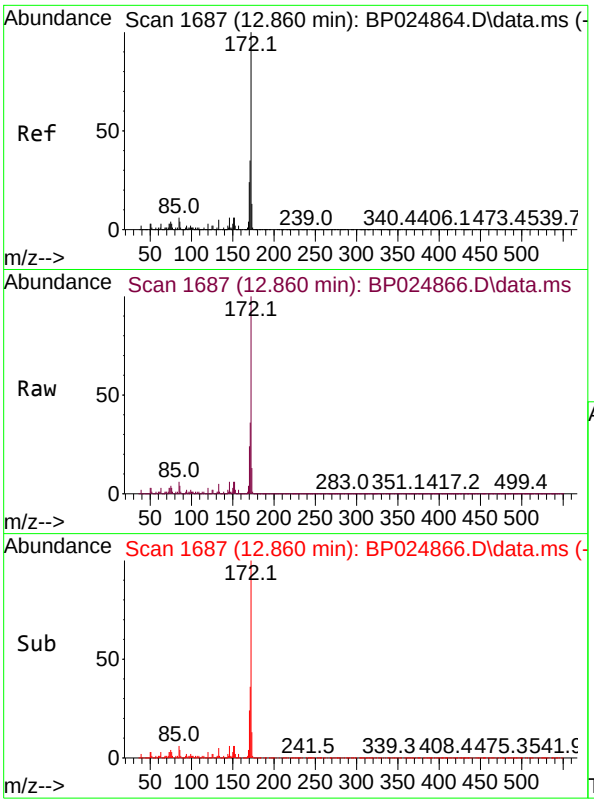


#44
2,4,5-Trichlorophenol
Concen: 64.077 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:196 Resp: 836590

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.0	114.0
97	50.2	41.5	62.3
132	29.1	23.1	34.7



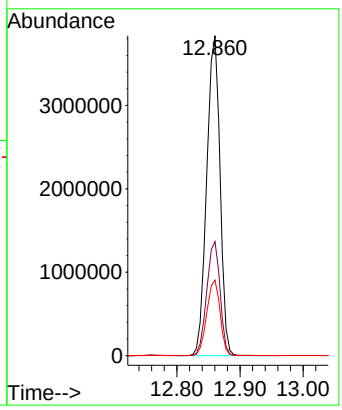


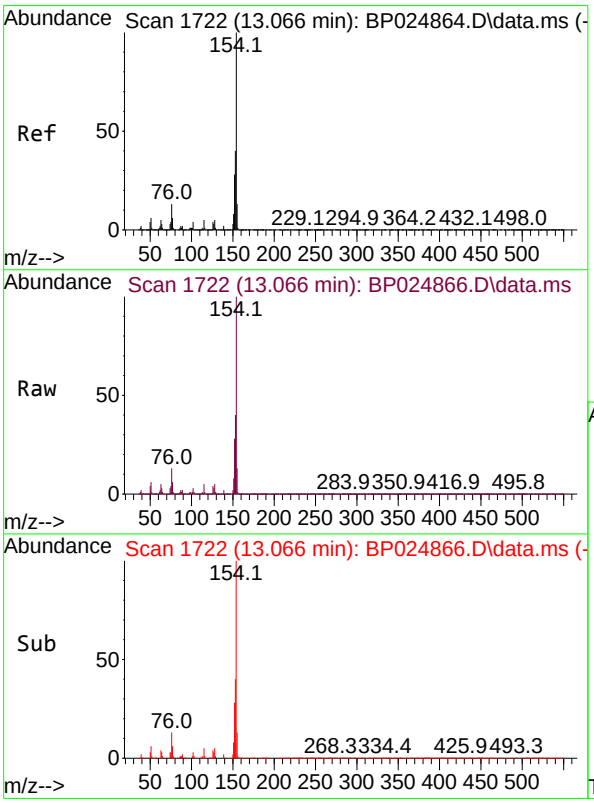
#45
2-Fluorobiphenyl
Concen: 118.347 ng
RT: 12.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5620380

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.6	19.0	28.4

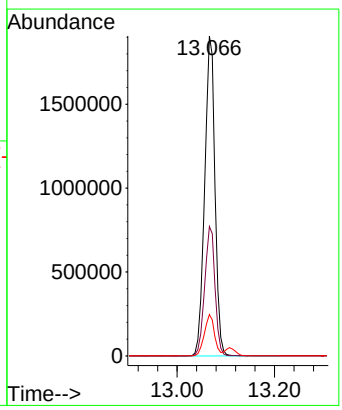


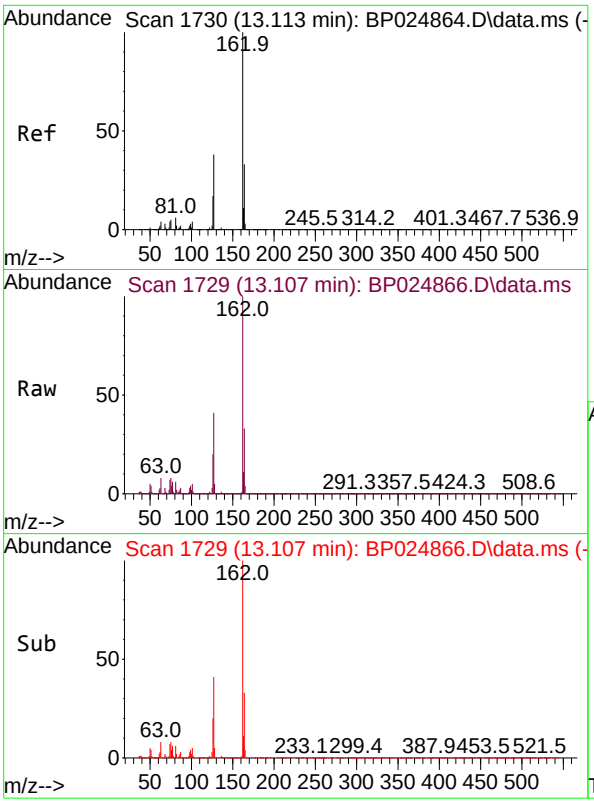


#46
1,1'-Biphenyl
Concen: 60.176 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:154 Resp: 2797746

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	12.9	0.0	33.0



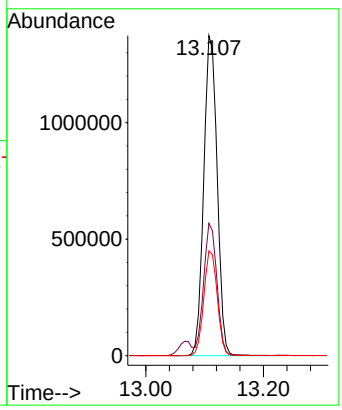


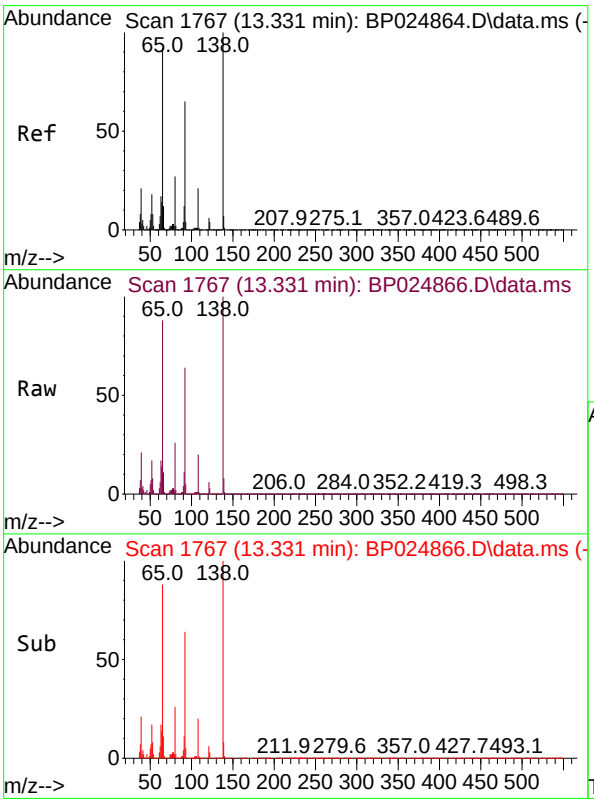
#47
2-Chloronaphthalene
Concen: 61.023 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2180558

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.7	26.2	39.2

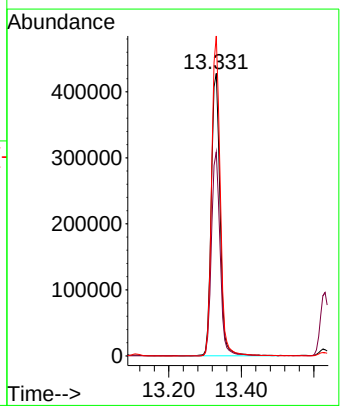


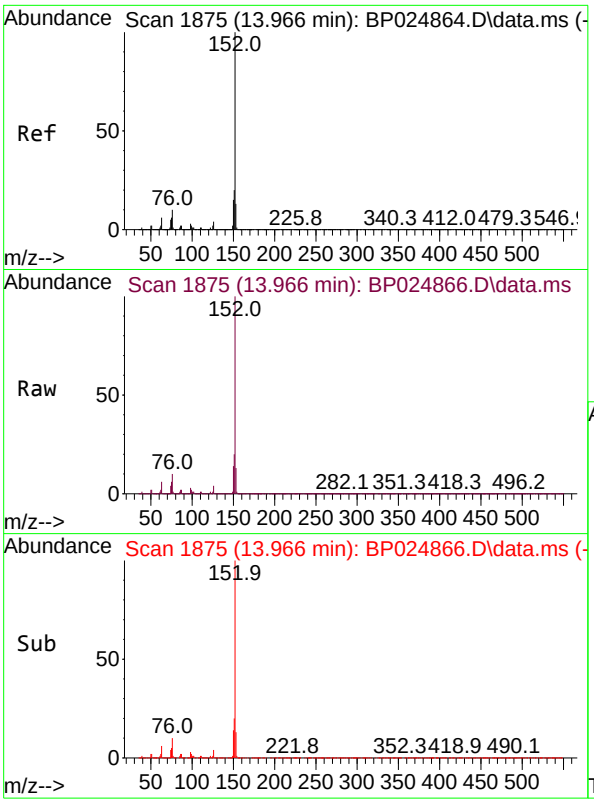


#48
2-Nitroaniline
Concen: 65.376 ng
RT: 13.331 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 65 Resp: 718204

Ion	Ratio	Lower	Upper
65	100		
92	72.2	56.8	85.2
138	113.3	86.9	130.3



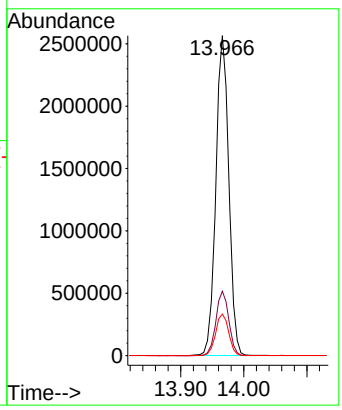


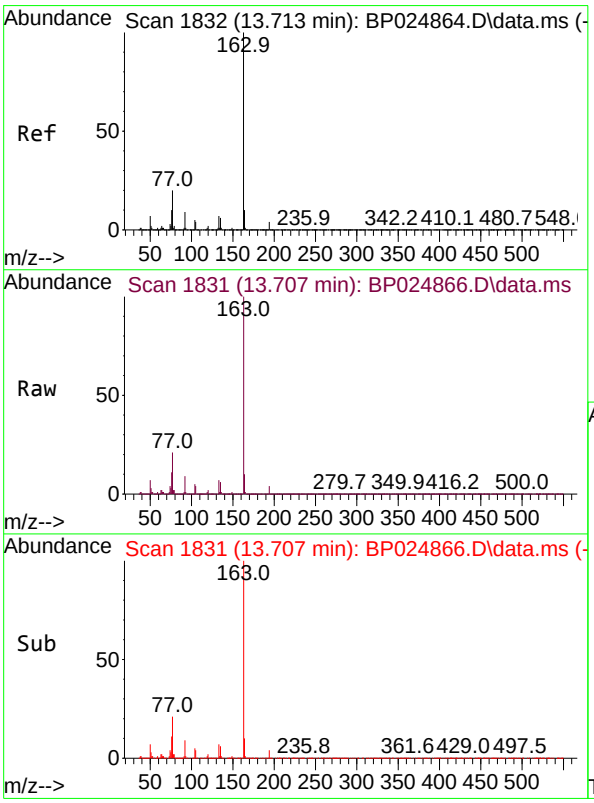
#49
Acenaphthylene
Concen: 61.318 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3653383

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.0	10.6	15.8

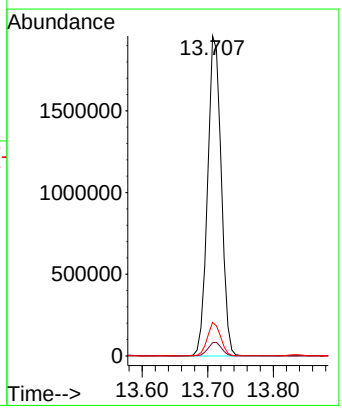


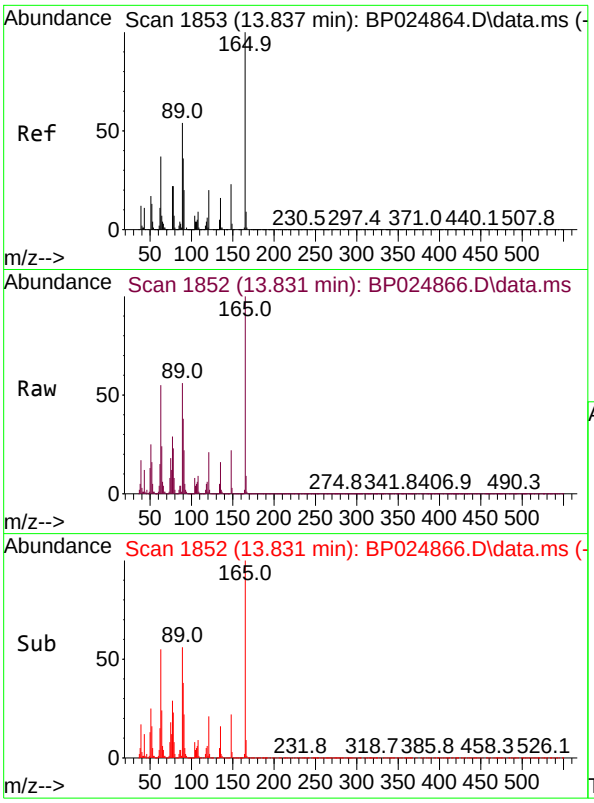


#50
Dimethylphthalate
Concen: 59.902 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:163 Resp: 2826983

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.5	8.0	12.0



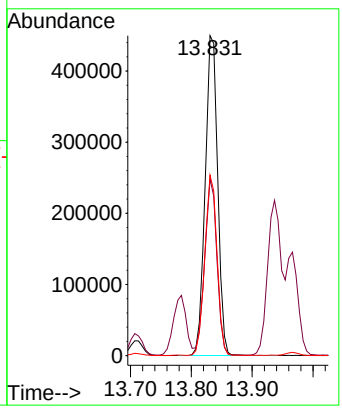


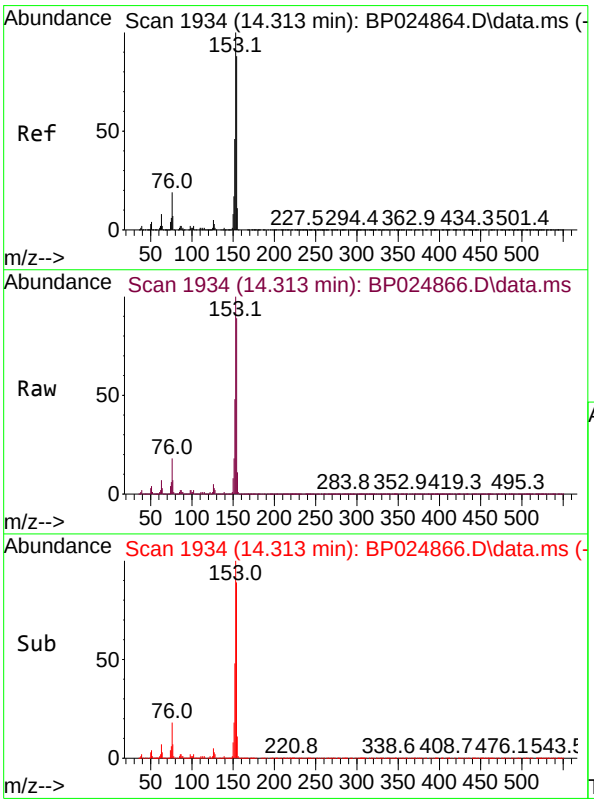
#51
2,6-Dinitrotoluene
Concen: 62.878 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 639722

Ion	Ratio	Lower	Upper
165	100		
63	55.2	41.8	62.8
89	56.4	43.1	64.7

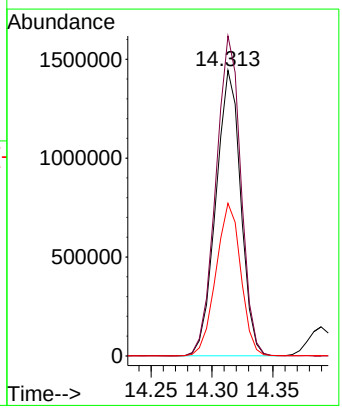


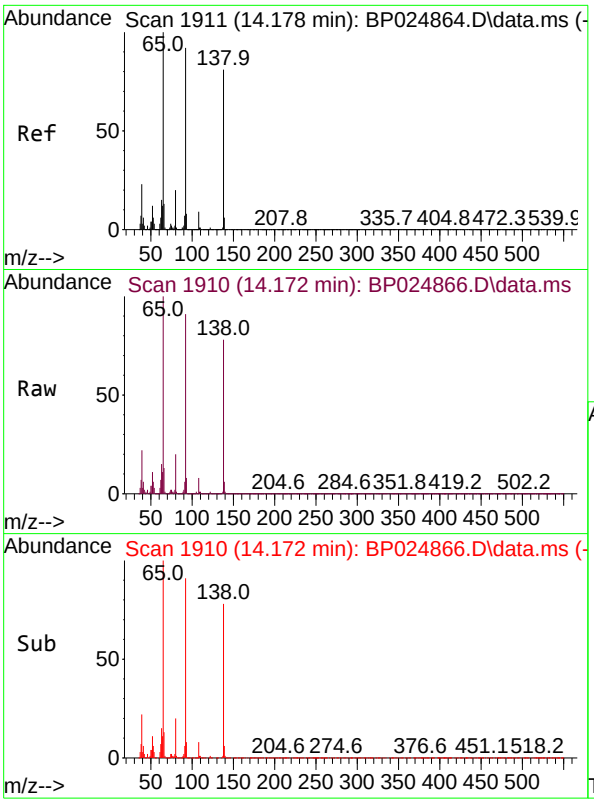


#52
Acenaphthene
Concen: 60.082 ng
RT: 14.313 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:154 Resp: 2051309

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	53.5	42.1	63.1



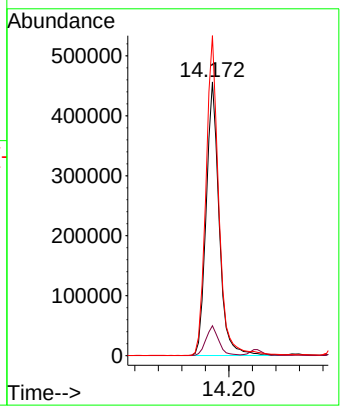


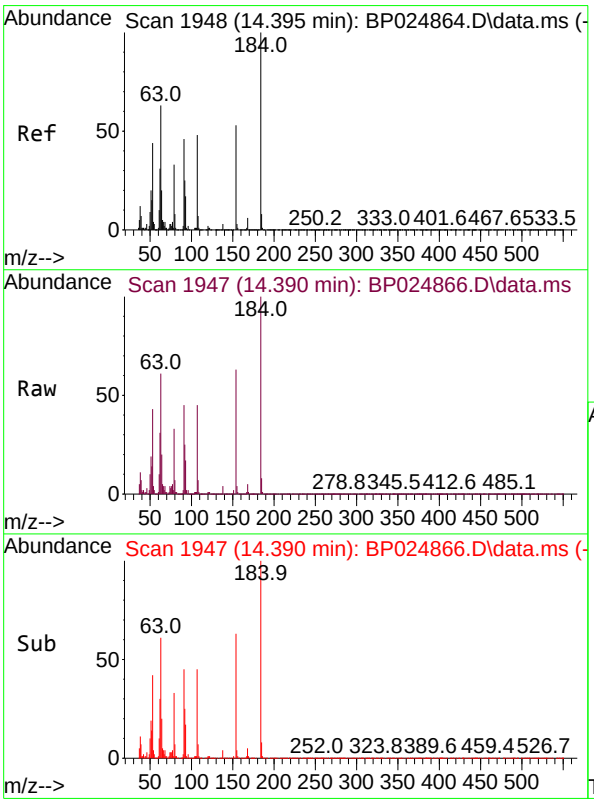
#53
3-Nitroaniline
Concen: 66.199 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 698945

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	116.9	91.3	136.9

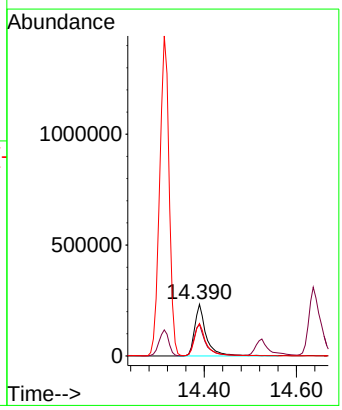


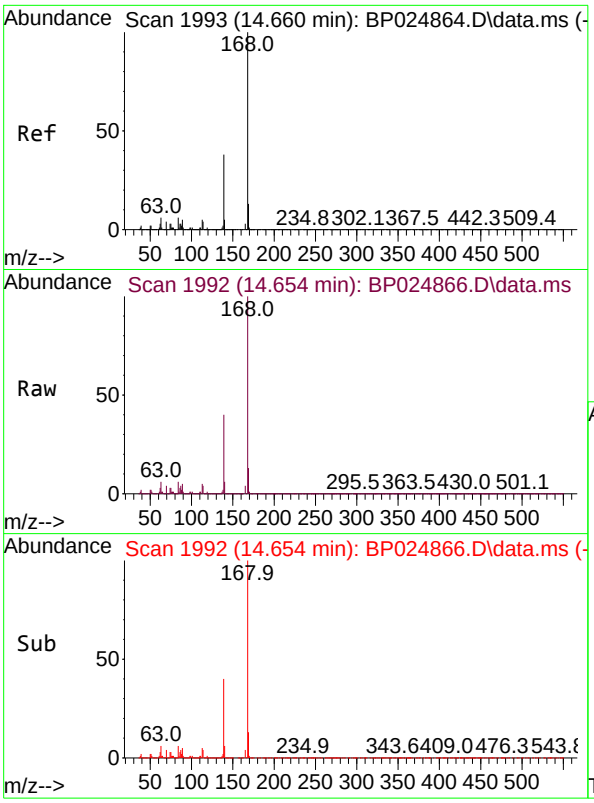


#54
2,4-Dinitrophenol
Concen: 61.497 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:184 Resp: 398250

Ion	Ratio	Lower	Upper
184	100		
63	61.2	51.0	76.4
154	63.0	51.7	77.5



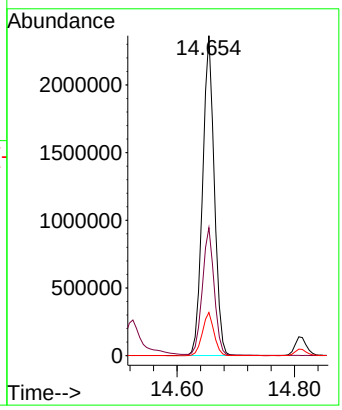


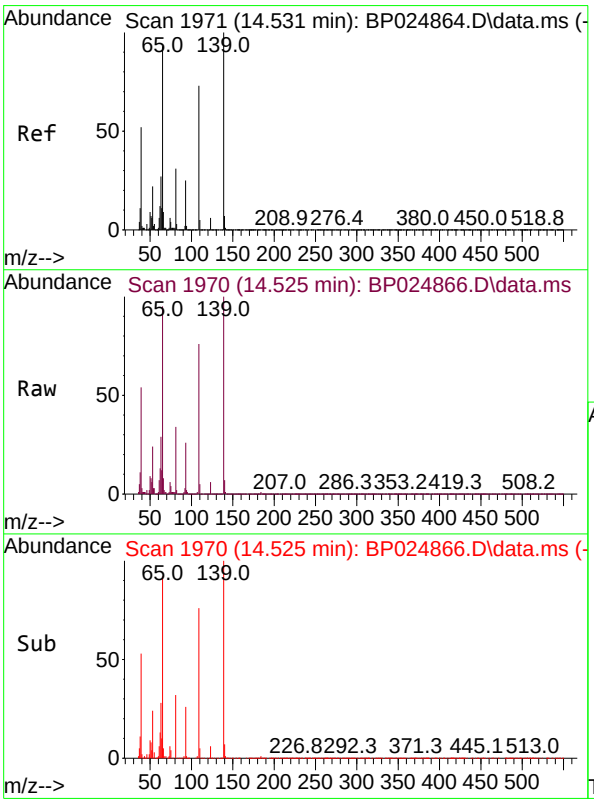
#55
Dibenzofuran
Concen: 59.618 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3267254

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.6	47.4
169	13.5	10.6	15.8

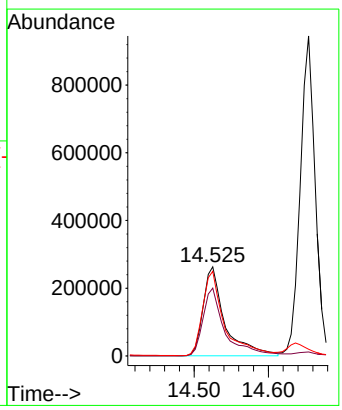


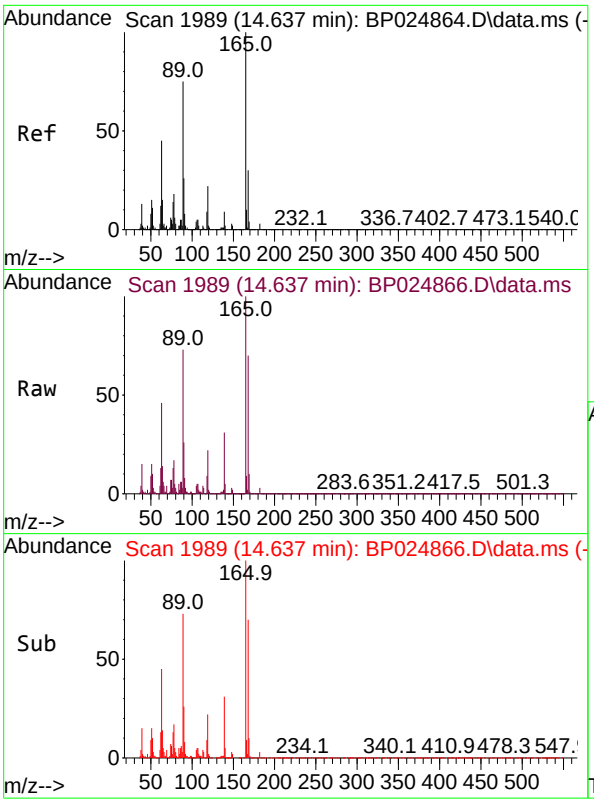


#56
4-Nitrophenol
Concen: 61.650 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:139 Resp: 539162

Ion	Ratio	Lower	Upper
139	100		
109	76.2	53.1	93.1
65	95.0	73.0	113.0



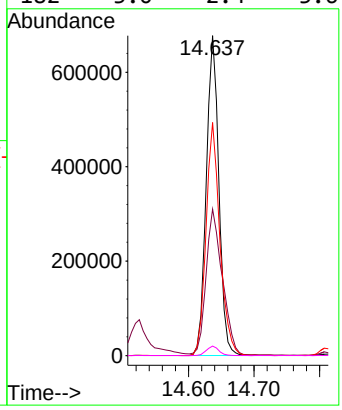


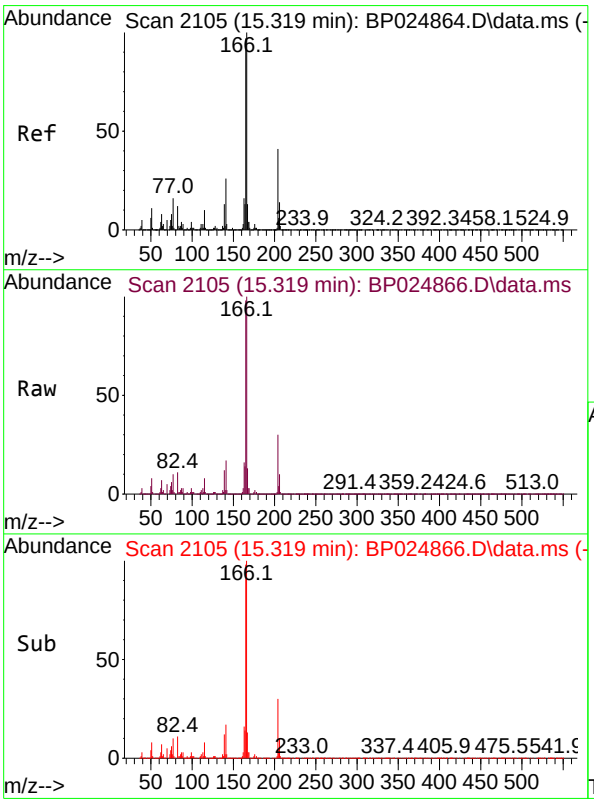
#57
2,4-Dinitrotoluene
Concen: 63.345 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 901515

Ion	Ratio	Lower	Upper
165	100		
63	45.8	37.0	55.6
89	72.8	60.1	90.1
182	3.0	2.4	3.6

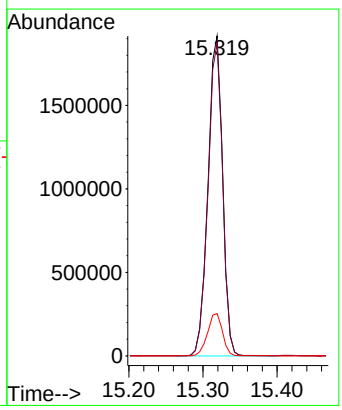


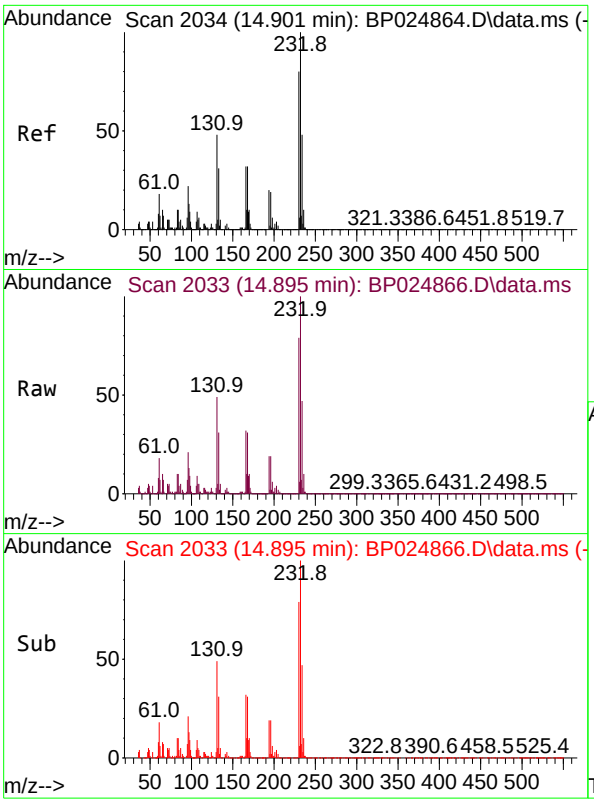


#58
Fluorene
Concen: 59.381 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:166 Resp: 2628887

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.7	116.5
167	13.2	10.6	16.0



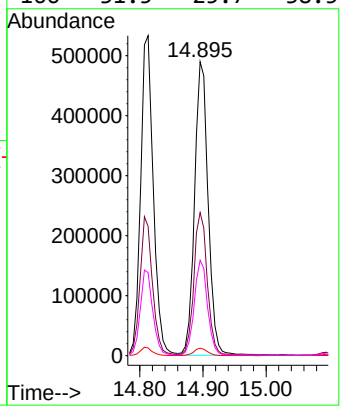


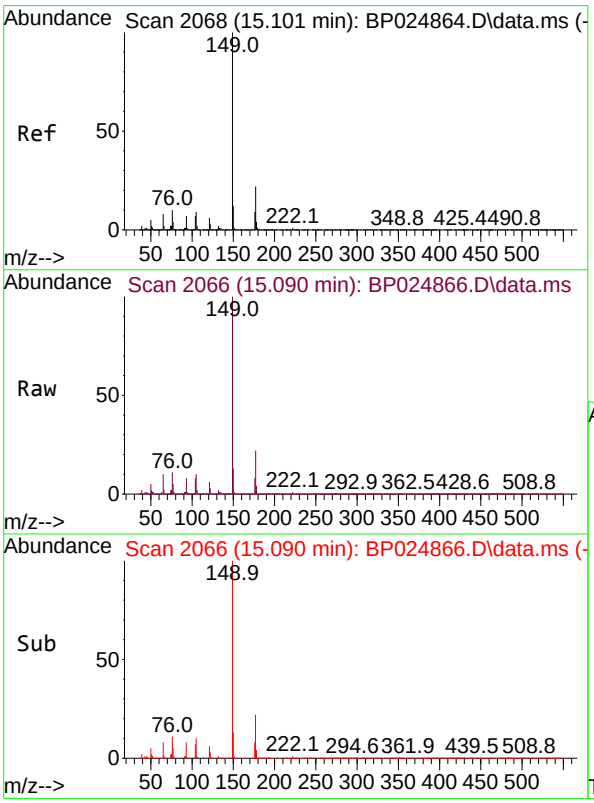
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.524 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 730647

Ion	Ratio	Lower	Upper
232	100		
131	48.2	38.2	57.2
130	2.5	2.1	3.1
166	31.5	25.7	38.5

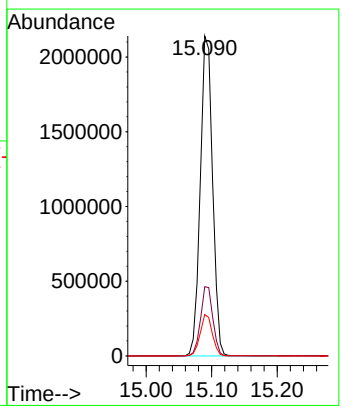


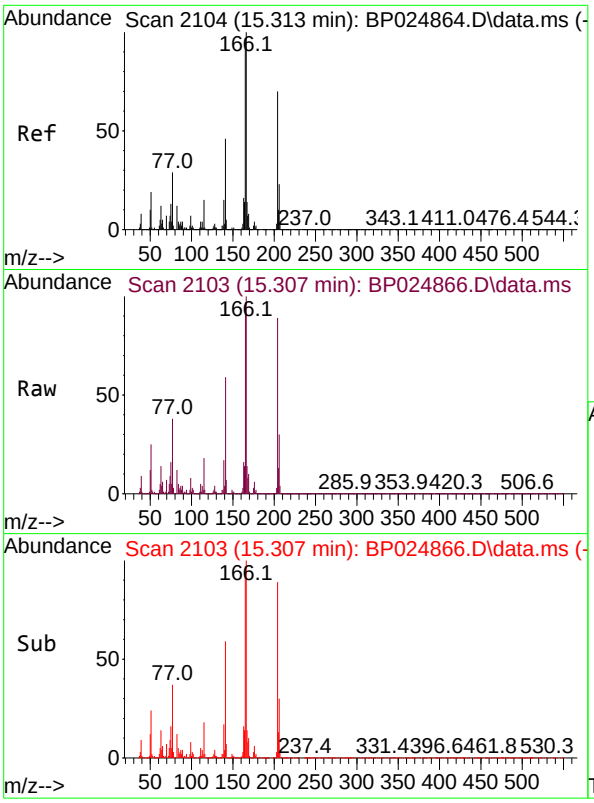


#60
Diethylphthalate
Concen: 58.943 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 2772340

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.9	9.8	14.6



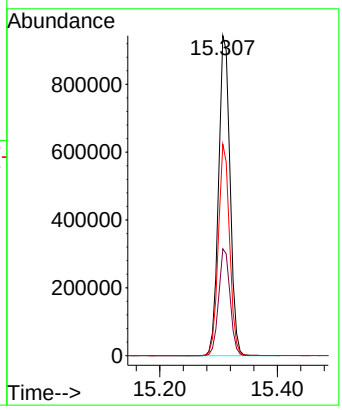


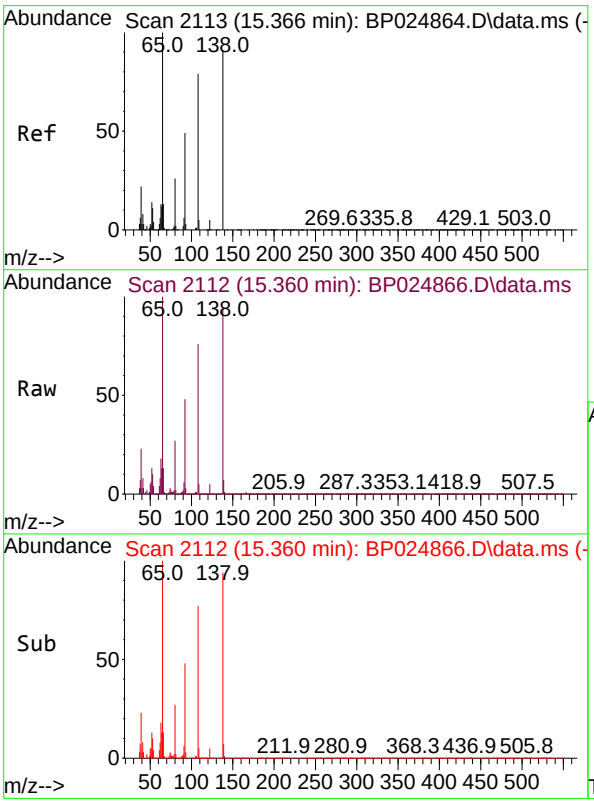
#61
4-Chlorophenyl-phenylether
Concen: 58.980 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1276716

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	66.0	52.4	78.6

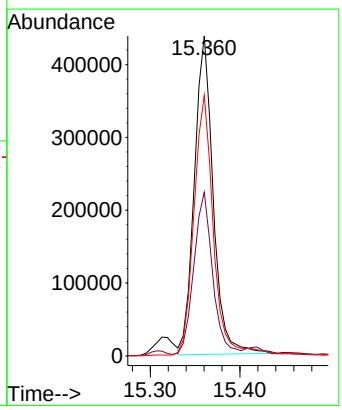


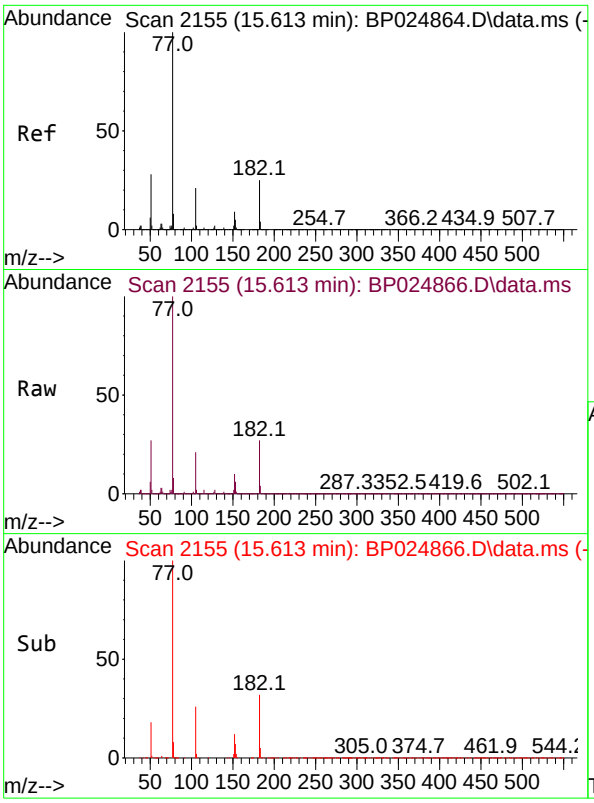


#62
4-Nitroaniline
Concen: 66.714 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:138 Resp: 639038

Ion	Ratio	Lower	Upper
138	100		
92	51.2	33.5	73.5
108	81.4	65.1	105.1



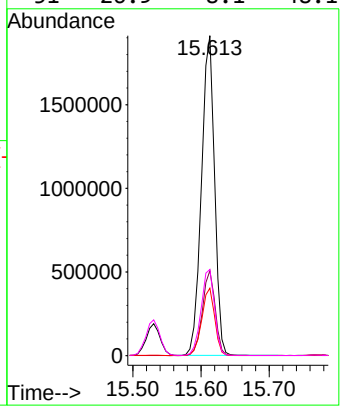


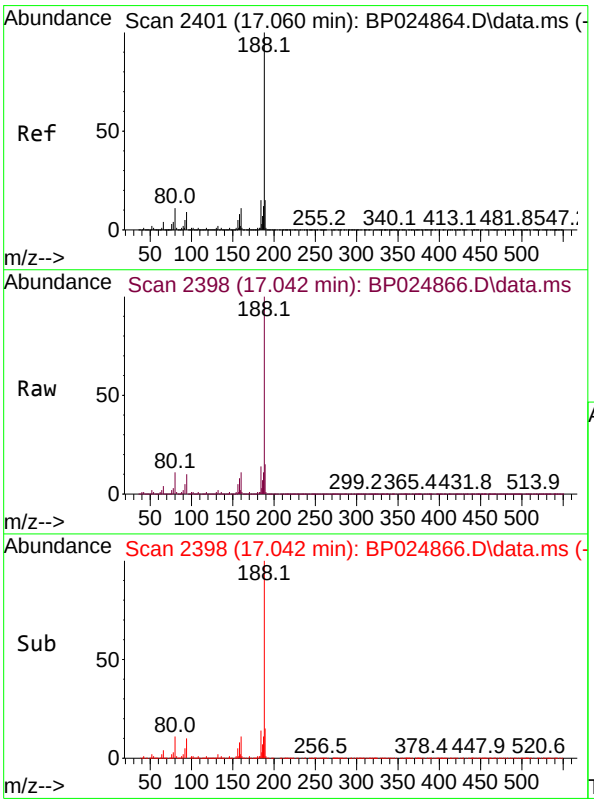
#63
Azobenzene
Concen: 59.380 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2561443

Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.4	45.4
105	21.1	0.8	40.8
51	26.9	8.1	48.1

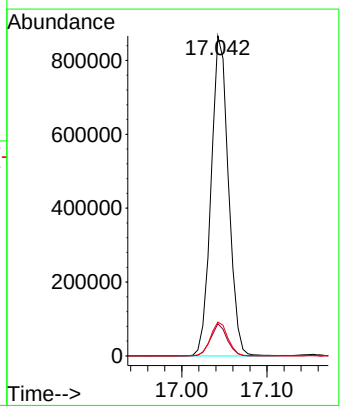


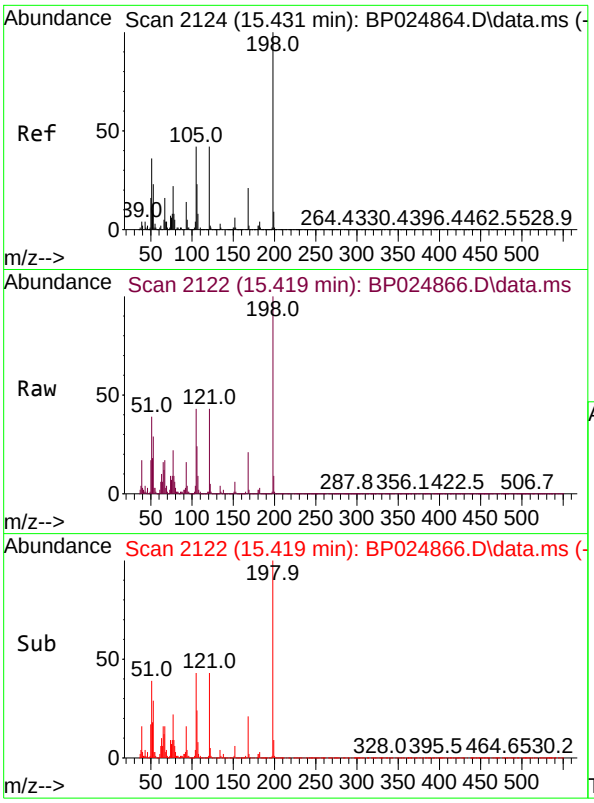


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:188 Resp: 1223735

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.3	10.9
80	10.6	8.5	12.7



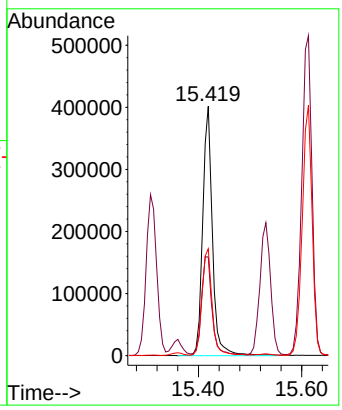


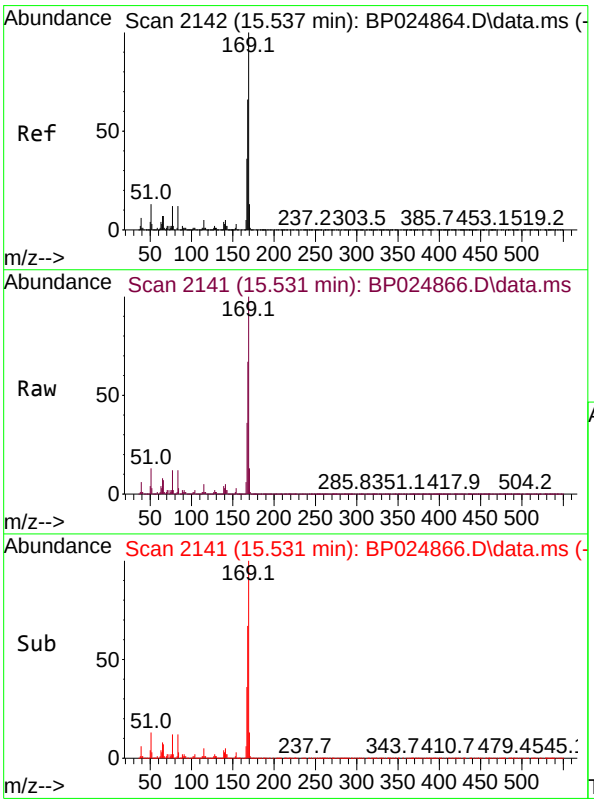
#65
4,6-Dinitro-2-methylphenol
Concen: 65.178 ng
RT: 15.419 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 524098

Ion	Ratio	Lower	Upper
198	100		
51	39.5	19.2	59.2
105	42.8	22.6	62.6

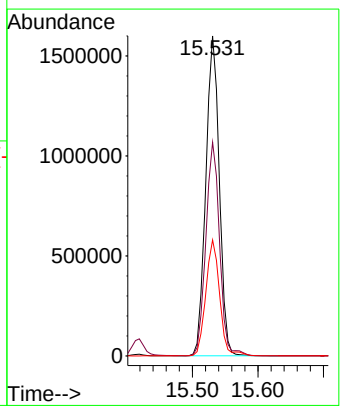


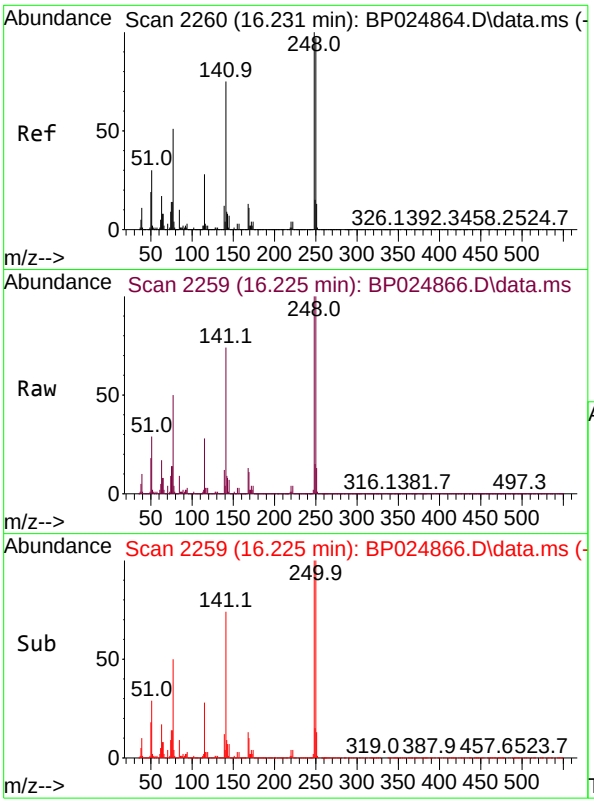


#66
n-Nitrosodiphenylamine
Concen: 60.188 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:169 Resp: 2282932

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.2	28.6	43.0



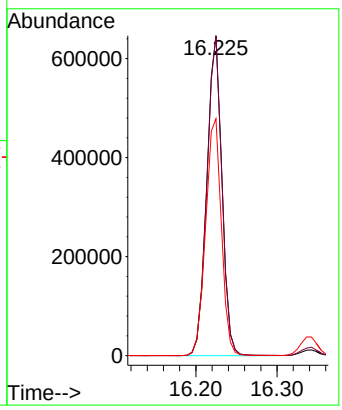


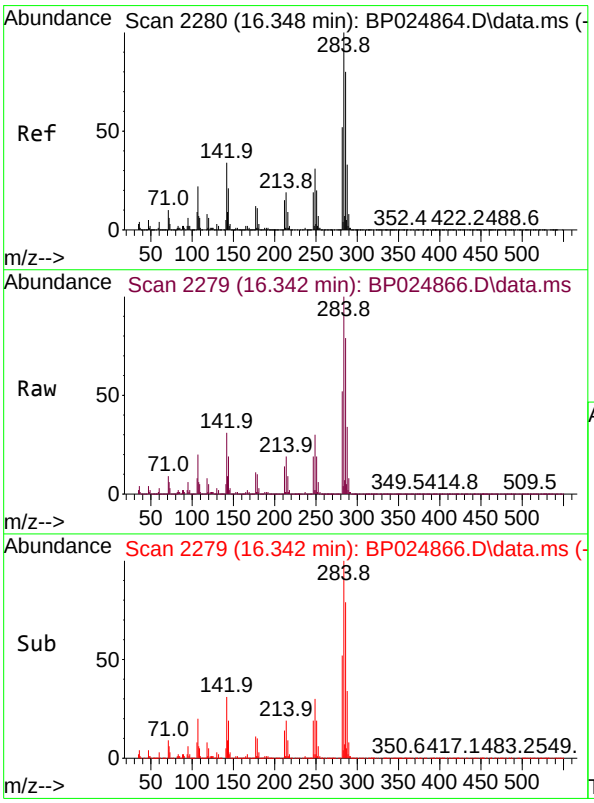
#67
4-Bromophenyl-phenylether
Concen: 60.812 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 839674

Ion	Ratio	Lower	Upper
248	100		
250	100.1	77.4	116.2
141	74.1	59.9	89.9

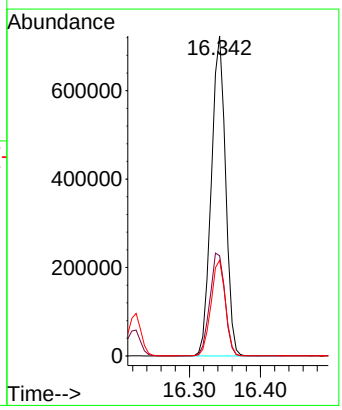


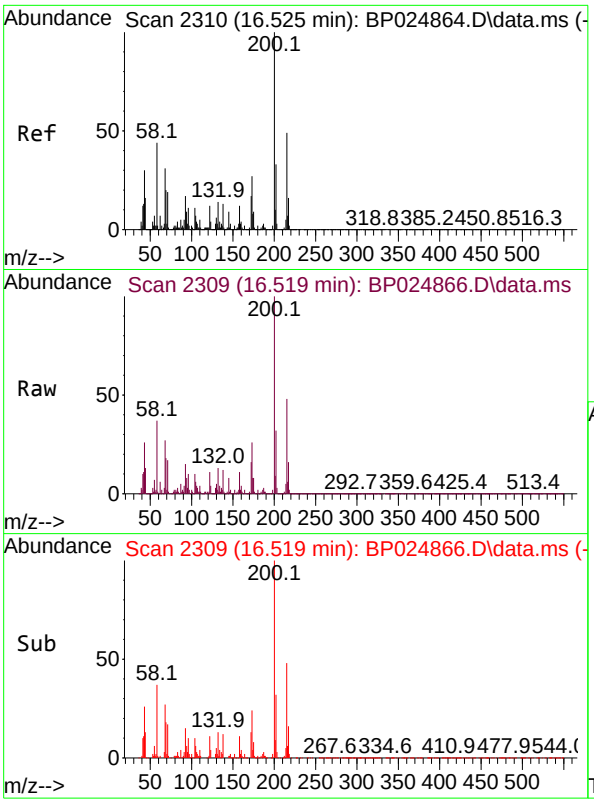


#68
Hexachlorobenzene
Concen: 60.238 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:284 Resp: 1008320

Ion	Ratio	Lower	Upper
284	100		
142	31.3	27.0	40.6
249	29.9	25.0	37.6



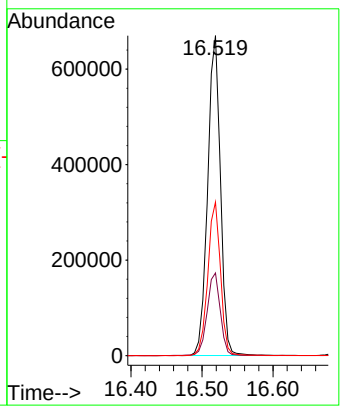


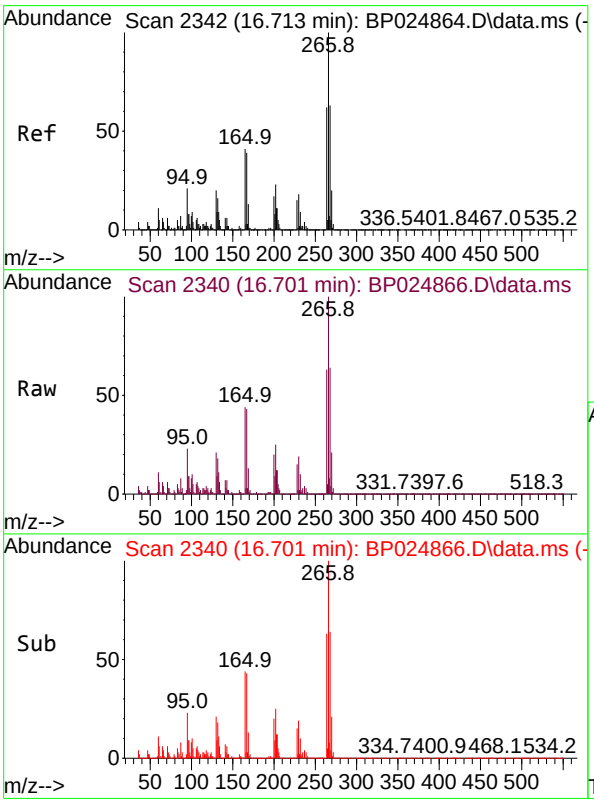
#69
Atrazine
Concen: 60.814 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 836217

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.9	46.9
215	48.0	28.7	68.7

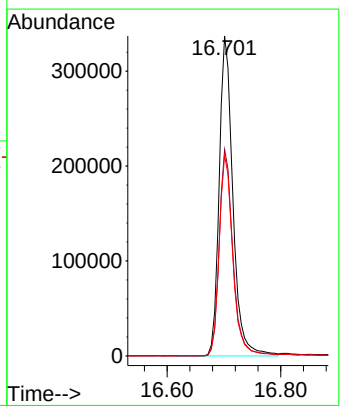


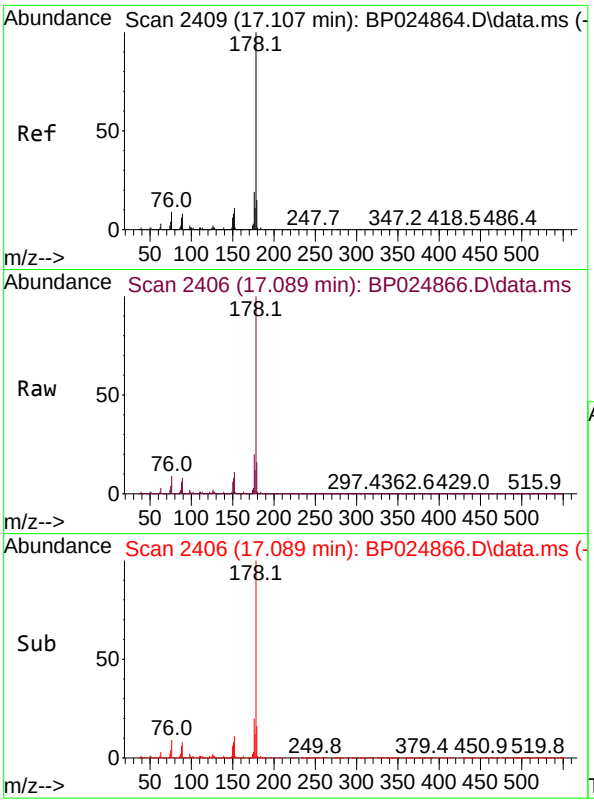


#70
Pentachlorophenol
Concen: 64.826 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:266 Resp: 561603

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.6	76.0
264	62.7	49.7	74.5



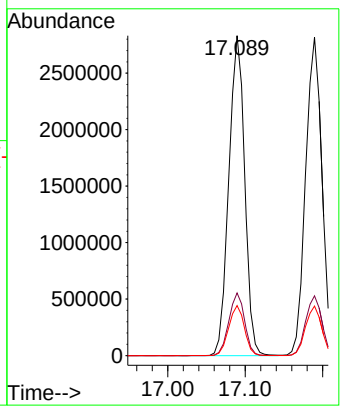


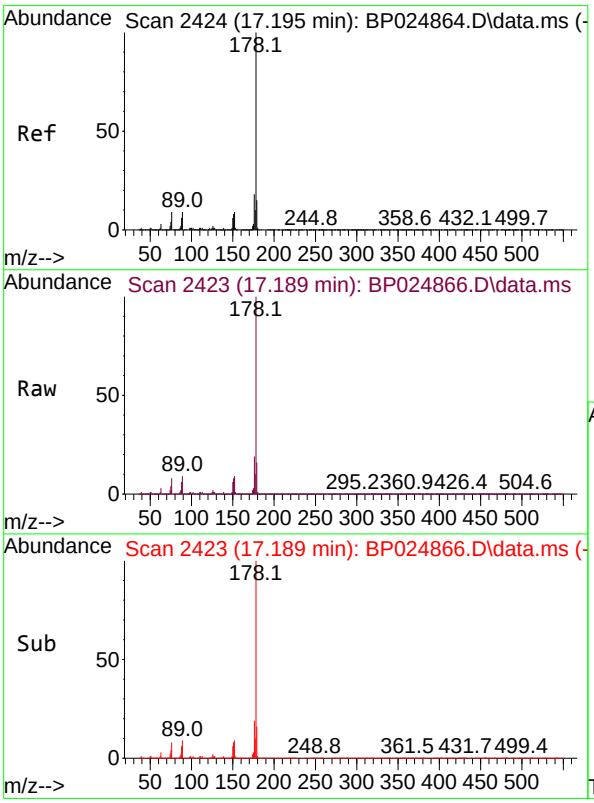
#71
Phenanthrene
Concen: 59.844 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4046968

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.1	18.1

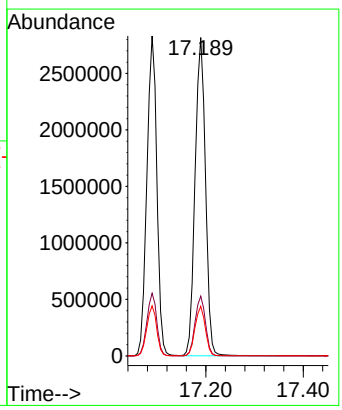


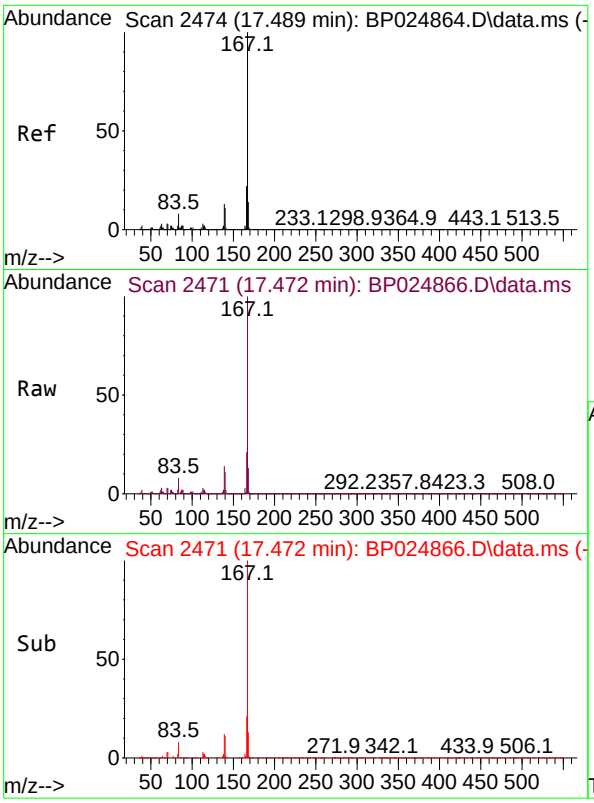


#72
Anthracene
Concen: 60.751 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:178 Resp: 4160775

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.6	12.3	18.5



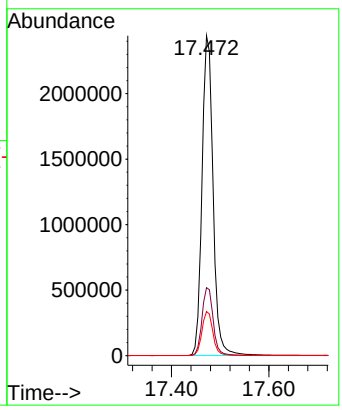


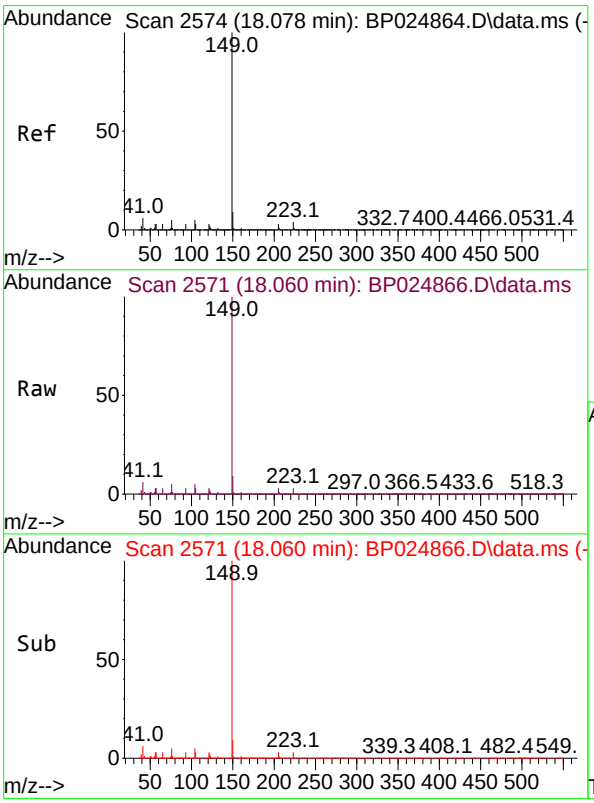
#73
Carbazole
Concen: 60.827 ng
RT: 17.472 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3861413

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	13.8	10.8	16.2

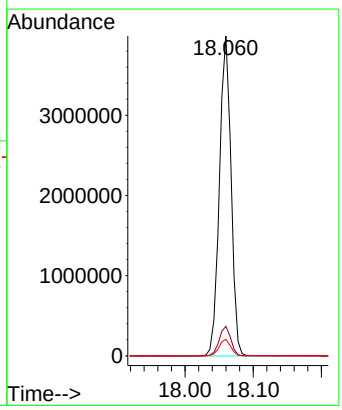


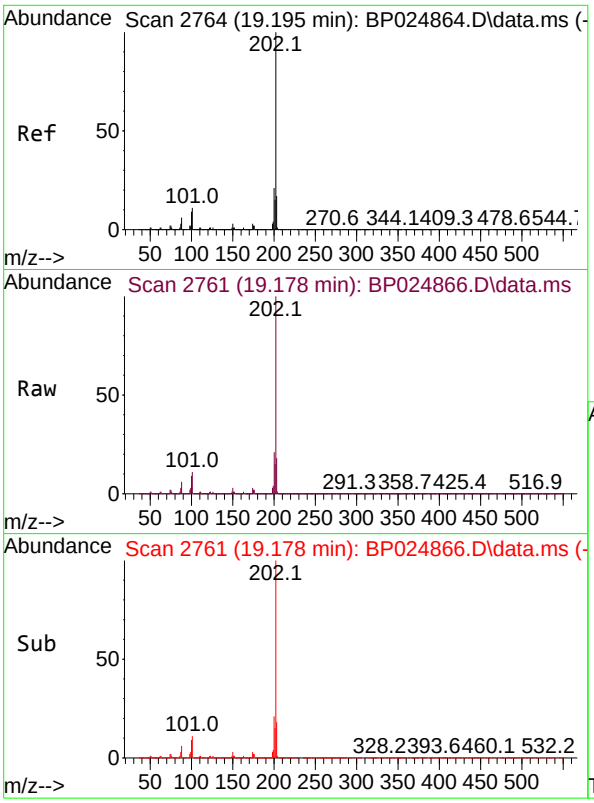


#74
Di-n-butylphthalate
Concen: 59.401 ng
RT: 18.060 min Scan# 2571
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 4672145

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	4.2	6.2



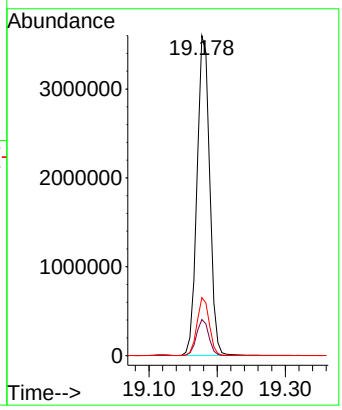


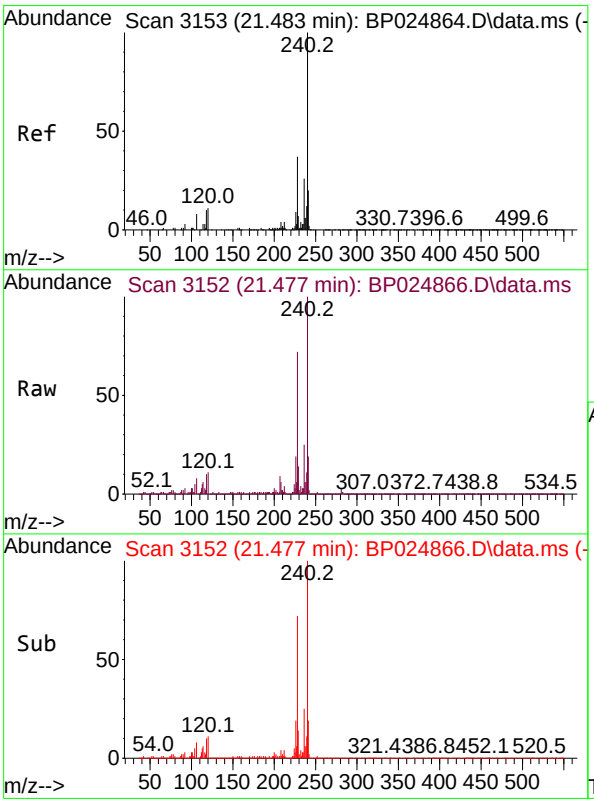
#75
Fluoranthene
Concen: 59.407 ng
RT: 19.178 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4656349

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.1	0.0	37.5

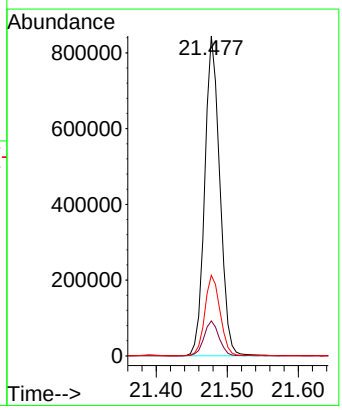


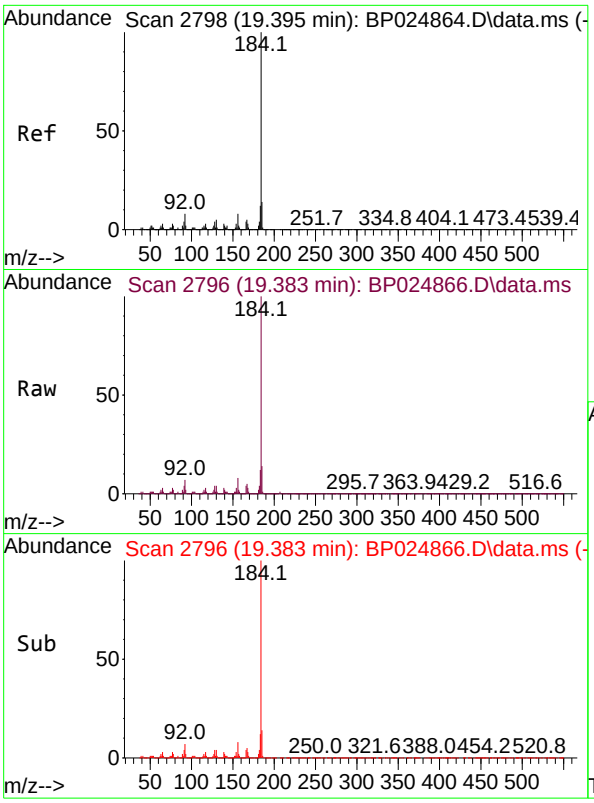


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:240 Resp: 1245531

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.2	20.9	31.3



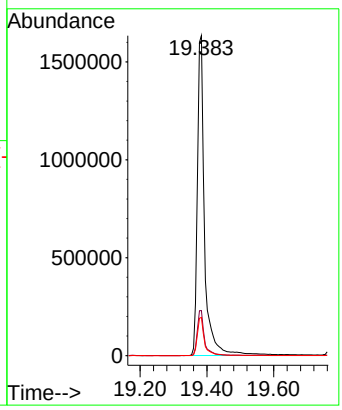


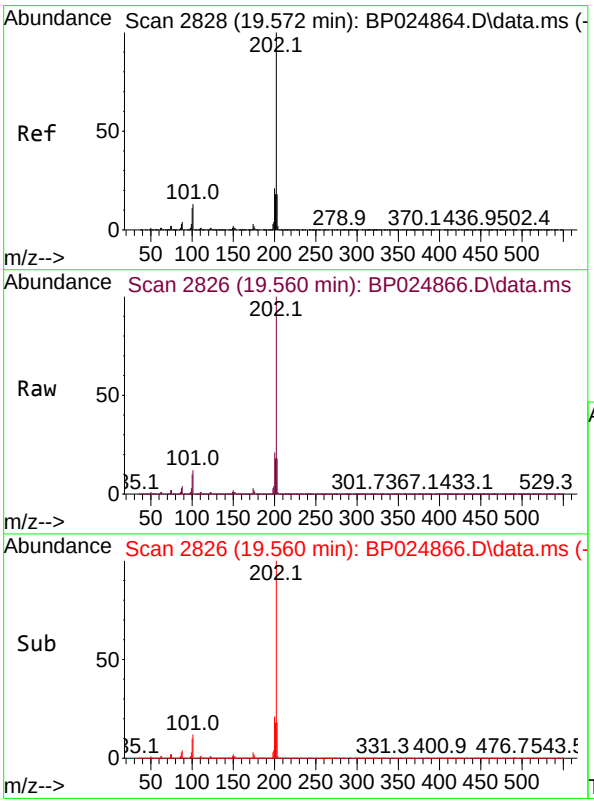
#77
Benzidine
Concen: 64.227 ng
RT: 19.383 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2477600

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.5	14.3

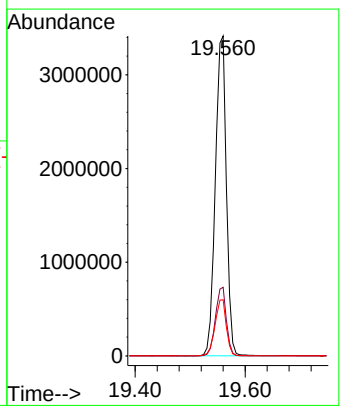


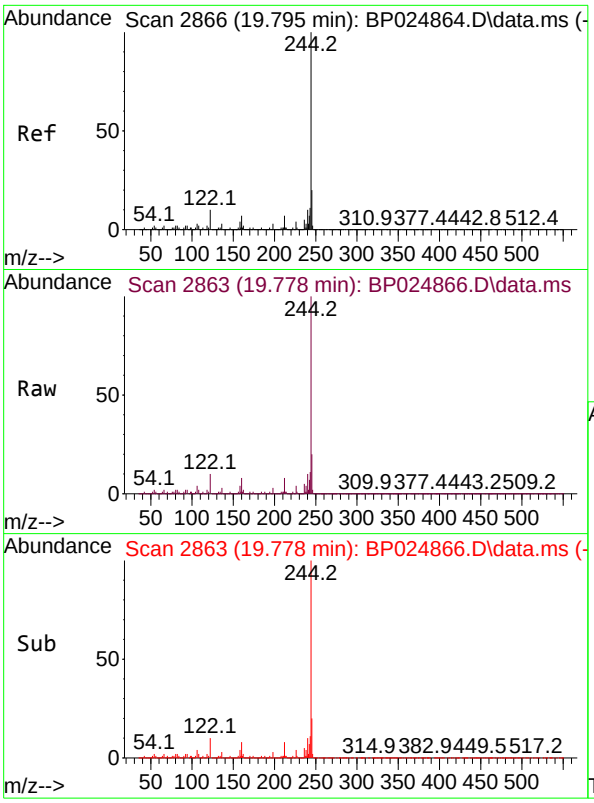


#78
Pyrene
Concen: 61.064 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:202 Resp: 4751590

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.5	14.0	21.0



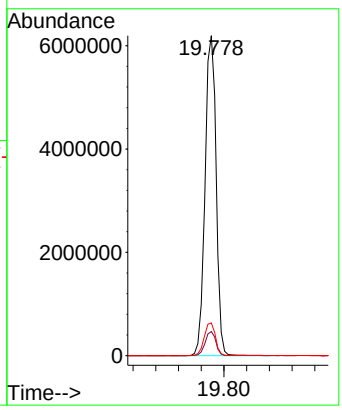


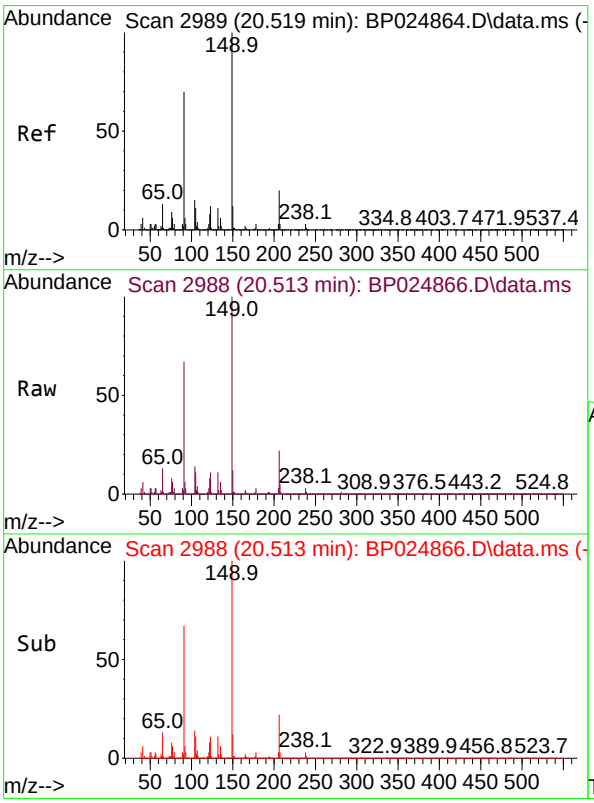
#79
Terphenyl-d14
Concen: 120.485 ng
RT: 19.778 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 8373144

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.2	7.7	11.5

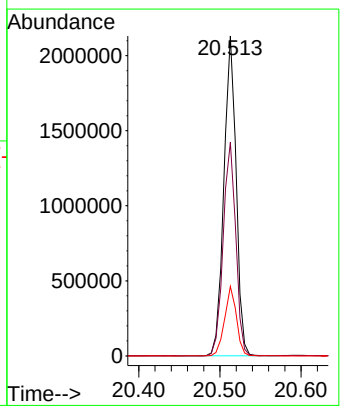


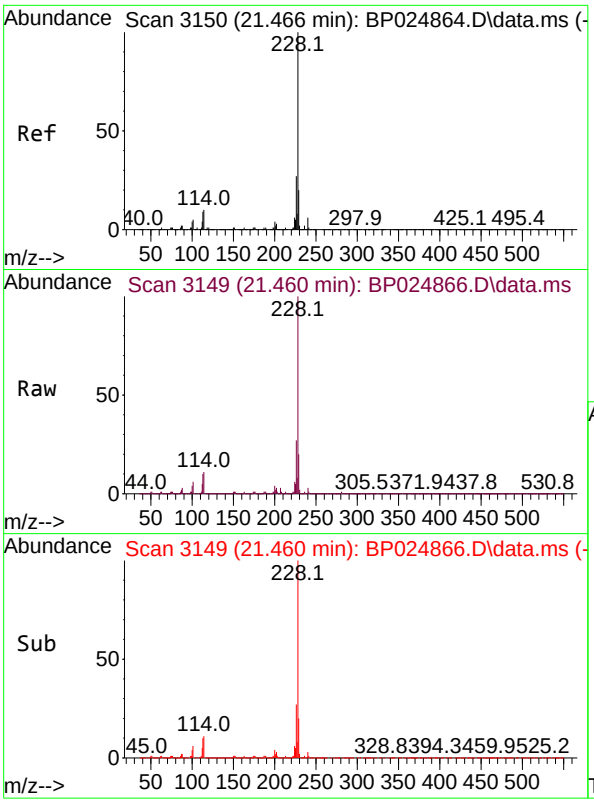


#80
Butylbenzylphthalate
Concen: 62.449 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 2225855

Ion	Ratio	Lower	Upper
149	100		
91	66.7	55.8	83.8
206	21.7	16.2	24.2



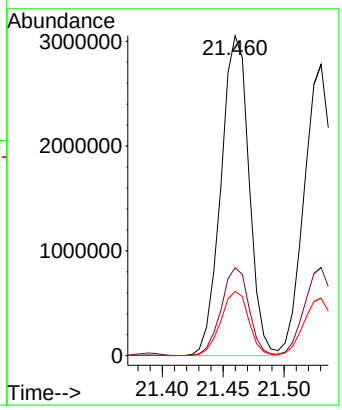


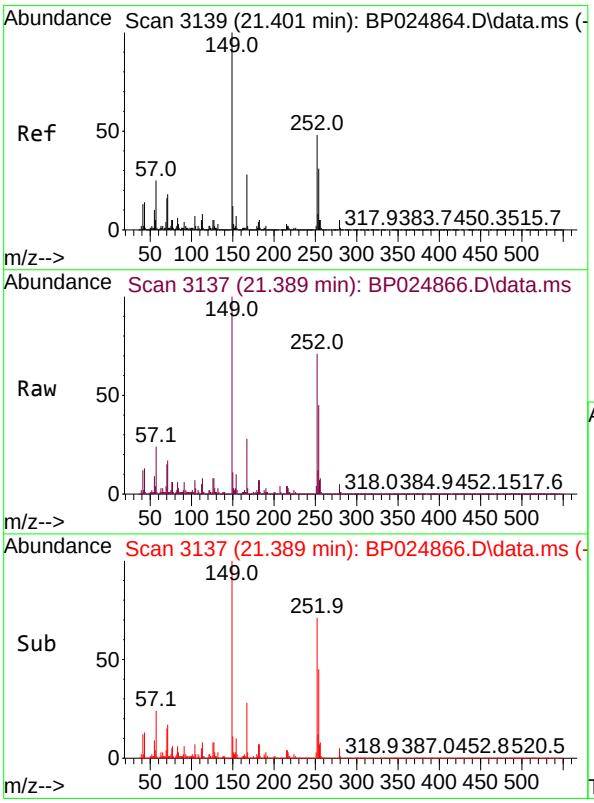
#81
Benzo(a)anthracene
Concen: 61.469 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4896757

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.1	15.9	23.9

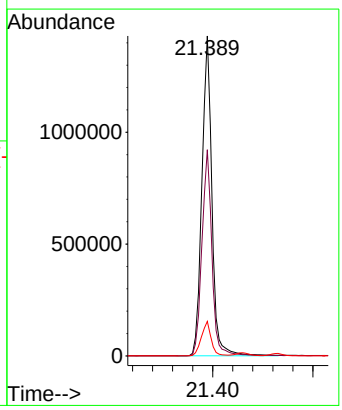


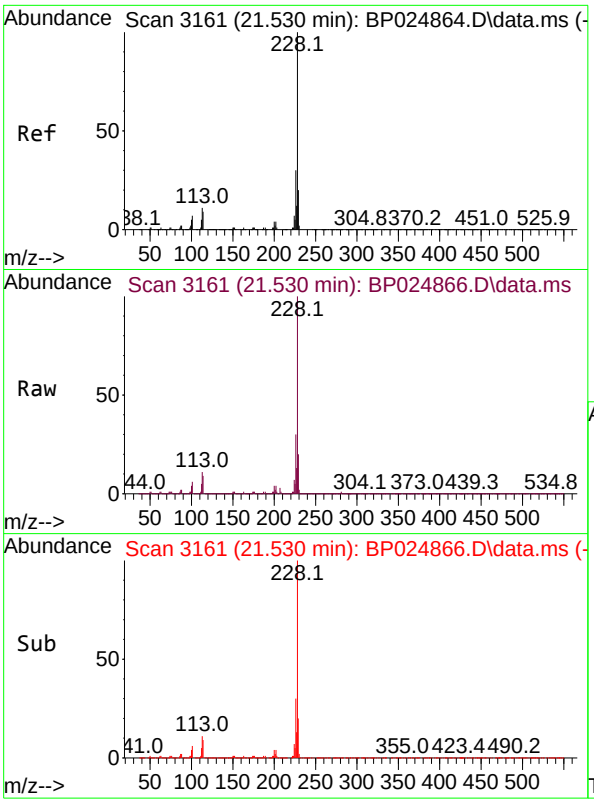


#82
3,3'-Dichlorobenzidine
Concen: 62.681 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 1982344

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.2	76.8
126	10.8	8.6	12.8



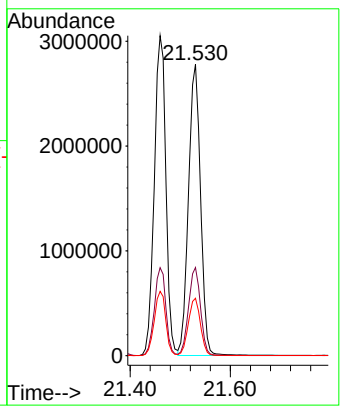


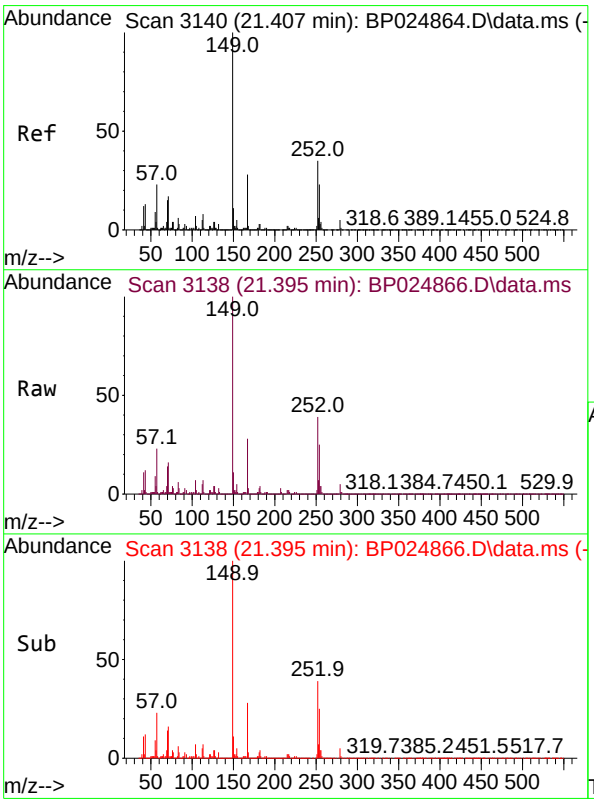
#83
Chrysene
Concen: 61.276 ng
RT: 21.530 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4625245

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	19.7	15.6	23.4

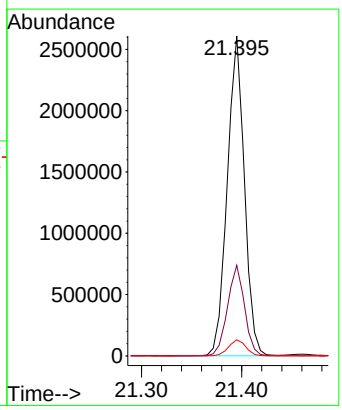


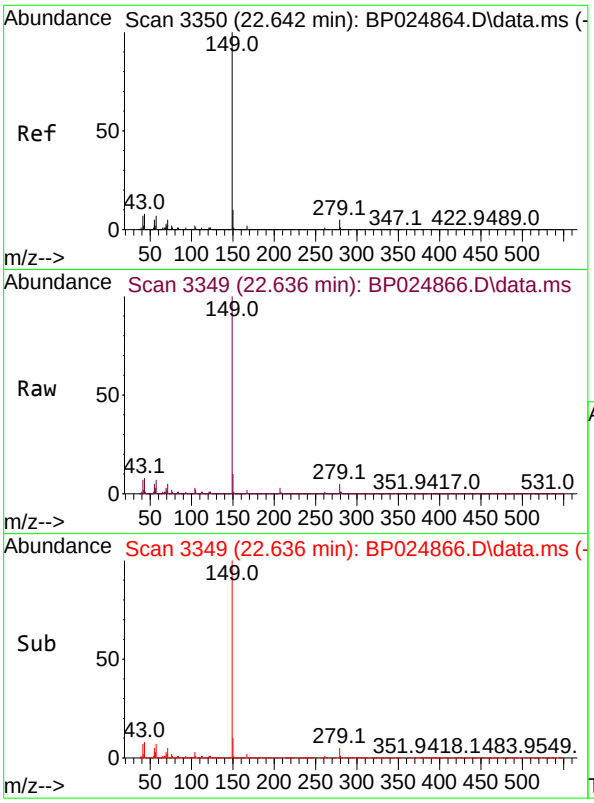


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.769 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 3103331

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	5.0	4.0	6.0



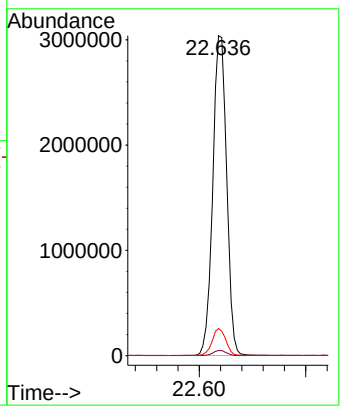


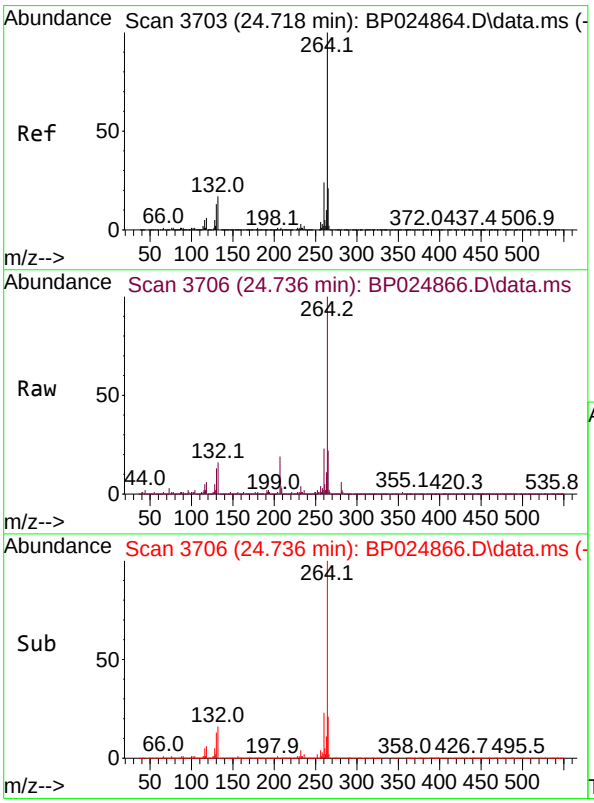
#85
Di-n-octyl phthalate
Concen: 61.004 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 5491065

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.3	6.6	10.0

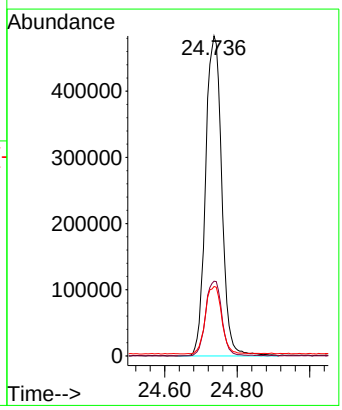


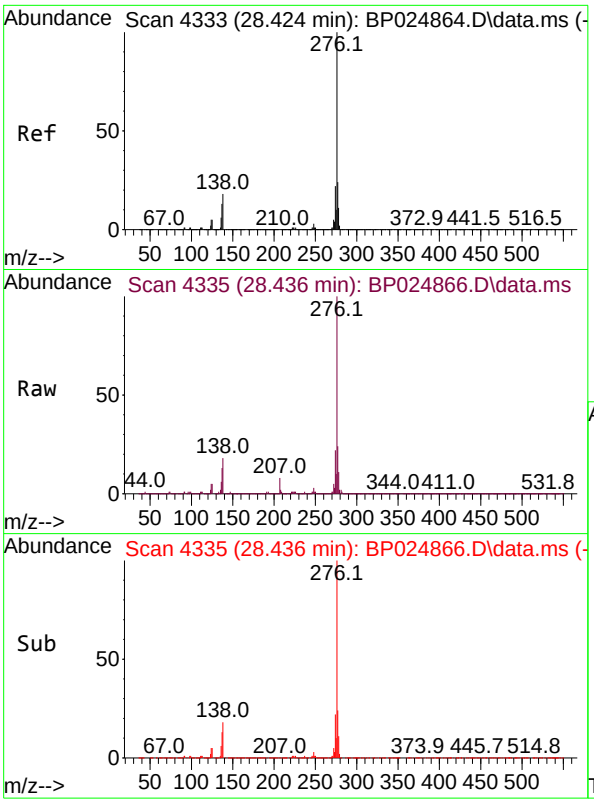


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:264 Resp: 1494809

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.7	17.4	26.0



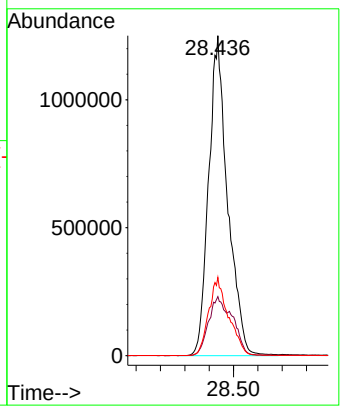


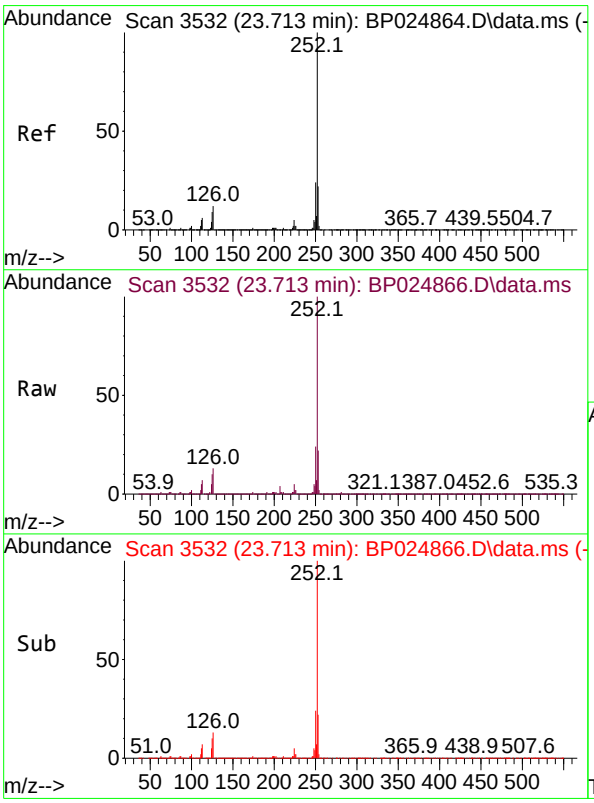
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.088 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6771619

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.6	27.8
277	25.5	20.2	30.4

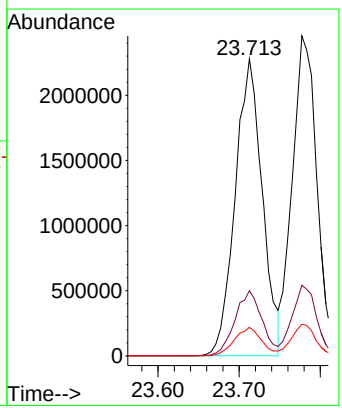


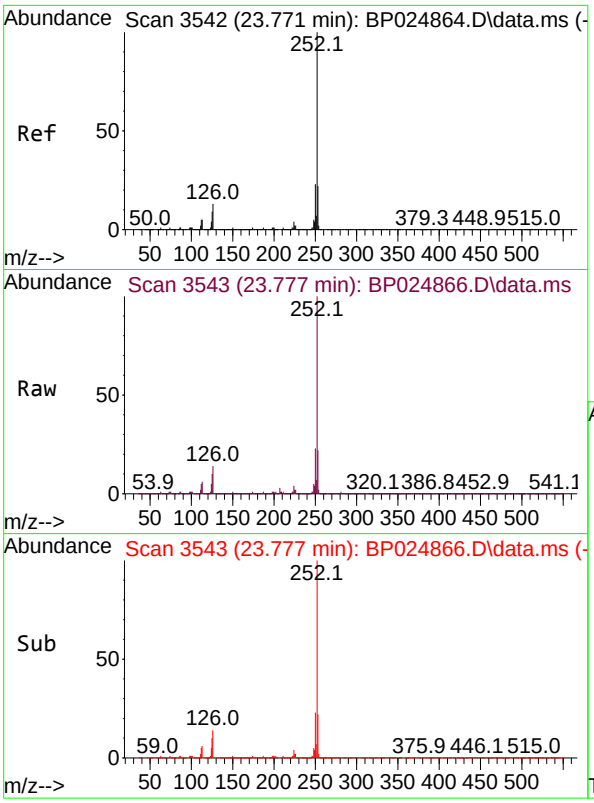


#88
Benzo(b)fluoranthene
Concen: 61.842 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 5290333

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.6	7.1	10.7



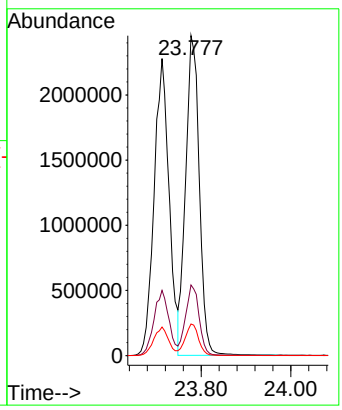


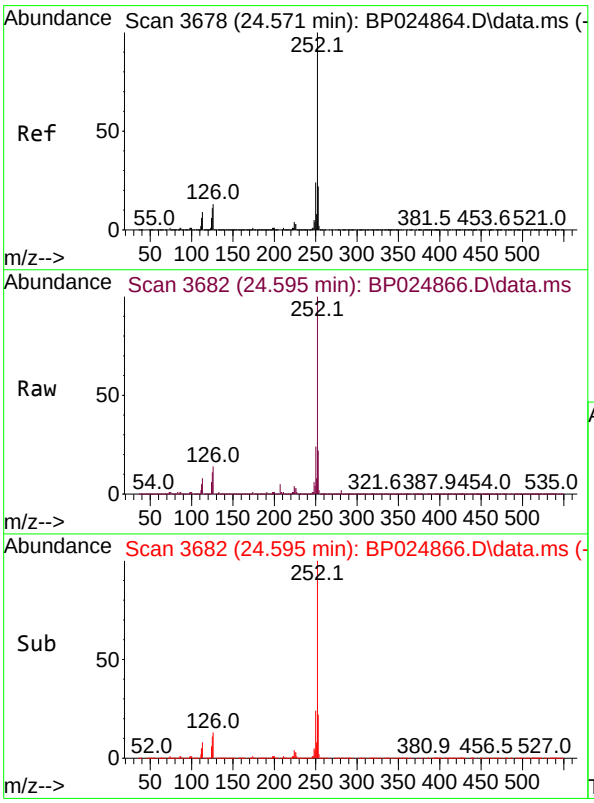
#89
Benzo(k)fluoranthene
Concen: 59.612 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5191049

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.4	11.0

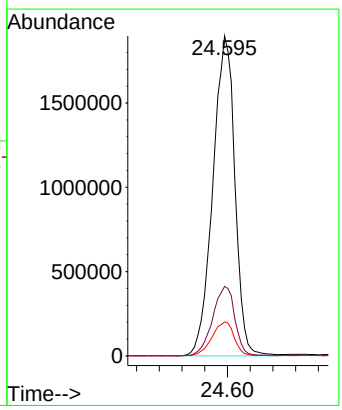


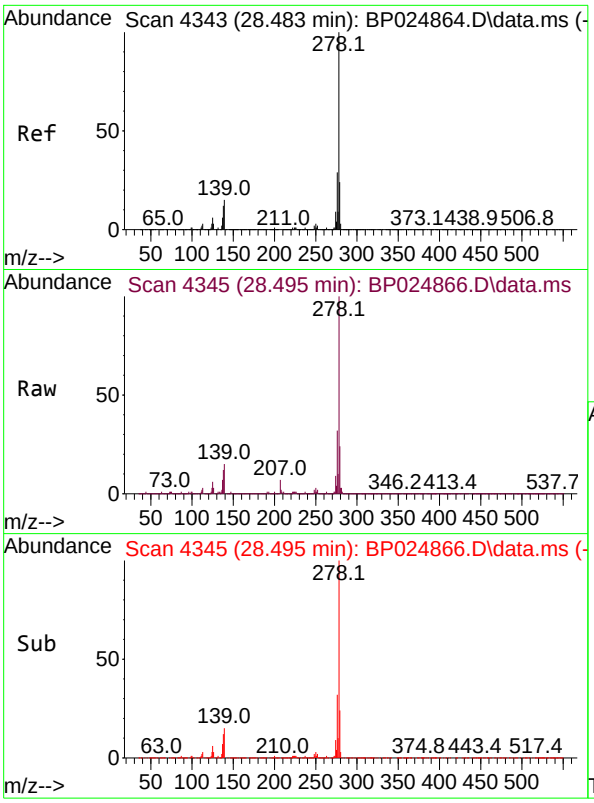


#90
Benzo(a)pyrene
Concen: 60.965 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 5093340

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.6	8.8	13.2



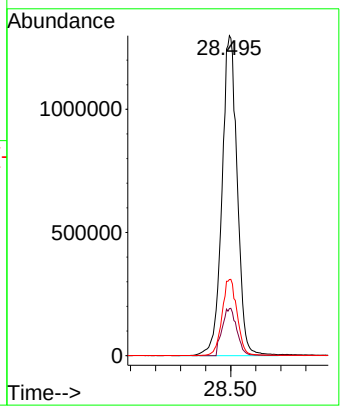


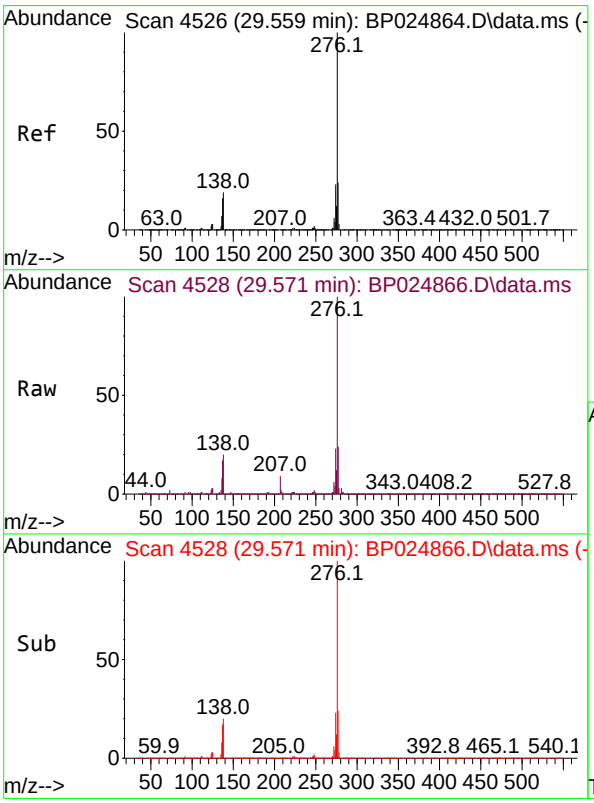
#91
Dibenzo(a,h)anthracene
Concen: 61.830 ng
RT: 28.495 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 5489005

Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.0	18.0
279	23.8	19.1	28.7

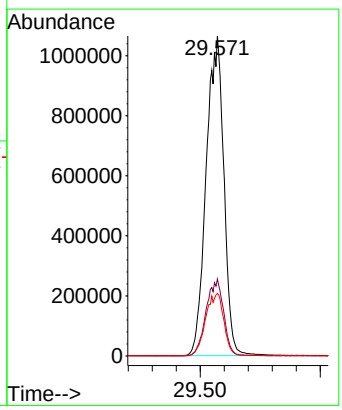




#92
Benzo(g,h,i)perylene
Concen: 61.794 ng
RT: 29.571 min Scan# 4528
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:276 Resp: 5442983

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	19.6	15.4	23.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	251656	20.000	ng		0.00
21) Naphthalene-d8	10.384	136	1097725	20.000	ng		0.00
39) Acenaphthene-d10	14.254	164	655445	20.000	ng		0.00
64) Phenanthrene-d10	17.054	188	1282325	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1346775	20.000	ng		0.00
86) Perylene-d12	24.742	264	1568664	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.243	112	2447087	162.312	ng		0.00
7) Phenol-d6	6.819	99	3149578	157.892	ng		0.00
23) Nitrobenzene-d5	8.766	82	3363733	148.903	ng		0.00
42) 2,4,6-Tribromophenol	15.778	330	1494447	164.916	ng		0.00
45) 2-Fluorobiphenyl	12.866	172	7387084	151.825	ng		0.00
79) Terphenyl-d14	19.789	244	11194678	148.975	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.173	88	520741	78.498	ng		100
3) Pyridine	3.567	79	1323253	82.944	ng		99
4) n-Nitrosodimethylamine	3.484	42	528461	81.024	ng		100
6) Aniline	6.961	93	2044864	80.328	ng		100
8) 2-Chlorophenol	7.196	128	1357118	79.405	ng		99
9) Benzaldehyde	6.772	77	650456	56.412	ng		99
10) Phenol	6.843	94	1640201	79.761	ng		99
11) bis(2-Chloroethyl)ether	7.049	93	1254500	77.563	ng		99
12) 1,3-Dichlorobenzene	7.502	146	1480514	77.650	ng		99
13) 1,4-Dichlorobenzene	7.649	146	1497910	77.862	ng		98
14) 1,2-Dichlorobenzene	7.961	146	1431405	75.771	ng		98
15) Benzyl Alcohol	7.866	79	1218925	79.620	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.143	45	1584064	74.829	ng		98
17) 2-Methylphenol	8.072	107	1128854	78.611	ng		99
18) Hexachloroethane	8.672	117	566168	78.169	ng		97
19) n-Nitroso-di-n-propyla...	8.419	70	1035677	76.374	ng		99
20) 3+4-Methylphenols	8.402	107	1524653	77.821	ng		99
22) Acetophenone	8.431	105	2033065	73.305	ng	#	99
24) Nitrobenzene	8.808	77	1489831	74.236	ng		99
25) Isophorone	9.331	82	3090456	78.936	ng		98
26) 2-Nitrophenol	9.508	139	870704	87.932	ng		98
27) 2,4-Dimethylphenol	9.584	122	1396457	82.403	ng		98
28) bis(2-Chloroethoxy)met...	9.808	93	1828377	78.289	ng		98
29) 2,4-Dichlorophenol	10.055	162	1419757	87.313	ng		98
30) 1,2,4-Trichlorobenzene	10.243	180	1542041	84.080	ng		99
31) Naphthalene	10.431	128	4104122	72.957	ng		100
32) Benzoic acid	9.802	122	1065621	94.314	ng		97
33) 4-Chloroaniline	10.555	127	1816811	77.087	ng		100
34) Hexachlorobutadiene	10.713	225	830962	75.174	ng		99
35) Caprolactam	11.366	113	457044	76.358	ng		97
36) 4-Chloro-3-methylphenol	11.702	107	1442747	76.925	ng		99
37) 2-Methylnaphthalene	12.049	142	2642800	74.062	ng		99
38) 1-Methylnaphthalene	12.272	142	2821350	73.955	ng		99
40) 1,2,4,5-Tetrachloroben...	12.425	216	1472269	79.160	ng		100
41) Hexachlorocyclopentadiene	12.396	237	1031961	90.970	ng		99
43) 2,4,6-Trichlorophenol	12.678	196	1039009	83.186	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	1117015	83.507	ng		99
46) 1,1'-Biphenyl	13.072	154	3678354	77.223	ng		99
47) 2-Chloronaphthalene	13.119	162	2834595	77.428	ng		99
48) 2-Nitroaniline	13.337	65	930628	82.685	ng		96
49) Acenaphthylene	13.966	152	4731215	77.508	ng		100
50) Dimethylphthalate	13.719	163	3769405	77.959	ng		100
51) 2,6-Dinitrotoluene	13.837	165	829970	79.625	ng		95
52) Acenaphthene	14.319	154	2715693	77.638	ng		100
53) 3-Nitroaniline	14.178	138	914372	84.530	ng		98
54) 2,4-Dinitrophenol	14.390	184	537870	79.298	ng		99
55) Dibenzofuran	14.654	168	4234879	75.424	ng		99
56) 4-Nitrophenol	14.531	139	720226	78.739	ng		98
57) 2,4-Dinitrotoluene	14.643	165	1200593	82.341	ng		98
58) Fluorene	15.319	166	3484502	76.824	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.901	232	970694	81.077	ng		100
60) Diethylphthalate	15.095	149	3799279	78.844	ng		98
61) 4-Chlorophenyl-phenyle...	15.313	204	1725059	77.784	ng		97
62) 4-Nitroaniline	15.372	138	875375	89.199	ng		96
63) Azobenzene	15.613	77	3426736	77.538	ng		99
65) 4,6-Dinitro-2-methylph...	15.425	198	728771	86.490	ng		96
66) n-Nitrosodiphenylamine	15.543	169	3044661	76.603	ng		98
67) 4-Bromophenyl-phenylether	16.231	248	1157878	80.026	ng		99
68) Hexachlorobenzene	16.348	284	1395074	79.535	ng		99
69) Atrazine	16.525	200	1168753	81.114	ng		98
70) Pentachlorophenol	16.707	266	817045	90.003	ng		99
71) Phenanthrene	17.095	178	5340604	75.365	ng		99
72) Anthracene	17.189	178	5555906	77.415	ng		99
73) Carbazole	17.478	167	5166153	77.661	ng		99
74) Di-n-butylphthalate	18.066	149	6583572	79.879	ng		99
75) Fluoranthene	19.189	202	6351620	77.333	ng		100
77) Benzidine	19.389	184	2849177	68.307	ng		100
78) Pyrene	19.572	202	6497989	77.229	ng		99
80) Butylbenzylphthalate	20.525	149	3175233	82.388	ng		98
81) Benzo(a)anthracene	21.466	228	6696396	77.741	ng		99
82) 3,3'-Dichlorobenzidine	21.395	252	2698352	78.907	ng		99
83) Chrysene	21.536	228	6294743	77.125	ng		99
84) Bis(2-ethylhexyl)phtha...	21.407	149	4578538	82.917	ng		98
85) Di-n-octyl phthalate	22.636	149	7936082	81.539	ng		100
87) Indeno(1,2,3-cd)pyrene	28.424	276	9013339	78.751	ng	#	93
88) Benzo(b)fluoranthene	23.713	252	7112180	79.224	ng		99
89) Benzo(k)fluoranthene	23.783	252	7179421	78.564	ng		100
90) Benzo(a)pyrene	24.595	252	6983429	79.653	ng		99
91) Dibenzo(a,h)anthracene	28.501	278	7356566	78.965	ng		100
92) Benzo(g,h,i)perylene	29.554	276	7260298	78.545	ng		98

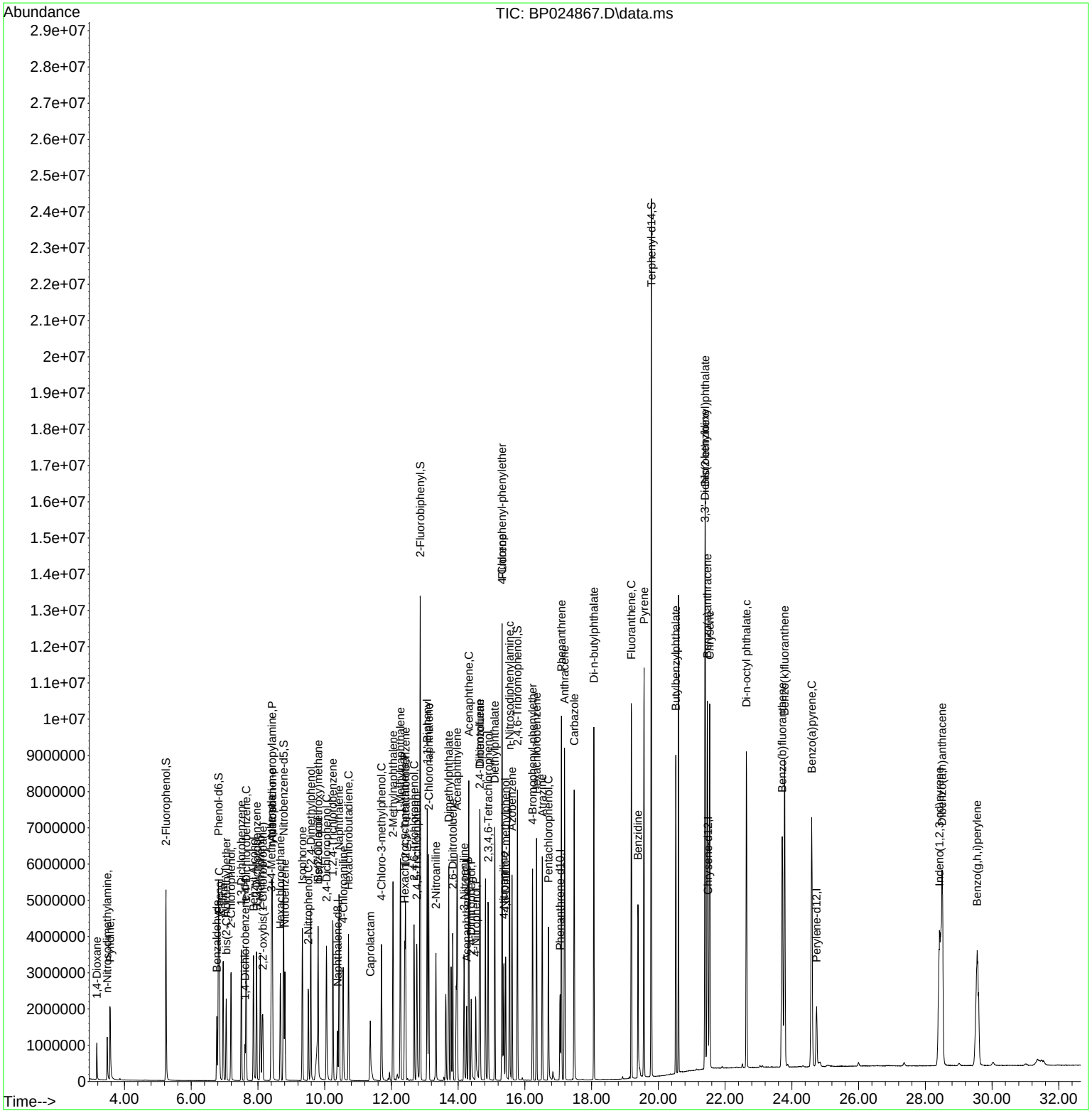
(#) = qualifier out of range (m) = manual integration (+) = signals summed

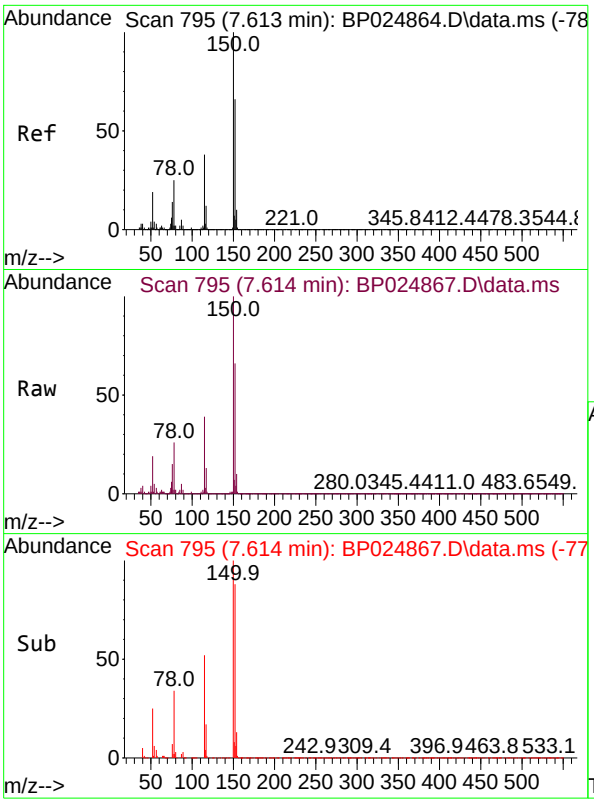
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



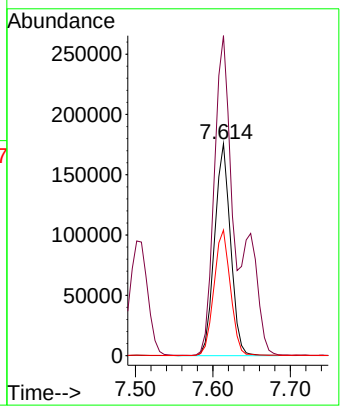


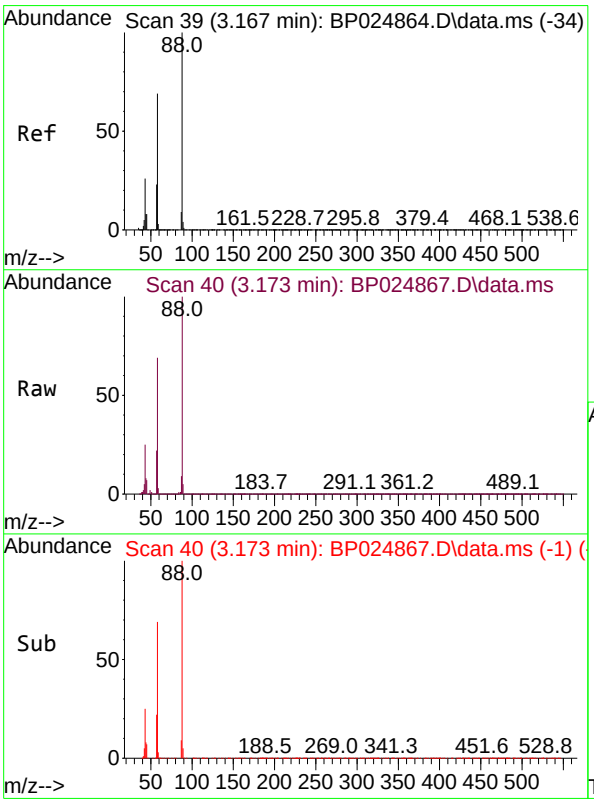
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.614 min Scan# 79
Delta R.T. 0.001 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 251656

Ion	Ratio	Lower	Upper
152	100		
150	151.0	122.1	183.1
115	59.2	46.4	69.6

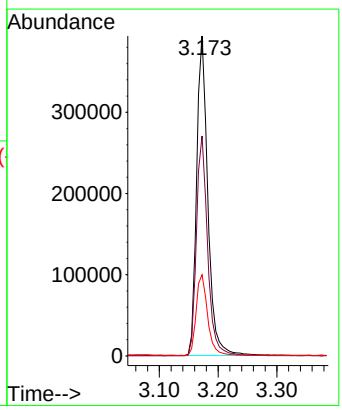


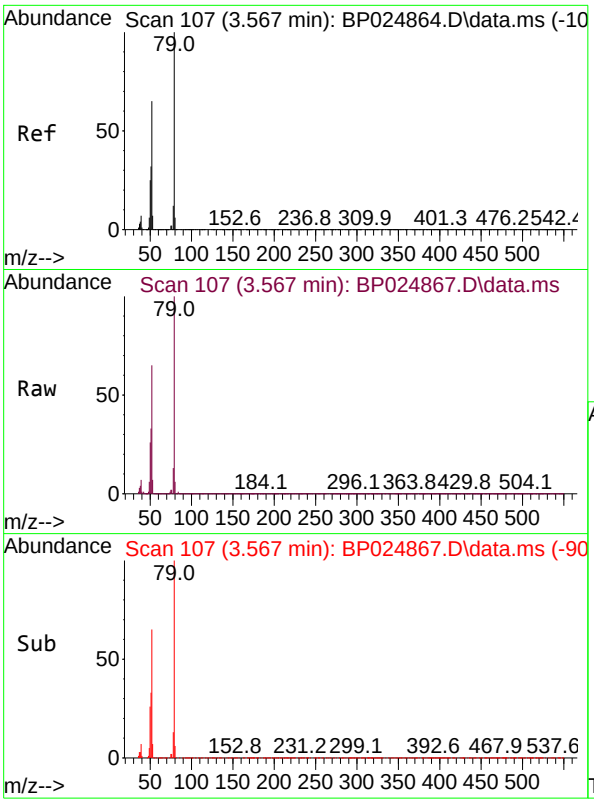


#2
1,4-Dioxane
Concen: 78.498 ng
RT: 3.173 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 88 Resp: 520741

Ion	Ratio	Lower	Upper
88	100		
58	69.2	55.4	83.0
43	26.0	20.8	31.2



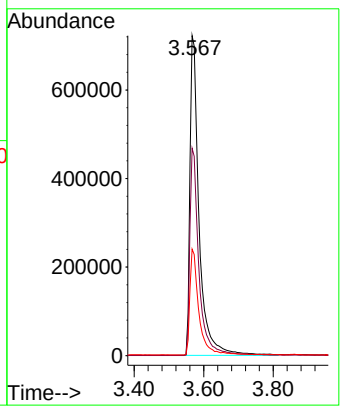


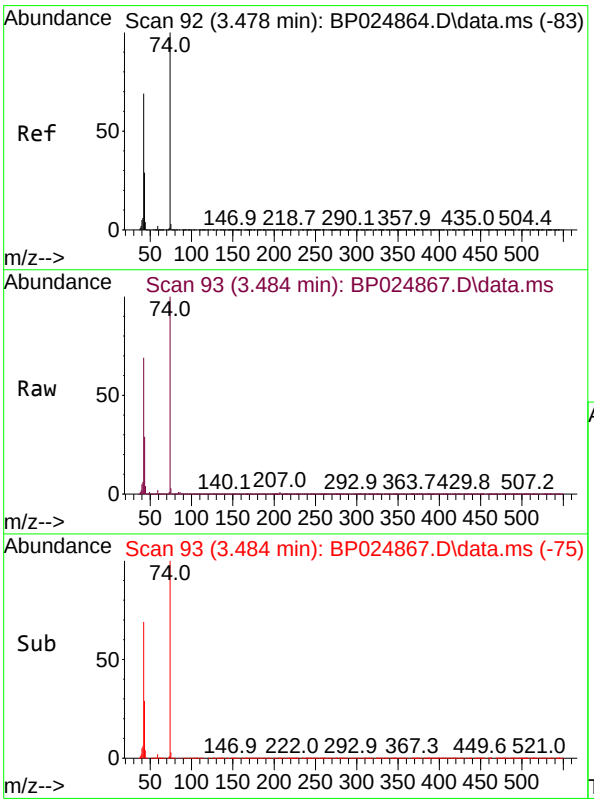
#3
Pyridine
Concen: 82.944 ng
RT: 3.567 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1323253

Ion	Ratio	Lower	Upper
79	100		
52	64.8	51.6	77.4
51	33.3	25.5	38.3

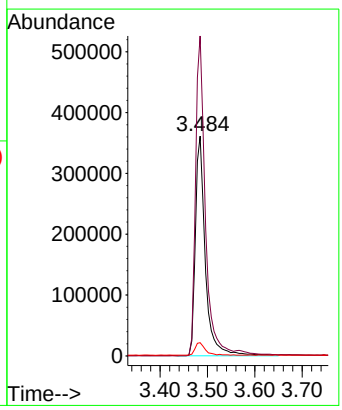


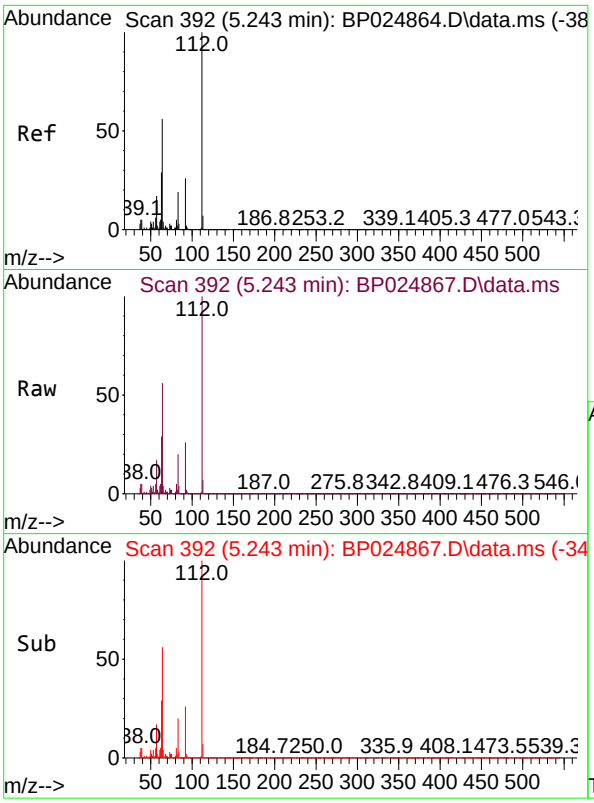


#4
n-Nitrosodimethylamine
Concen: 81.024 ng
RT: 3.484 min Scan# 93
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 42 Resp: 528461

Ion	Ratio	Lower	Upper
42	100		
74	145.7	116.6	174.8
44	6.0	5.4	8.0



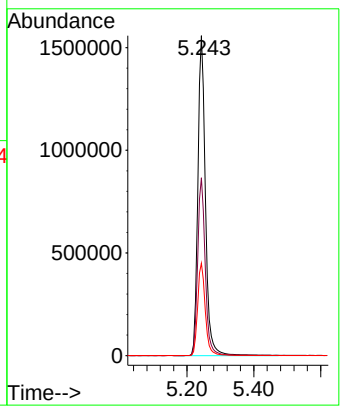


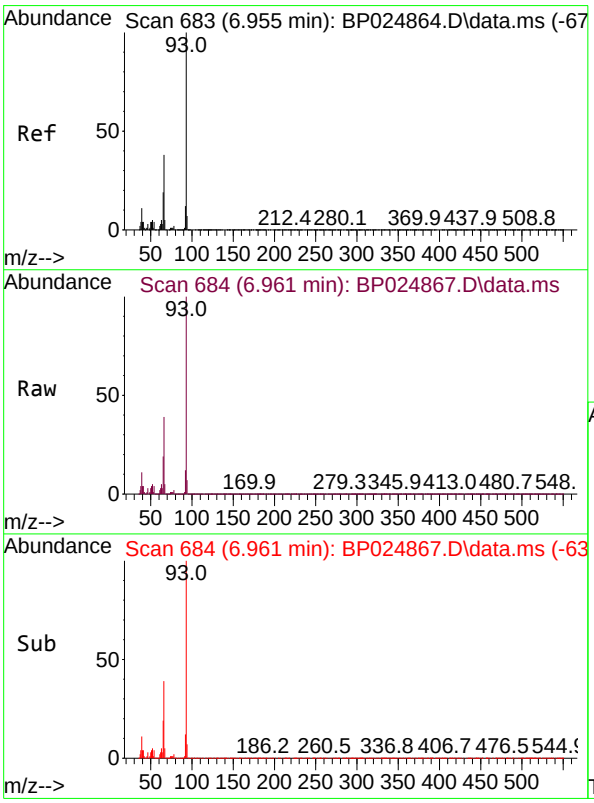
#5
2-Fluorophenol
Concen: 162.312 ng
RT: 5.243 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2447087

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.7	67.1
63	28.9	23.5	35.3

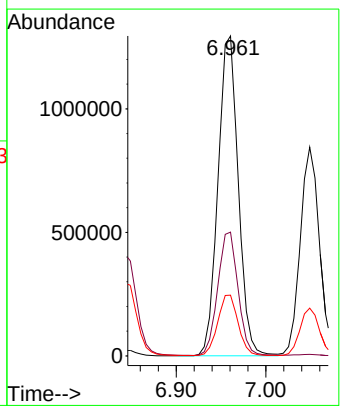


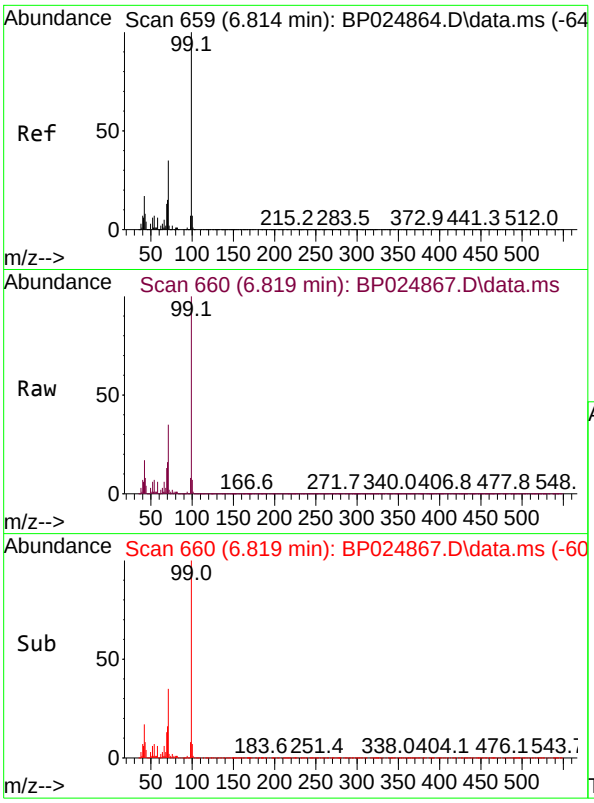


#6
Aniline
Concen: 80.328 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 93 Resp: 2044864

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.0	15.5	23.3



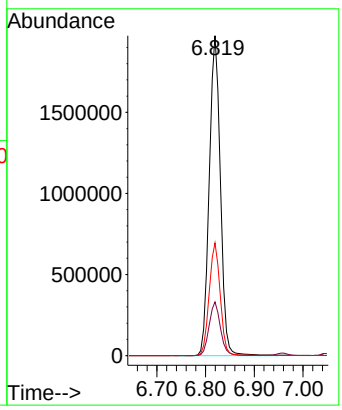


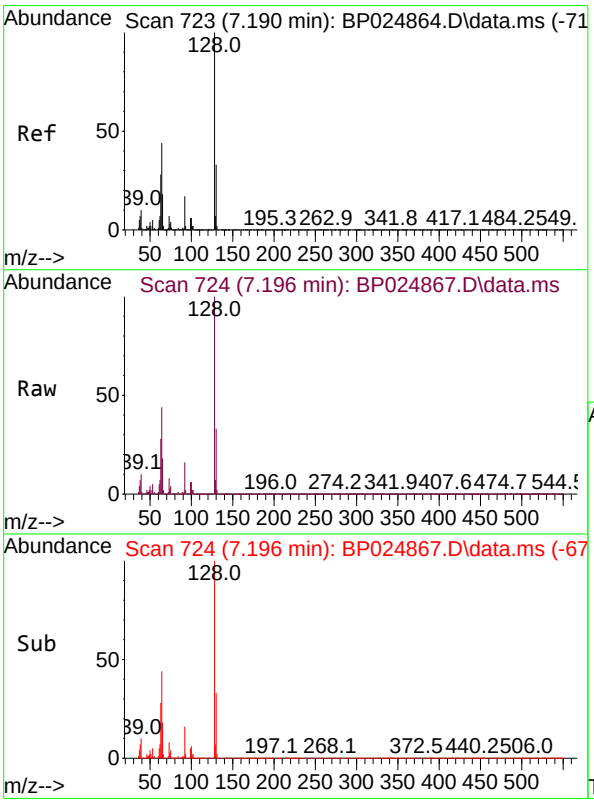
#7
Phenol-d6
Concen: 157.892 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3149578

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.2
71	35.2	27.6	41.4

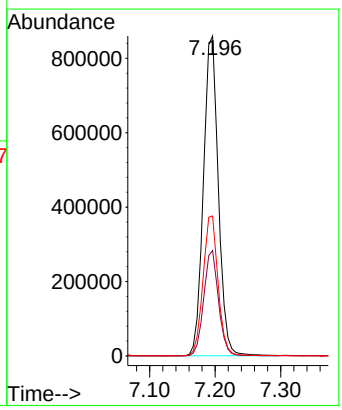


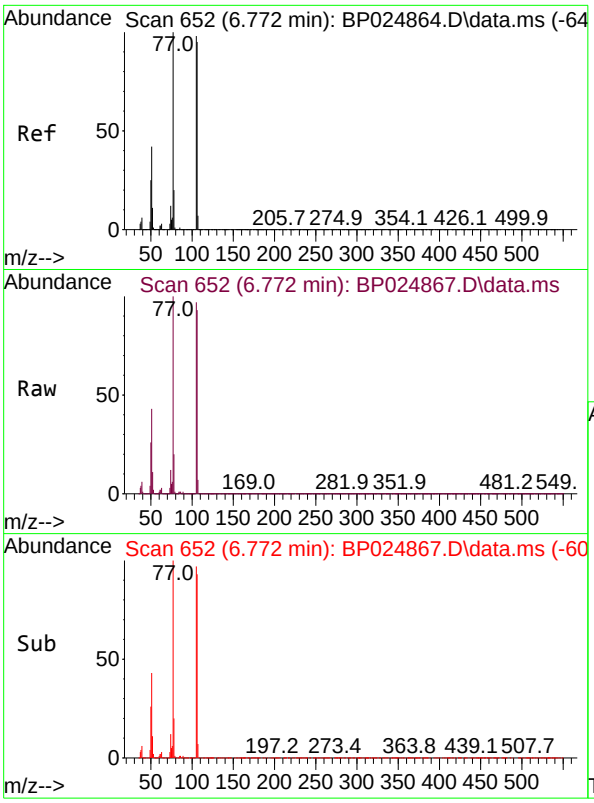


#8
2-Chlorophenol
Concen: 79.405 ng
RT: 7.196 min Scan# 724
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:128 Resp: 1357118

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.7	24.1	64.1



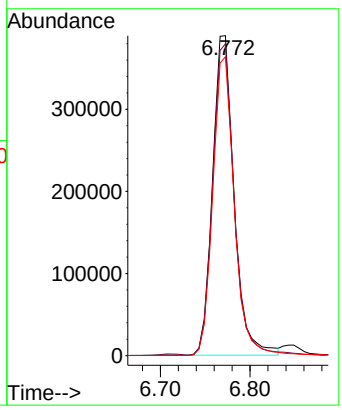


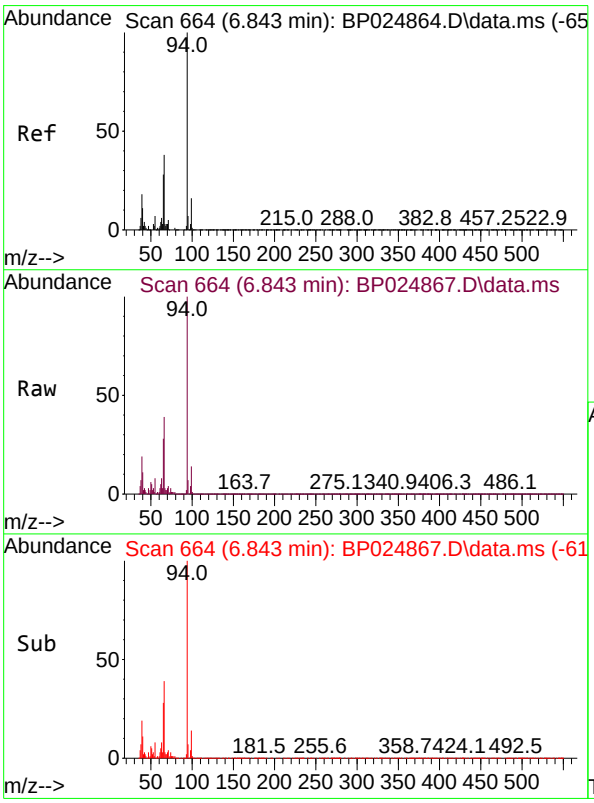
#9
Benzaldehyde
Concen: 56.412 ng
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 650456

Ion	Ratio	Lower	Upper
77	100		
105	97.4	77.7	117.7
106	93.4	74.8	114.8

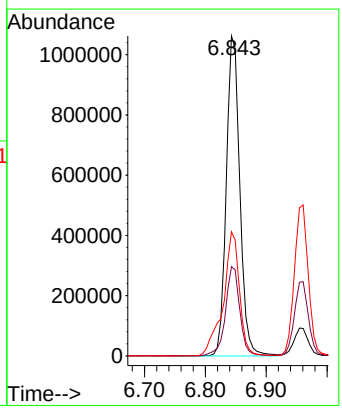


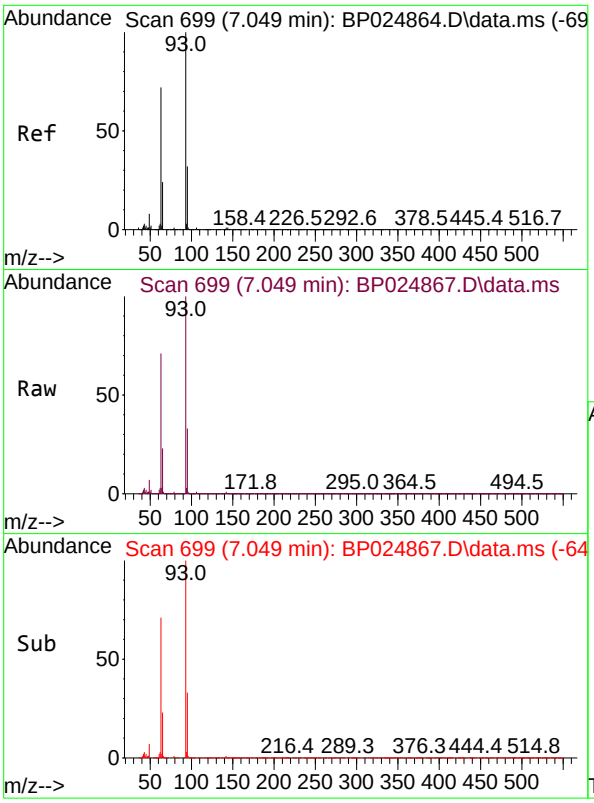


#10
Phenol
Concen: 79.761 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 94 Resp: 1640201

Ion	Ratio	Lower	Upper
94	100		
65	27.9	8.3	48.3
66	38.8	18.2	58.2



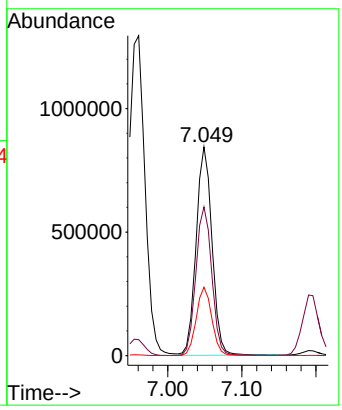


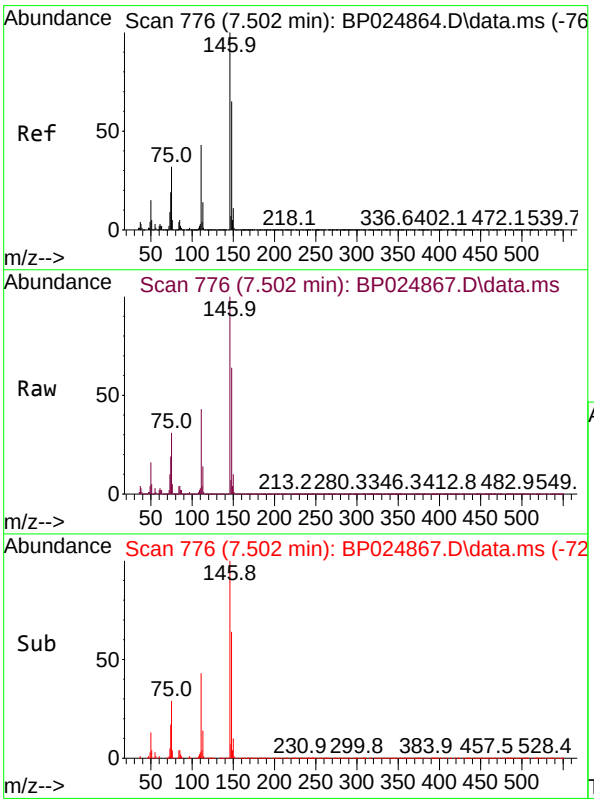
#11
bis(2-Chloroethyl)ether
Concen: 77.563 ng
RT: 7.049 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1254500

Ion	Ratio	Lower	Upper
93	100		
63	71.2	51.6	91.6
95	32.8	12.1	52.1

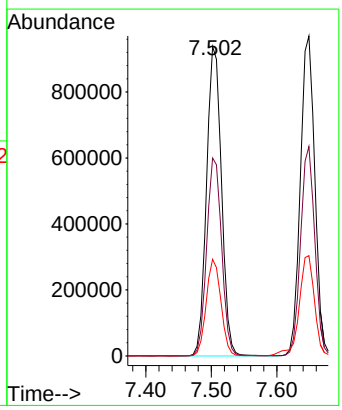


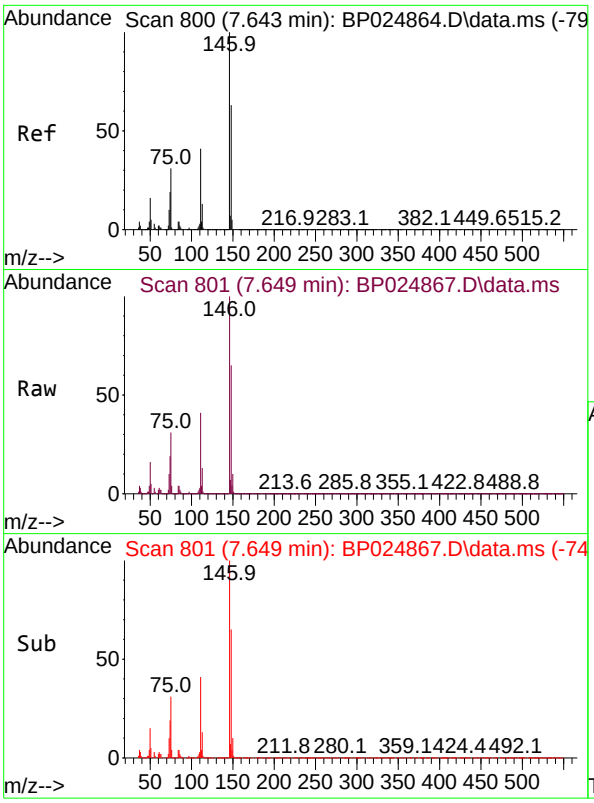


#12
1,3-Dichlorobenzene
Concen: 77.650 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:146 Resp: 1480514

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
75	31.2	25.3	37.9



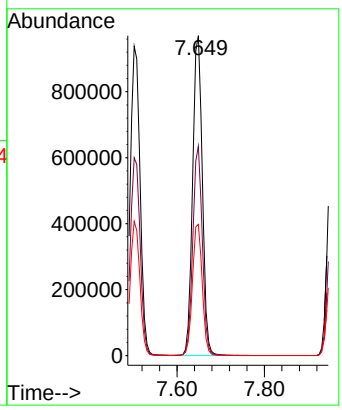


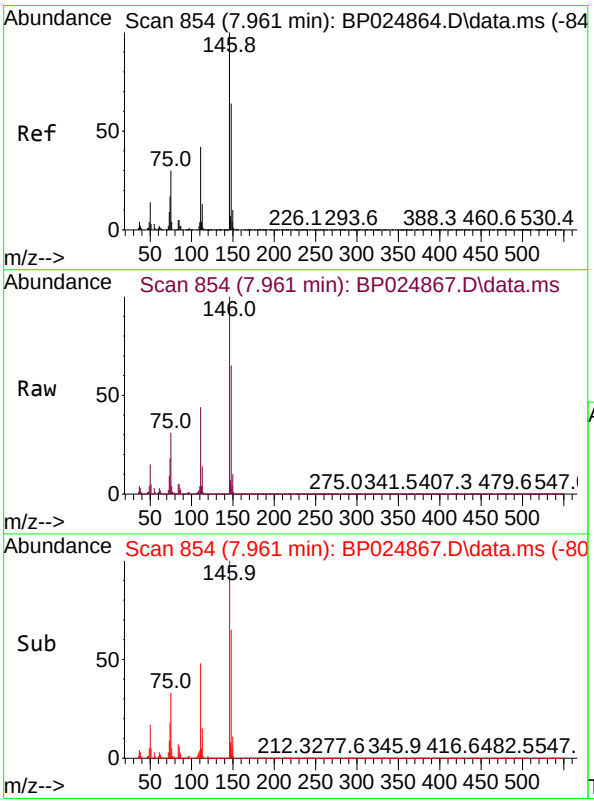
#13
1,4-Dichlorobenzene
Concen: 77.862 ng
RT: 7.649 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1497910

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.8	76.2
111	41.0	32.7	49.1

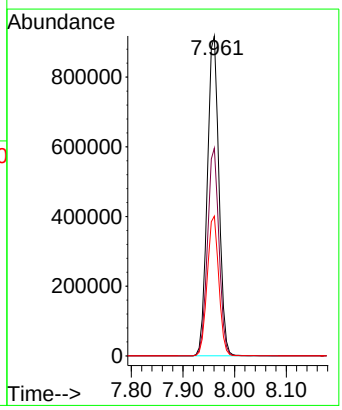


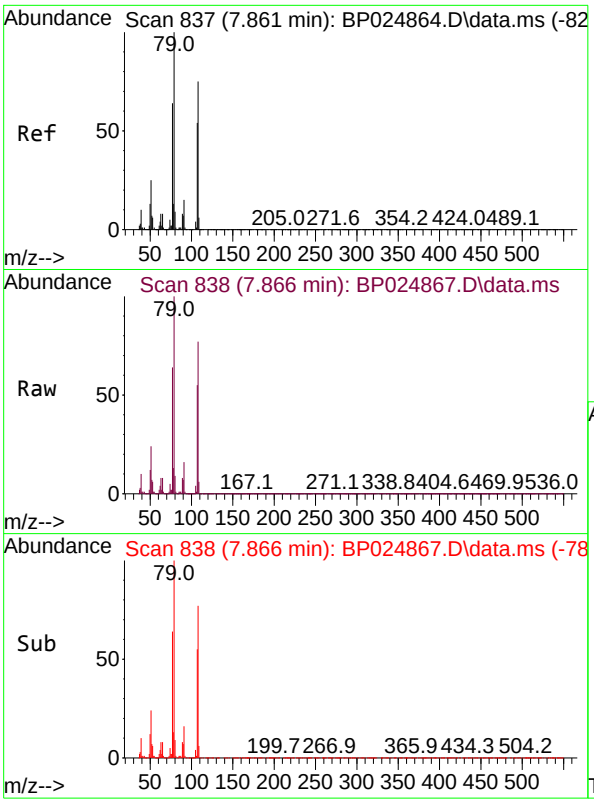


#14
1,2-Dichlorobenzene
Concen: 75.771 ng
RT: 7.961 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:146 Resp: 1431405

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.4
111	43.7	33.8	50.8



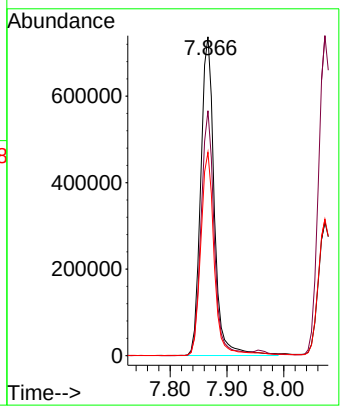


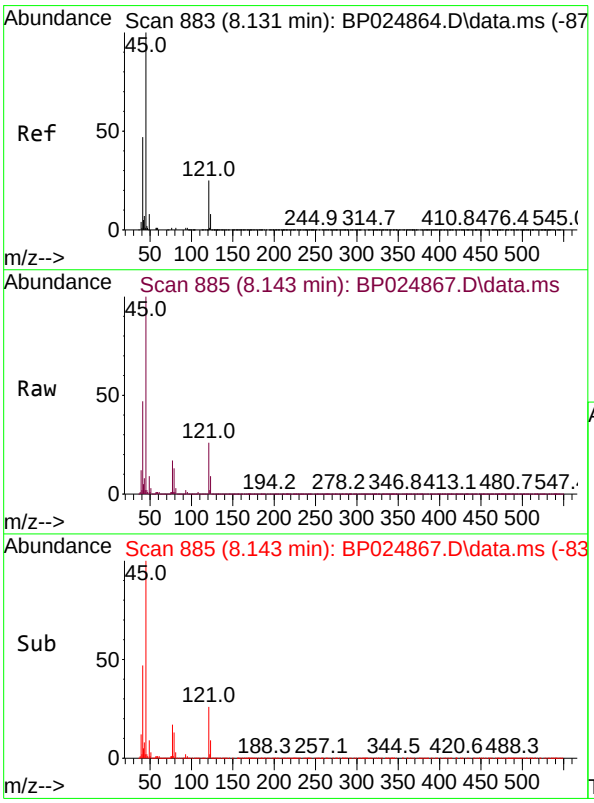
#15
Benzyl Alcohol
Concen: 79.620 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1218925

Ion	Ratio	Lower	Upper
79	100		
108	76.8	60.2	90.4
77	63.8	51.2	76.8

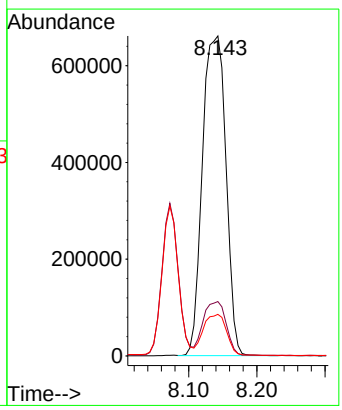


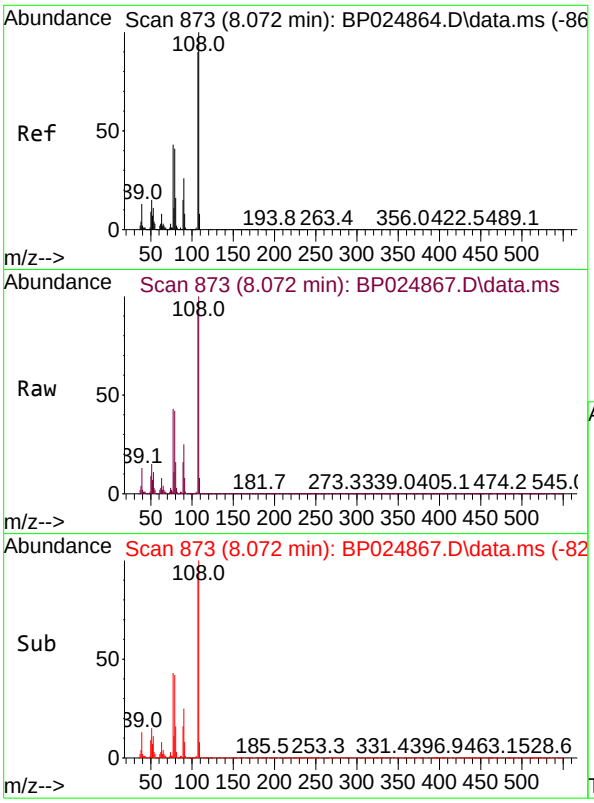


#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.829 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 45 Resp: 1584064

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	36.3
79	13.0	0.0	32.2



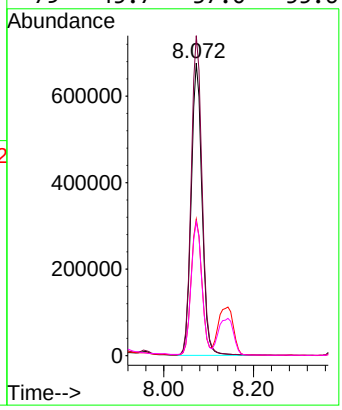


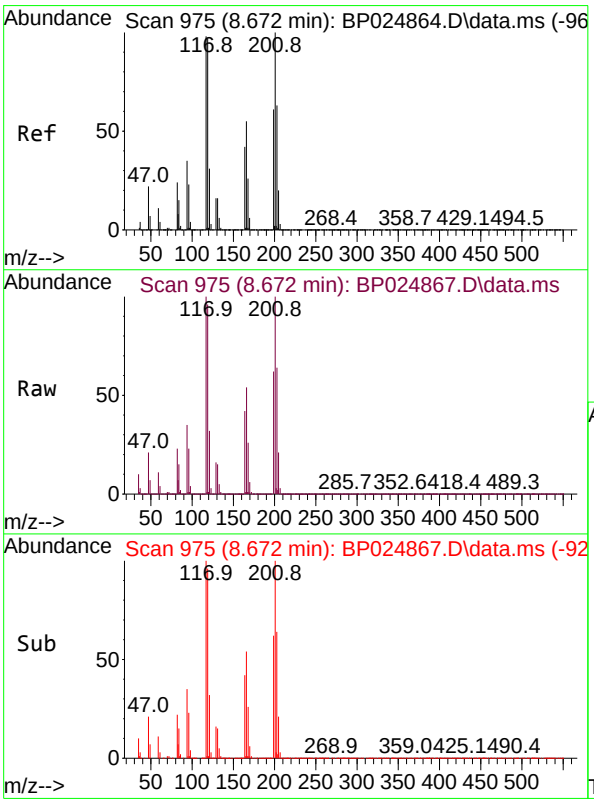
#17
2-Methylphenol
Concen: 78.611 ng
RT: 8.072 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1128854

Ion	Ratio	Lower	Upper
107	100		
108	109.4	88.6	132.8
77	46.6	38.5	57.7
79	45.7	37.0	55.6

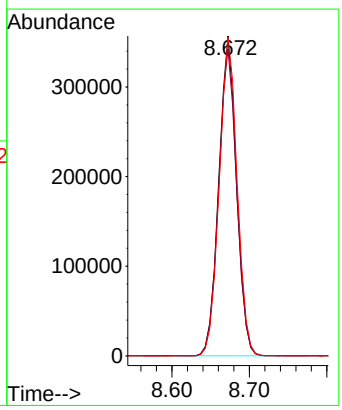


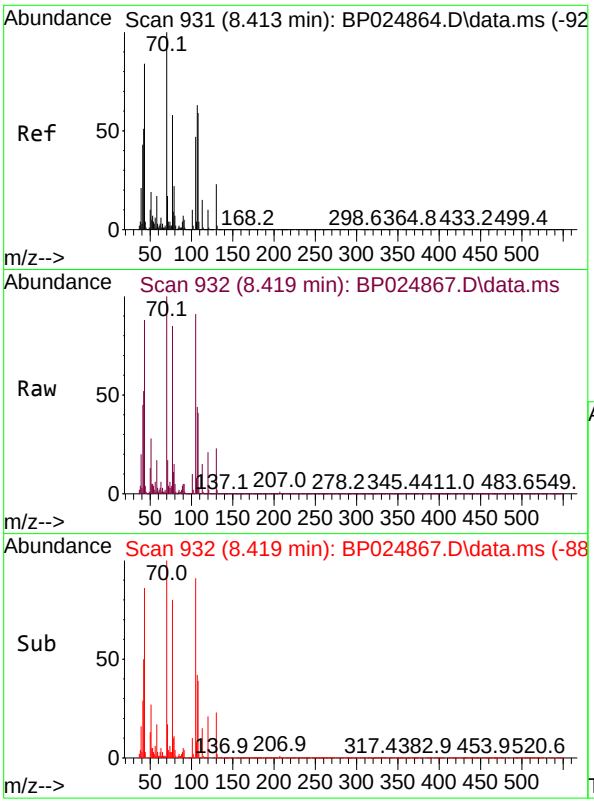


#18
Hexachloroethane
Concen: 78.169 ng
RT: 8.672 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:117 Resp: 566168

Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.4	119.2
201	99.6	81.4	122.2



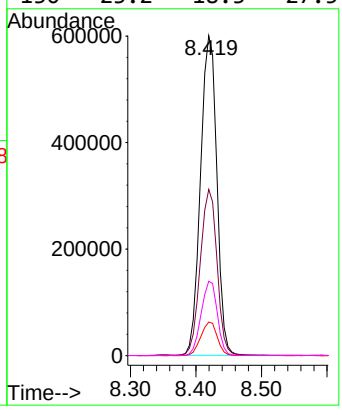


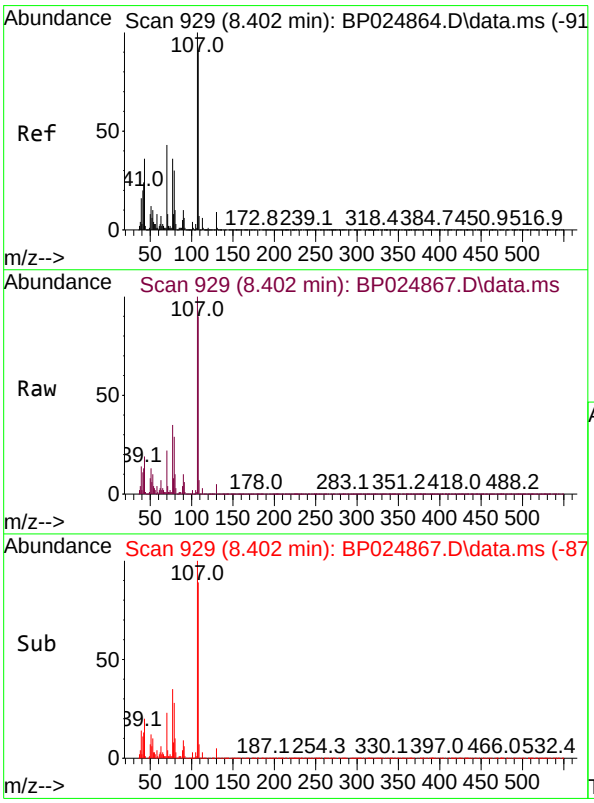
#19
n-Nitroso-di-n-propylamine
Concen: 76.374 ng
RT: 8.419 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 1035677

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.2	61.8
101	10.5	8.3	12.5
130	23.2	18.3	27.5

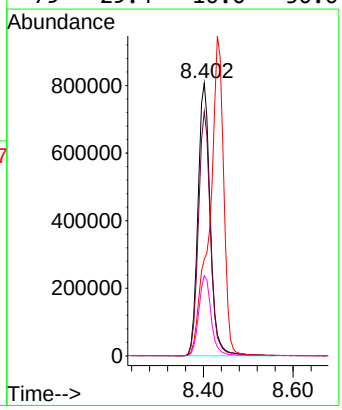


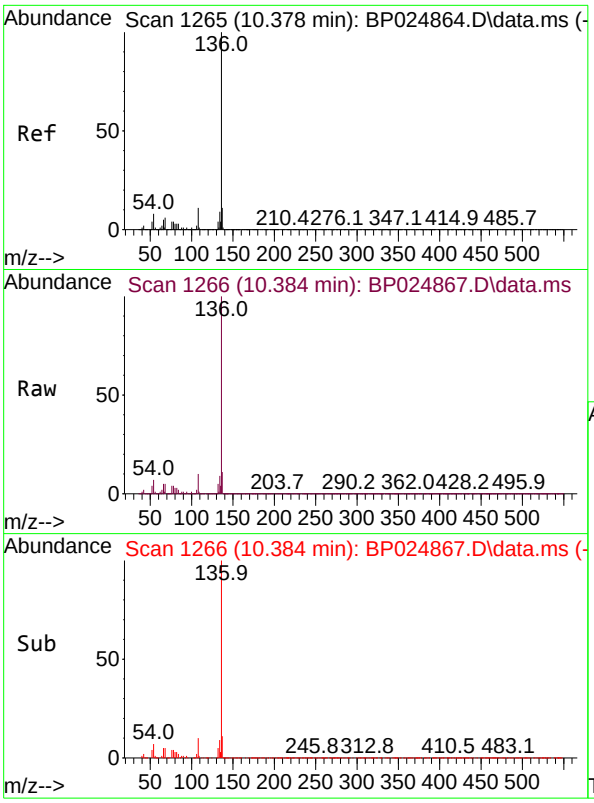


#20
3+4-Methylphenols
Concen: 77.821 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:107 Resp: 1524653

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.7	110.7
77	35.4	16.6	56.6
79	29.4	10.0	50.0



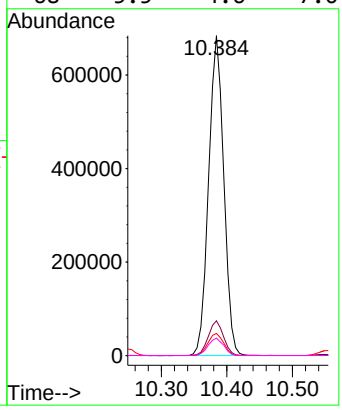


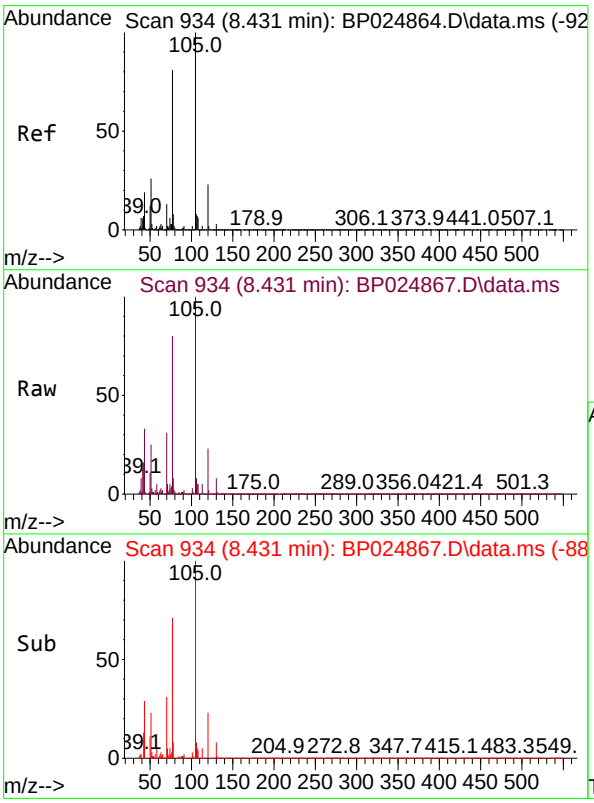
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1097725

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.9	6.1	9.1
68	5.5	4.6	7.0

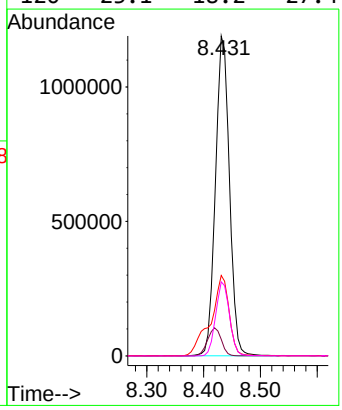


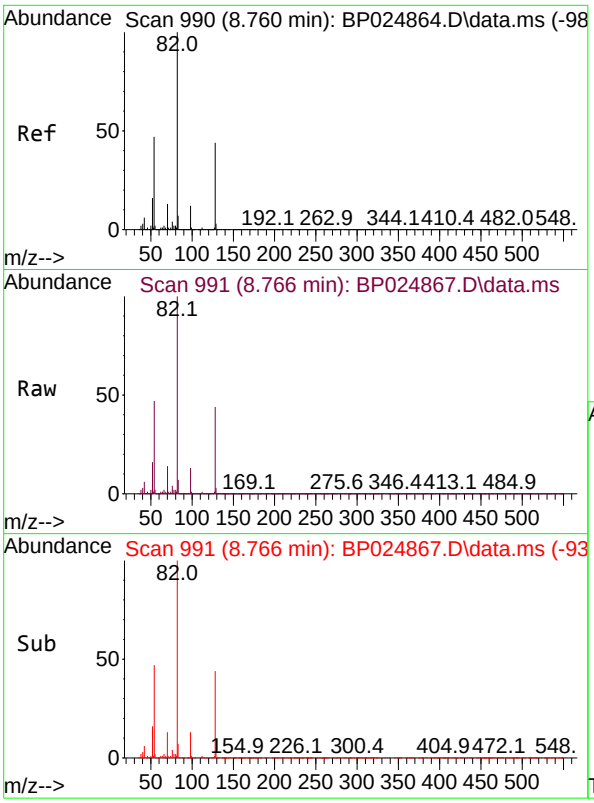


#22
Acetophenone
Concen: 73.305 ng
RT: 8.431 min Scan# 934
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:105 Resp: 2033065

Ion	Ratio	Lower	Upper
105	100		
71	5.2	1.6	2.4#
51	25.1	20.6	31.0
120	23.1	18.2	27.4



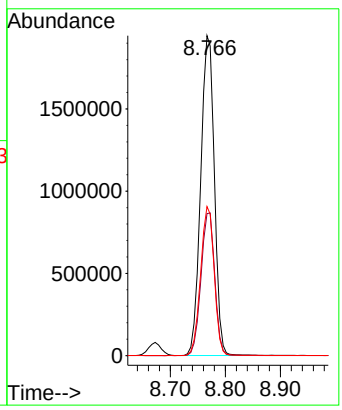


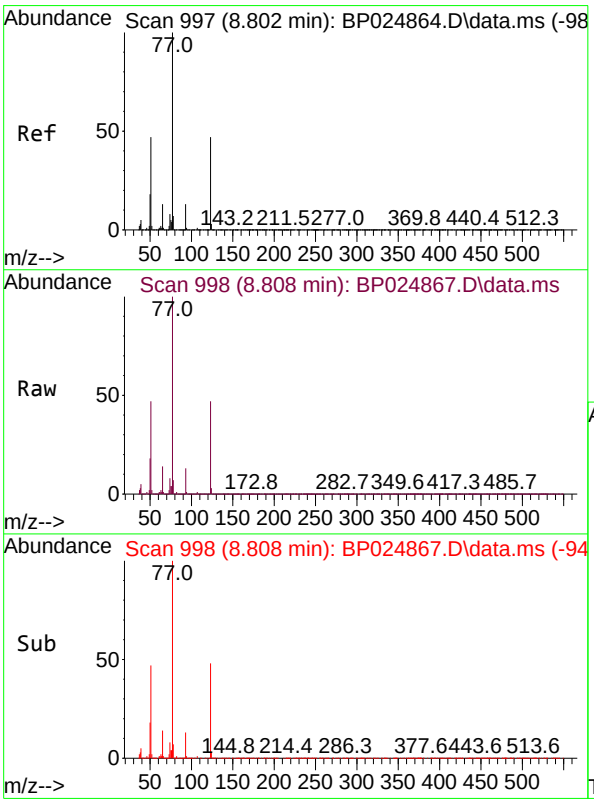
#23
Nitrobenzene-d5
Concen: 148.903 ng
RT: 8.766 min Scan# 99
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3363733

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.3	52.9
54	46.6	37.4	56.0

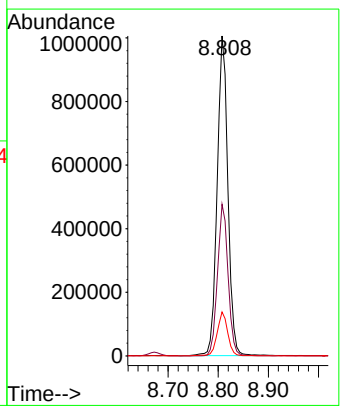


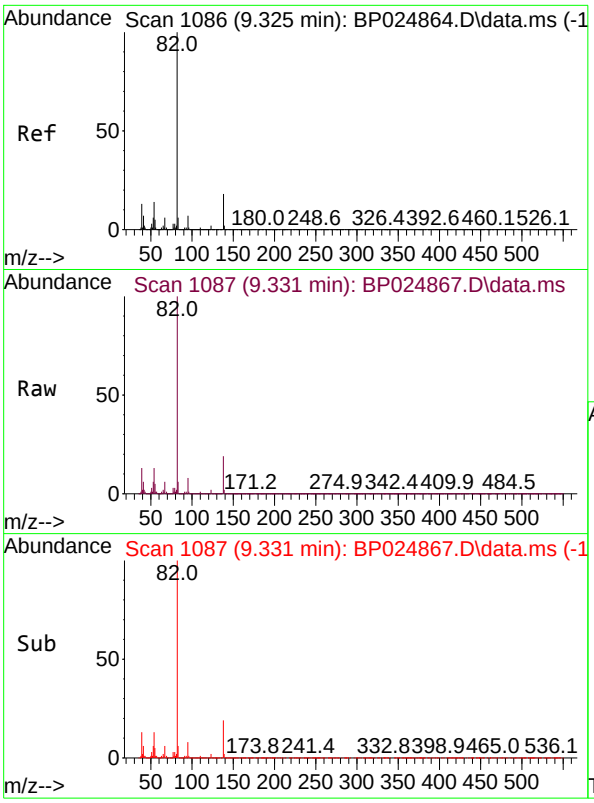


#24
Nitrobenzene
Concen: 74.236 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 77 Resp: 1489831

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.3	55.9
65	13.7	10.8	16.2



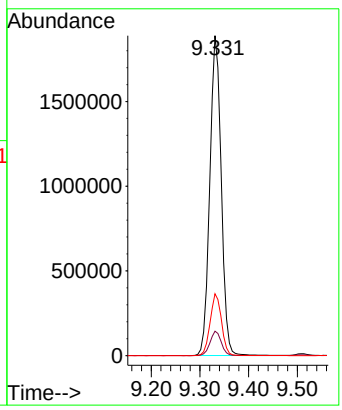


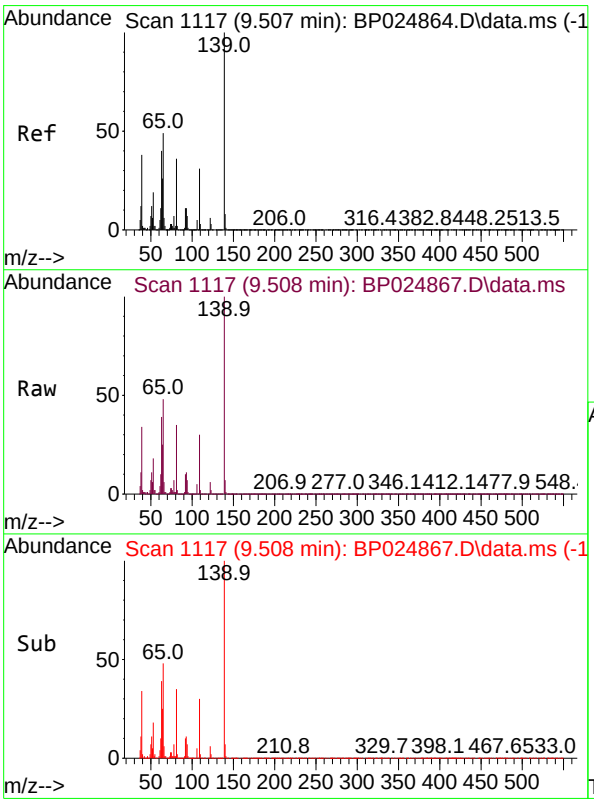
#25
Isophorone
Concen: 78.936 ng
RT: 9.331 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3090456

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	19.3	14.6	21.8

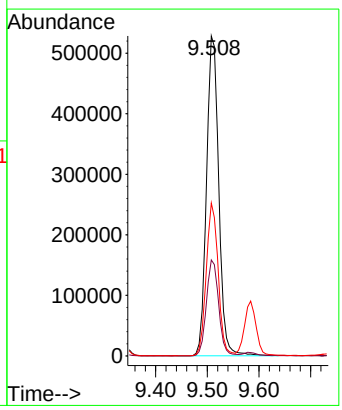


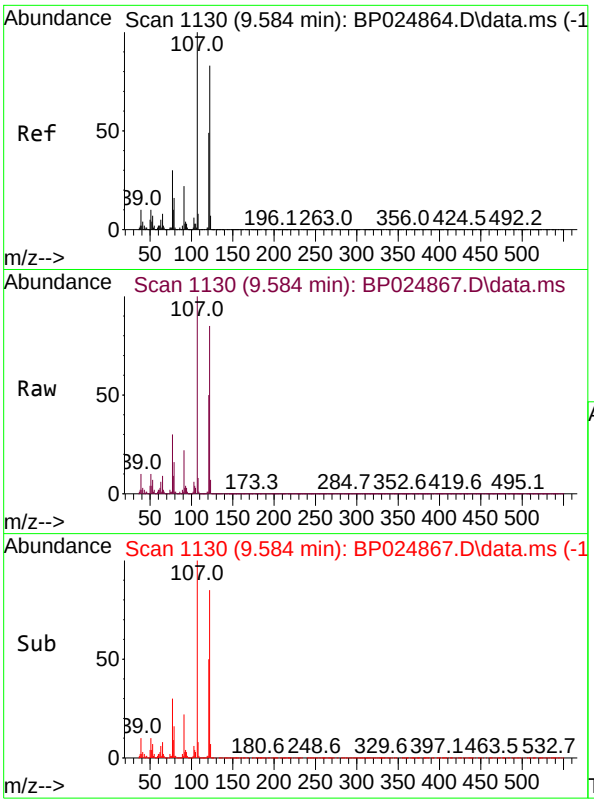


#26
2-Nitrophenol
Concen: 87.932 ng
RT: 9.508 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:139 Resp: 870704

Ion	Ratio	Lower	Upper
139	100		
109	30.0	24.6	37.0
65	47.8	39.5	59.3



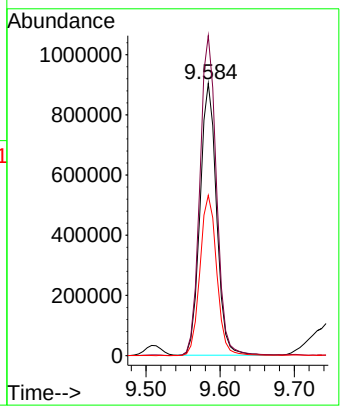


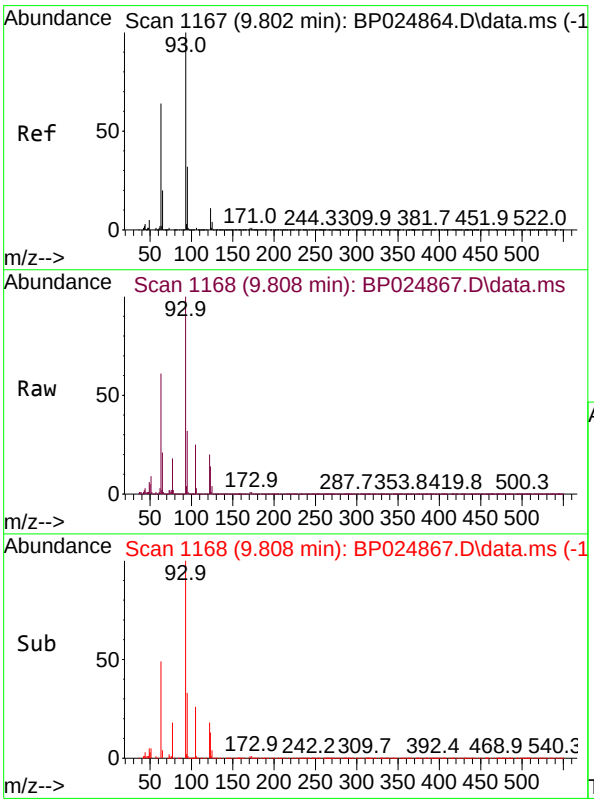
#27
2,4-Dimethylphenol
Concen: 82.403 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1396457

Ion	Ratio	Lower	Upper
122	100		
107	117.5	96.2	144.4
121	58.8	47.0	70.4

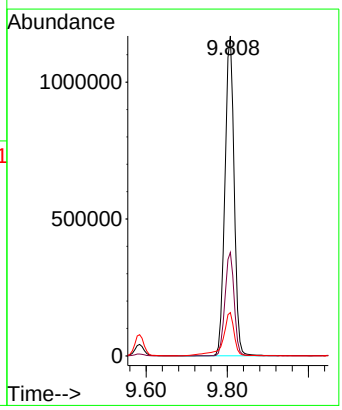


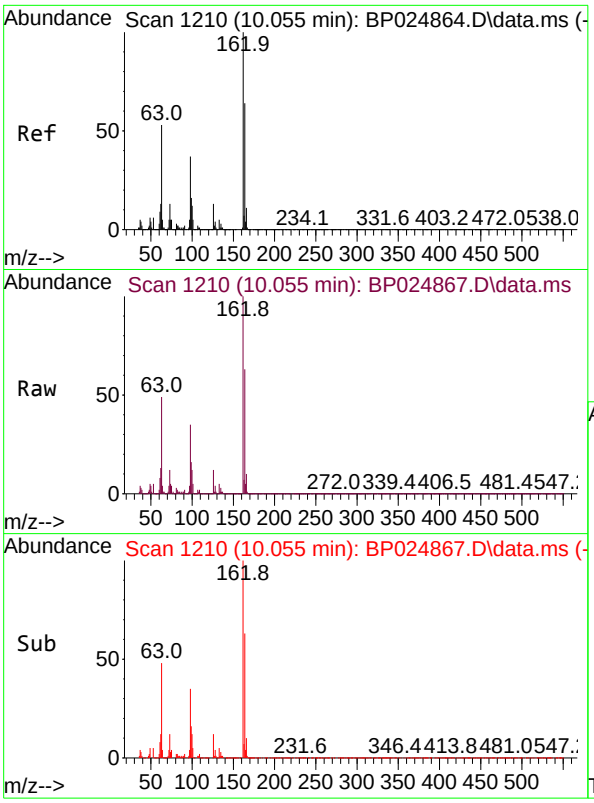


#28
bis(2-Chloroethoxy)methane
Concen: 78.289 ng
RT: 9.808 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 93 Resp: 1828377

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	13.5	9.2	13.8



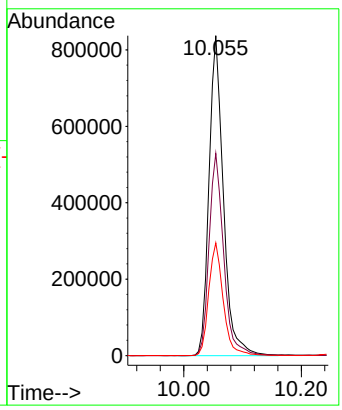


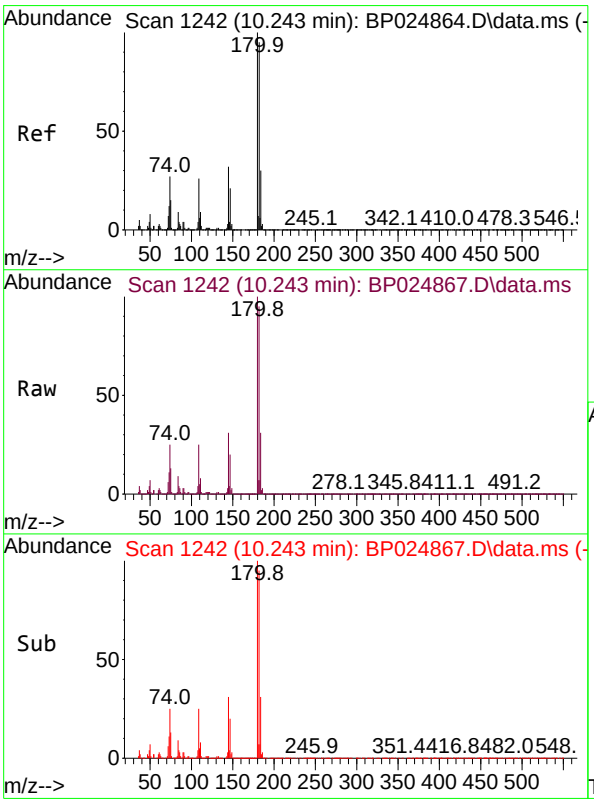
#29
2,4-Dichlorophenol
Concen: 87.313 ng
RT: 10.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1419757

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	35.2	16.9	56.9

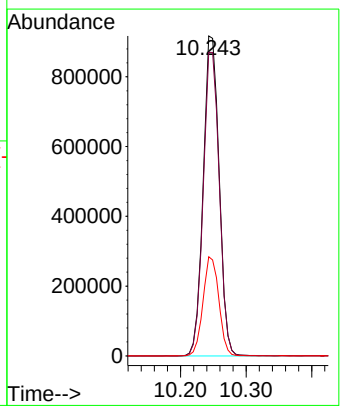


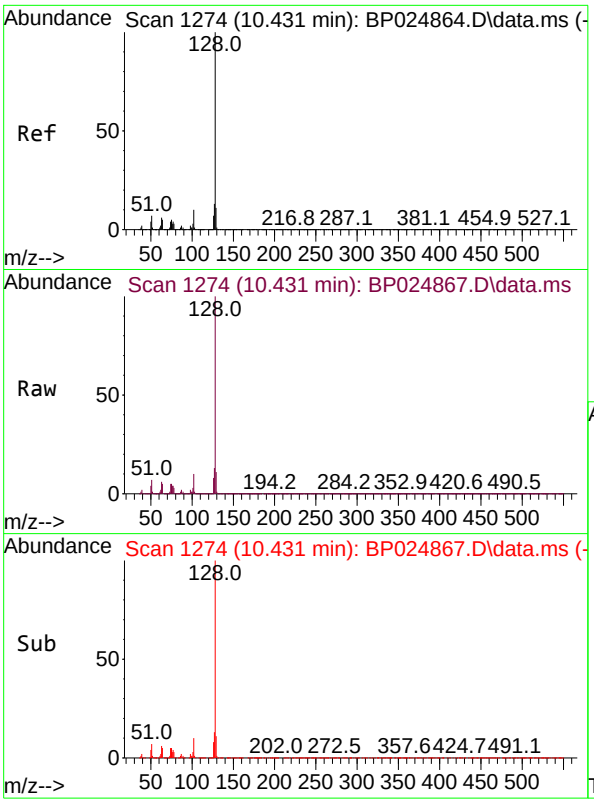


#30
1,2,4-Trichlorobenzene
Concen: 84.080 ng
RT: 10.243 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:180 Resp: 1542041

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	31.0	25.7	38.5



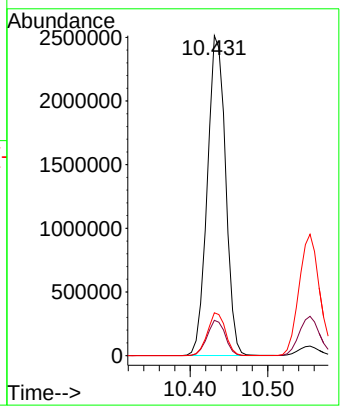


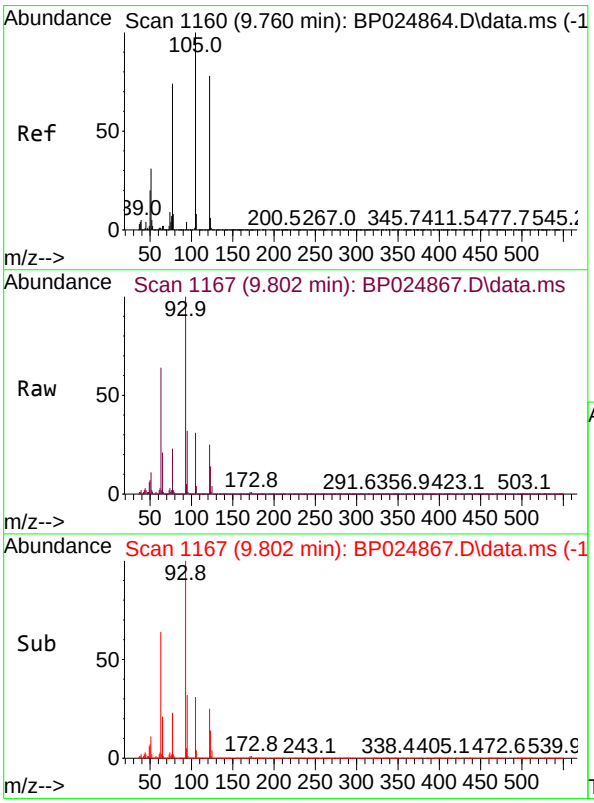
#31
Naphthalene
Concen: 72.957 ng
RT: 10.431 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4104122

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.4	10.7	16.1

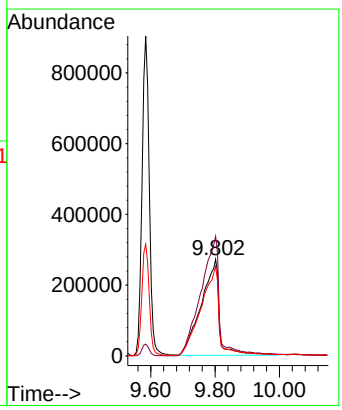


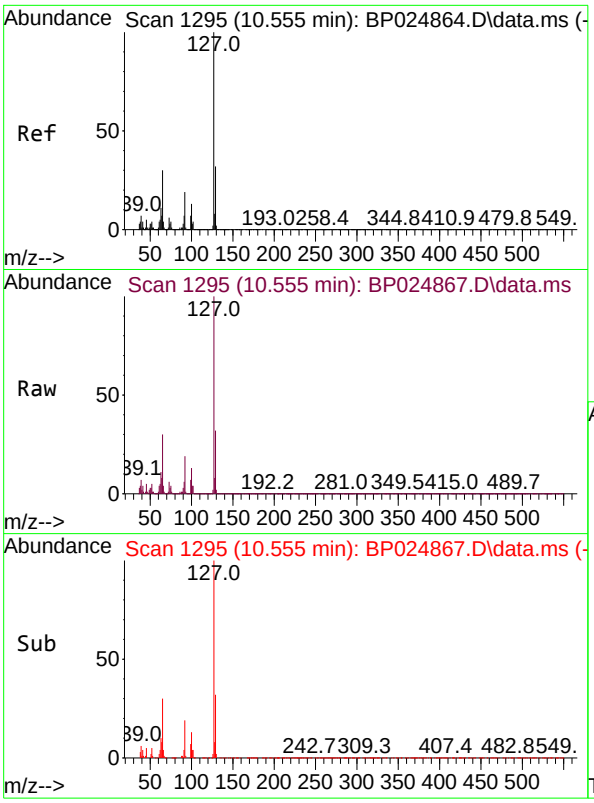


#32
Benzoic acid
Concen: 94.314 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.041 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:122 Resp: 1065621

Ion	Ratio	Lower	Upper
122	100		
105	123.9	107.1	147.1
77	92.6	75.1	115.1



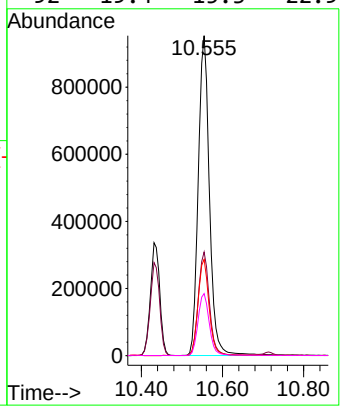


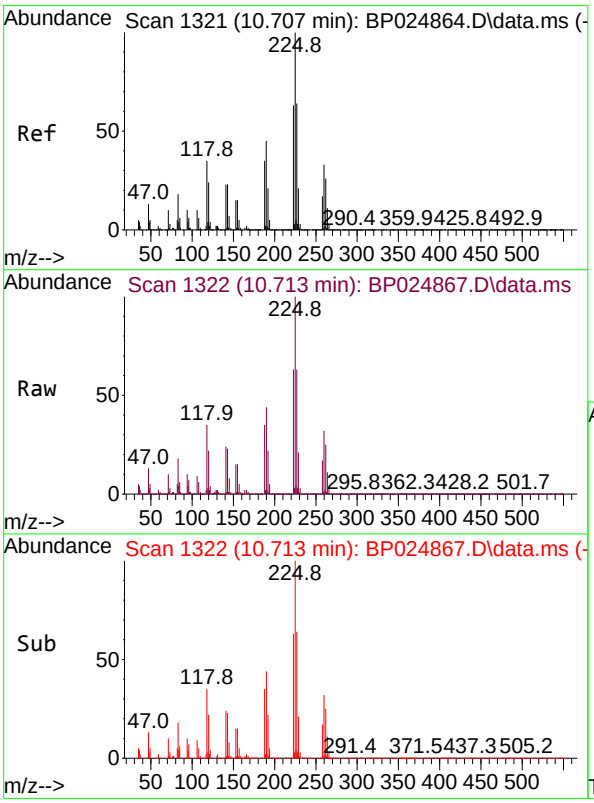
#33
4-Chloroaniline
Concen: 77.087 ng
RT: 10.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1816811

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	30.1	23.9	35.9
92	19.4	15.3	22.9

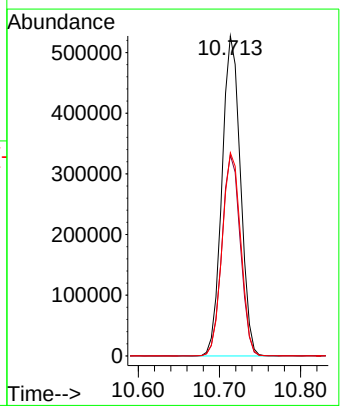


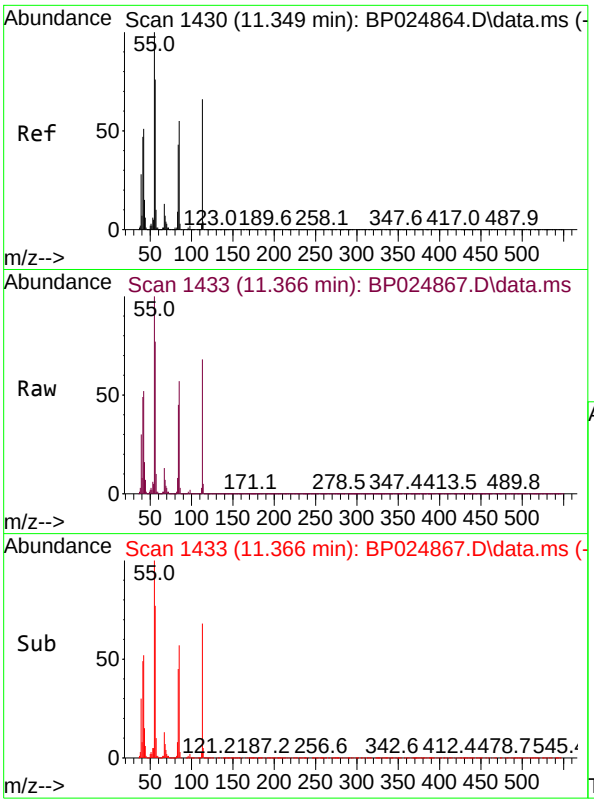


#34
Hexachlorobutadiene
Concen: 75.174 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:225 Resp: 830962

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.5	75.7
227	63.5	51.4	77.2



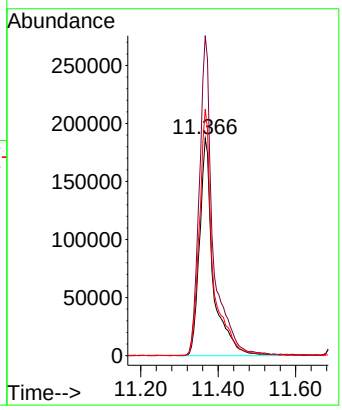


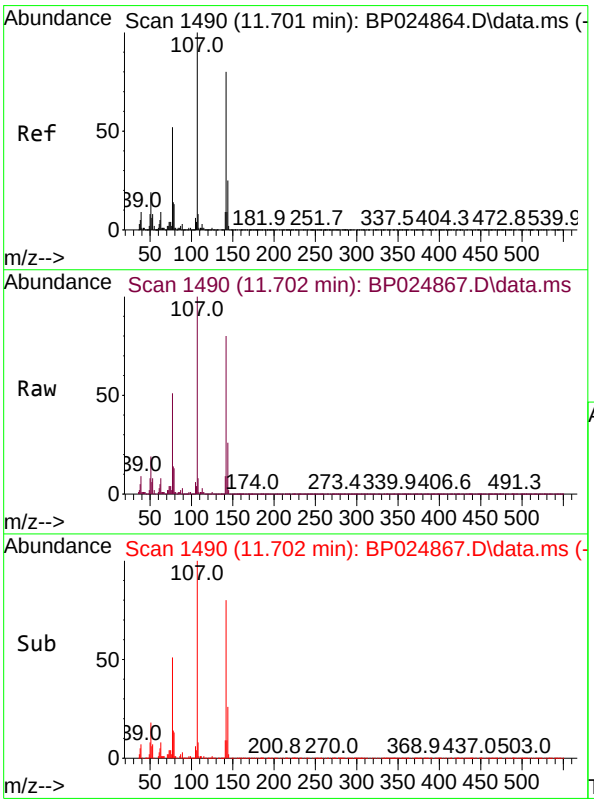
#35
Caprolactam
Concen: 76.358 ng
RT: 11.366 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 457044

Ion	Ratio	Lower	Upper
113	100		
55	147.3	132.5	172.5
56	113.4	96.0	136.0

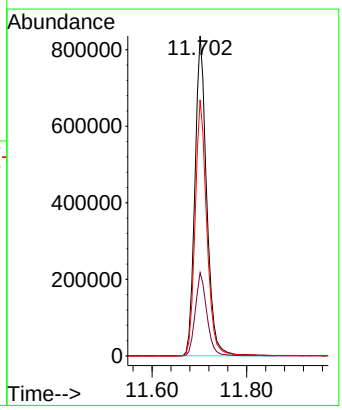


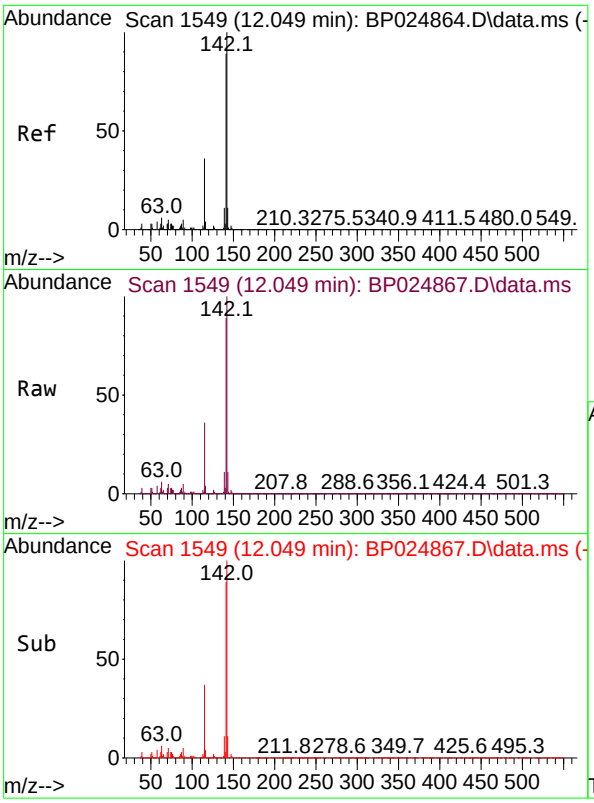


#36
4-Chloro-3-methylphenol
Concen: 76.925 ng
RT: 11.702 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:107 Resp: 1442747

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.4	30.6
142	80.0	63.8	95.6



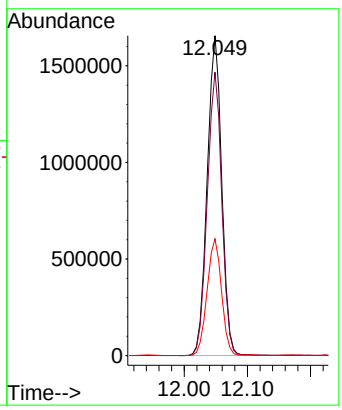


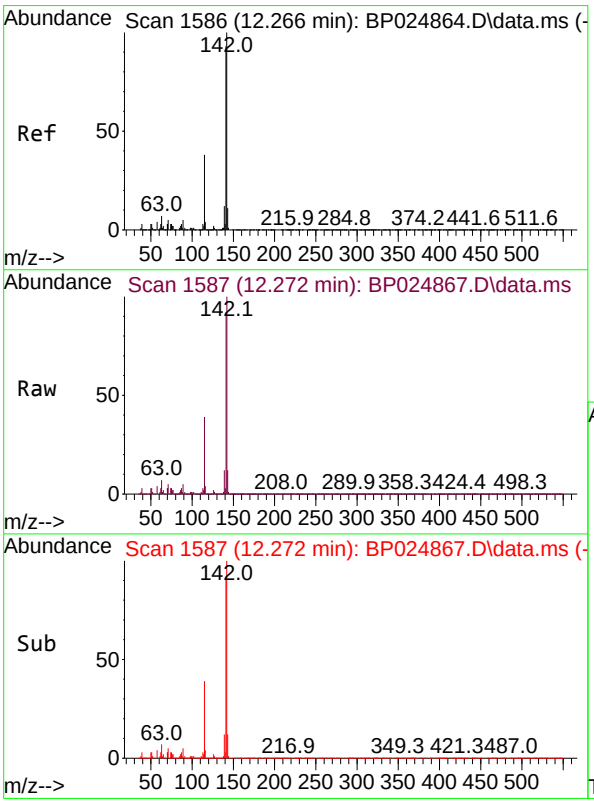
#37
2-Methylnaphthalene
Concen: 74.062 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2642800

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.2	106.8
115	36.5	28.5	42.7

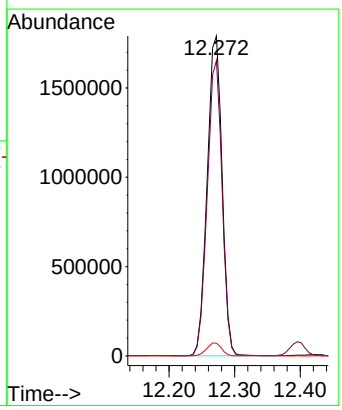


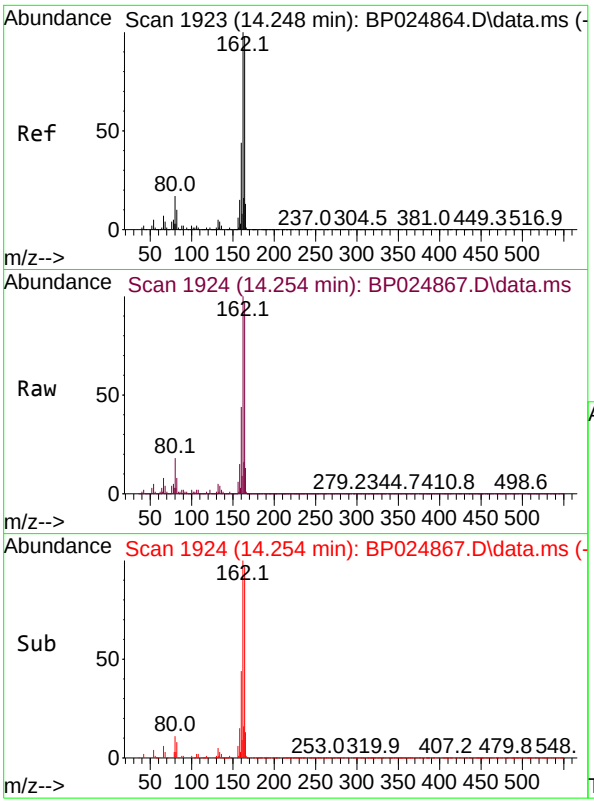


#38
1-Methylnaphthalene
Concen: 73.955 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:142 Resp: 2821350

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.7	112.1
116	4.0	3.4	5.0



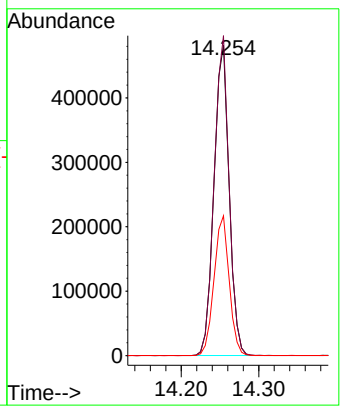


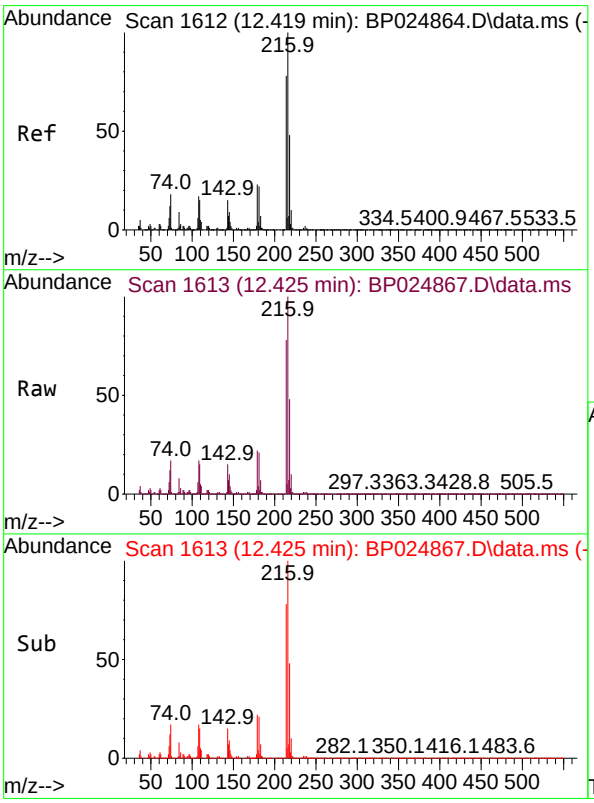
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 655445

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.6	122.4
160	45.0	36.2	54.2

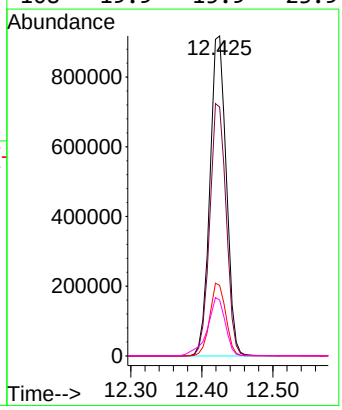


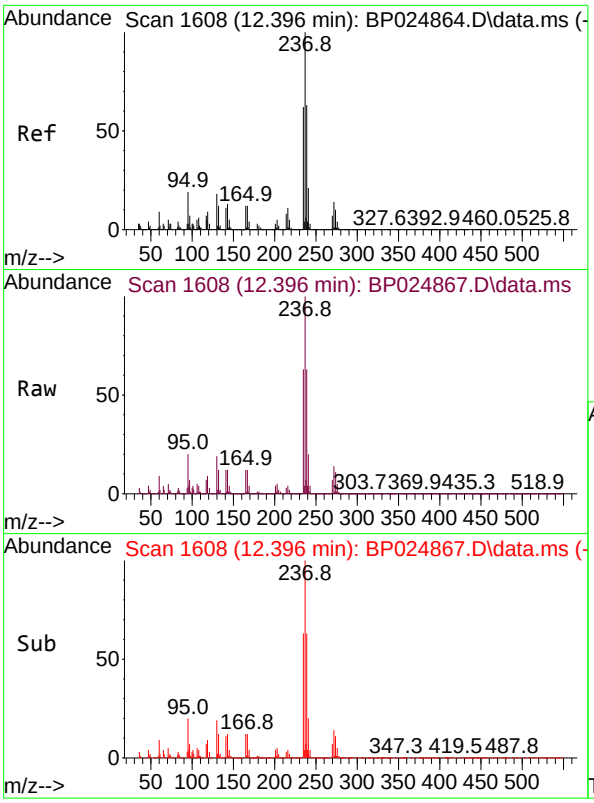


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.160 ng
RT: 12.425 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:216 Resp: 1472269

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	22.3	17.8	26.6
108	19.9	15.9	23.9



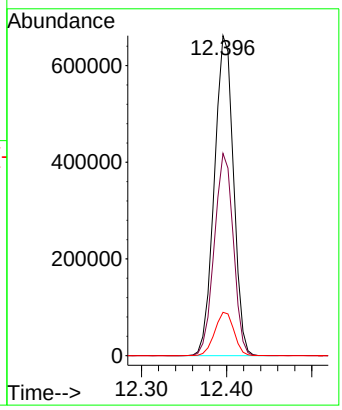


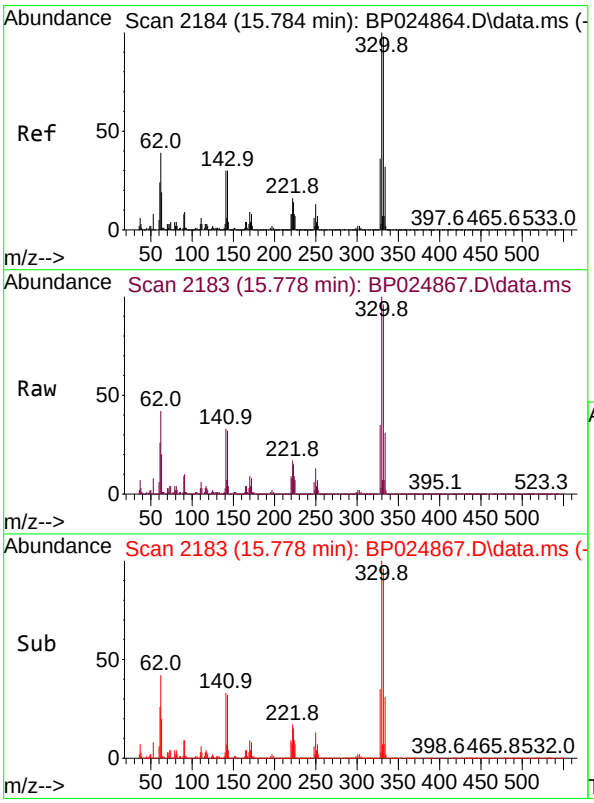
#41
Hexachlorocyclopentadiene
Concen: 90.970 ng
RT: 12.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 1031961

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.9	81.9
272	13.5	0.0	33.7

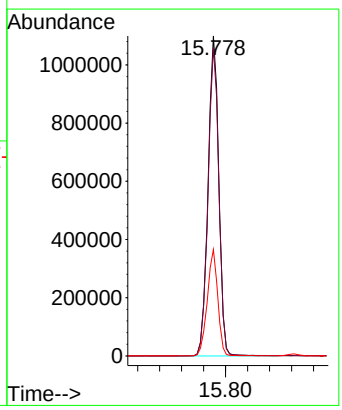


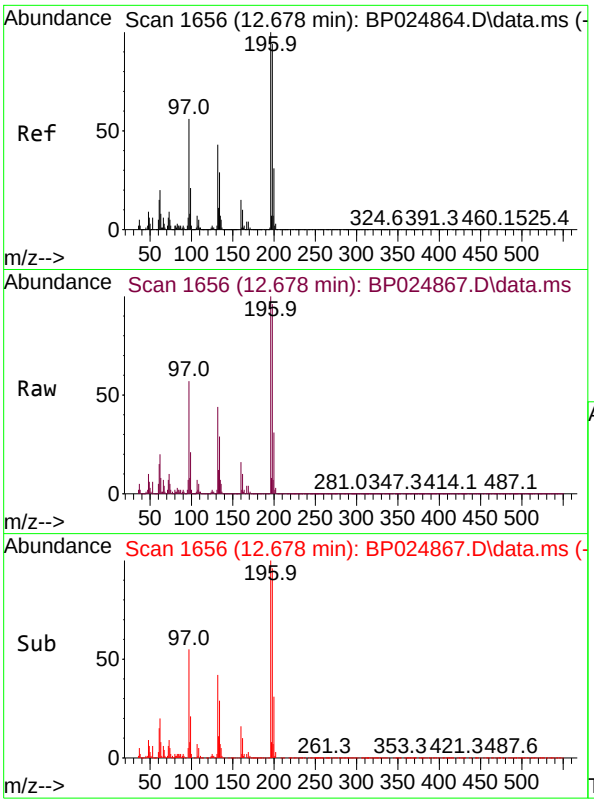


#42
2,4,6-Tribromophenol
Concen: 164.916 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:330 Resp: 1494447

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.7	116.5
141	32.5	26.4	39.6



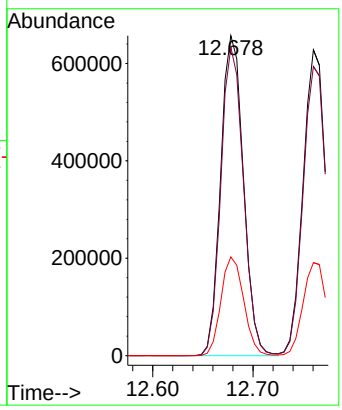


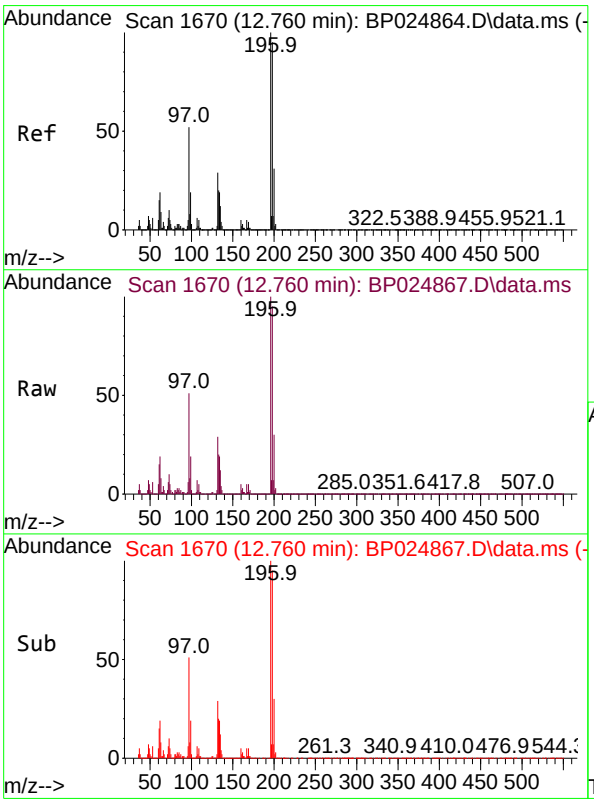
#43
2,4,6-Trichlorophenol
Concen: 83.186 ng
RT: 12.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1039009

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.4	113.0
200	30.8	24.4	36.6

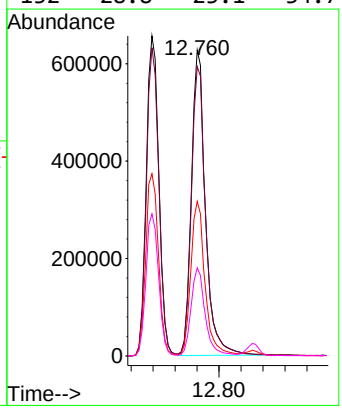


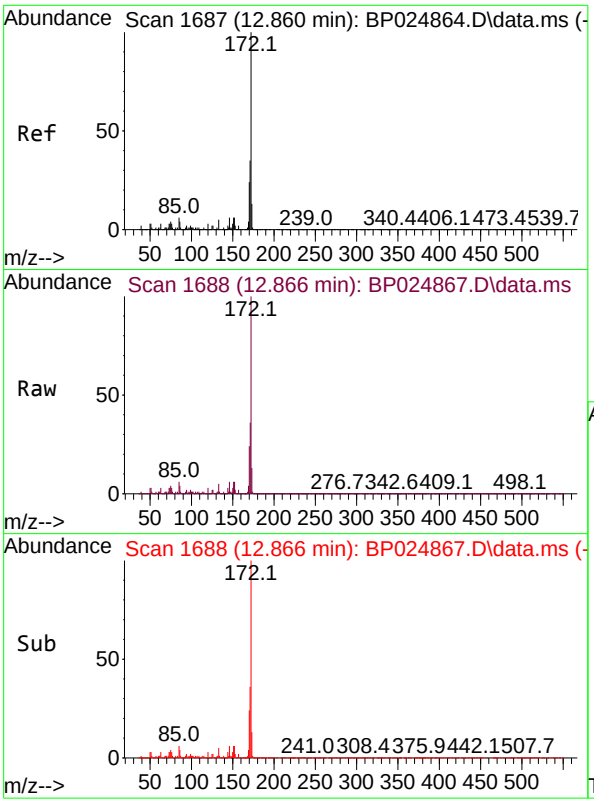


#44
2,4,5-Trichlorophenol
Concen: 83.507 ng
RT: 12.760 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:196 Resp: 1117015

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.0	114.0
97	50.5	41.5	62.3
132	28.8	23.1	34.7



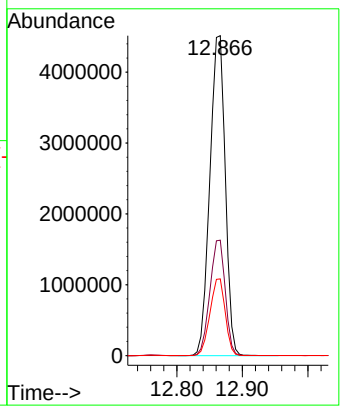


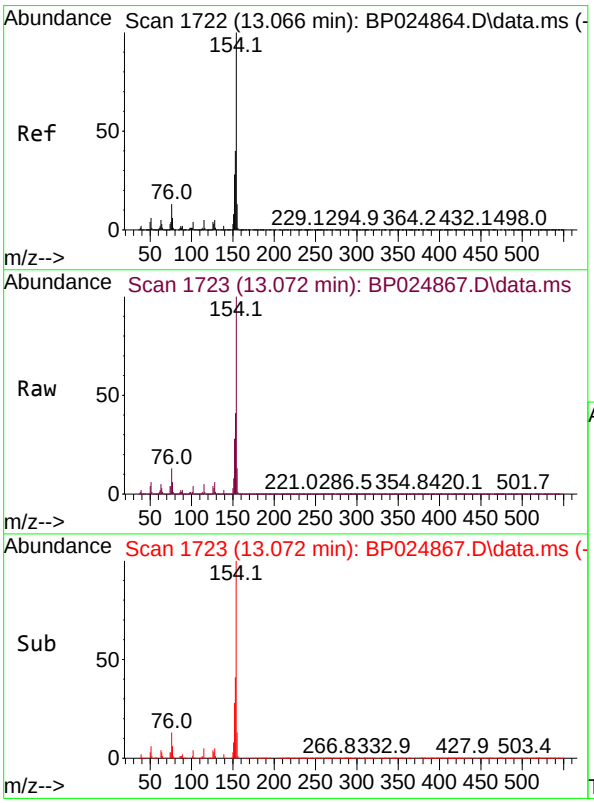
#45
2-Fluorobiphenyl
Concen: 151.825 ng
RT: 12.866 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 7387084

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	24.0	19.0	28.4

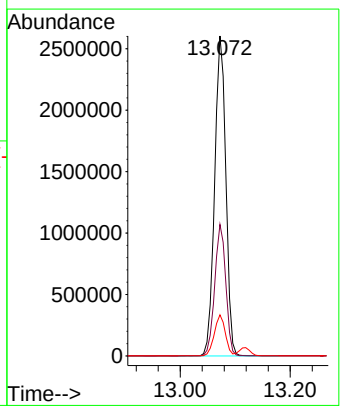


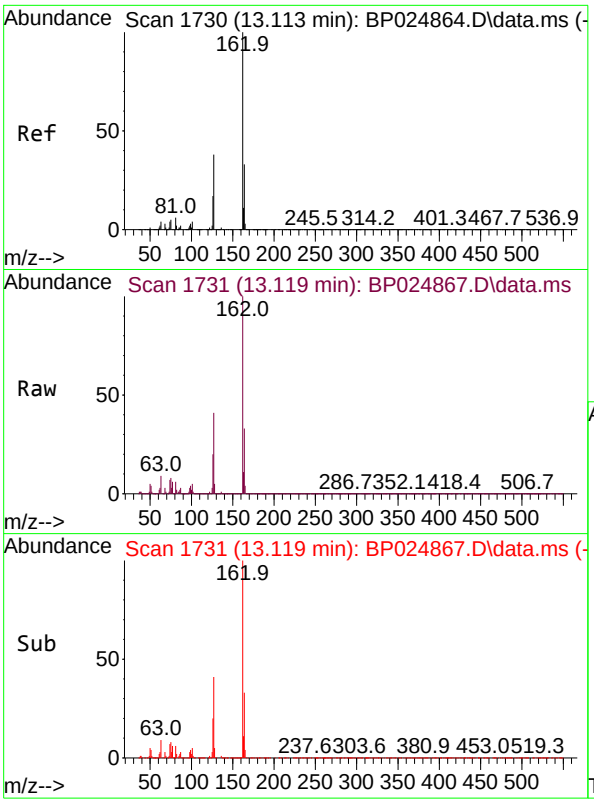


#46
1,1'-Biphenyl
Concen: 77.223 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:154 Resp: 3678354

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.3	60.3
76	12.8	0.0	33.0



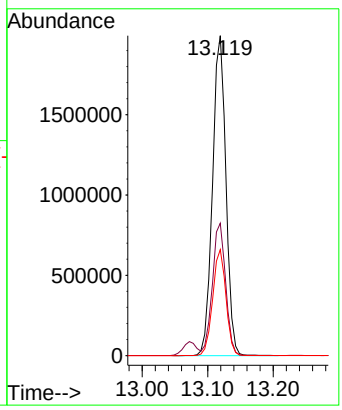


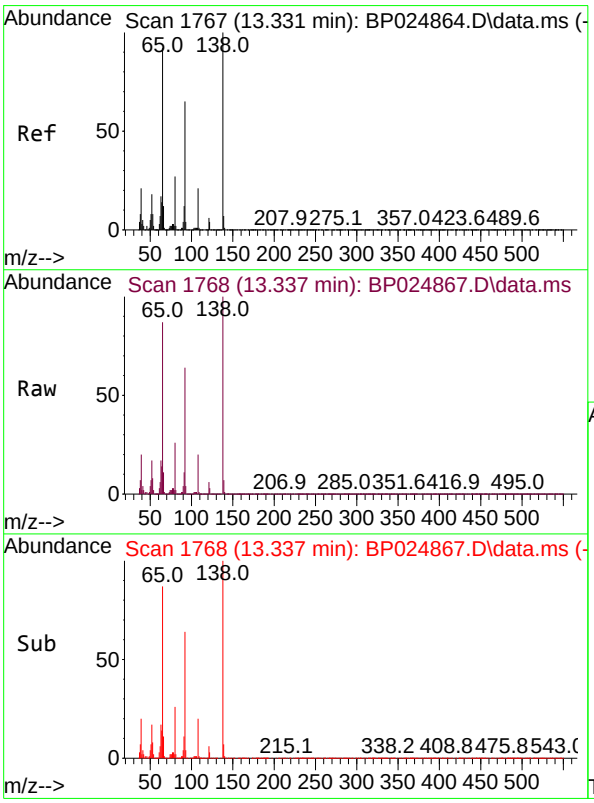
#47
2-Chloronaphthalene
Concen: 77.428 ng
RT: 13.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2834595

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	33.1	26.2	39.2

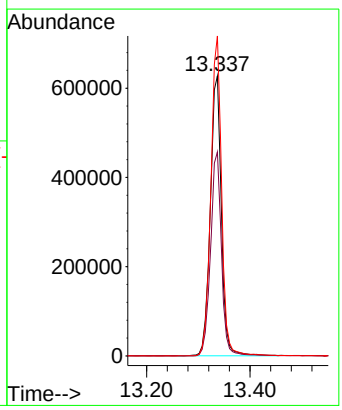


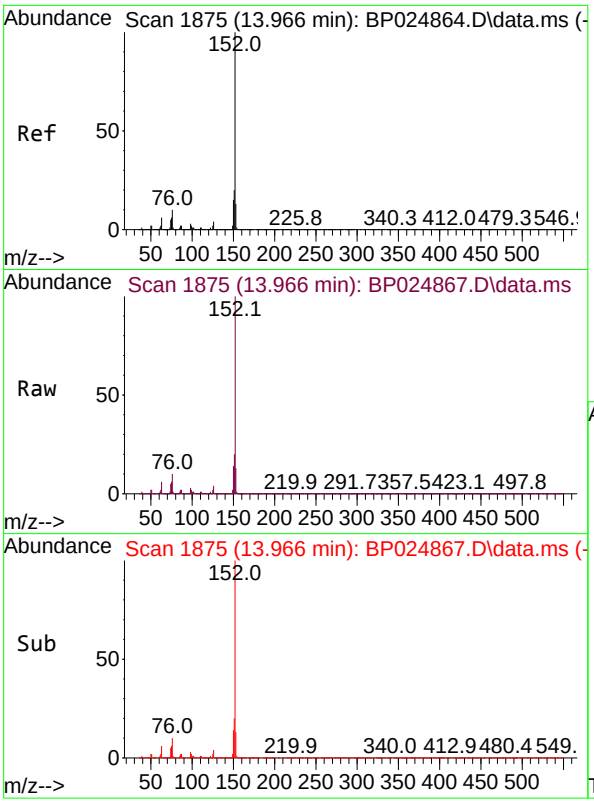


#48
2-Nitroaniline
Concen: 82.685 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 65 Resp: 930628

Ion	Ratio	Lower	Upper
65	100		
92	72.9	56.8	85.2
138	114.3	86.9	130.3



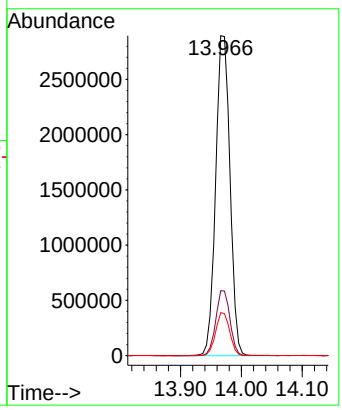


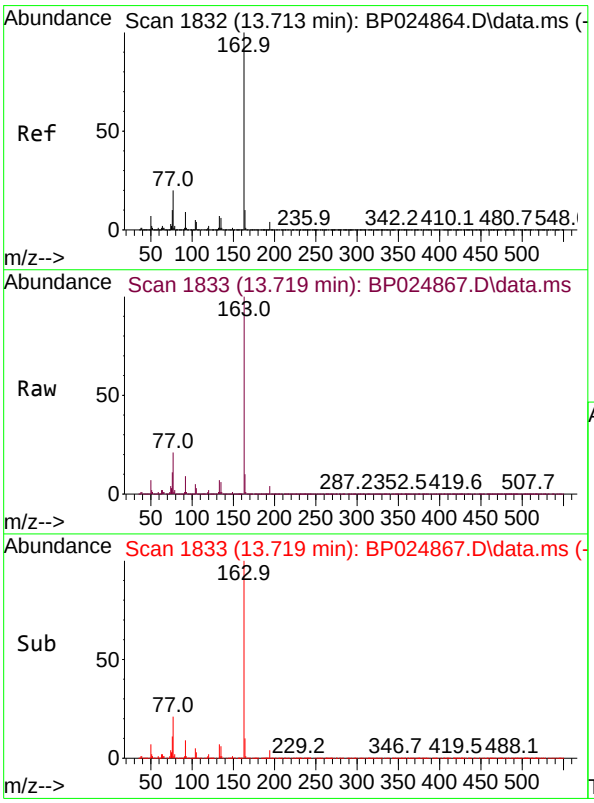
#49
Acenaphthylene
Concen: 77.508 ng
RT: 13.966 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4731215

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.4	10.6	15.8

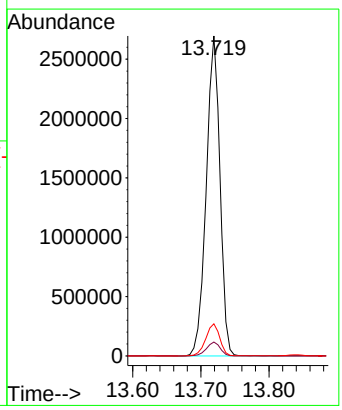


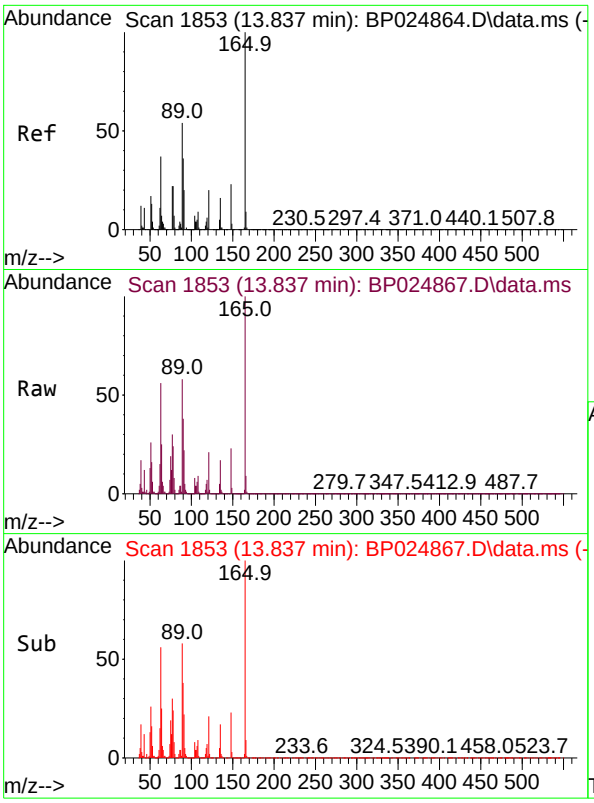


#50
Dimethylphthalate
Concen: 77.959 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:163 Resp: 3769405

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.0	8.0	12.0



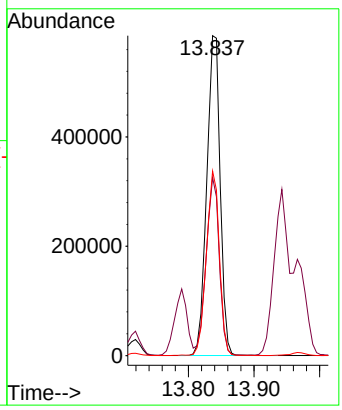


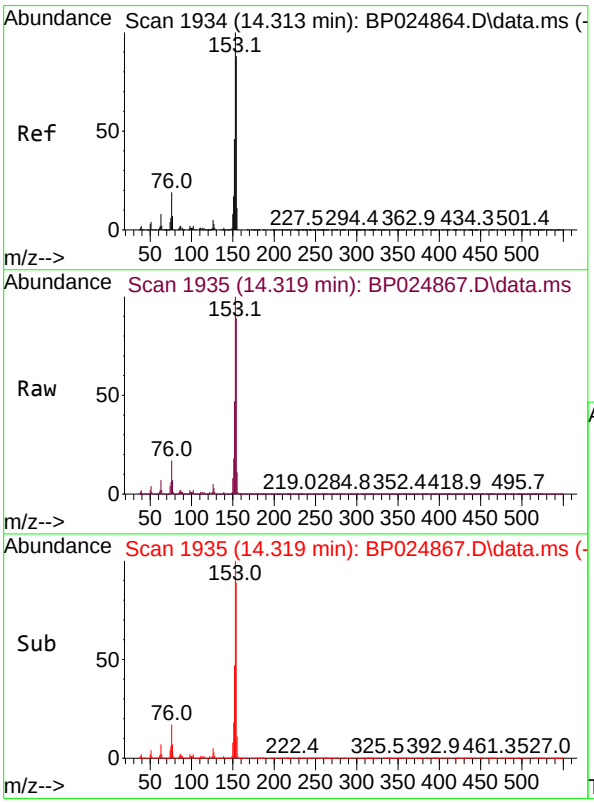
#51
2,6-Dinitrotoluene
Concen: 79.625 ng
RT: 13.837 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 829970

Ion	Ratio	Lower	Upper
165	100		
63	55.6	41.8	62.8
89	57.7	43.1	64.7

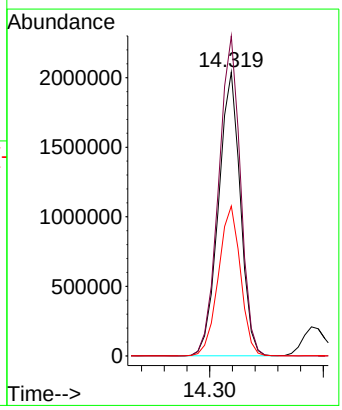


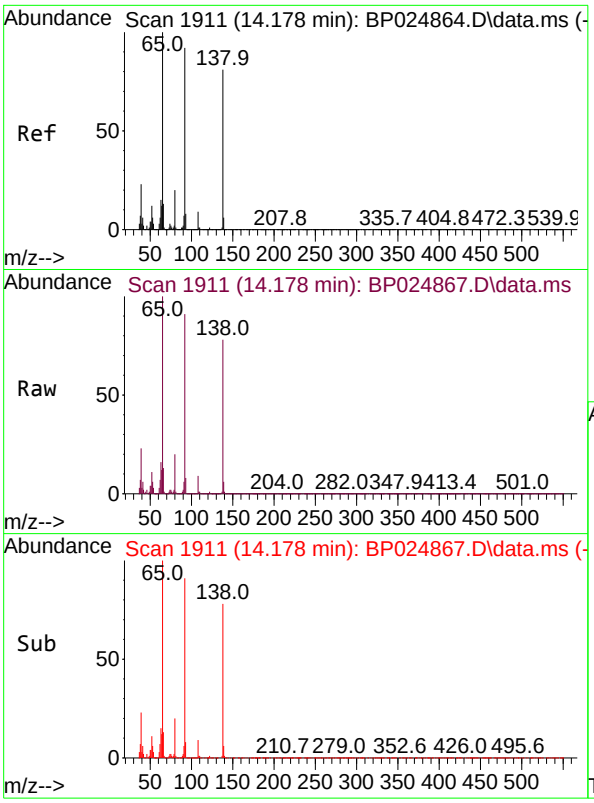


#52
Acenaphthene
Concen: 77.638 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:154 Resp: 2715693

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.5	135.7
152	52.8	42.1	63.1



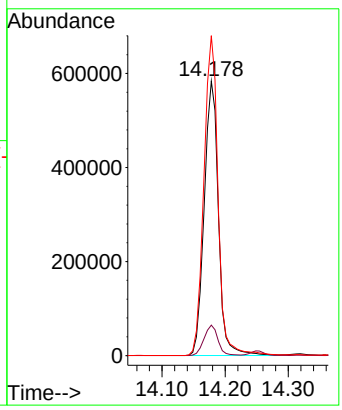


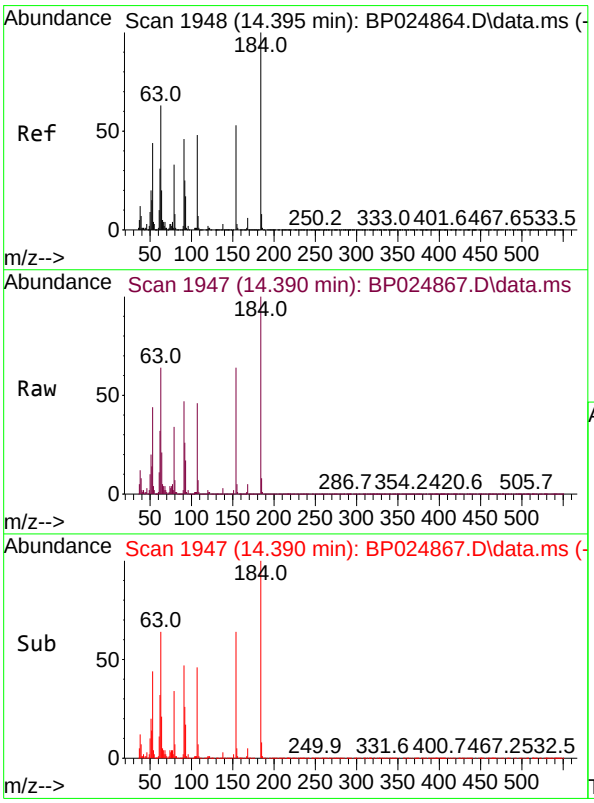
#53
3-Nitroaniline
Concen: 84.530 ng
RT: 14.178 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 914372

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	116.5	91.3	136.9

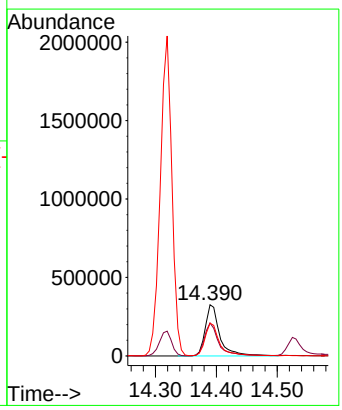


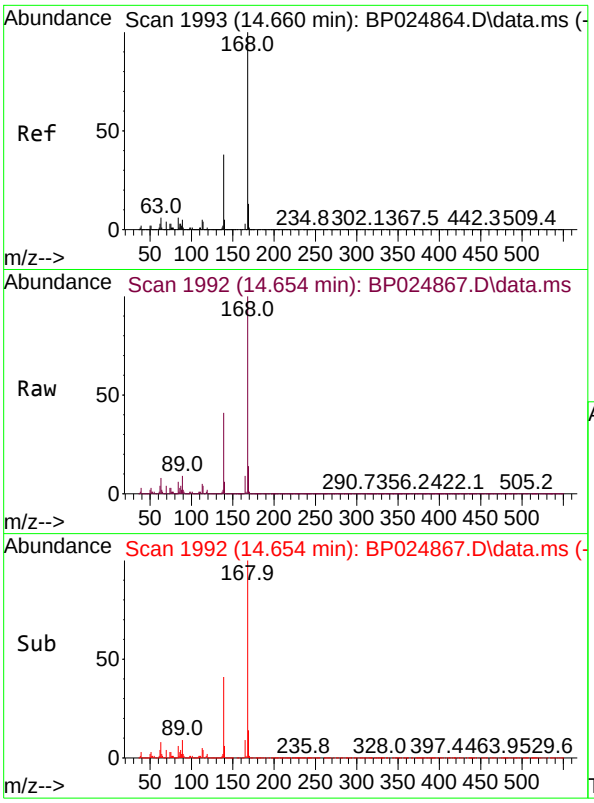


#54
2,4-Dinitrophenol
Concen: 79.298 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:184 Resp: 537870

Ion	Ratio	Lower	Upper
184	100		
63	64.4	51.0	76.4
154	64.2	51.7	77.5



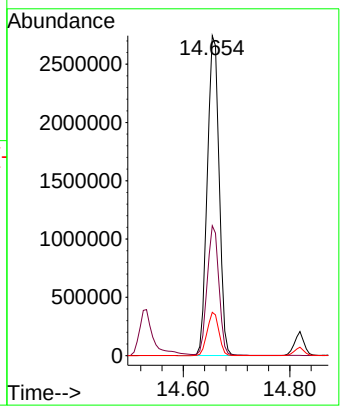


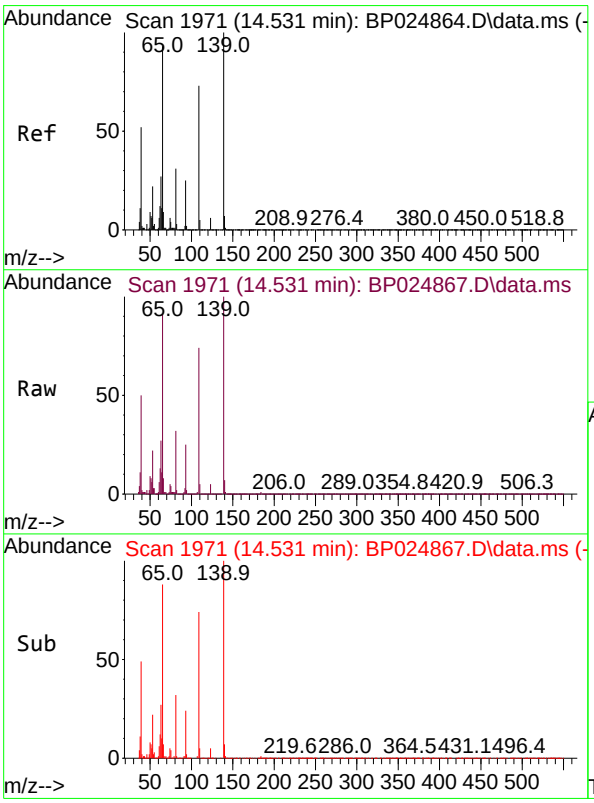
#55
Dibenzofuran
Concen: 75.424 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4234879

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.6	47.4
169	13.5	10.6	15.8

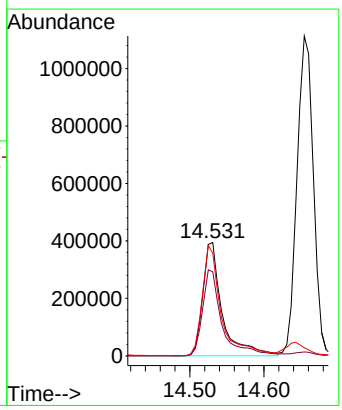


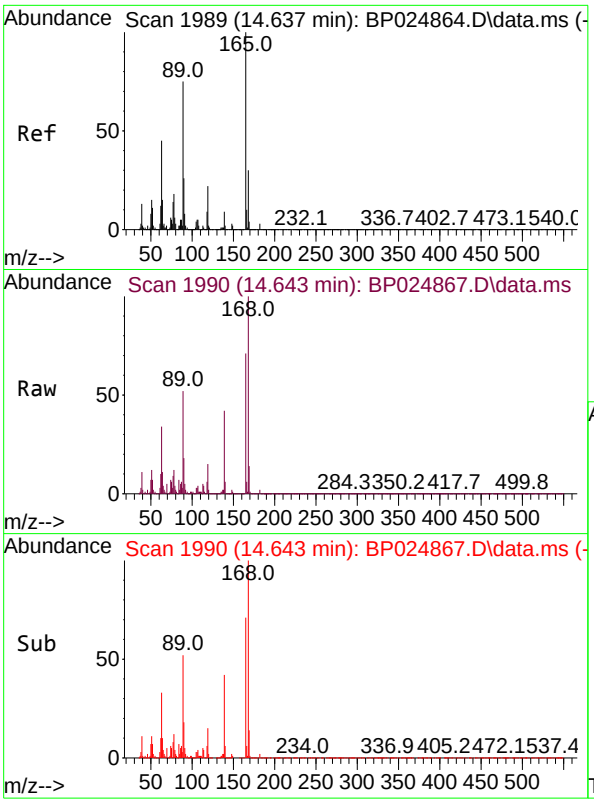


#56
4-Nitrophenol
Concen: 78.739 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:139 Resp: 720226

Ion	Ratio	Lower	Upper
139	100		
109	74.3	53.1	93.1
65	90.8	73.0	113.0



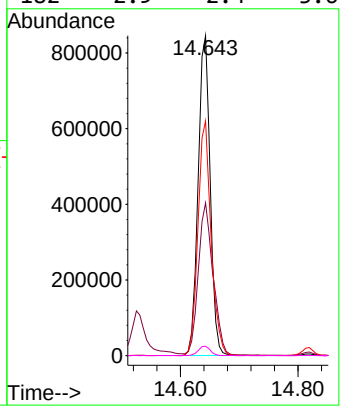


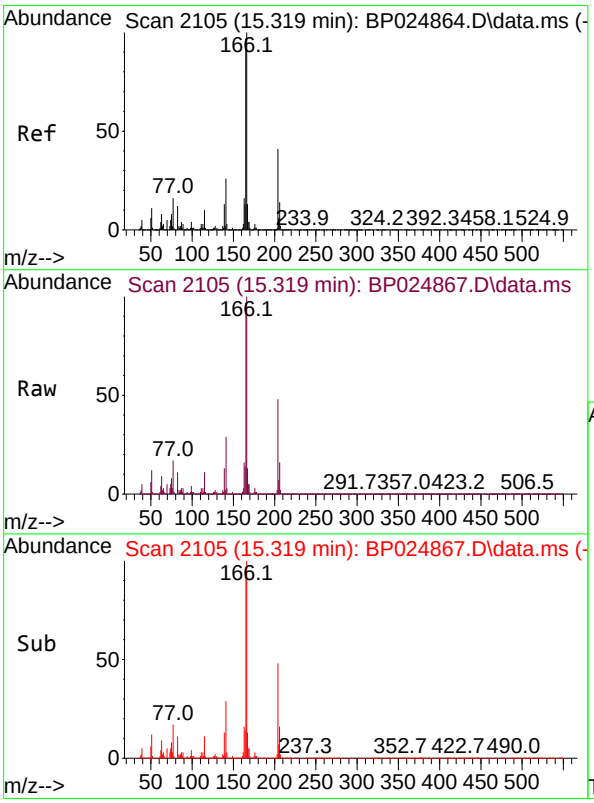
#57
2,4-Dinitrotoluene
Concen: 82.341 ng
RT: 14.643 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1200593

Ion	Ratio	Lower	Upper
165	100		
63	47.7	37.0	55.6
89	73.3	60.1	90.1
182	2.9	2.4	3.6

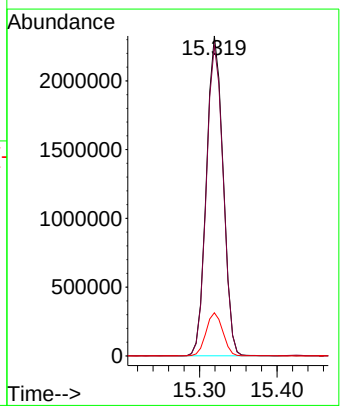


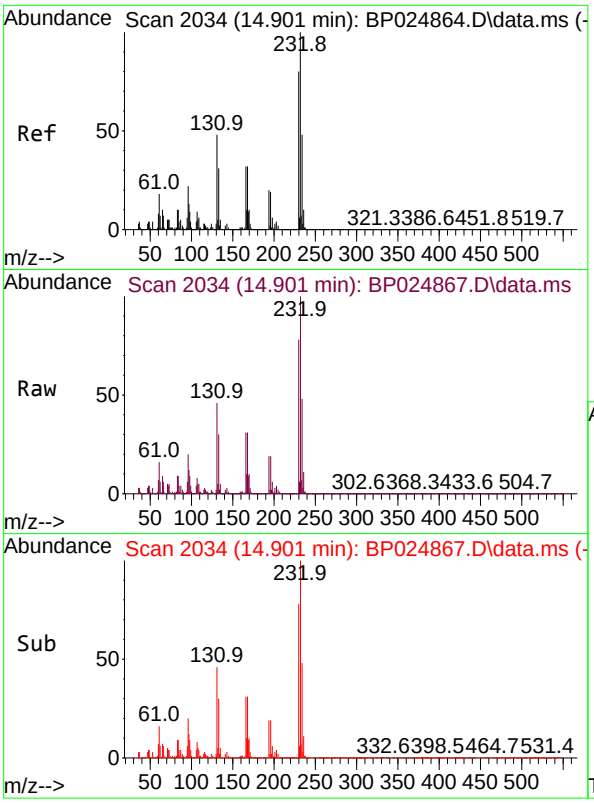


#58
Fluorene
Concen: 76.824 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:166 Resp: 3484502

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.5	10.6	16.0



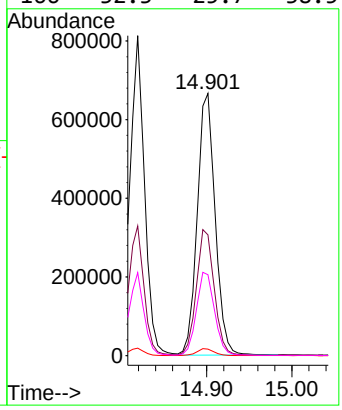


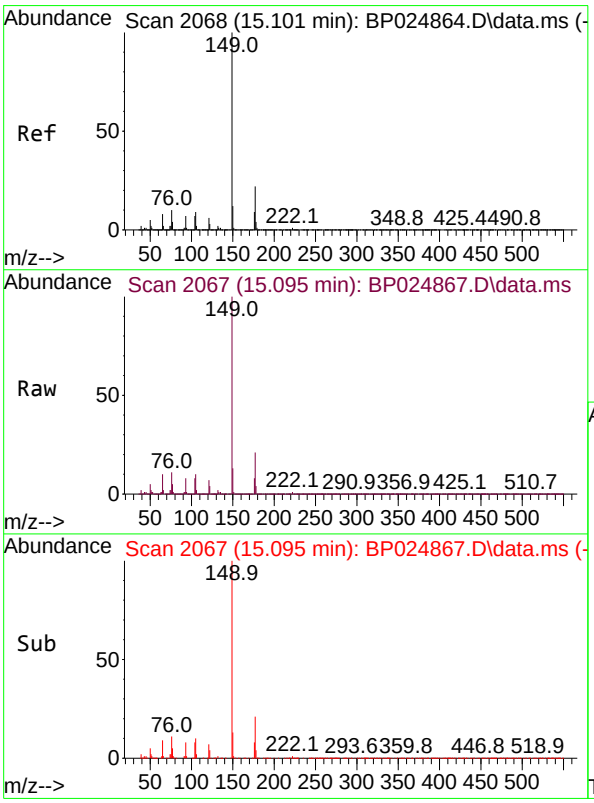
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.077 ng
RT: 14.901 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 970694

Ion	Ratio	Lower	Upper
232	100		
131	48.0	38.2	57.2
130	2.6	2.1	3.1
166	32.3	25.7	38.5

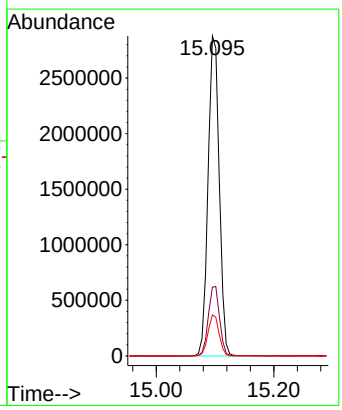


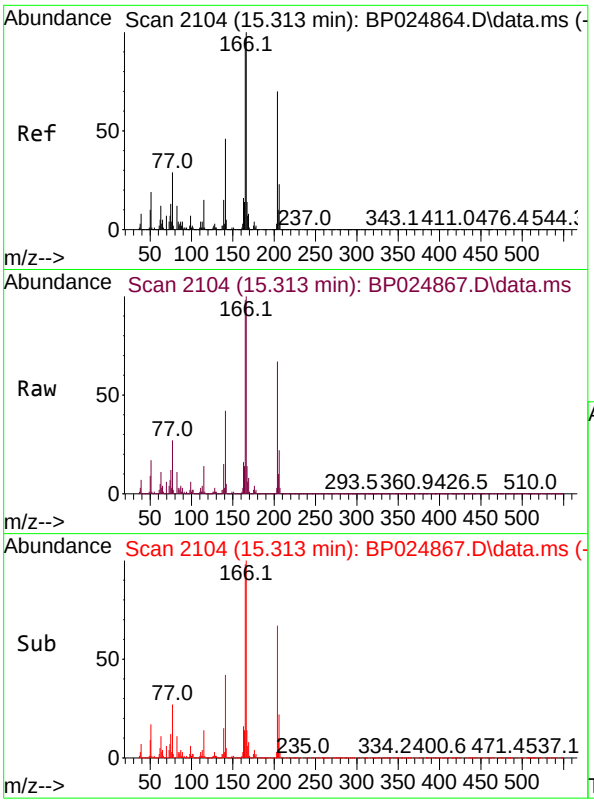


#60
Diethylphthalate
Concen: 78.844 ng
RT: 15.095 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 3799279

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.8	9.8	14.6



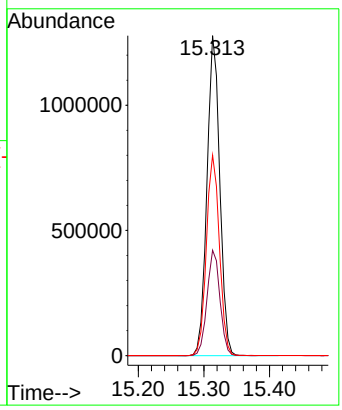


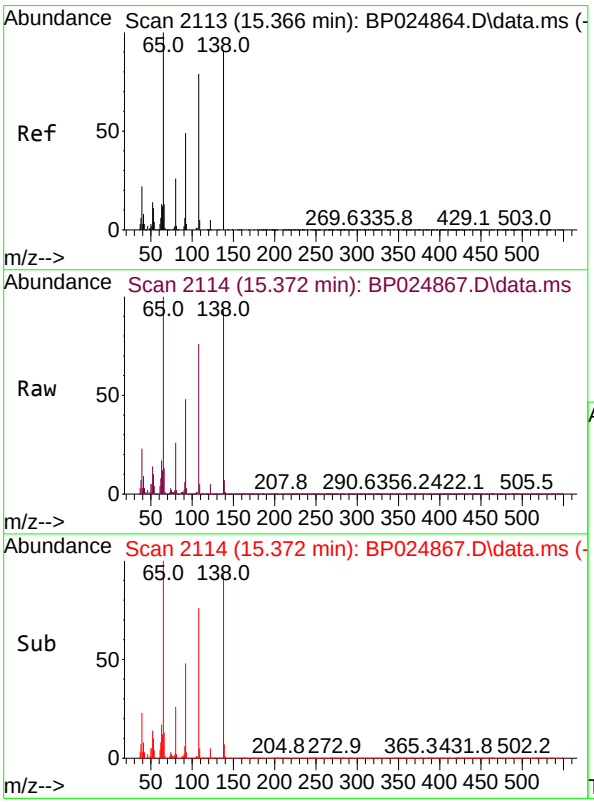
#61
4-Chlorophenyl-phenylether
Concen: 77.784 ng
RT: 15.313 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1725059

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.6	40.0
141	62.6	52.4	78.6

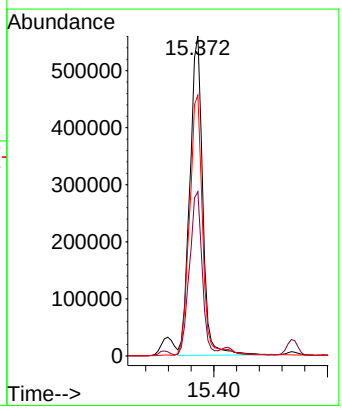


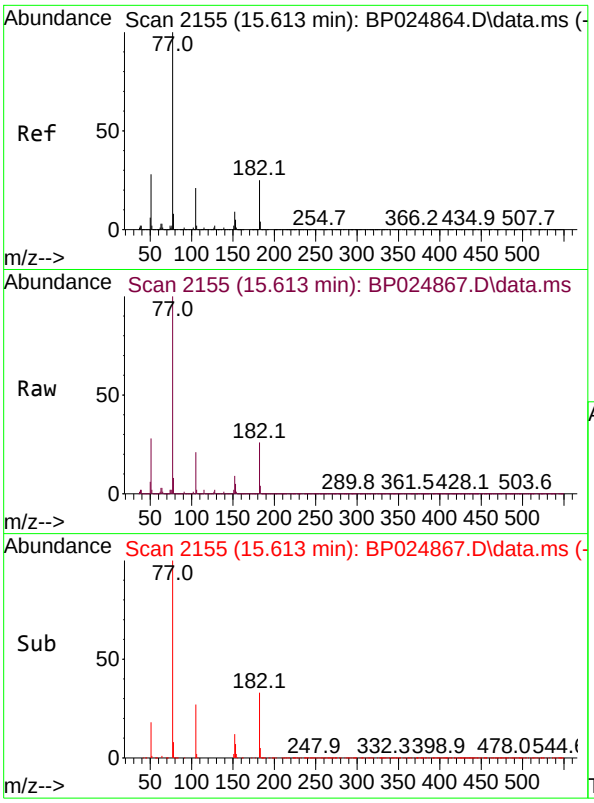


#62
4-Nitroaniline
Concen: 89.199 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:138 Resp: 875375

Ion	Ratio	Lower	Upper
138	100		
92	51.3	33.5	73.5
108	81.5	65.1	105.1



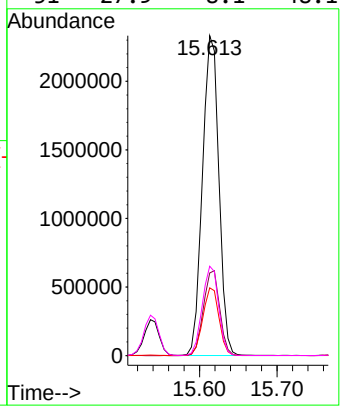


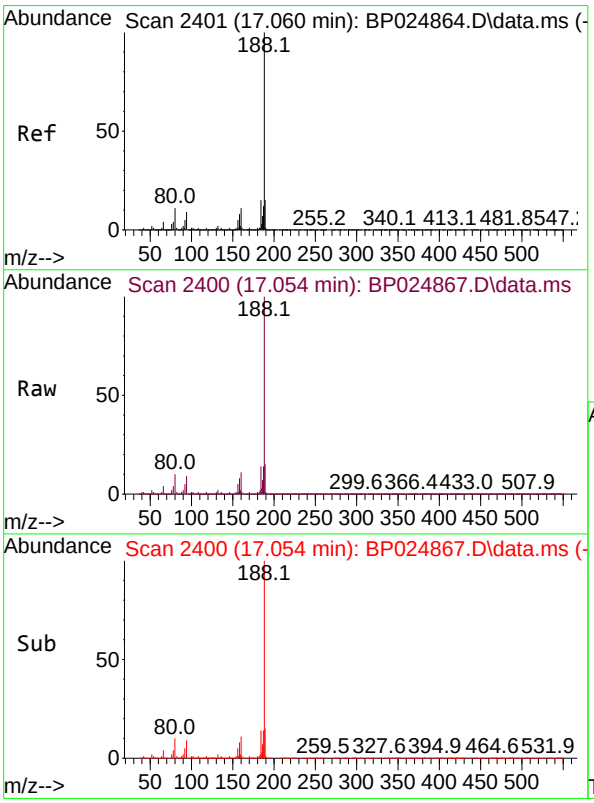
#63
Azobenzene
Concen: 77.538 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3426736

Ion	Ratio	Lower	Upper
77	100		
182	25.8	5.4	45.4
105	21.2	0.8	40.8
51	27.9	8.1	48.1

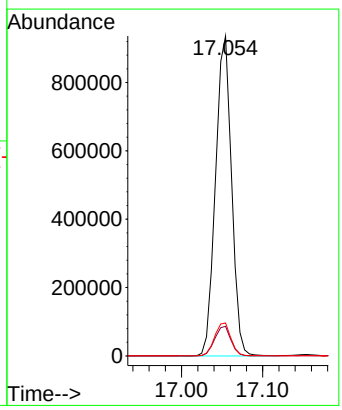


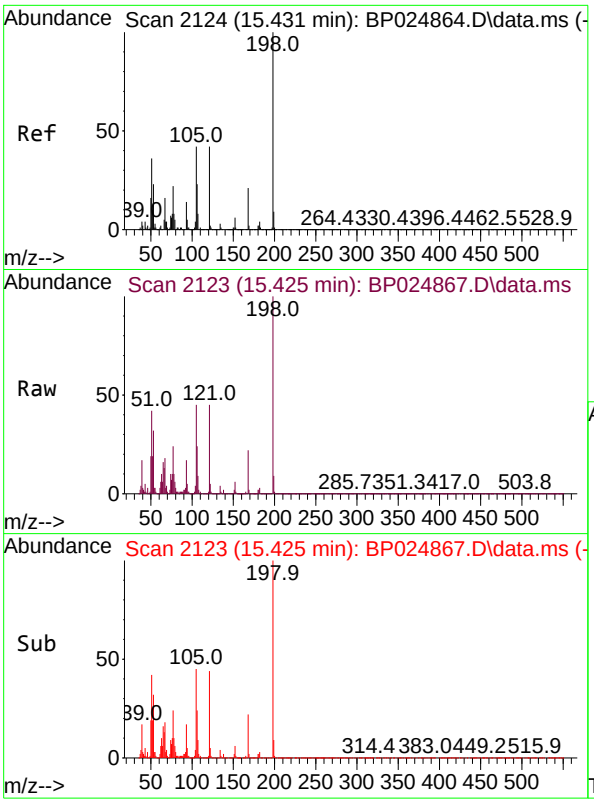


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:188 Resp: 1282325

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.3	8.5	12.7



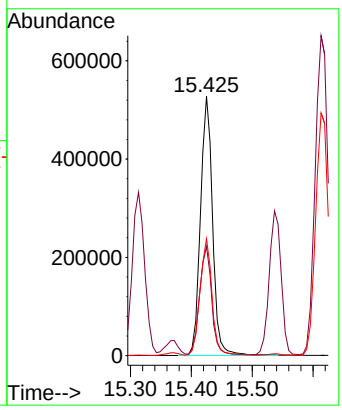


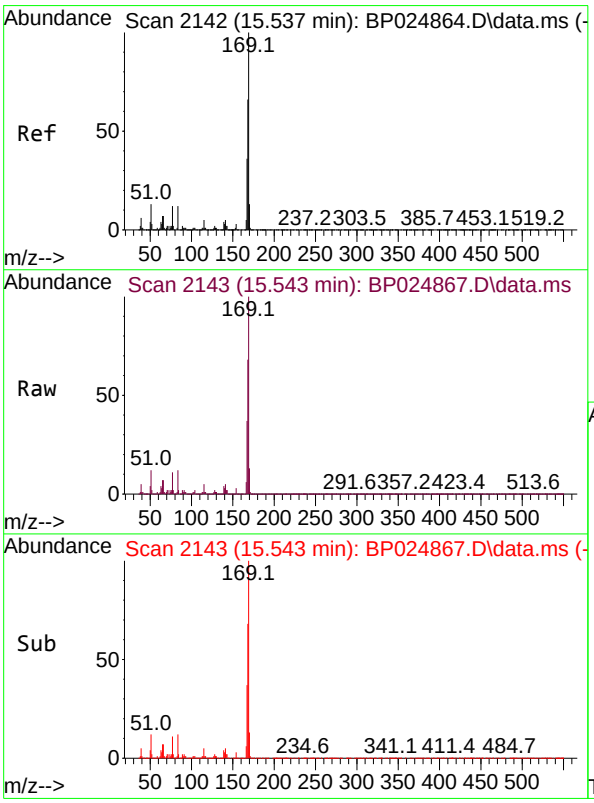
#65
4,6-Dinitro-2-methylphenol
Concen: 86.490 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 728771

Ion	Ratio	Lower	Upper
198	100		
51	42.1	19.2	59.2
105	45.1	22.6	62.6

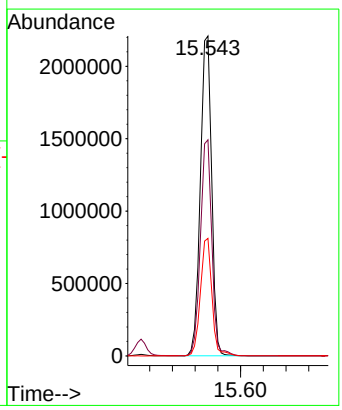


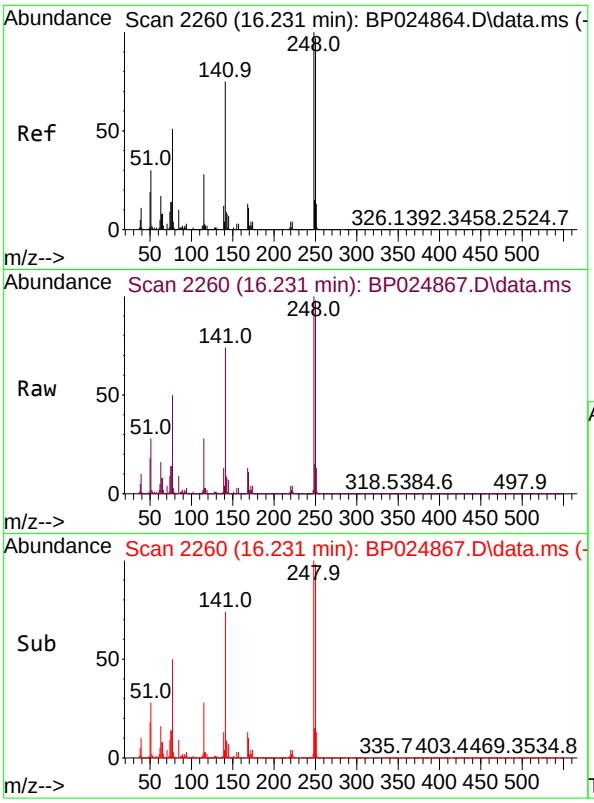


#66
n-Nitrosodiphenylamine
Concen: 76.603 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:169 Resp: 3044661

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	36.7	28.6	43.0



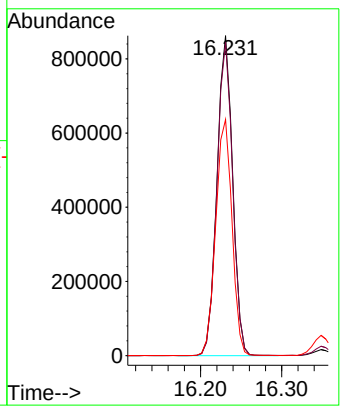


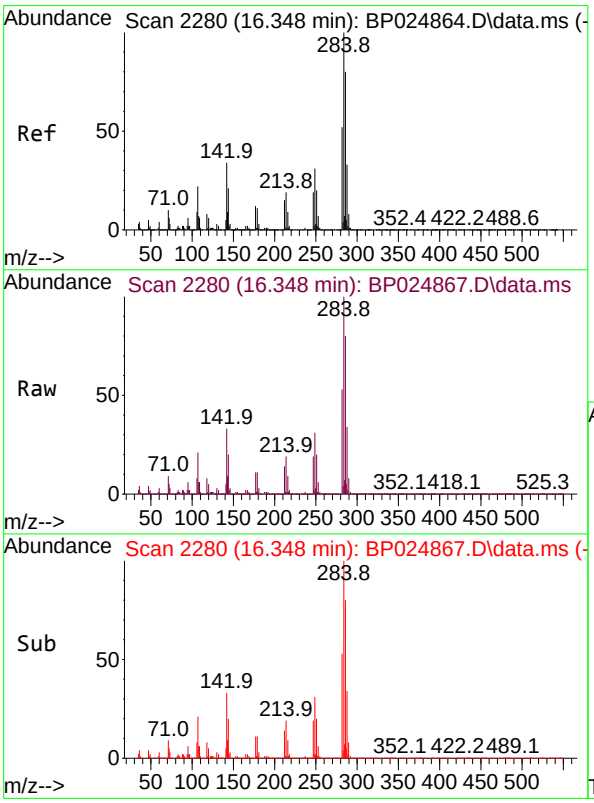
#67
4-Bromophenyl-phenylether
Concen: 80.026 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1157878

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.4	116.2
141	73.8	59.9	89.9

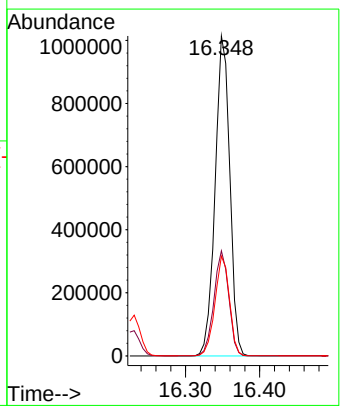


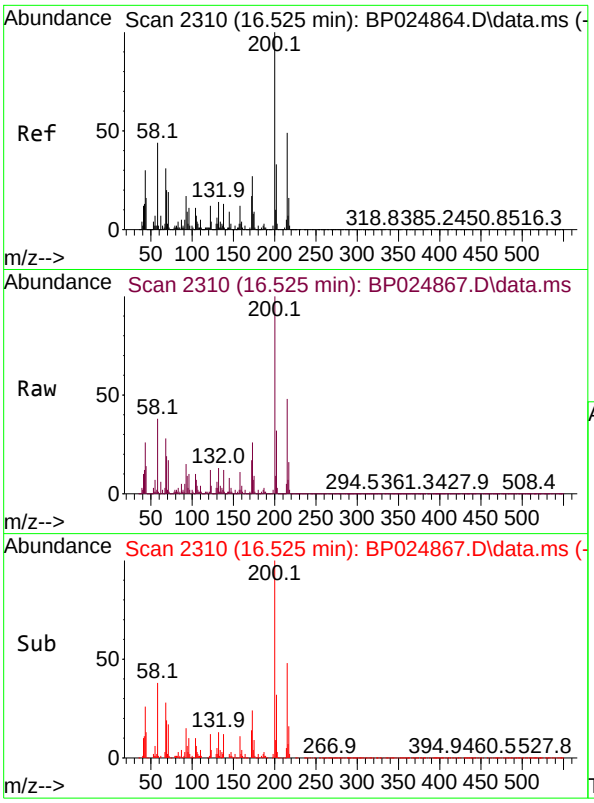


#68
Hexachlorobenzene
Concen: 79.535 ng
RT: 16.348 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:284 Resp: 1395074

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.0	40.6
249	31.2	25.0	37.6



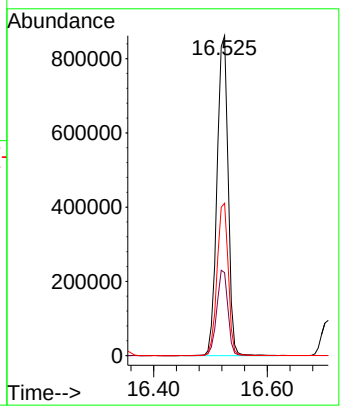


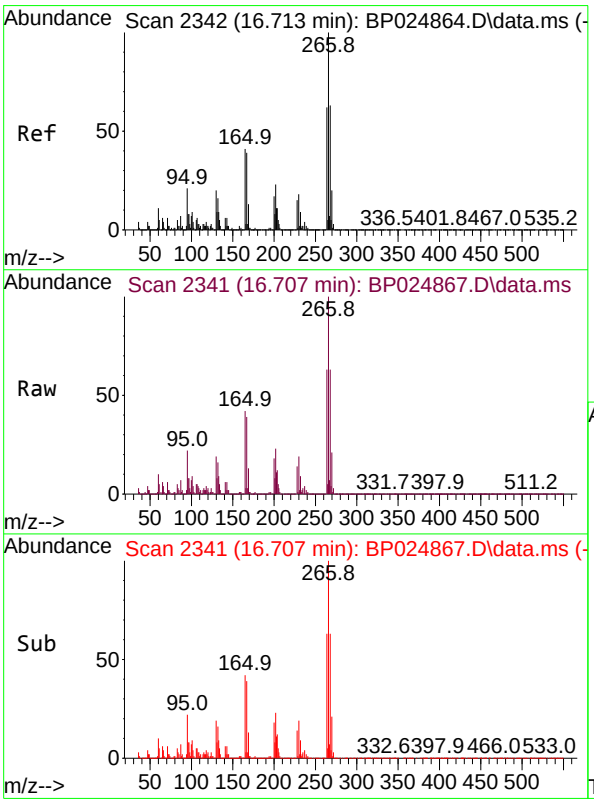
#69
Atrazine
Concen: 81.114 ng
RT: 16.525 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 1168753

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.9	46.9
215	47.6	28.7	68.7

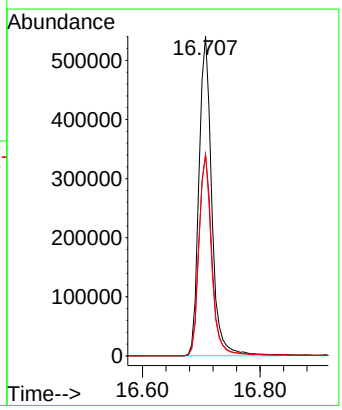


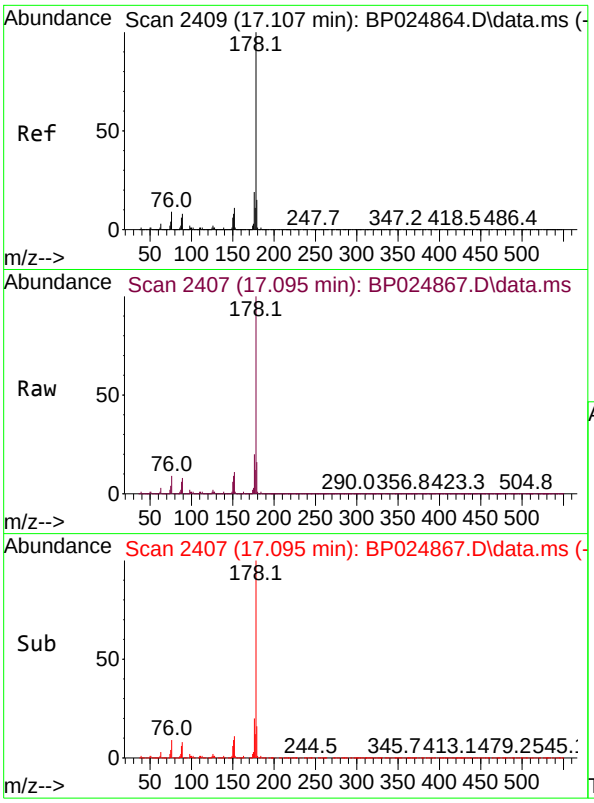


#70
Pentachlorophenol
Concen: 90.003 ng
RT: 16.707 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:266 Resp: 817045

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.6	76.0
264	63.0	49.7	74.5



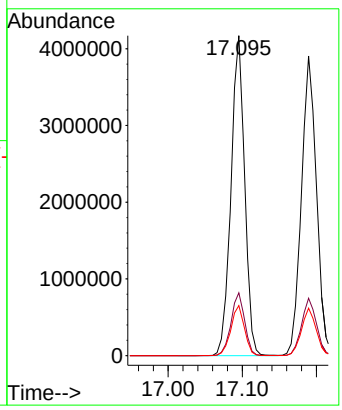


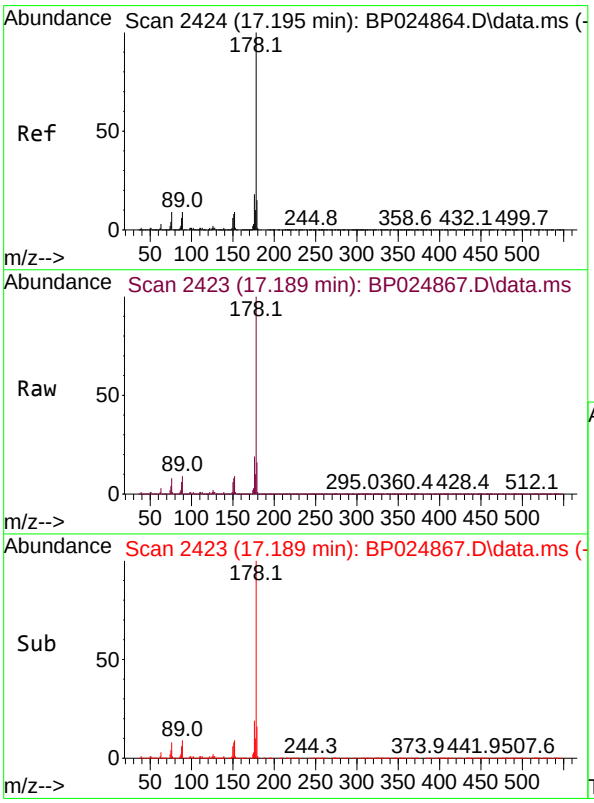
#71
Phenanthrene
Concen: 75.365 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5340604

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.1	18.1

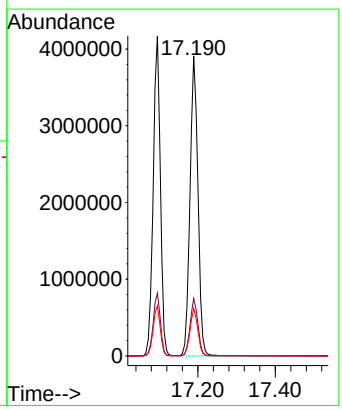


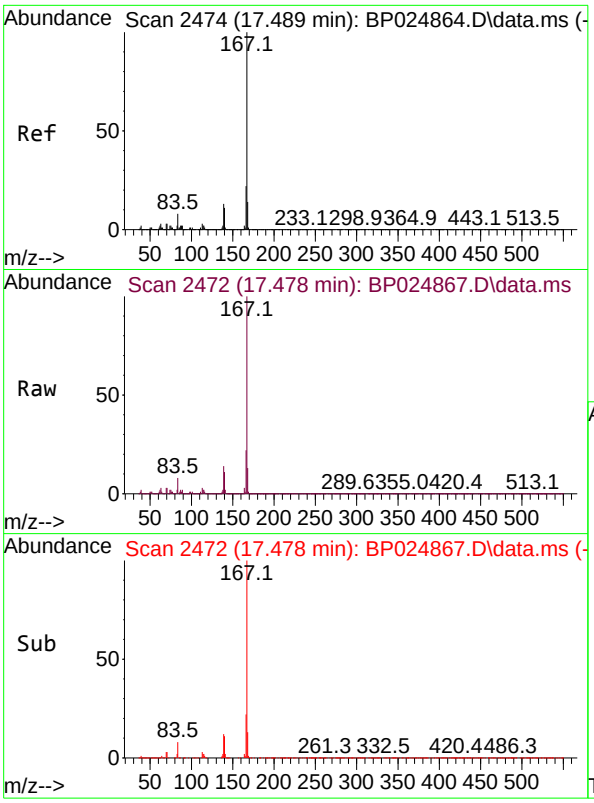


#72
Anthracene
Concen: 77.415 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:178 Resp: 5555906

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.8	12.3	18.5



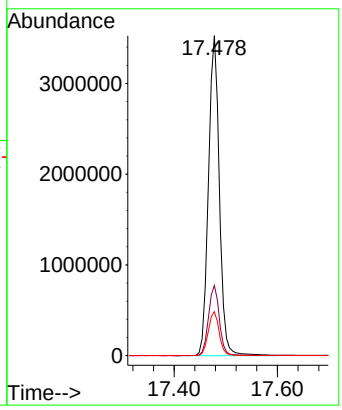


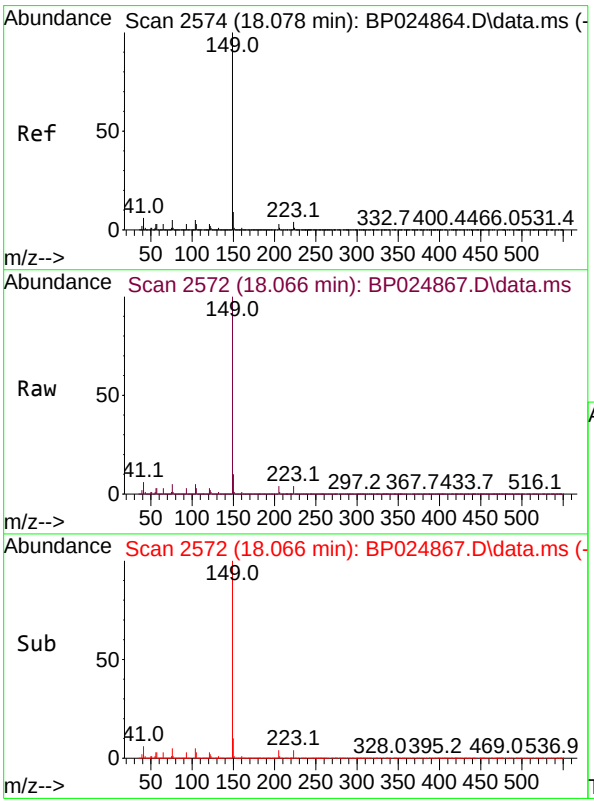
#73
Carbazole
Concen: 77.661 ng
RT: 17.478 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 5166153

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.3	25.9
139	13.7	10.8	16.2

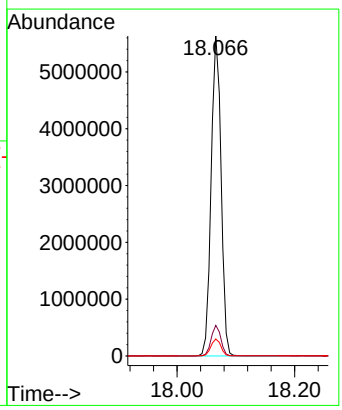


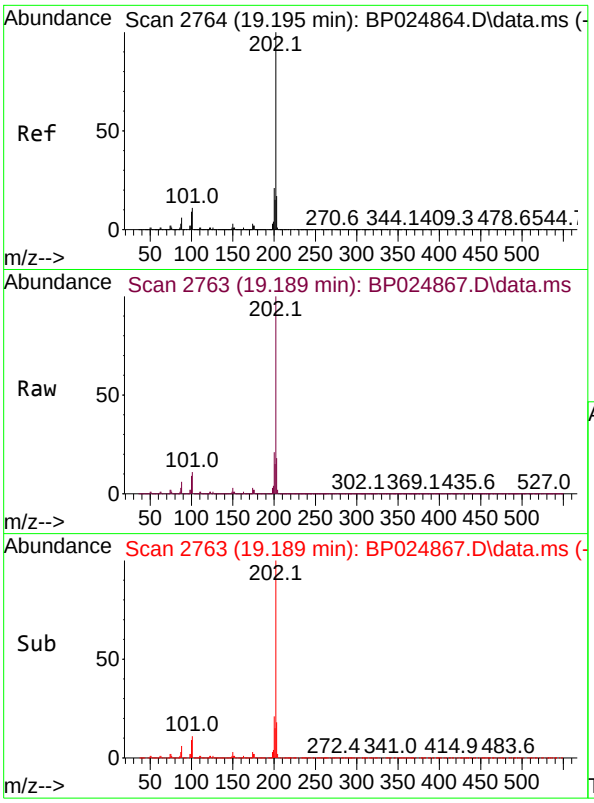


#74
Di-n-butylphthalate
Concen: 79.879 ng
RT: 18.066 min Scan# 2572
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 6583572

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.3	4.2	6.2



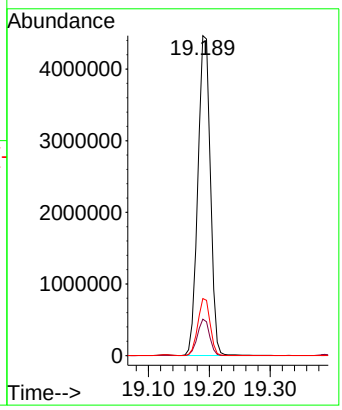


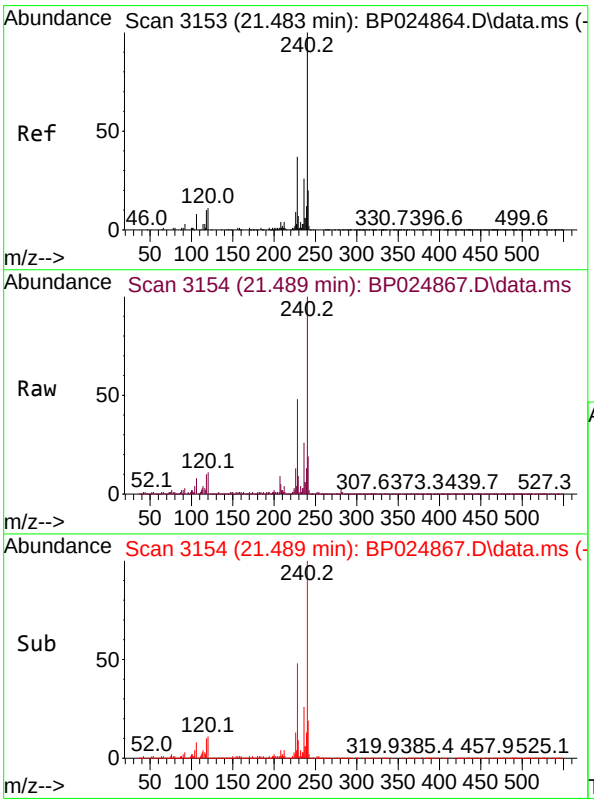
#75
Fluoranthene
Concen: 77.333 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6351620

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.8	0.0	37.5

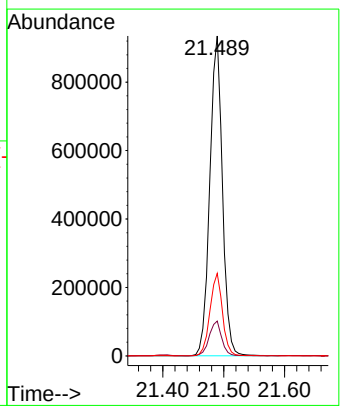


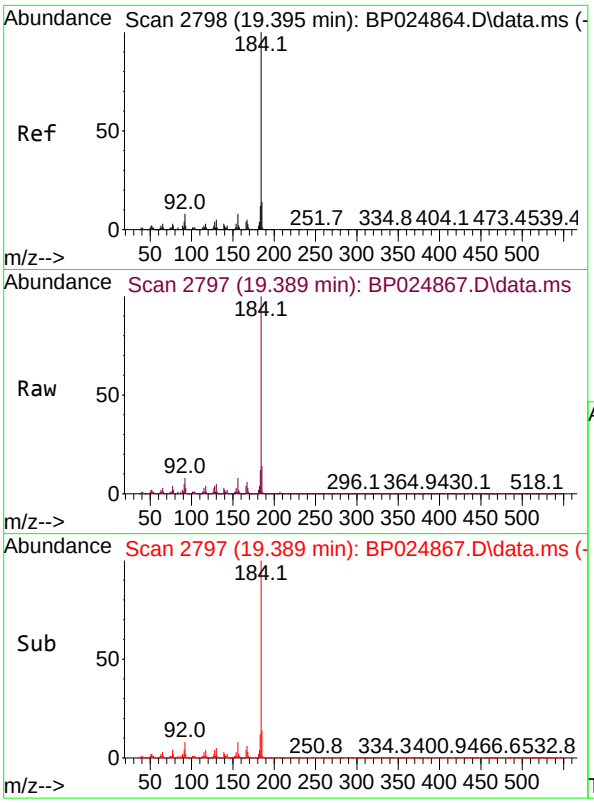


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:240 Resp: 1346775

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.8	20.9	31.3



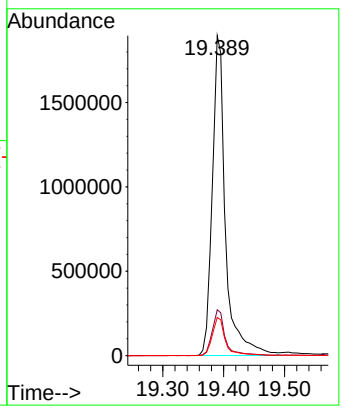


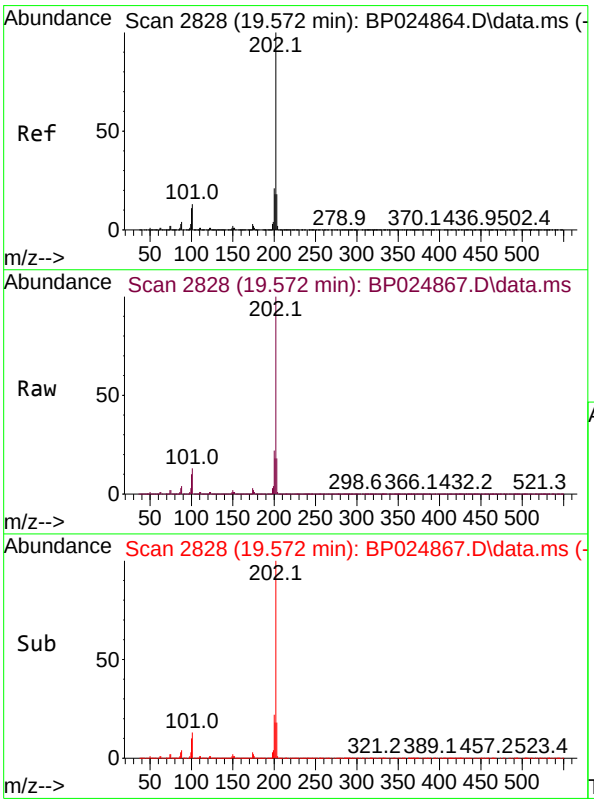
#77
Benzidine
Concen: 68.307 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 2849177

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.9	9.5	14.3

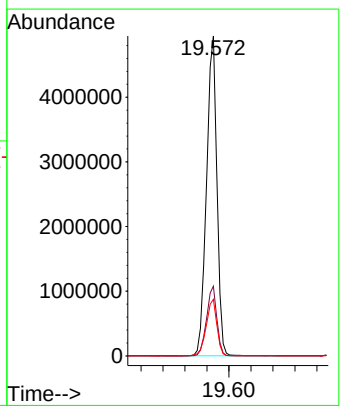


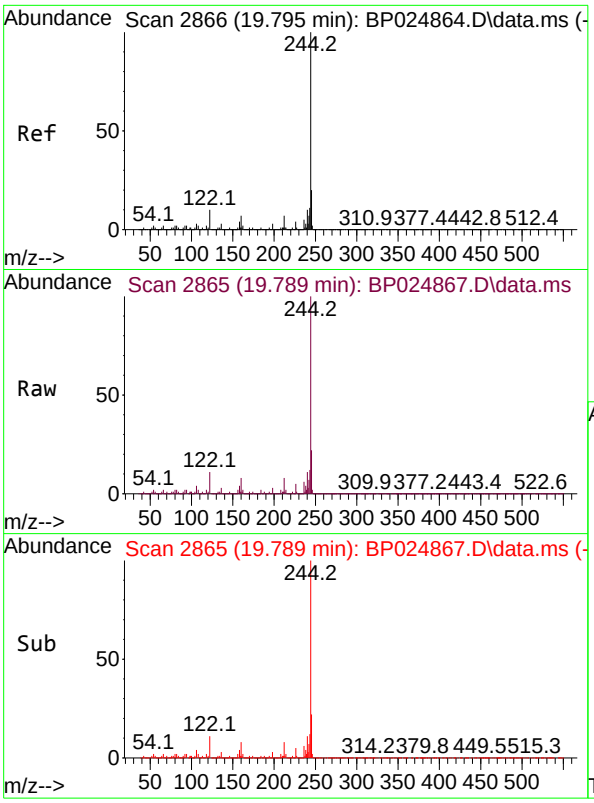


#78
Pyrene
Concen: 77.229 ng
RT: 19.572 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:202 Resp: 6497989

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	17.7	14.0	21.0



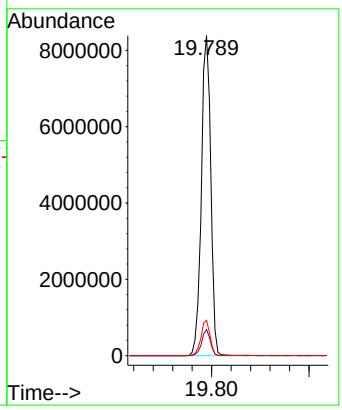


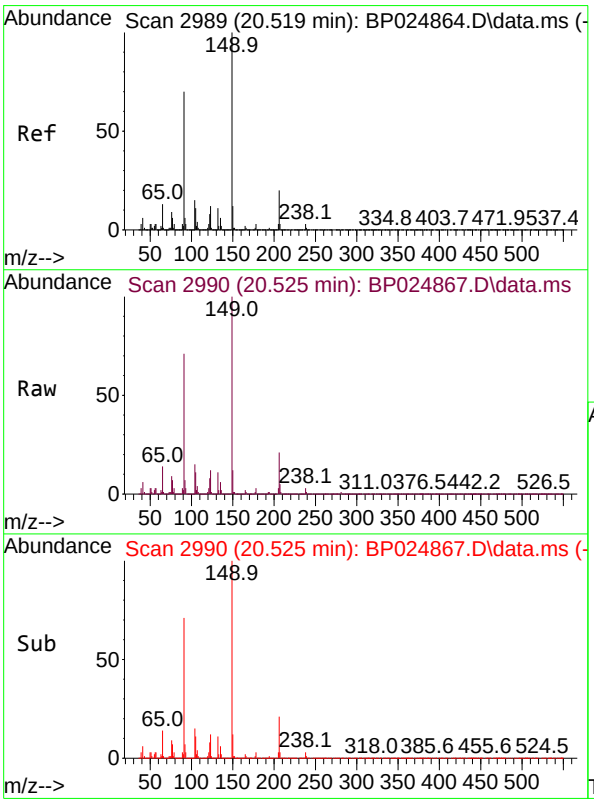
#79
Terphenyl-d14
Concen: 148.975 ng
RT: 19.789 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:11194678

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.6	8.4
122	11.0	7.7	11.5

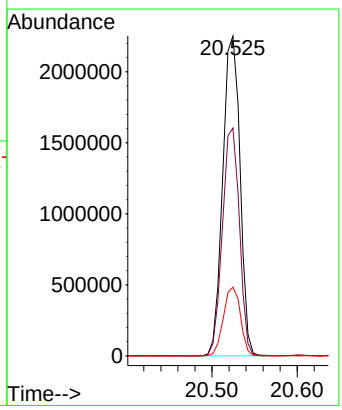


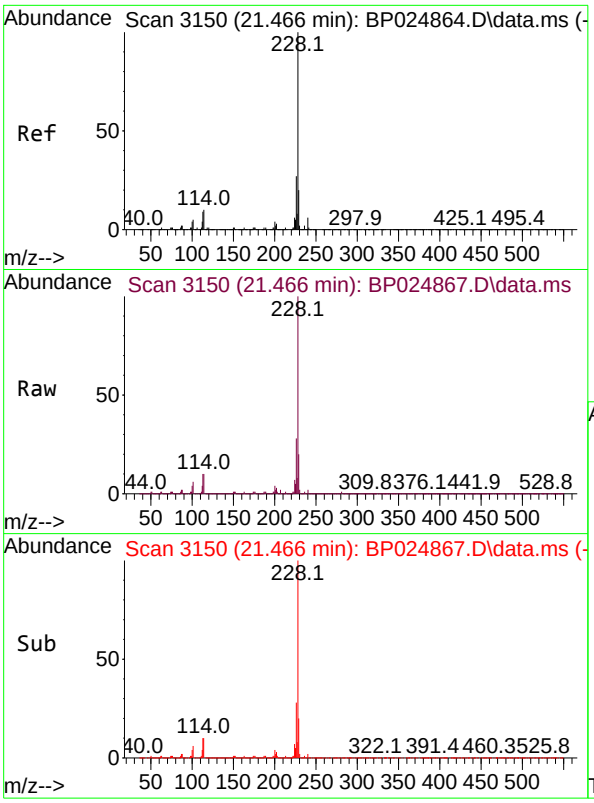


#80
Butylbenzylphthalate
Concen: 82.388 ng
RT: 20.525 min Scan# 2990
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 3175233

Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.8	83.8
206	21.5	16.2	24.2



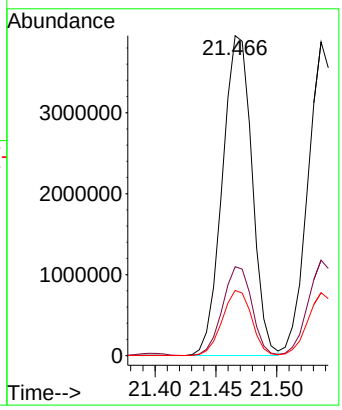


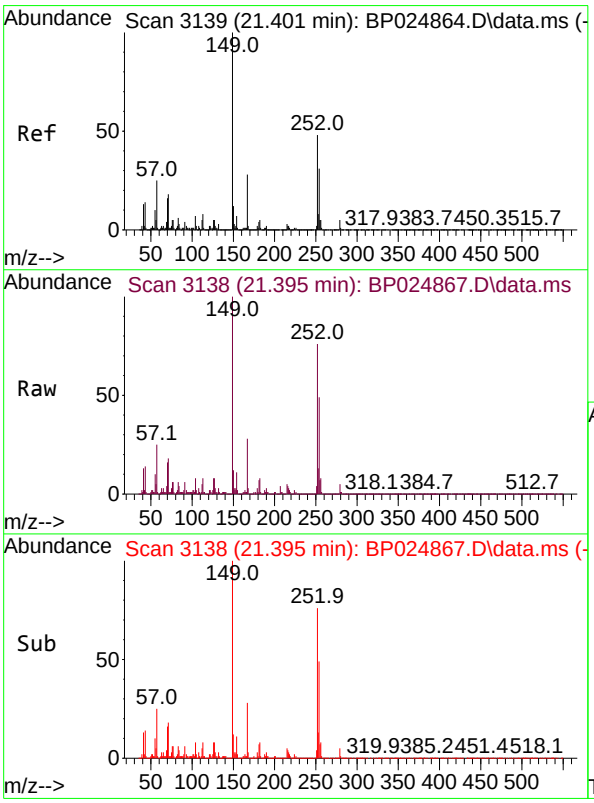
#81
Benzo(a)anthracene
Concen: 77.741 ng
RT: 21.466 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6696396

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.4	15.9	23.9

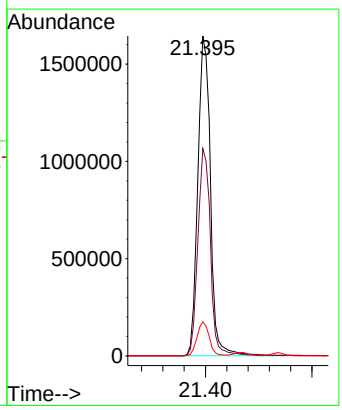


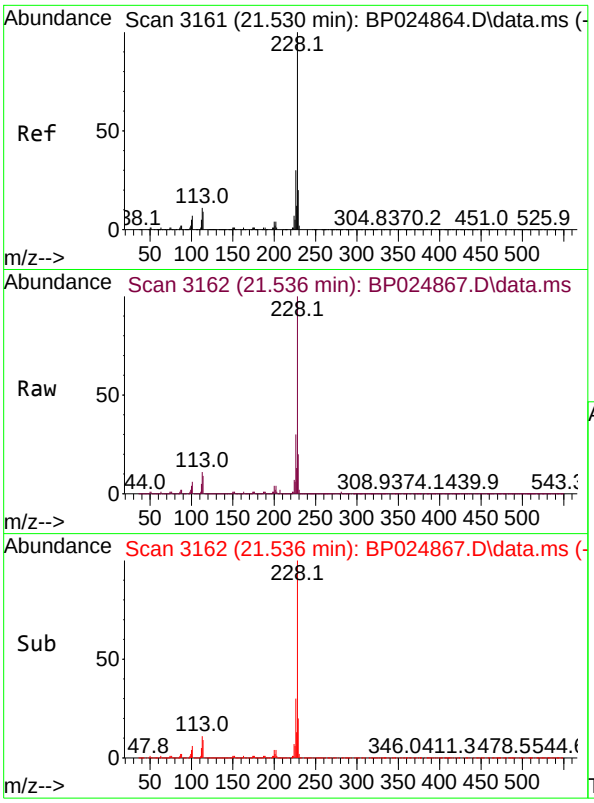


#82
3,3'-Dichlorobenzidine
Concen: 78.907 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 2698352

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	10.6	8.6	12.8



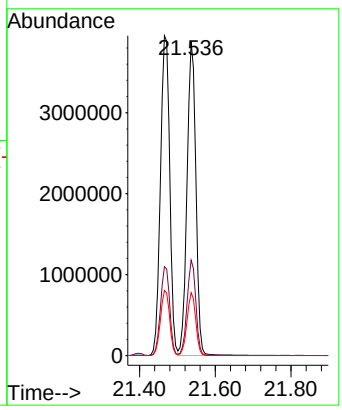


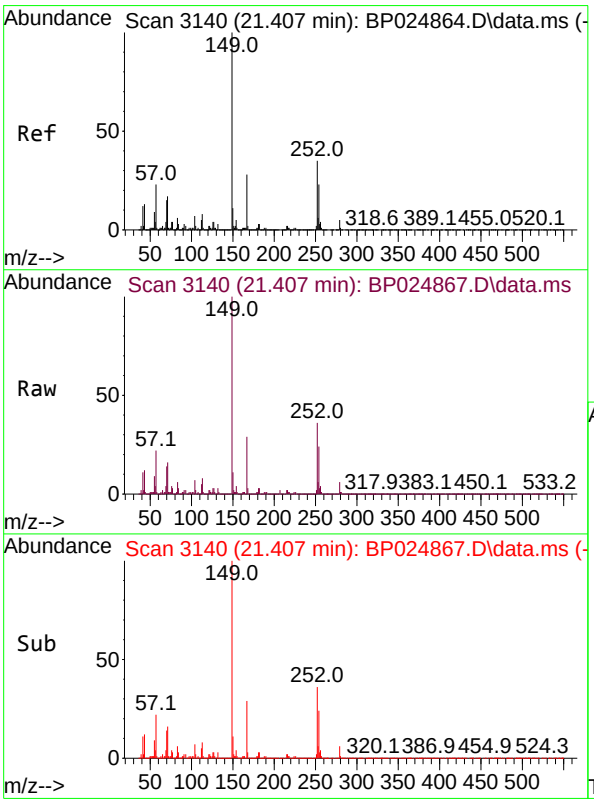
#83
Chrysene
Concen: 77.125 ng
RT: 21.536 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6294743

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	20.1	15.6	23.4

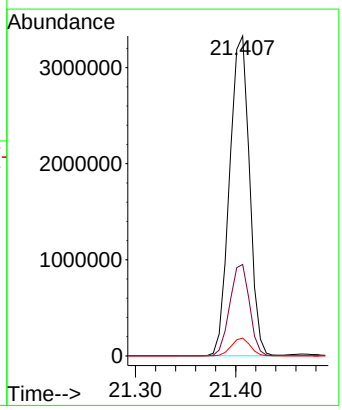


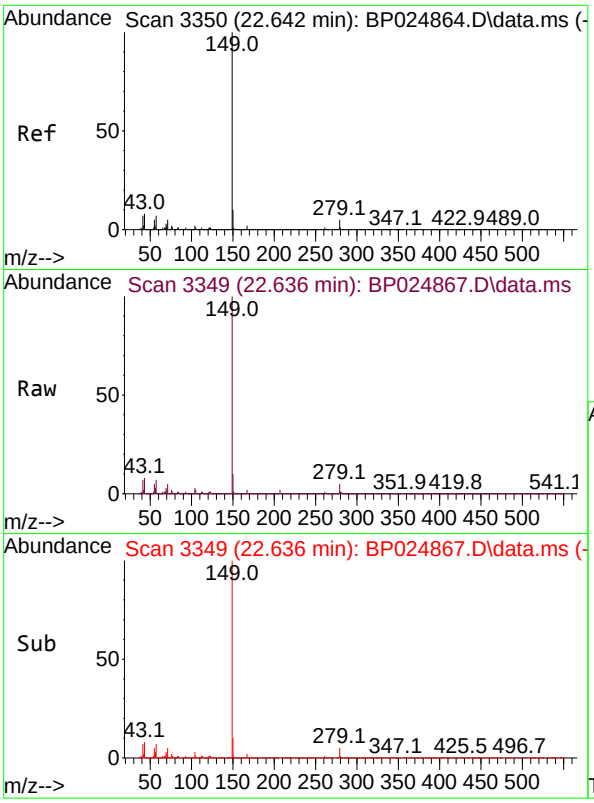


#84
Bis(2-ethylhexyl)phthalate
Concen: 82.917 ng
RT: 21.407 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 4578538

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.4
279	5.6	4.0	6.0



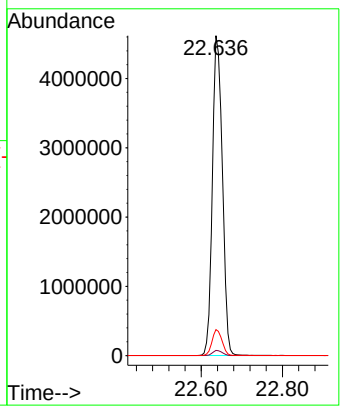


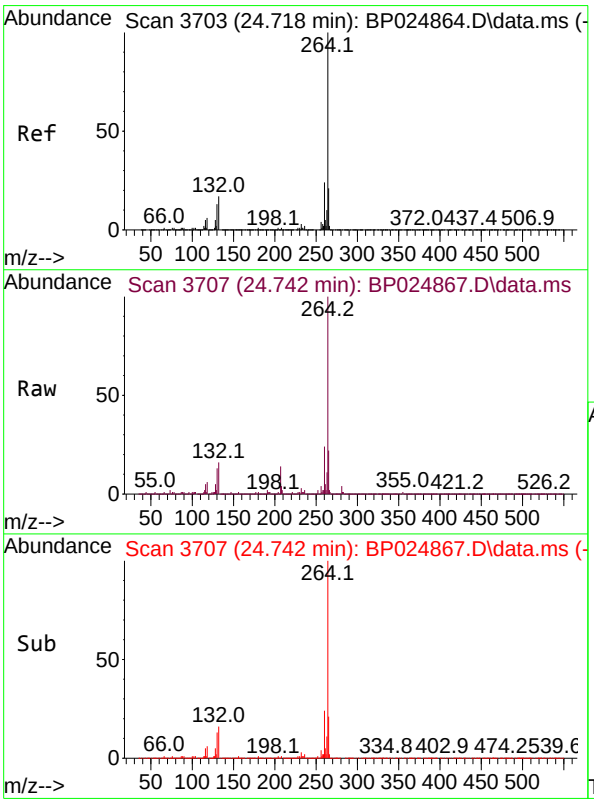
#85
Di-n-octyl phthalate
Concen: 81.539 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 7936082

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.6	10.0

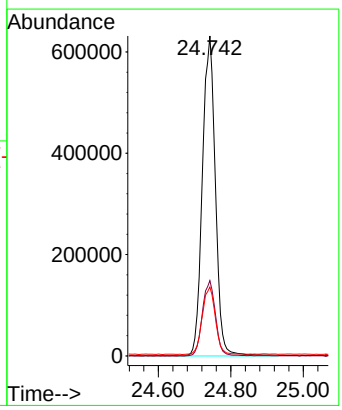


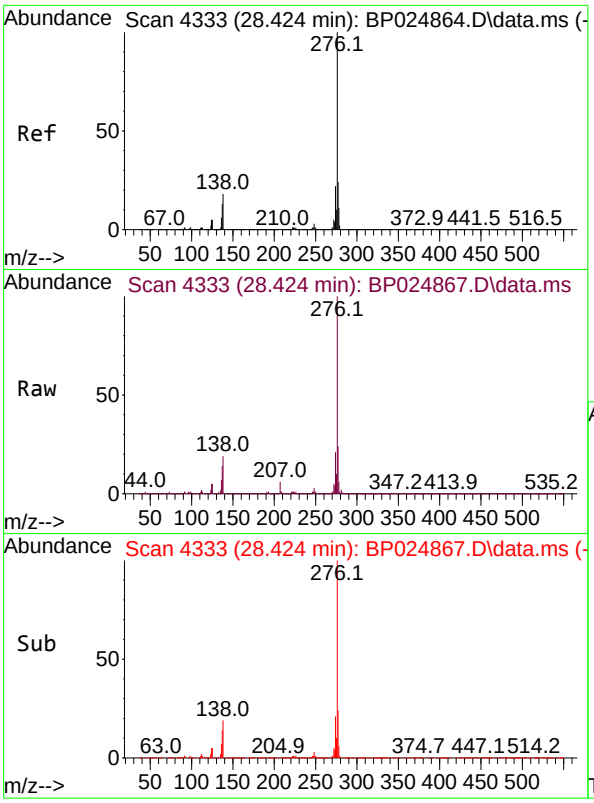


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.024 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:264 Resp: 1568664

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.5	17.4	26.0



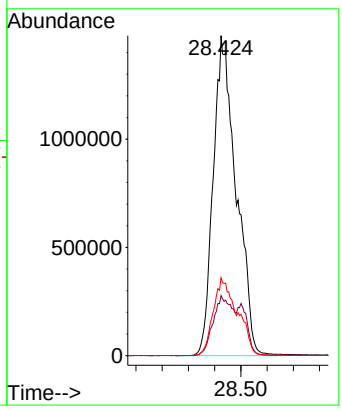


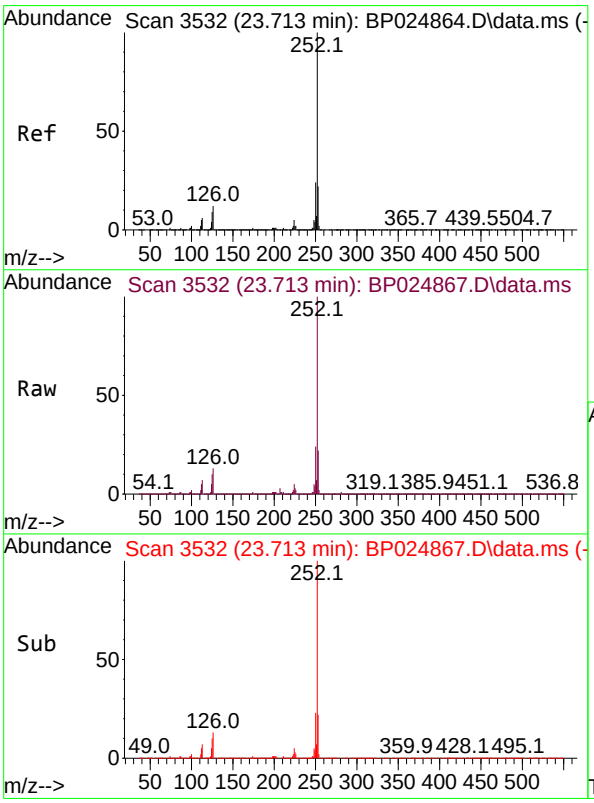
#87
Indeno(1,2,3-cd)pyrene
Concen: 78.751 ng
RT: 28.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 9013339

Ion	Ratio	Lower	Upper
276	100		
138	16.1	18.6	27.8#
277	25.4	20.2	30.4

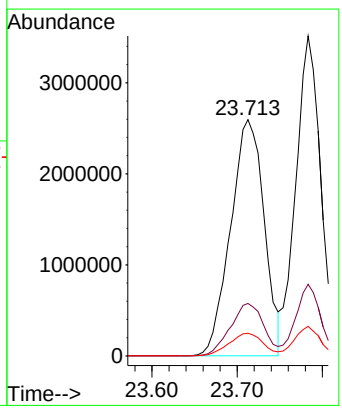


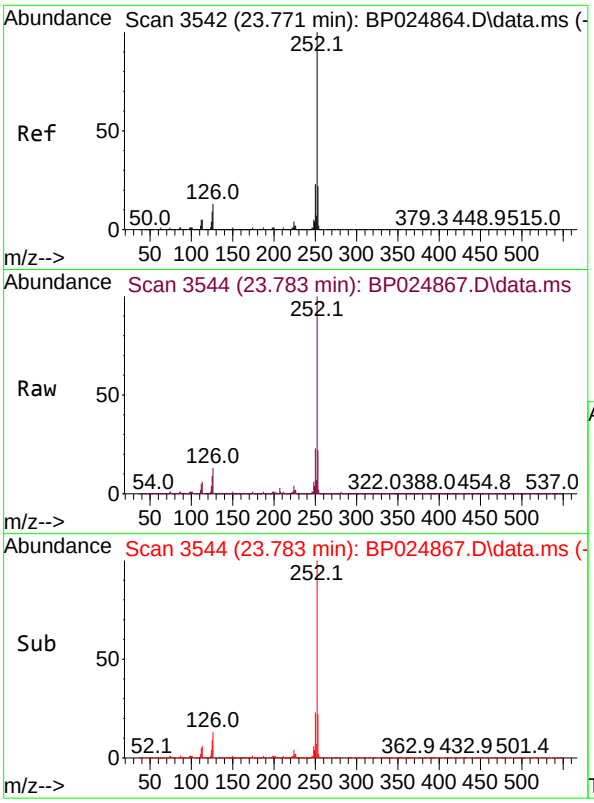


#88
Benzo(b)fluoranthene
Concen: 79.224 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 7112180

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.6	7.1	10.7



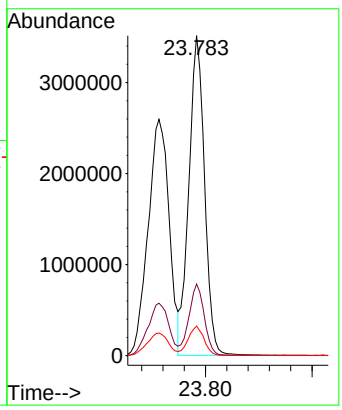


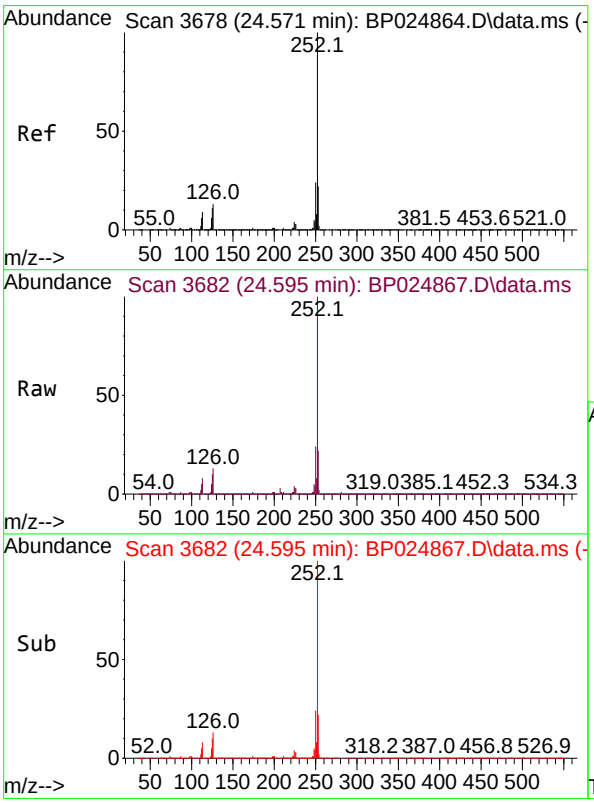
#89
Benzo(k)fluoranthene
Concen: 78.564 ng
RT: 23.783 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7179421

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.3	7.4	11.0

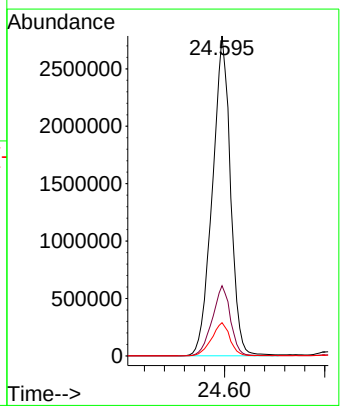


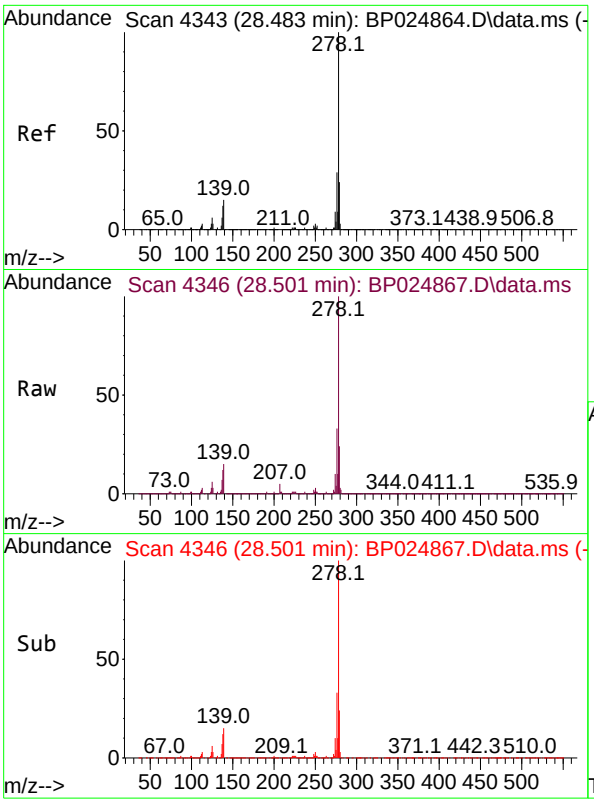


#90
Benzo(a)pyrene
Concen: 79.653 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 6983429

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	8.8	13.2



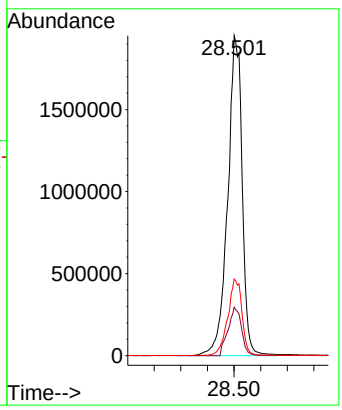


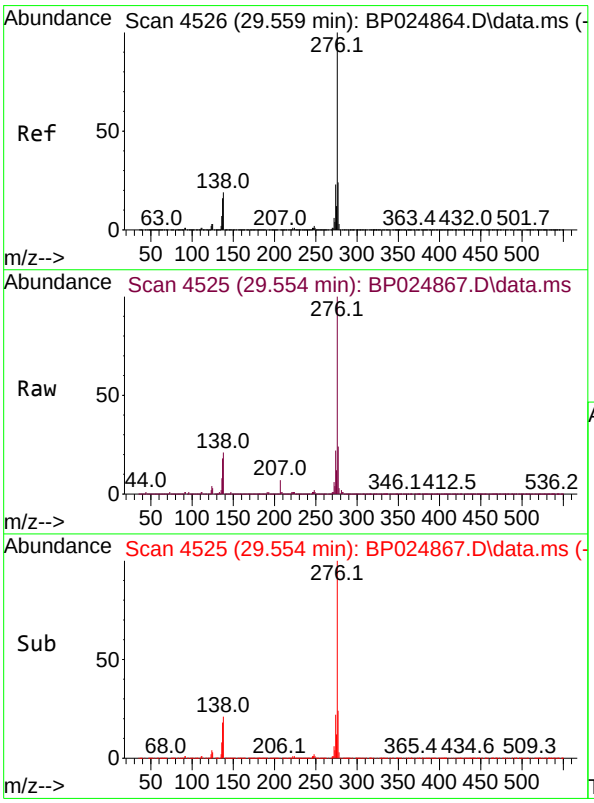
#91
Dibenzo(a,h)anthracene
Concen: 78.965 ng
RT: 28.501 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 7356566

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	23.9	19.1	28.7

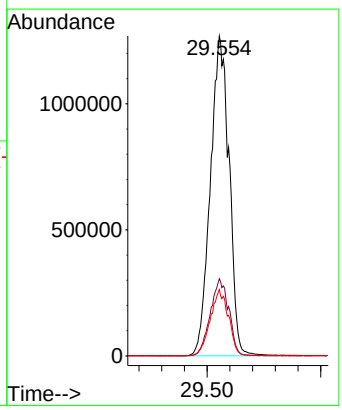




#92
Benzo(g,h,i)perylene
Concen: 78.545 ng
RT: 29.554 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:276 Resp: 7260298

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	20.7	15.4	23.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	259470	20.000	ng		-0.02
21) Naphthalene-d8	10.366	136	1129880	20.000	ng		-0.01
39) Acenaphthene-d10	14.248	164	734874	20.000	ng		0.00
64) Phenanthrene-d10	17.054	188	1466437	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1557824	20.000	ng		0.00
86) Perylene-d12	24.736	264	1860226	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.231	112	1138471	73.239	ng		-0.01
7) Phenol-d6	6.802	99	1573129	76.488	ng		-0.01
23) Nitrobenzene-d5	8.749	82	1561363	67.150	ng		-0.01
42) 2,4,6-Tribromophenol	15.778	330	743311	73.160	ng		0.00
45) 2-Fluorobiphenyl	12.848	172	3405857	62.434	ng		-0.01
79) Terphenyl-d14	19.789	244	5436960	62.551	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	241705	35.338	ng		98
3) Pyridine	3.555	79	659477	40.092	ng		98
4) n-Nitrosodimethylamine	3.467	42	278482	41.411	ng		94
6) Aniline	6.937	93	1054913	40.192	ng		100
8) 2-Chlorophenol	7.172	128	687858	39.034	ng		97
9) Benzaldehyde	6.755	77	576121m	48.599	ng		
10) Phenol	6.825	94	845877	39.895	ng		98
11) bis(2-Chloroethyl)ether	7.031	93	656501	39.368	ng		99
12) 1,3-Dichlorobenzene	7.490	146	735256	37.402	ng		99
13) 1,4-Dichlorobenzene	7.631	146	742188	37.417	ng		99
14) 1,2-Dichlorobenzene	7.943	146	722064	37.071	ng		99
15) Benzyl Alcohol	7.843	79	644939	40.859	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.125	45	849644	38.927	ng		98
17) 2-Methylphenol	8.055	107	591959	39.981	ng		98
18) Hexachloroethane	8.660	117	277433	37.151	ng		98
19) n-Nitroso-di-n-propyla...	8.402	70	559389	40.009	ng		99
20) 3+4-Methylphenols	8.384	107	797217	39.466	ng		99
22) Acetophenone	8.419	105	1100455	38.549	ng	#	99
24) Nitrobenzene	8.790	77	810932	39.258	ng		99
25) Isophorone	9.313	82	1576033	39.109	ng		99
26) 2-Nitrophenol	9.496	139	403179	39.558	ng		99
27) 2,4-Dimethylphenol	9.566	122	676106	38.761	ng		99
28) bis(2-Chloroethoxy)met...	9.784	93	921897	38.351	ng		99
29) 2,4-Dichlorophenol	10.043	162	653496	39.046	ng		99
30) 1,2,4-Trichlorobenzene	10.231	180	689288	36.514	ng		100
31) Naphthalene	10.413	128	2147539	37.089	ng		100
32) Benzoic acid	9.749	122	476446	40.420	ng		99
33) 4-Chloroaniline	10.543	127	960185	39.581	ng		99
34) Hexachlorobutadiene	10.696	225	413168	36.314	ng		100
35) Caprolactam	11.337	113	254008	41.229	ng		98
36) 4-Chloro-3-methylphenol	11.690	107	781340	40.474	ng		100
37) 2-Methylnaphthalene	12.037	142	1411483	38.430	ng		99
38) 1-Methylnaphthalene	12.254	142	1479329	37.674	ng		97
40) 1,2,4,5-Tetrachloroben...	12.413	216	774379	37.136	ng		100
41) Hexachlorocyclopentadiene	12.384	237	485560	38.177	ng		97
43) 2,4,6-Trichlorophenol	12.666	196	543521	38.812	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	585859	39.064	ng	99
46) 1,1'-Biphenyl	13.066	154	2002791	37.502	ng	99
47) 2-Chloronaphthalene	13.107	162	1514031	36.886	ng	100
48) 2-Nitroaniline	13.331	65	515024	40.813	ng	99
49) Acenaphthylene	13.966	152	2551023	37.274	ng	100
50) Dimethylphthalate	13.707	163	2015820	37.185	ng	99
51) 2,6-Dinitrotoluene	13.831	165	445393	38.111	ng	95
52) Acenaphthene	14.313	154	1469566	37.472	ng	98
53) 3-Nitroaniline	14.172	138	492714	40.626	ng	100
54) 2,4-Dinitrophenol	14.401	184	266900	38.197	ng	98
55) Dibenzofuran	14.660	168	2304340	36.605	ng	98
56) 4-Nitrophenol	14.531	139	362887	38.363	ng	94
57) 2,4-Dinitrotoluene	14.637	165	636513	38.936	ng	99
58) Fluorene	15.319	166	1883765	37.043	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.901	232	514561	38.401	ng	100
60) Diethylphthalate	15.101	149	2033664	37.642	ng	99
61) 4-Chlorophenyl-phenyle...	15.313	204	915384	36.814	ng	98
62) 4-Nitroaniline	15.366	138	464418	42.233	ng	99
63) Azobenzene	15.619	77	1893664	38.217	ng	99
65) 4,6-Dinitro-2-methylph...	15.425	198	375376	38.956	ng	97
66) n-Nitrosodiphenylamine	15.542	169	1674745	36.846	ng	99
67) 4-Bromophenyl-phenylether	16.237	248	593842	35.890	ng	98
68) Hexachlorobenzene	16.348	284	725771	36.182	ng	100
69) Atrazine	16.531	200	611440	37.108	ng	99
70) Pentachlorophenol	16.719	266	407441	39.247	ng	99
71) Phenanthrene	17.107	178	2965530	36.595	ng	99
72) Anthracene	17.207	178	3028697	36.903	ng	99
73) Carbazole	17.489	167	2872120	37.755	ng	100
74) Di-n-butylphthalate	18.072	149	3440228	36.500	ng	100
75) Fluoranthene	19.195	202	3413021	36.337	ng	100
77) Benzidine	19.395	184	2156506	44.696	ng	100
78) Pyrene	19.572	202	3527120	36.241	ng	99
80) Butylbenzylphthalate	20.519	149	1664895	37.347	ng	99
81) Benzo(a)anthracene	21.472	228	3660732	36.741	ng	100
82) 3,3'-Dichlorobenzidine	21.395	252	1487801	37.613	ng	98
83) Chrysene	21.536	228	3438391	36.421	ng	99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2365859	37.041	ng	100
85) Di-n-octyl phthalate	22.642	149	4126479	36.654	ng	100
87) Indeno(1,2,3-cd)pyrene	28.436	276	5100289	37.578	ng	100
88) Benzo(b)fluoranthene	23.718	252	3910900	36.735	ng	99
89) Benzo(k)fluoranthene	23.795	252	3904662	36.032	ng	100
90) Benzo(a)pyrene	24.595	252	3839776	36.932	ng	100
91) Dibenzo(a,h)anthracene	28.501	278	4123111	37.321	ng	99
92) Benzo(g,h,i)perylene	29.577	276	4097986	37.385	ng	99

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

ICAL Form

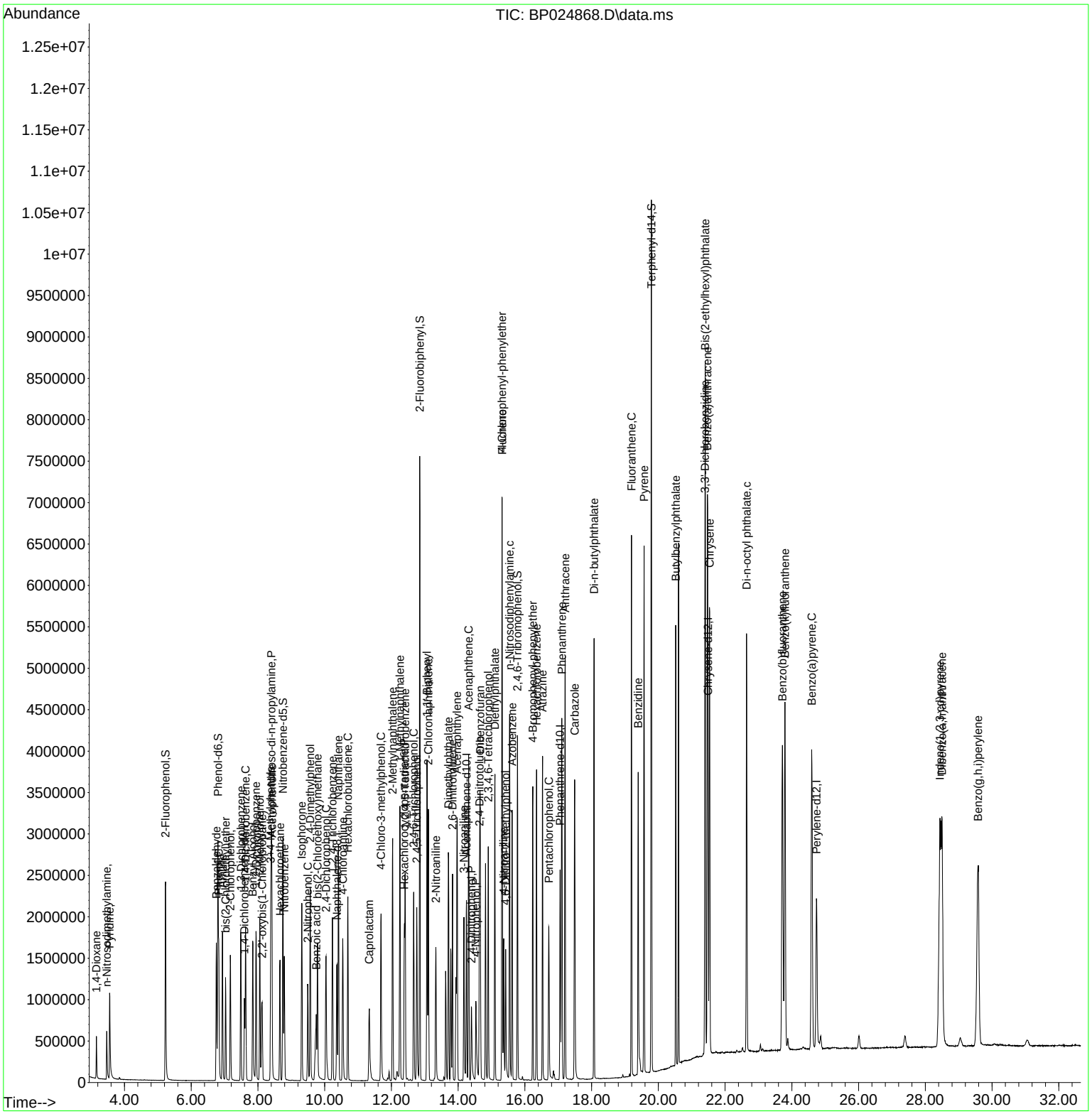
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

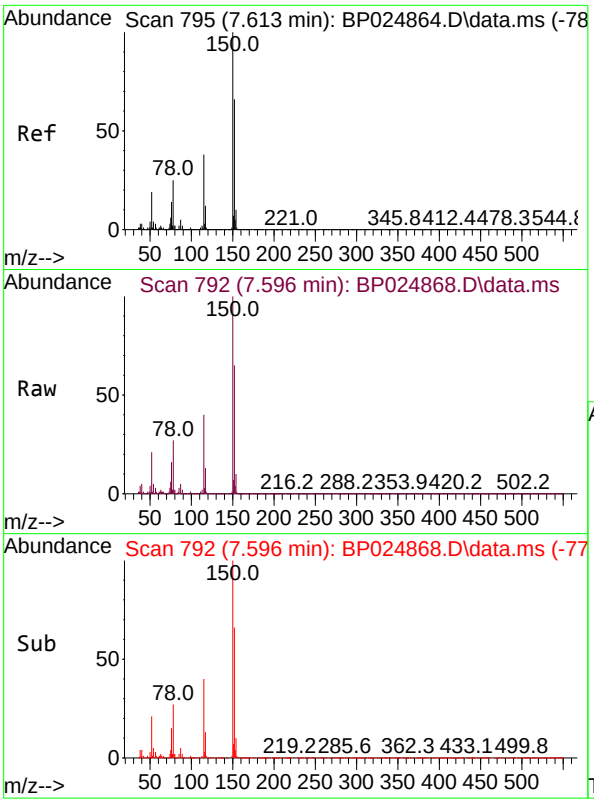
Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

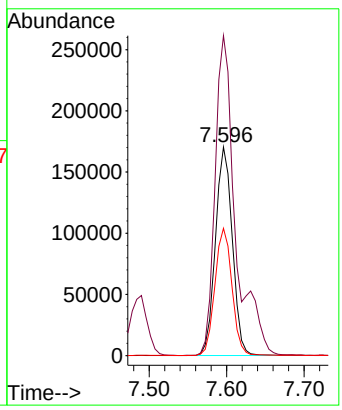




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.596 min Scan# 79
Delta R.T. -0.017 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:152 Resp: 25947

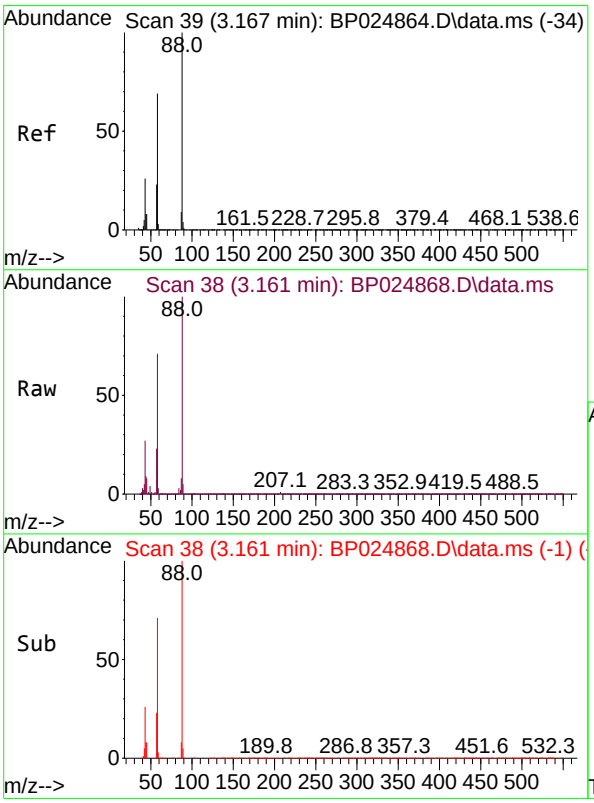
Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.1	183.1
115	61.0	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

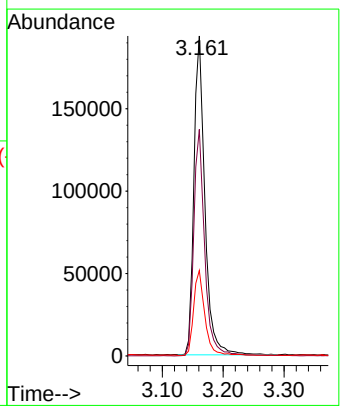
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

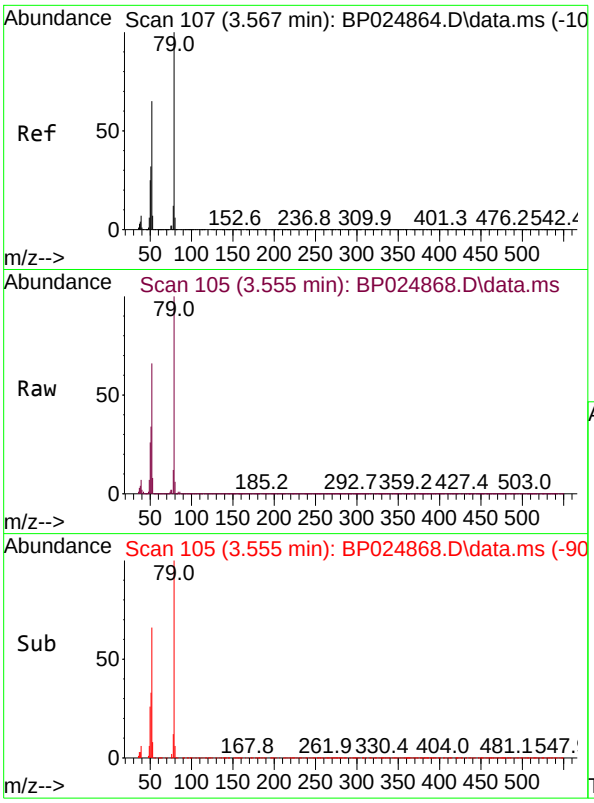


#2
1,4-Dioxane
Concen: 35.338 ng
RT: 3.161 min Scan# 38
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 88 Resp: 241705

Ion	Ratio	Lower	Upper
88	100		
58	71.0	55.4	83.0
43	27.0	20.8	31.2

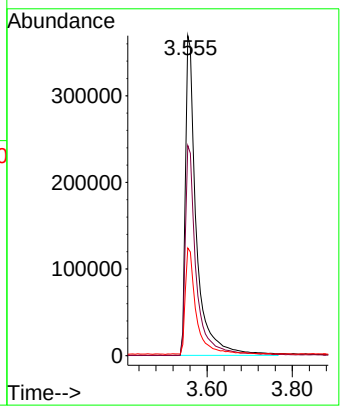




#3
Pyridine
Concen: 40.092 ng
RT: 3.555 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 79 Resp: 6594

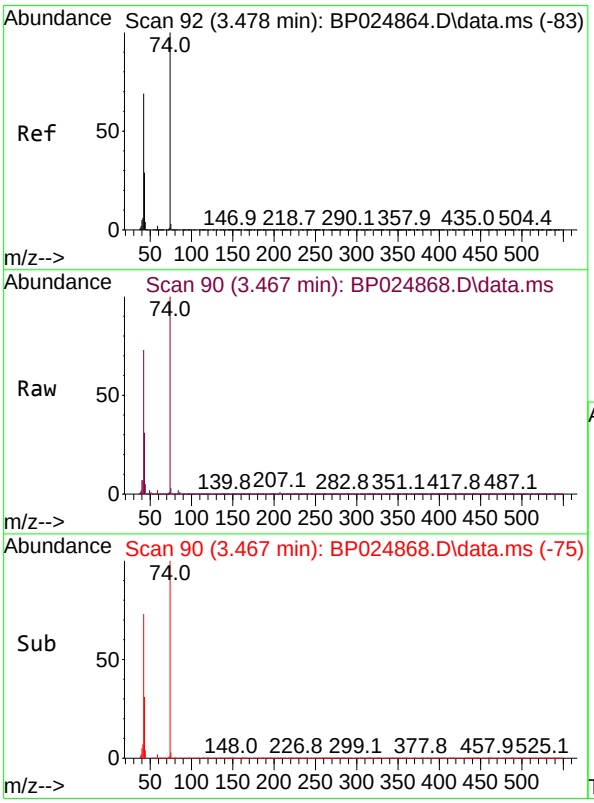
Ion	Ratio	Lower	Upper
79	100		
52	65.6	51.6	77.4
51	33.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

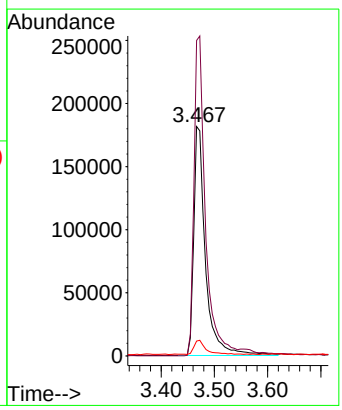
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

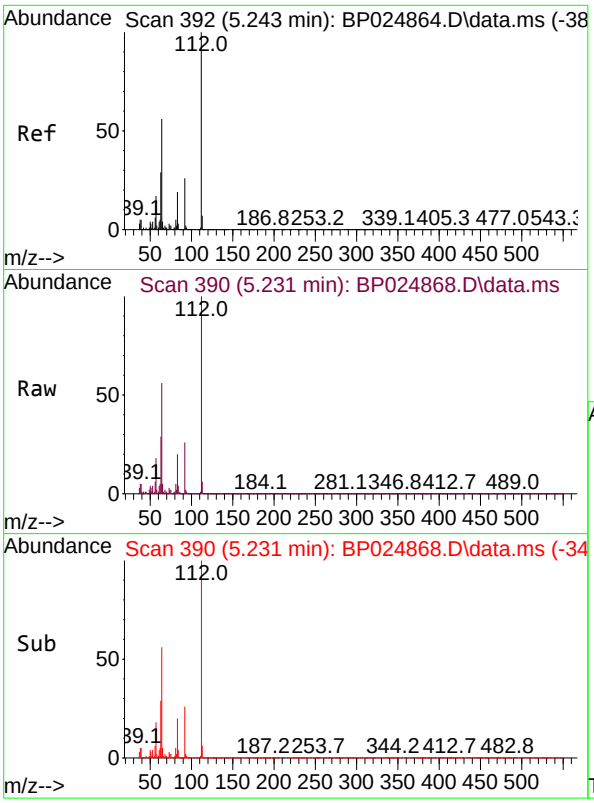


#4
n-Nitrosodimethylamine
Concen: 41.411 ng
RT: 3.467 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 42 Resp: 27848

Ion	Ratio	Lower	Upper
42	100		
74	137.6	116.6	174.8
44	6.4	5.4	8.0

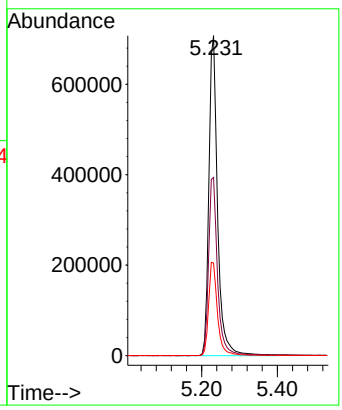




#5
2-Fluorophenol
Concen: 73.239 ng
RT: 5.231 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:112 Resp: 113847

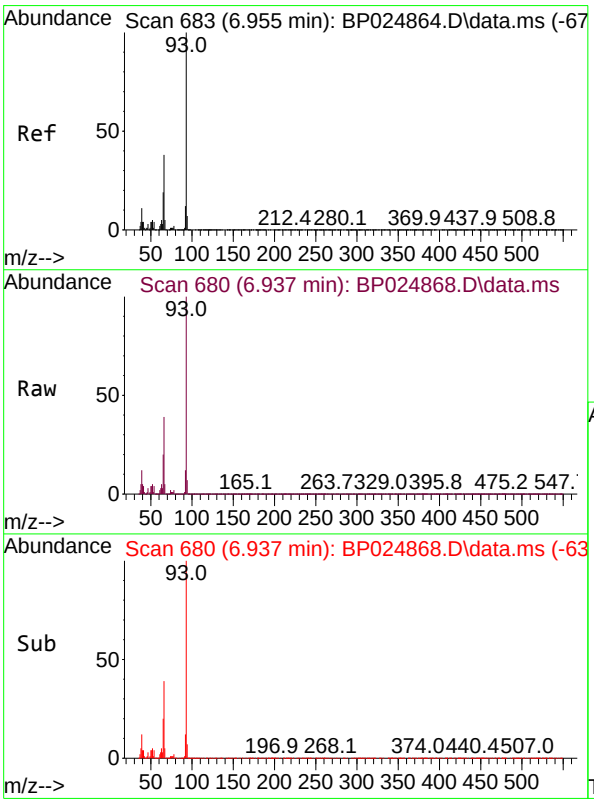
Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.7	67.1
63	28.9	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

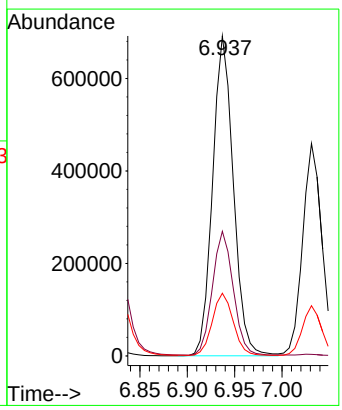
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

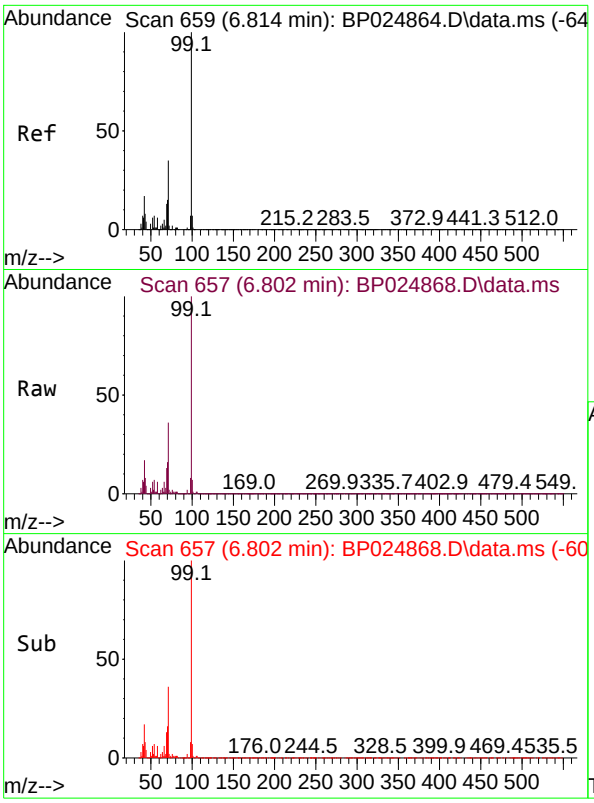


#6
Aniline
Concen: 40.192 ng
RT: 6.937 min Scan# 680
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 1054913

Ion	Ratio	Lower	Upper
93	100		
66	38.9	30.9	46.3
65	19.6	15.5	23.3

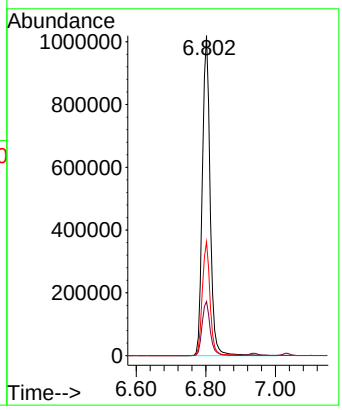




#7
Phenol-d6
Concen: 76.488 ng
RT: 6.802 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 99 Resp: 157312

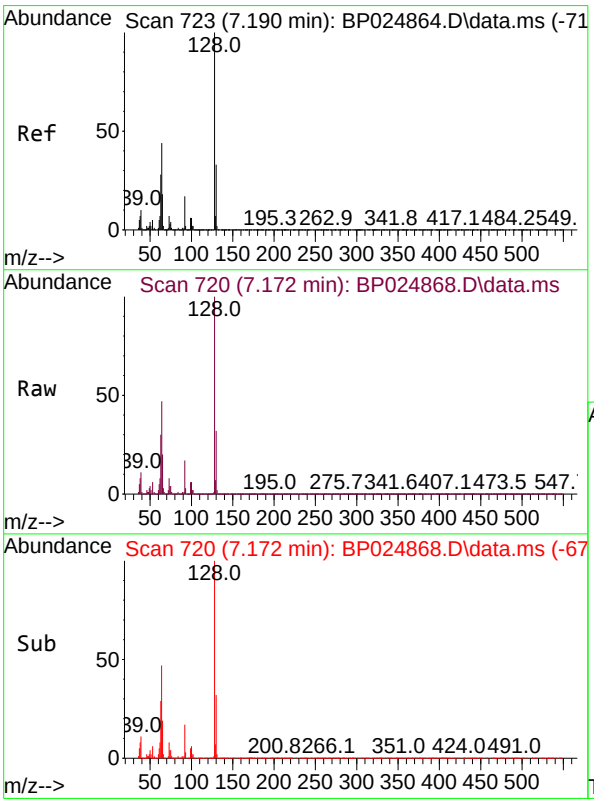
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.4	20.2
71	35.6	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

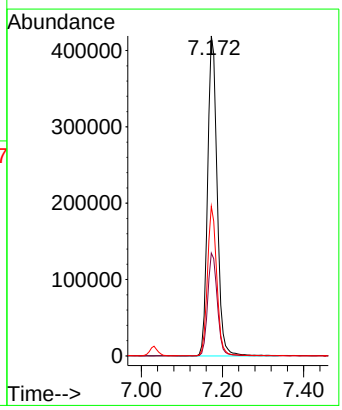
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

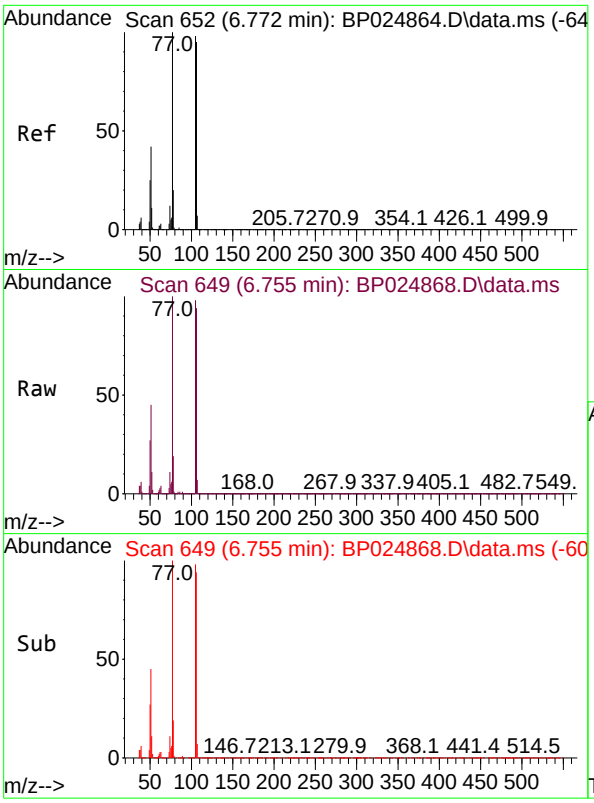


#8
2-Chlorophenol
Concen: 39.034 ng
RT: 7.172 min Scan# 720
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:128 Resp: 687858

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	46.7	24.1	64.1

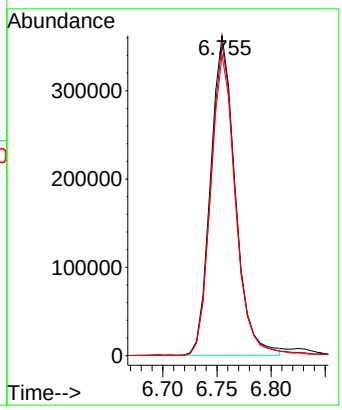




#9
Benzaldehyde
Concen: 48.599 ng m
RT: 6.755 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 57612

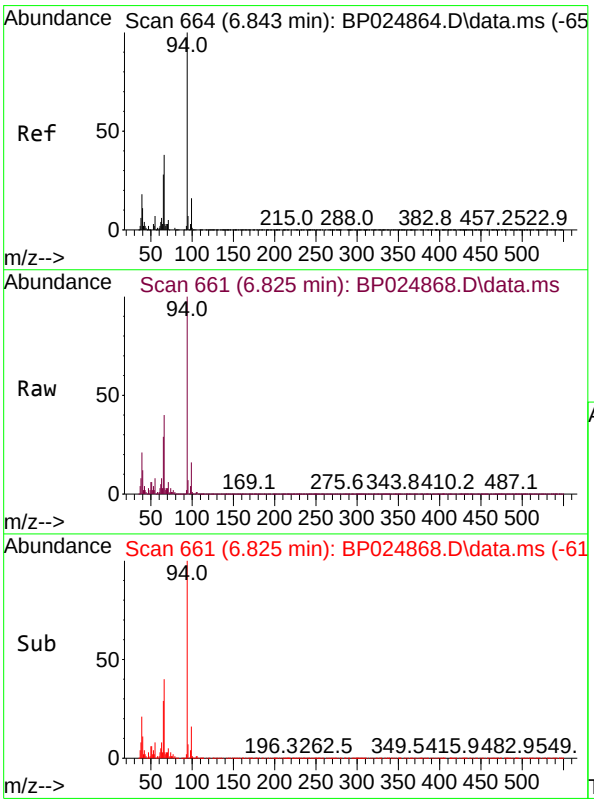
Ion	Ratio	Lower	Upper
77	100		
105	97.5	77.7	117.7
106	93.9	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

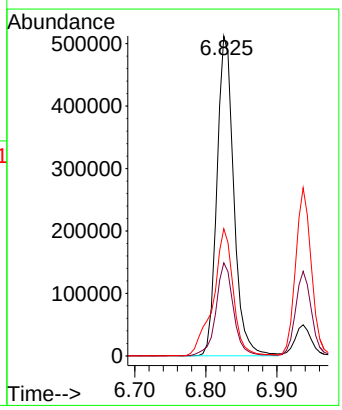
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

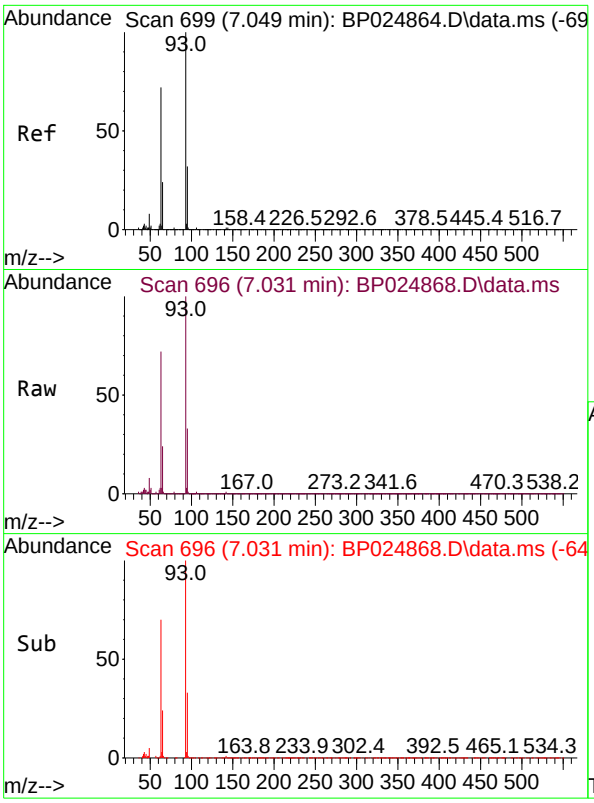


#10
Phenol
Concen: 39.895 ng
RT: 6.825 min Scan# 661
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 94 Resp: 845877

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.3	48.3
66	39.7	18.2	58.2

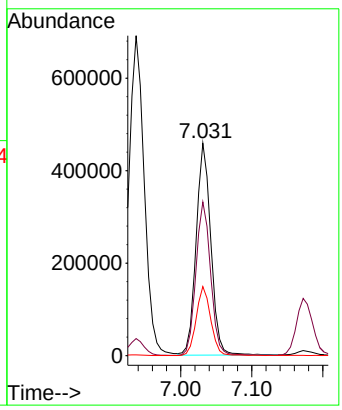




#11
bis(2-Chloroethyl)ether
Concen: 39.368 ng
RT: 7.031 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 65650

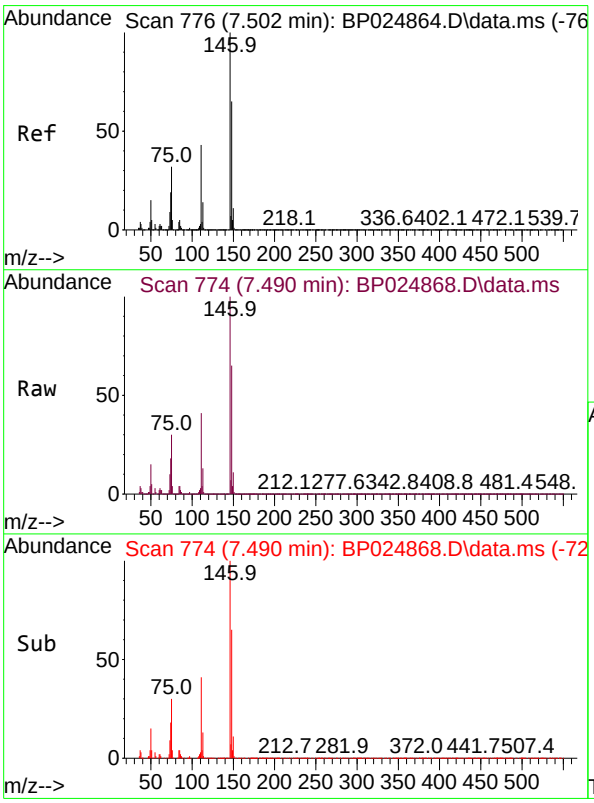
Ion	Ratio	Lower	Upper
93	100		
63	72.4	51.6	91.6
95	32.5	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

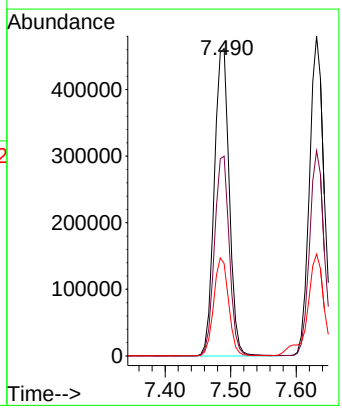
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

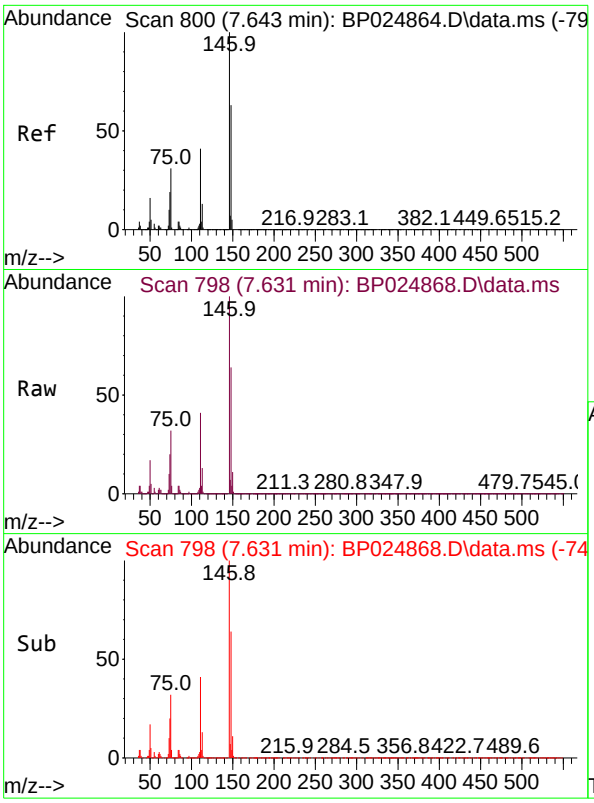


#12
1,3-Dichlorobenzene
Concen: 37.402 ng
RT: 7.490 min Scan# 774
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 735256

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.8	77.8
75	30.0	25.3	37.9

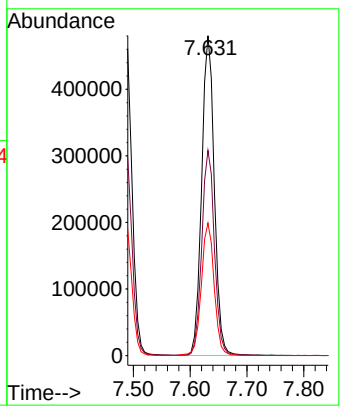




#13
1,4-Dichlorobenzene
Concen: 37.417 ng
RT: 7.631 min Scan# 79
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 74218

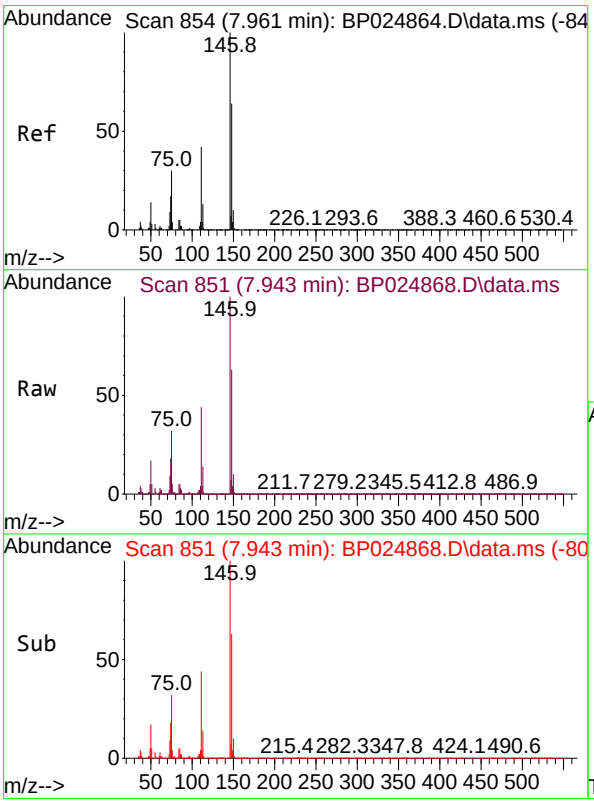
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	41.4	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

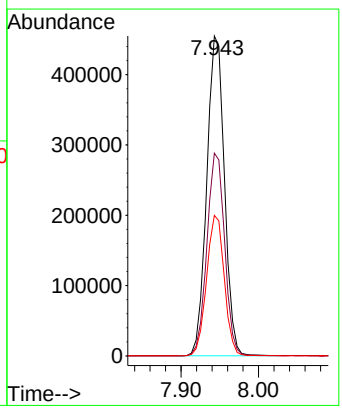
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

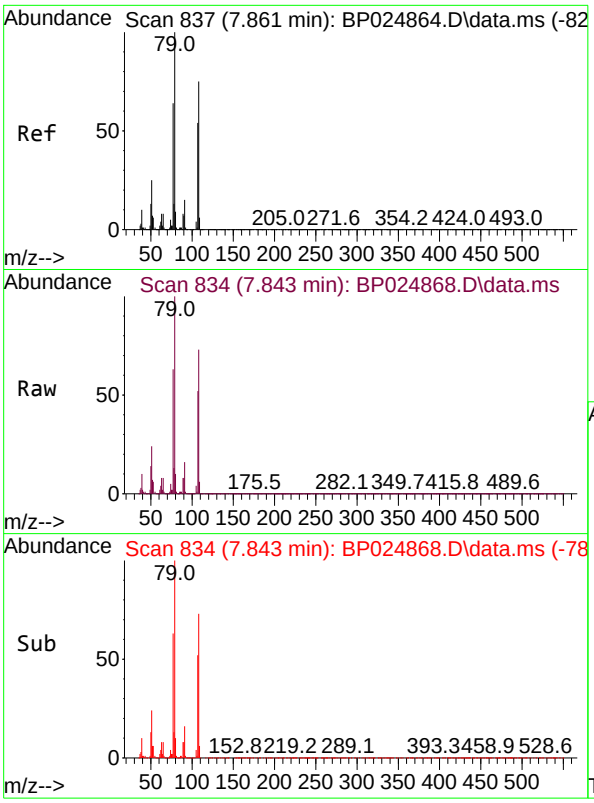


#14
1,2-Dichlorobenzene
Concen: 37.071 ng
RT: 7.943 min Scan# 851
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 722064

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.9	33.8	50.8

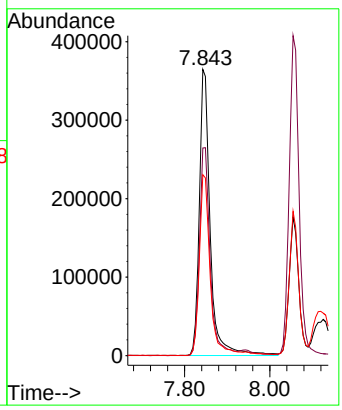




#15
Benzyl Alcohol
Concen: 40.859 ng
RT: 7.843 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 79 Resp: 64493

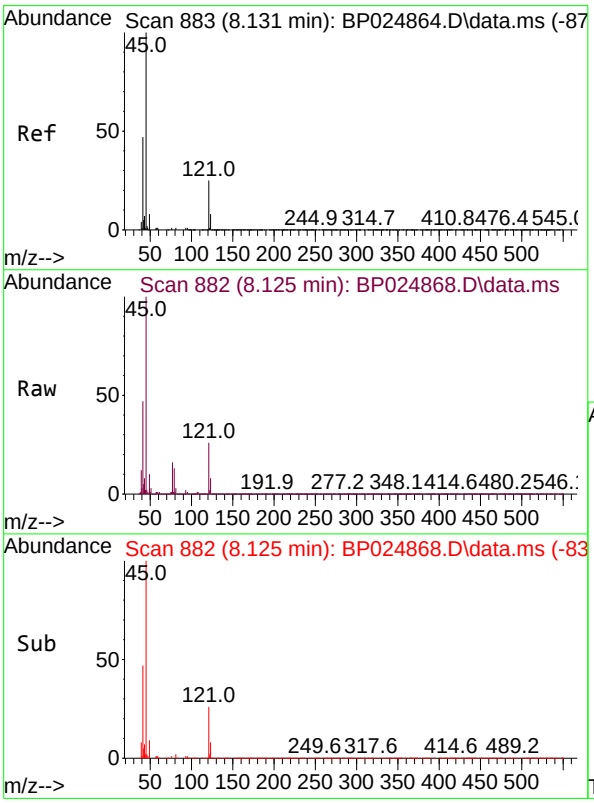
Ion	Ratio	Lower	Upper
79	100		
108	72.6	60.2	90.4
77	63.2	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

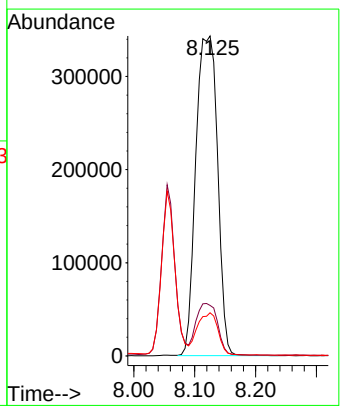
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.927 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 45 Resp: 849644

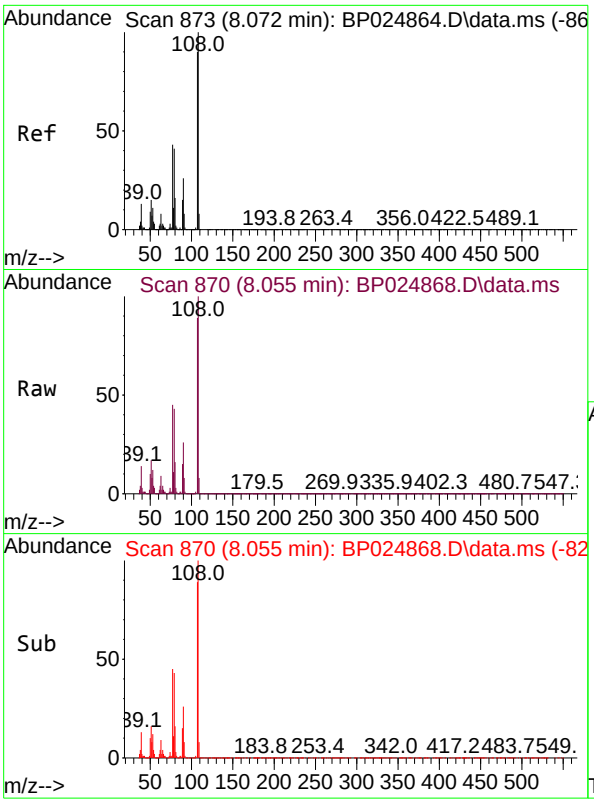
Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	36.3
79	13.5	0.0	32.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

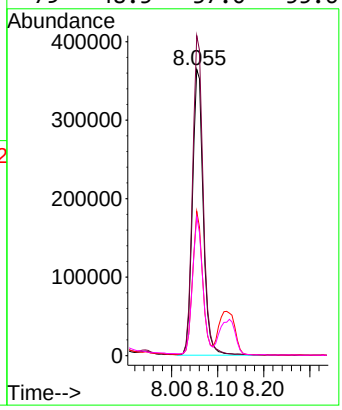
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

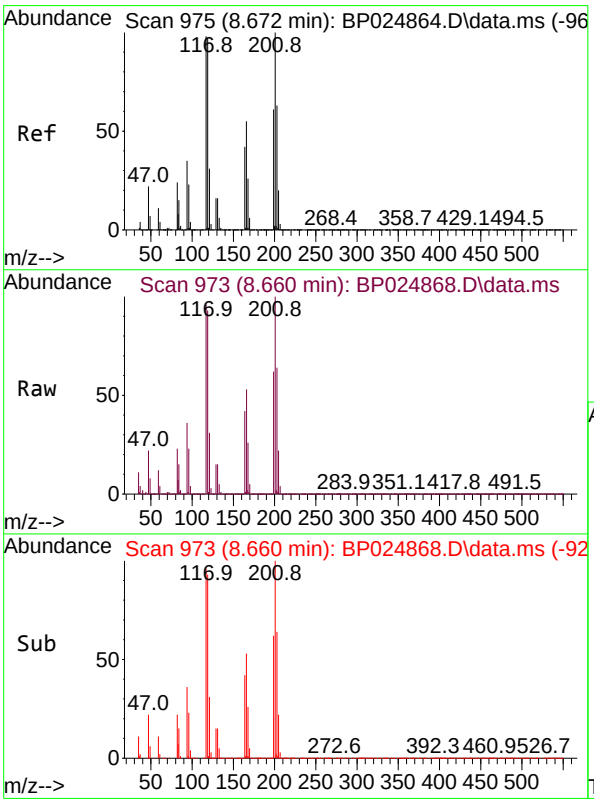


#17
2-Methylphenol
Concen: 39.981 ng
RT: 8.055 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 591959

Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.6	132.8
77	50.4	38.5	57.7
79	48.5	37.0	55.6

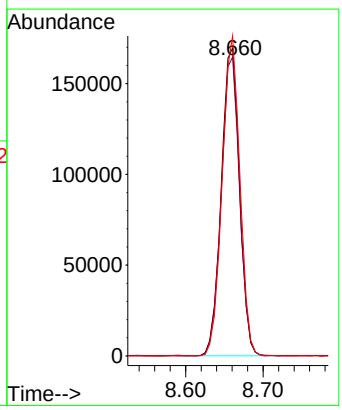


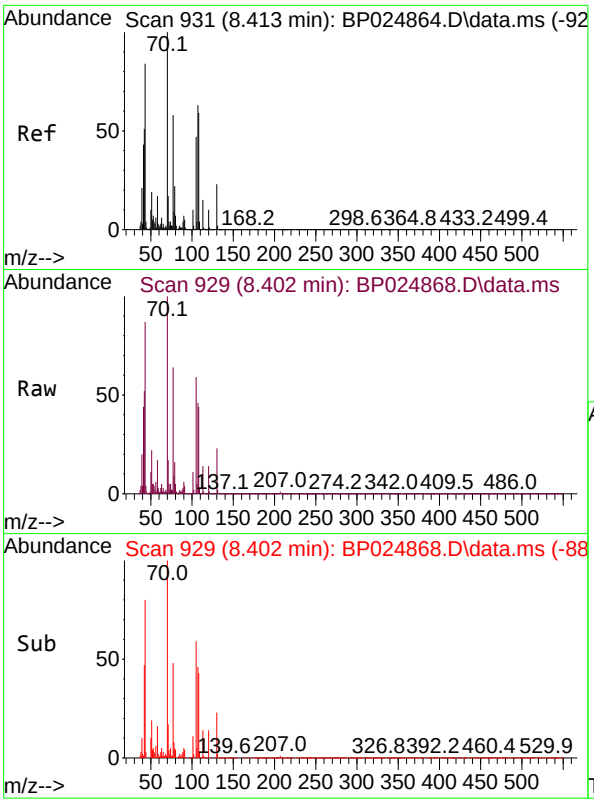


#18
Hexachloroethane
Concen: 37.151 ng
RT: 8.660 min Scan# 973
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:117 Resp: 277433

Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.4	119.2
201	104.0	81.4	122.2

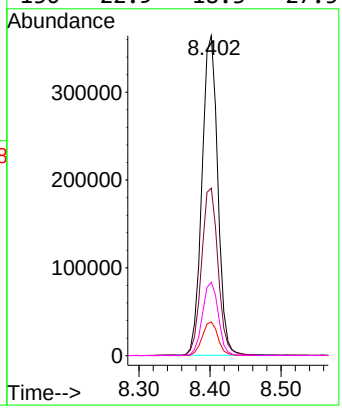




#19
n-Nitroso-di-n-propylamine
Concen: 40.009 ng
RT: 8.402 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 70 Resp: 55938

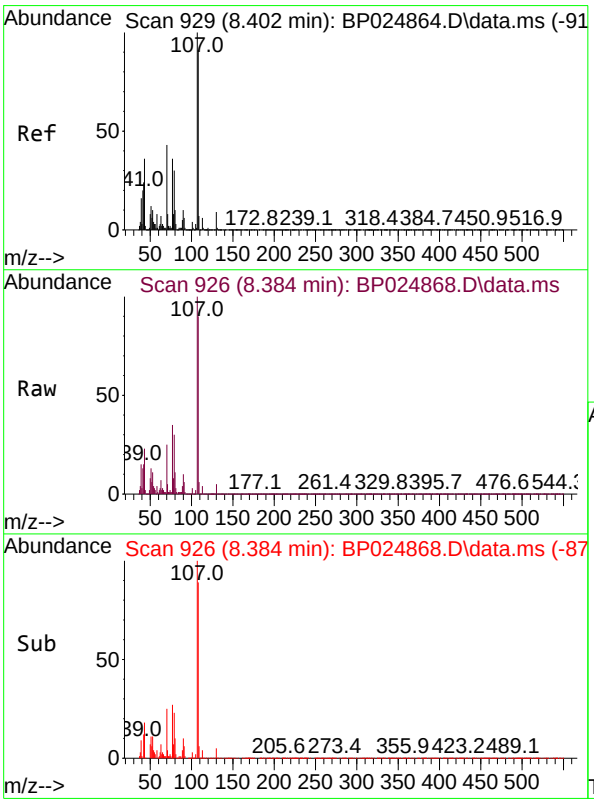
Ion	Ratio	Lower	Upper
70	100		
42	52.3	41.2	61.8
101	10.5	8.3	12.5
130	22.9	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

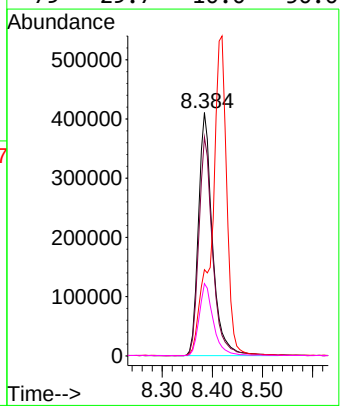
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

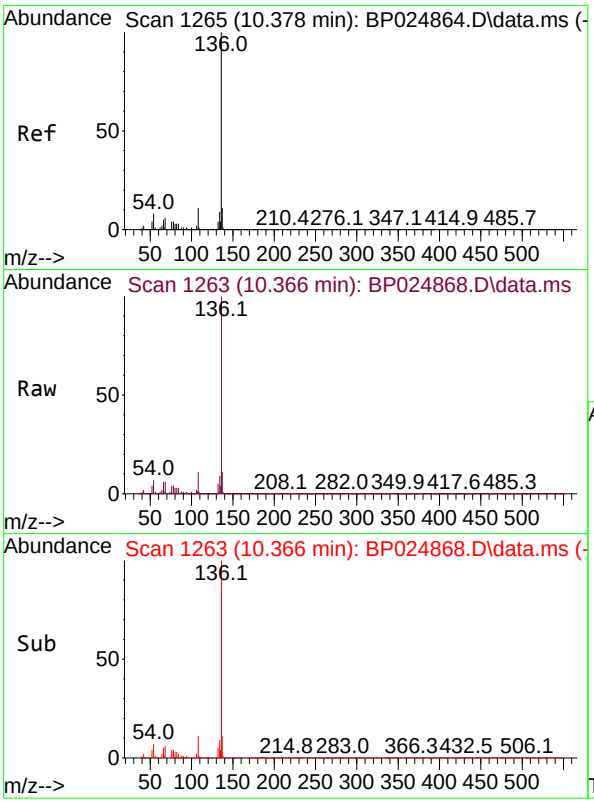


#20
3+4-Methylphenols
Concen: 39.466 ng
RT: 8.384 min Scan# 926
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 797217

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.7	110.7
77	35.4	16.6	56.6
79	29.7	10.0	50.0

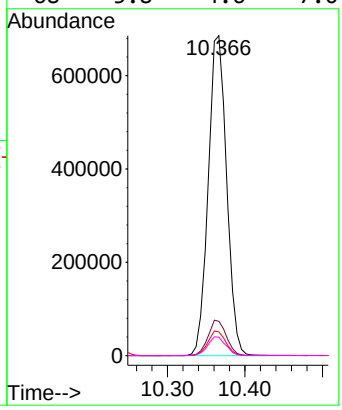




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.366 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:136 Resp: 112988

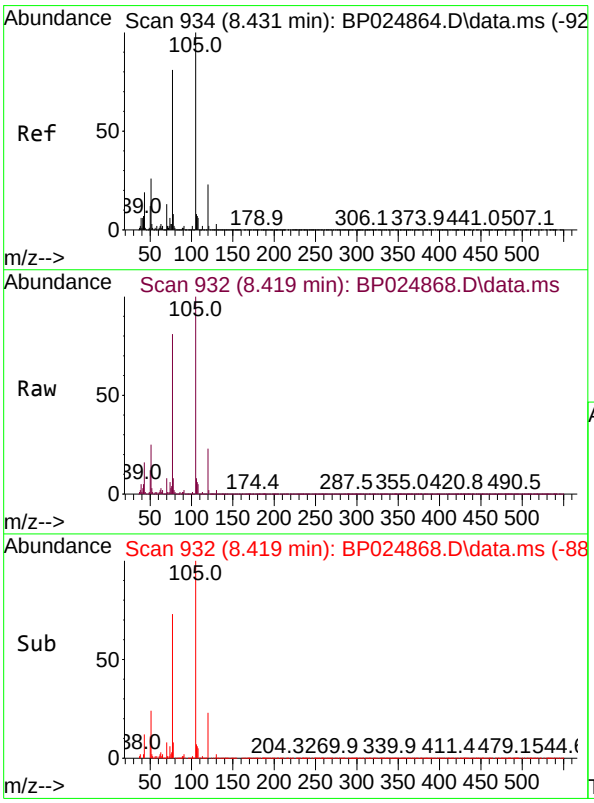
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

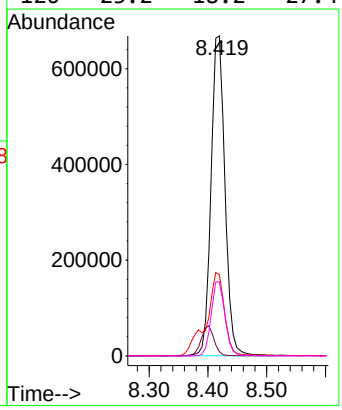
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

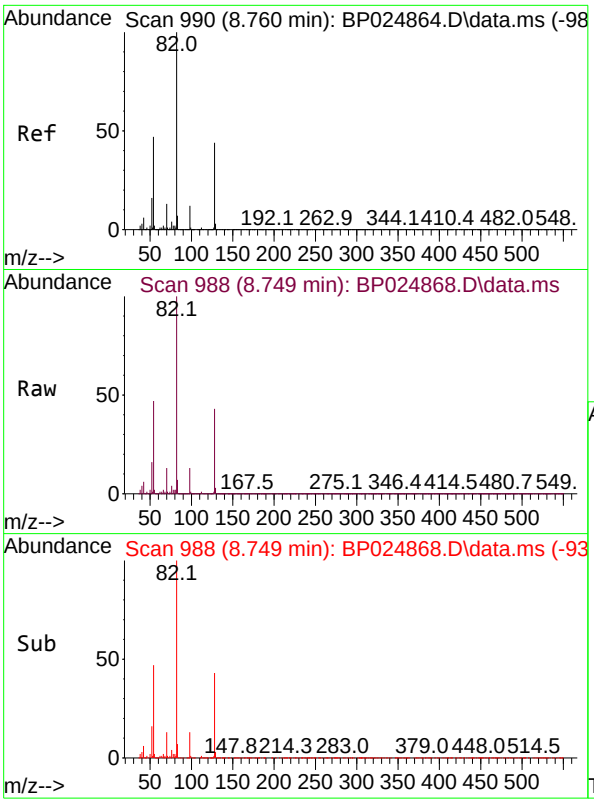


#22
Acetophenone
Concen: 38.549 ng
RT: 8.419 min Scan# 932
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:105 Resp: 1100455

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.6	2.4#
51	25.4	20.6	31.0
120	23.2	18.2	27.4

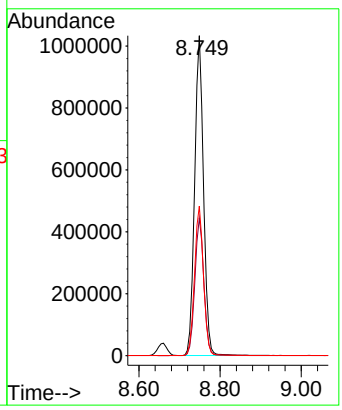




#23
Nitrobenzene-d5
Concen: 67.150 ng
RT: 8.749 min Scan# 98
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 82 Resp: 156136

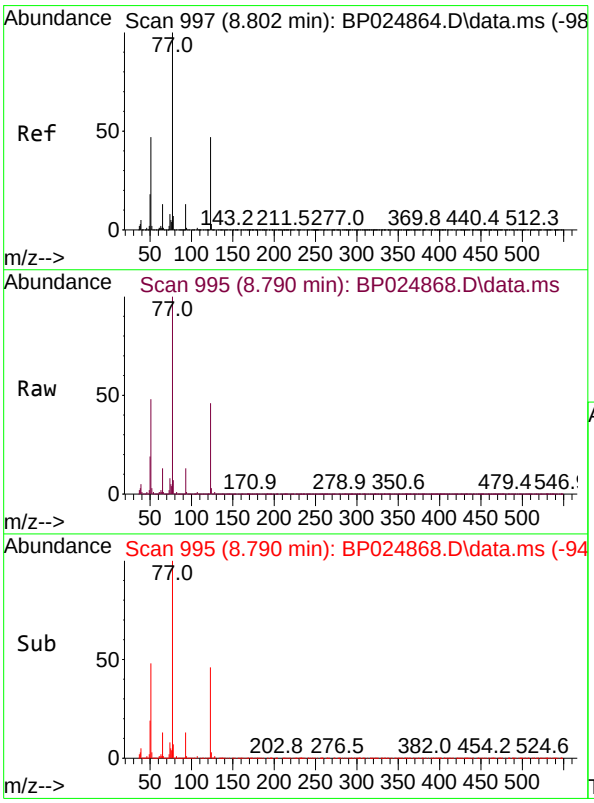
Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.3	52.9
54	46.7	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

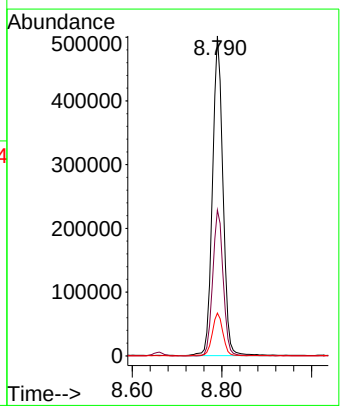
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

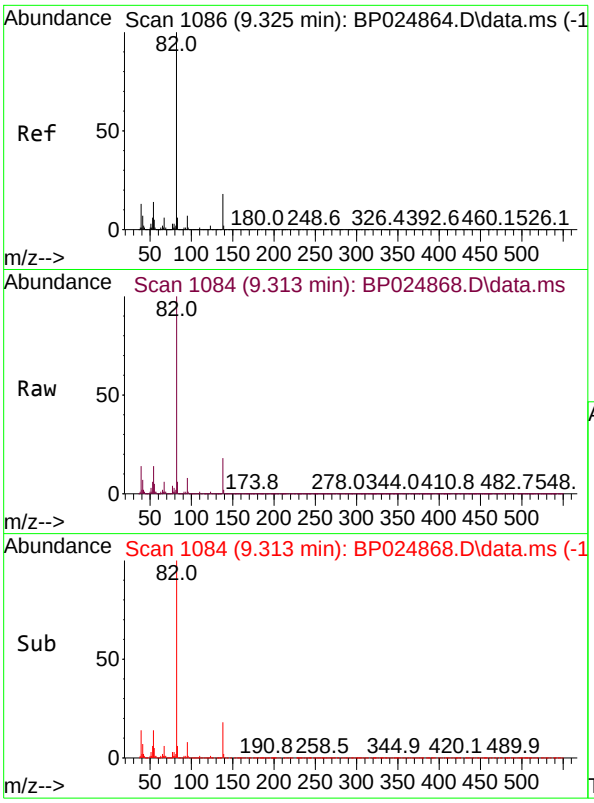


#24
Nitrobenzene
Concen: 39.258 ng
RT: 8.790 min Scan# 995
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 810932

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	13.4	10.8	16.2





#25
Isophorone
Concen: 39.109 ng
RT: 9.313 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

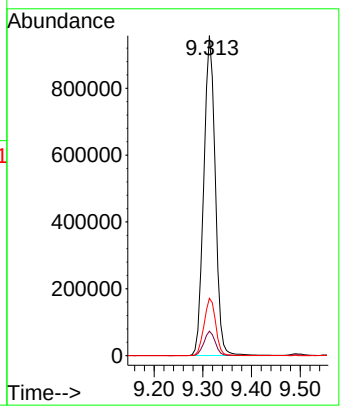
Tgt Ion: 82 Resp: 157603

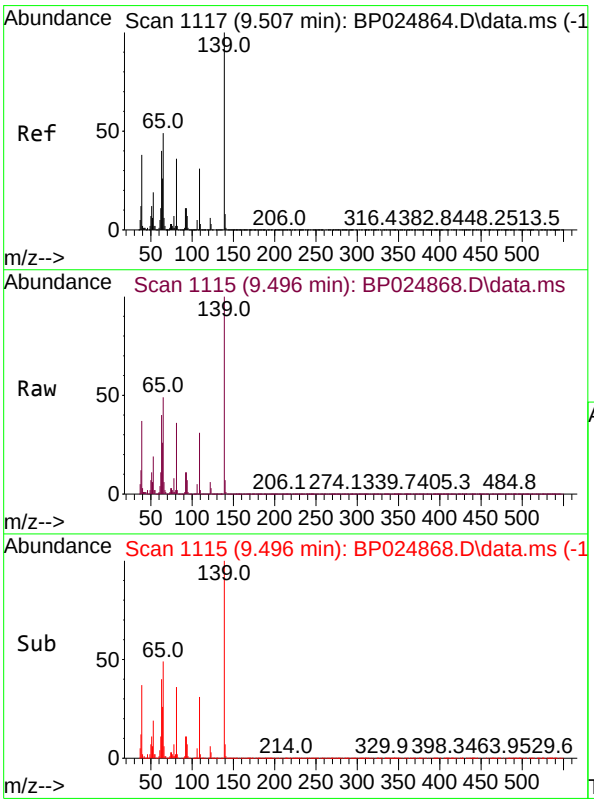
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	17.9	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

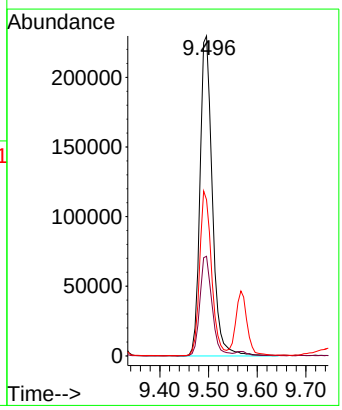


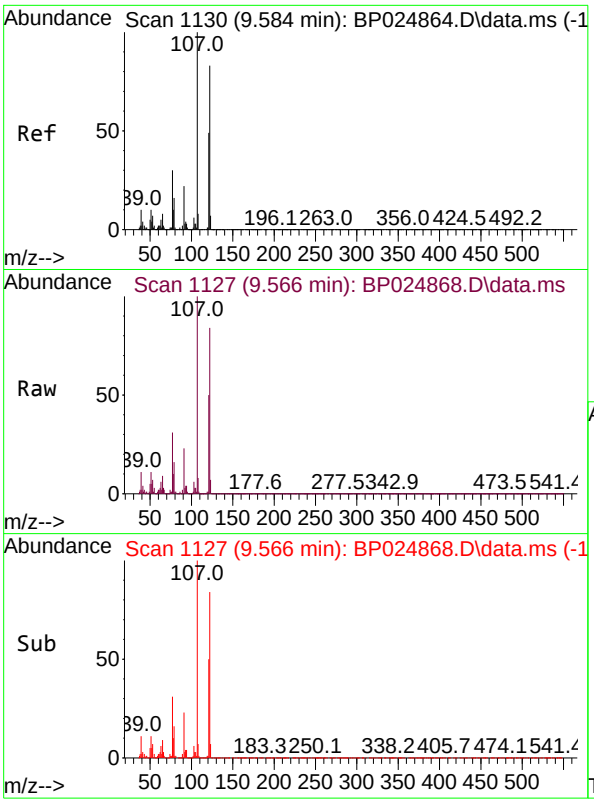


#26
2-Nitrophenol
Concen: 39.558 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:139 Resp: 403179

Ion	Ratio	Lower	Upper
139	100		
109	31.1	24.6	37.0
65	48.9	39.5	59.3

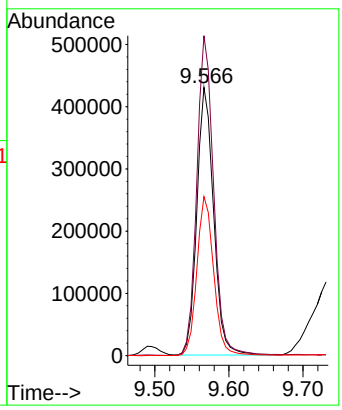




#27
2,4-Dimethylphenol
Concen: 38.761 ng
RT: 9.566 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:122 Resp: 67610

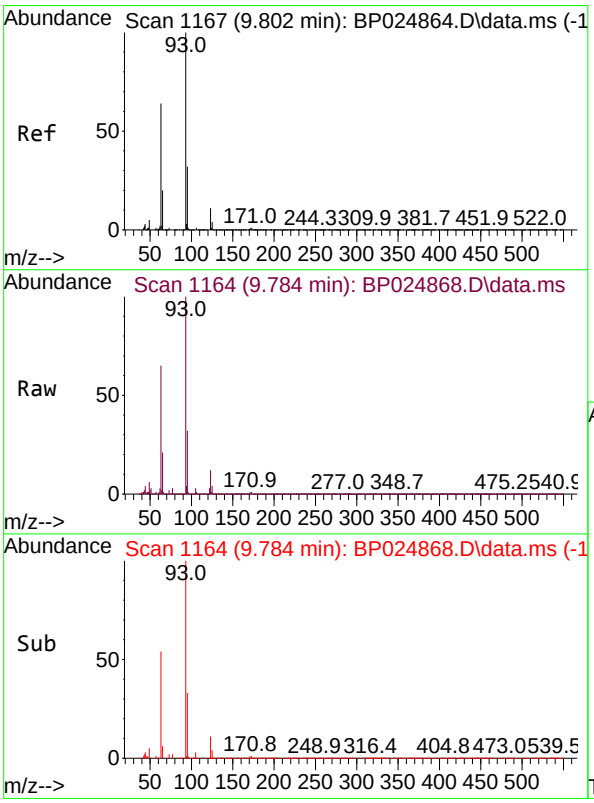
Ion	Ratio	Lower	Upper
122	100		
107	119.3	96.2	144.4
121	59.3	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

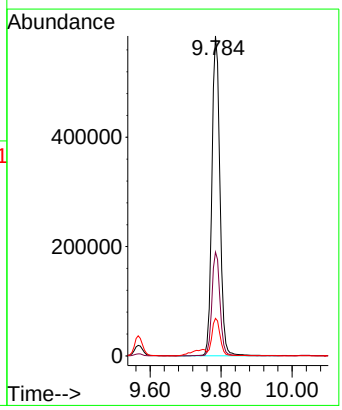
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

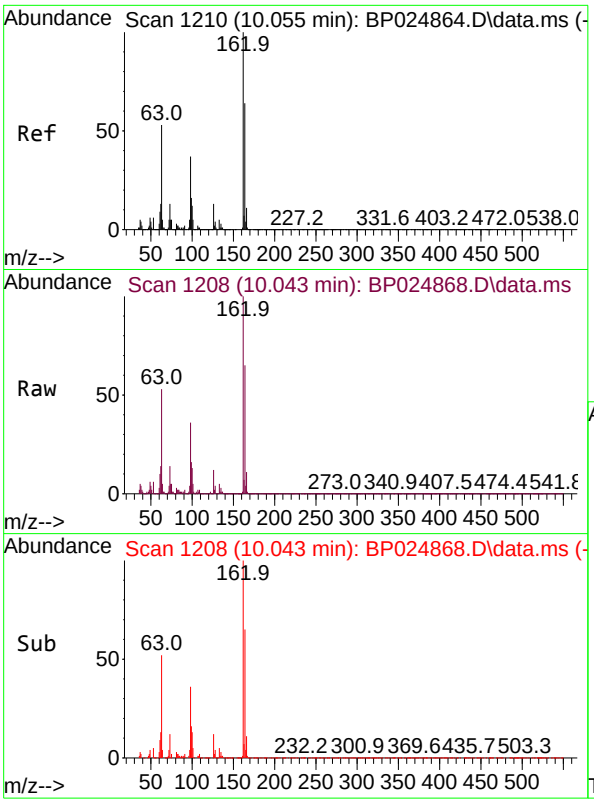


#28
bis(2-Chloroethoxy)methane
Concen: 38.351 ng
RT: 9.784 min Scan# 1164
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 921897

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.7	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 39.046 ng
RT: 10.043 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

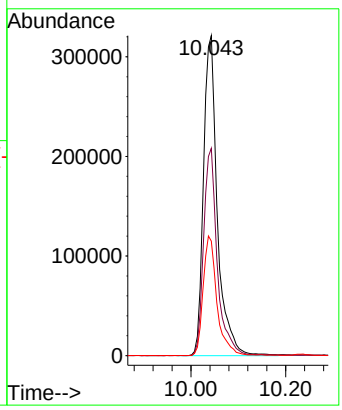
Tgt Ion:162 Resp: 65349

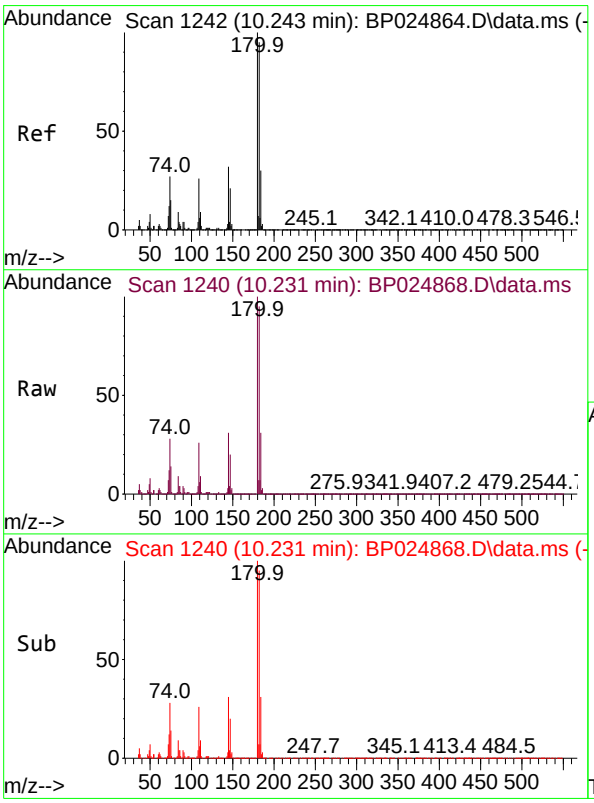
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.0	84.0
98	35.8	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

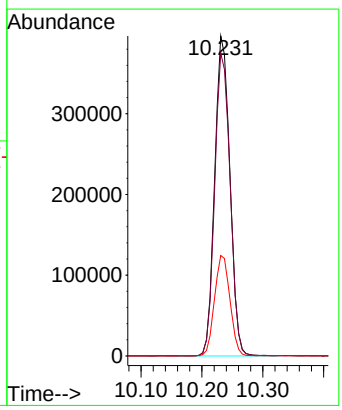


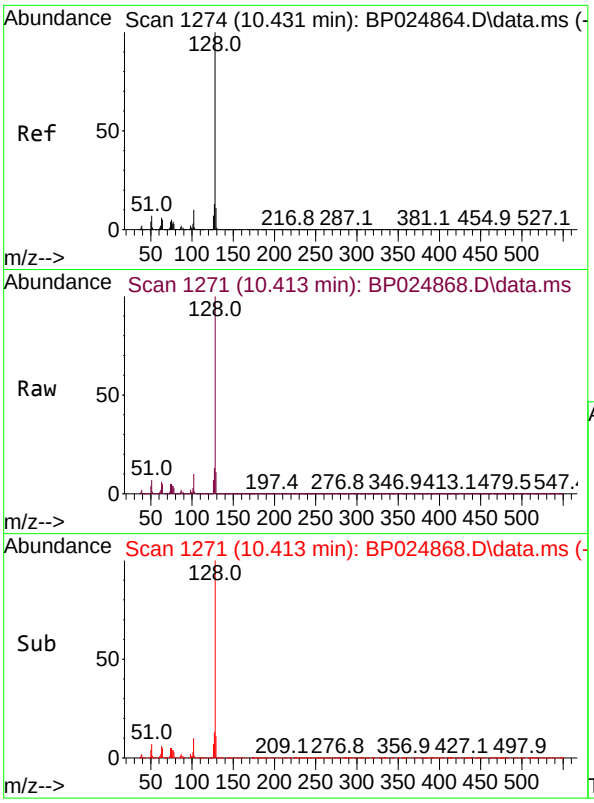


#30
1,2,4-Trichlorobenzene
Concen: 36.514 ng
RT: 10.231 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:180 Resp: 689288

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	31.4	25.7	38.5

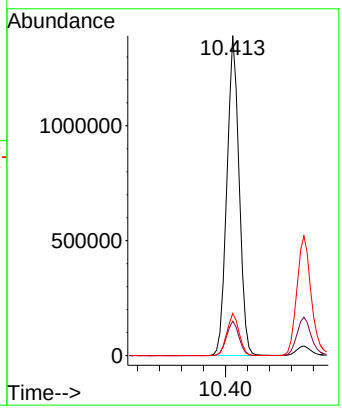




#31
Naphthalene
Concen: 37.089 ng
RT: 10.413 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:128 Resp: 214753

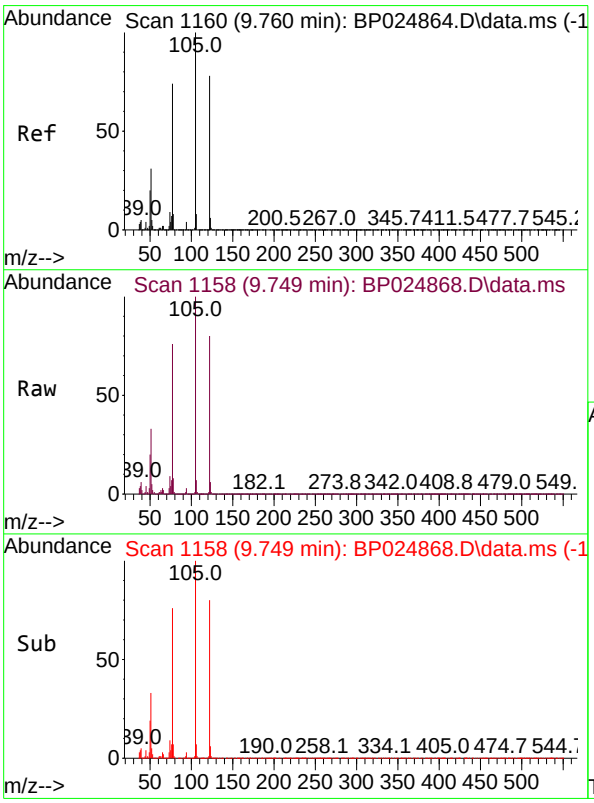
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

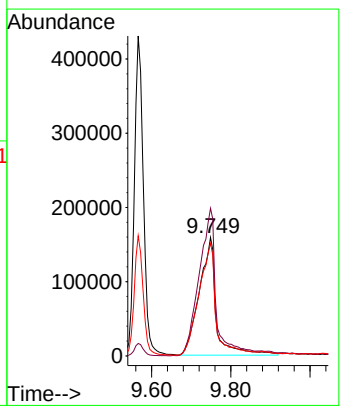
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

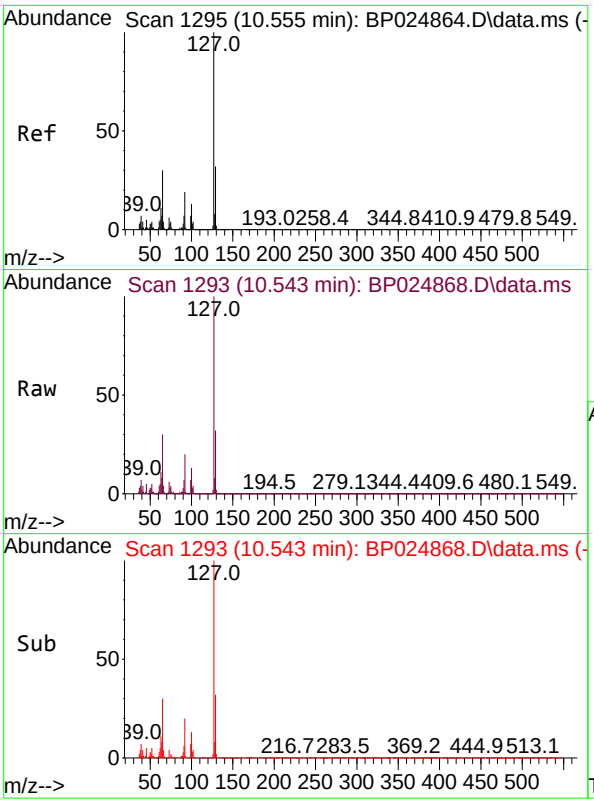


#32
Benzoic acid
Concen: 40.420 ng
RT: 9.749 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:122 Resp: 476446

Ion	Ratio	Lower	Upper
122	100		
105	124.6	107.1	147.1
77	95.2	75.1	115.1

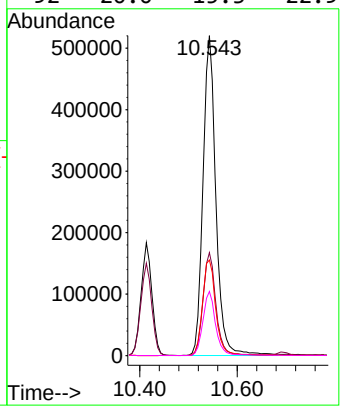




#33
4-Chloroaniline
Concen: 39.581 ng
RT: 10.543 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:127 Resp: 96018

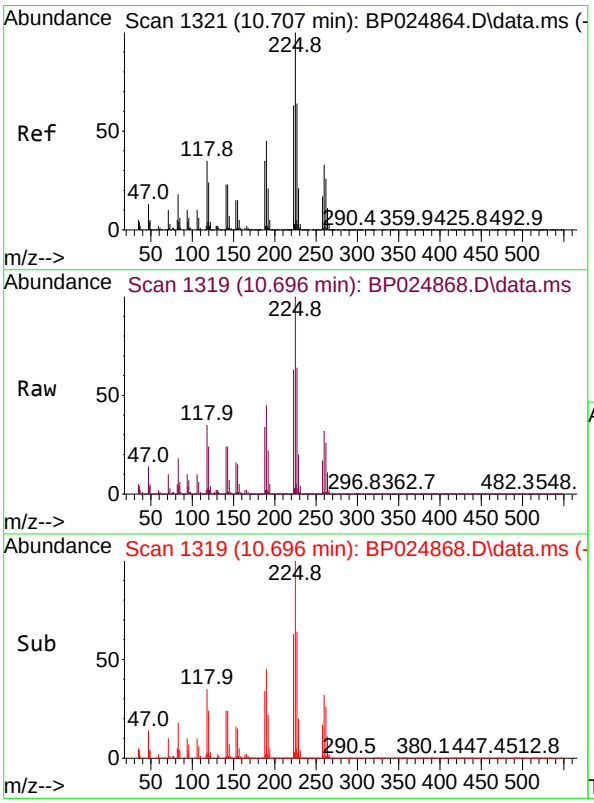
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.9	23.9	35.9
92	20.0	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

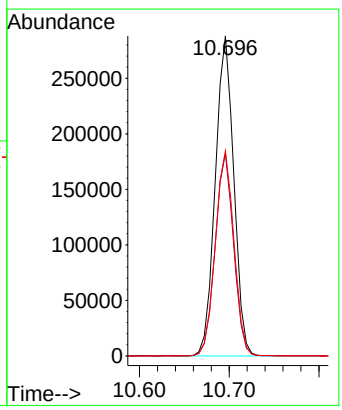
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

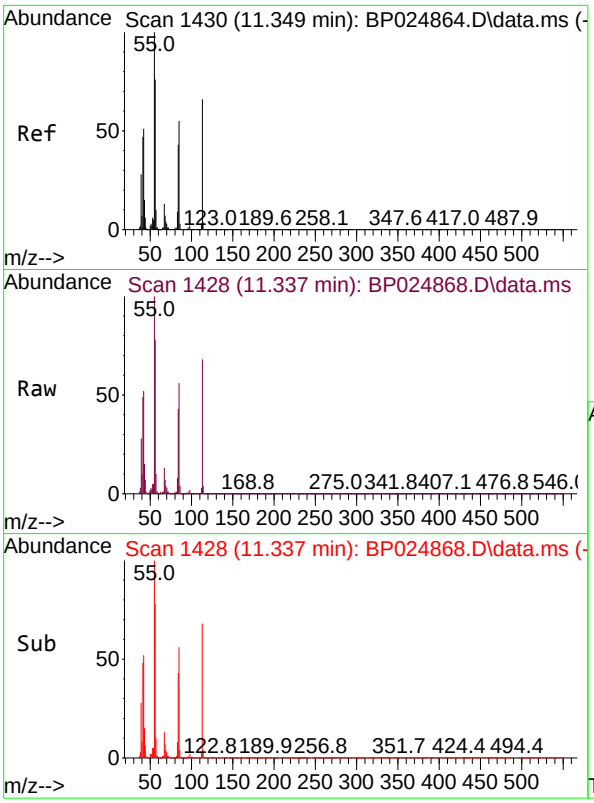


#34
Hexachlorobutadiene
Concen: 36.314 ng
RT: 10.696 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:225 Resp: 413168

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7
227	64.1	51.4	77.2





#35
Caprolactam
Concen: 41.229 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

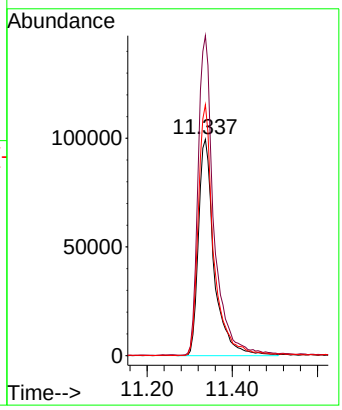
Tgt Ion:113 Resp: 25400

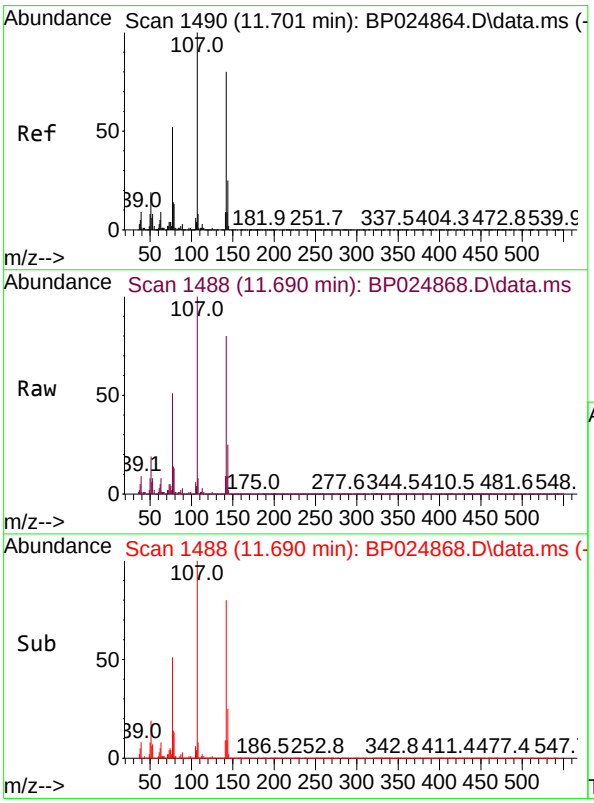
Ion	Ratio	Lower	Upper
113	100		
55	147.9	132.5	172.5
56	116.0	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

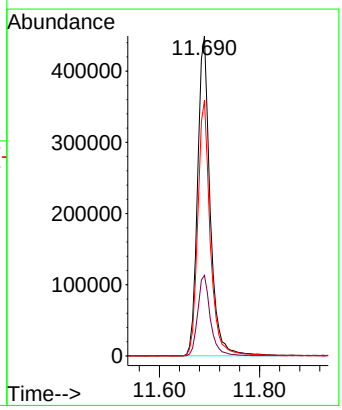


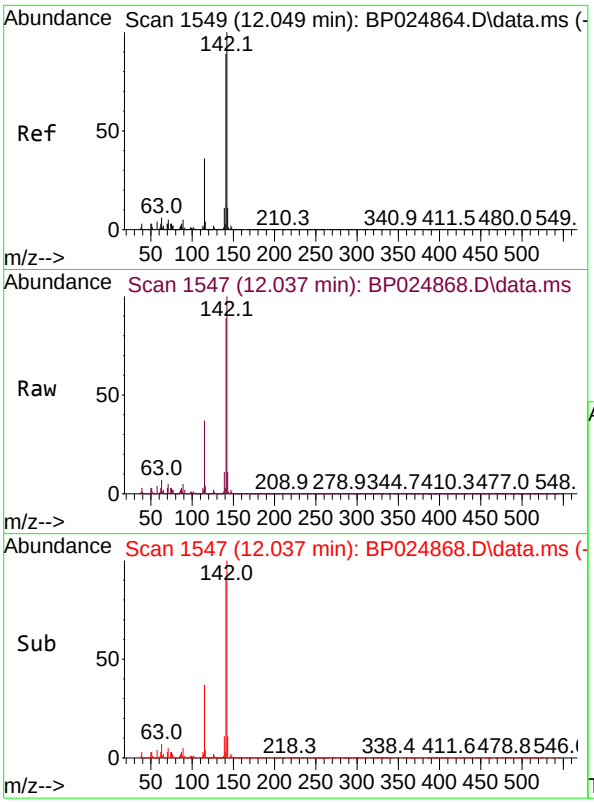


#36
4-Chloro-3-methylphenol
Concen: 40.474 ng
RT: 11.690 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 781340

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.4	30.6
142	79.8	63.8	95.6

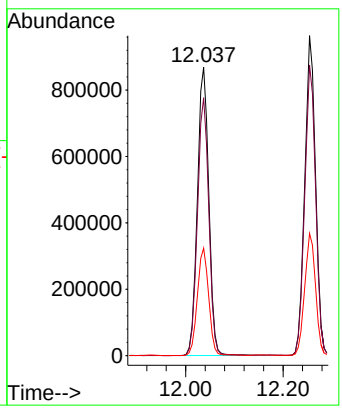




#37
2-Methylnaphthalene
Concen: 38.430 ng
RT: 12.037 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:142 Resp: 141148

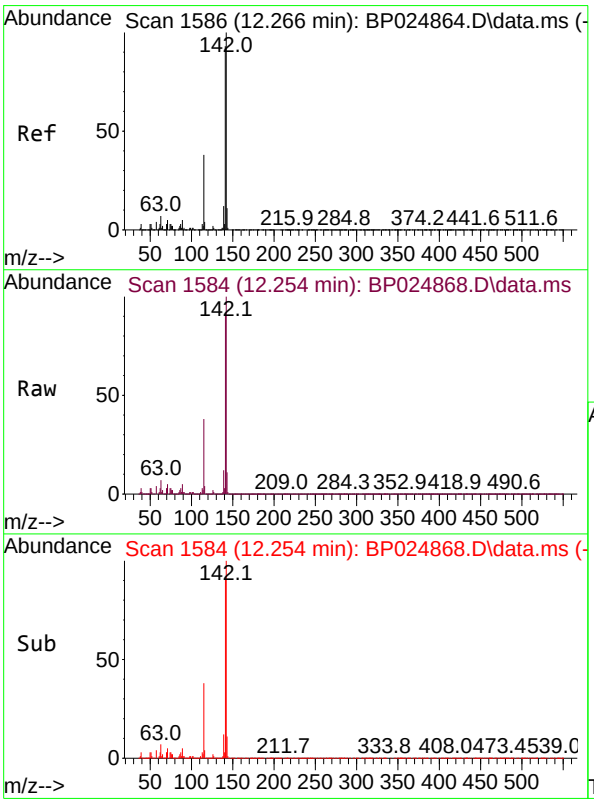
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.2	106.8
115	37.2	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

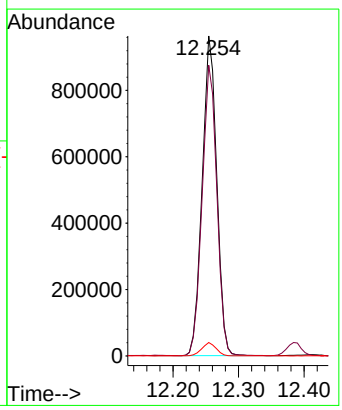
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

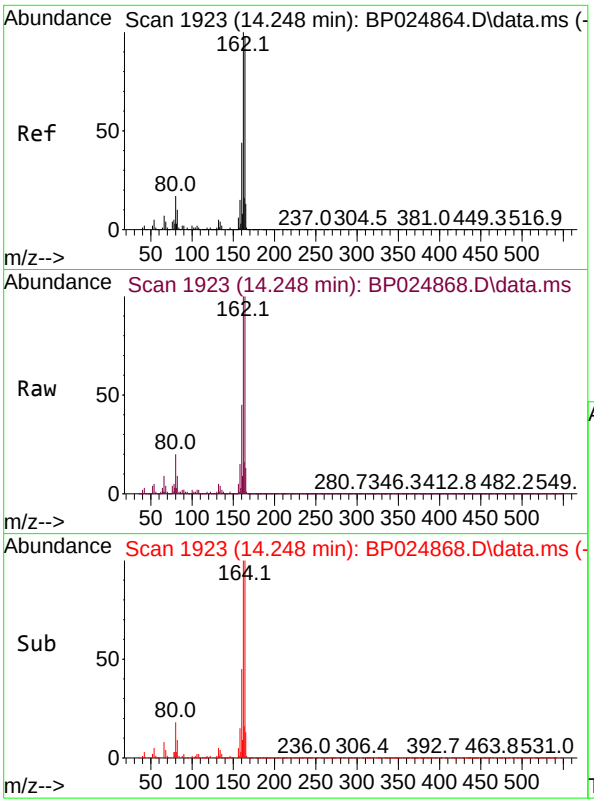


#38
1-Methylnaphthalene
Concen: 37.674 ng
RT: 12.254 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:142 Resp: 1479329

Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.7	112.1
116	4.2	3.4	5.0

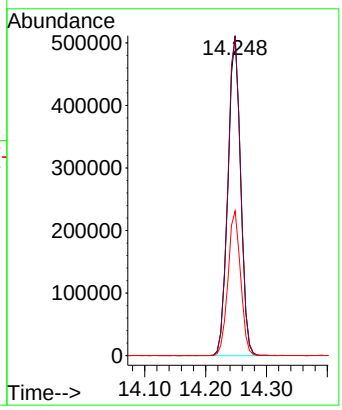




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:164 Resp: 73487

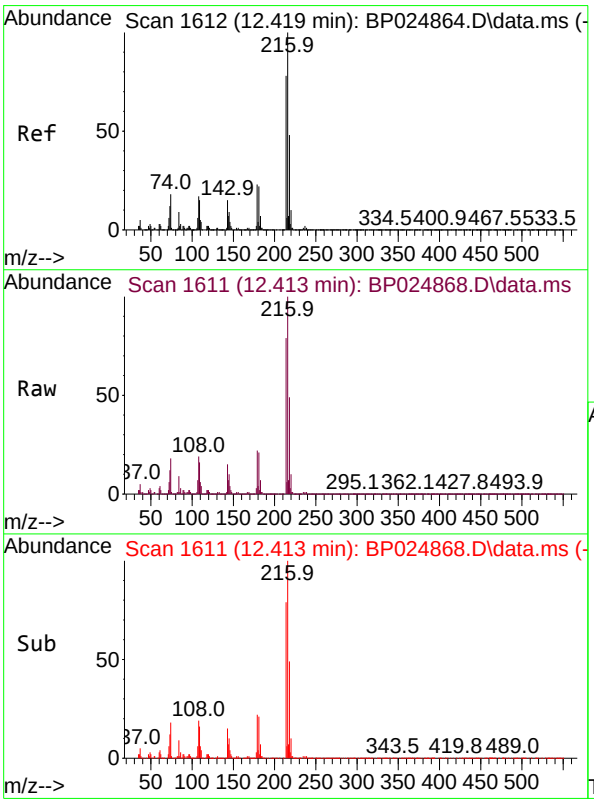
Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.6	122.4
160	45.2	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

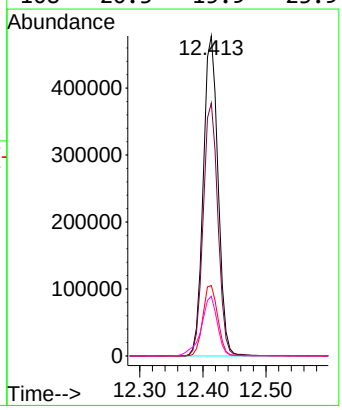
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

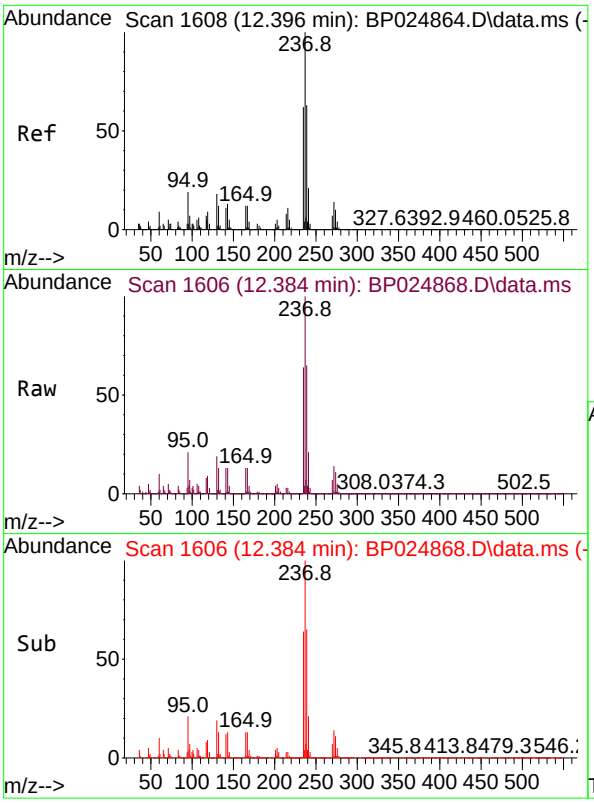


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.136 ng
RT: 12.413 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:216 Resp: 774379

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.2	17.8	26.6
108	20.3	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 38.177 ng
RT: 12.384 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

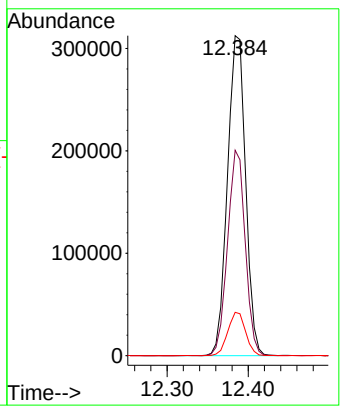
Tgt Ion:237 Resp: 48556

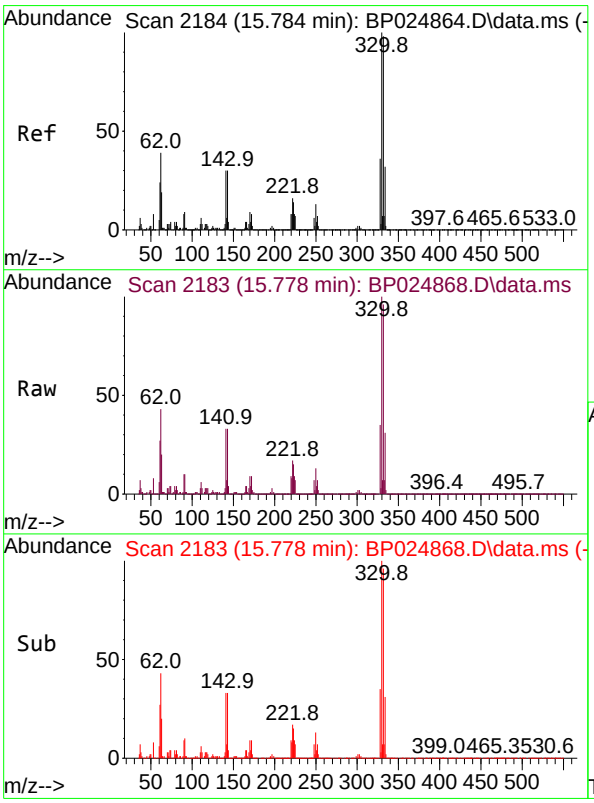
Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.9	81.9
272	13.5	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

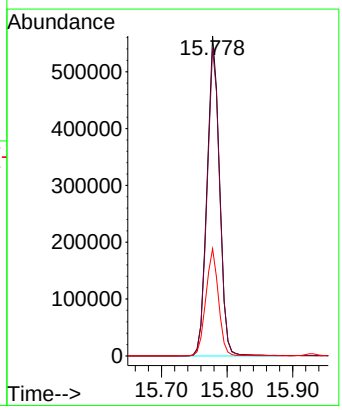


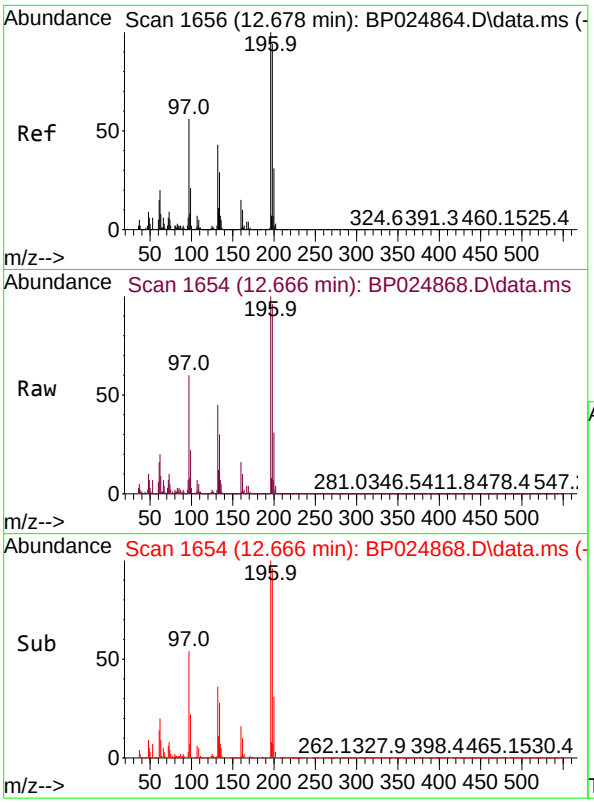


#42
2,4,6-Tribromophenol
Concen: 73.160 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:330 Resp: 743311

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	33.7	26.4	39.6

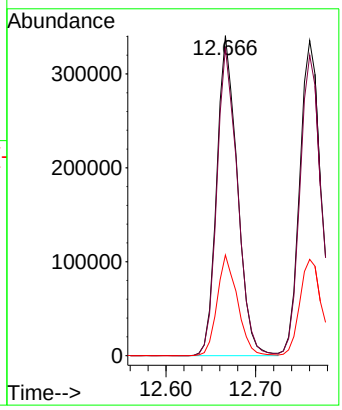




#43
2,4,6-Trichlorophenol
Concen: 38.812 ng
RT: 12.666 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:196 Resp: 54352

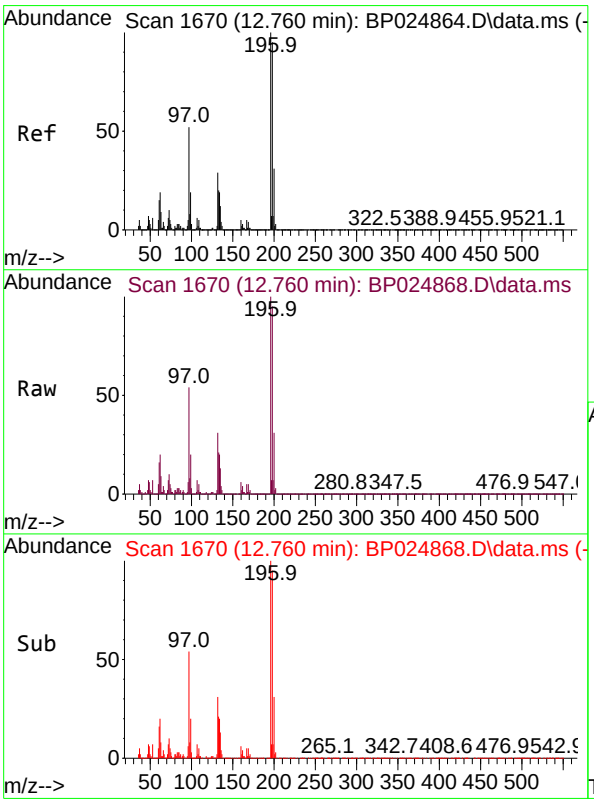
Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.4	113.0
200	31.4	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

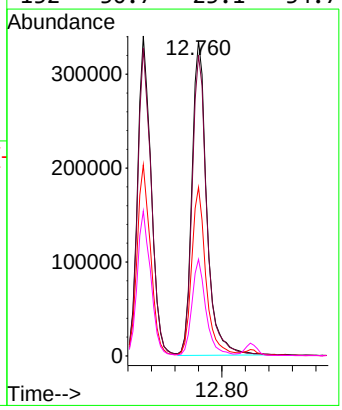
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

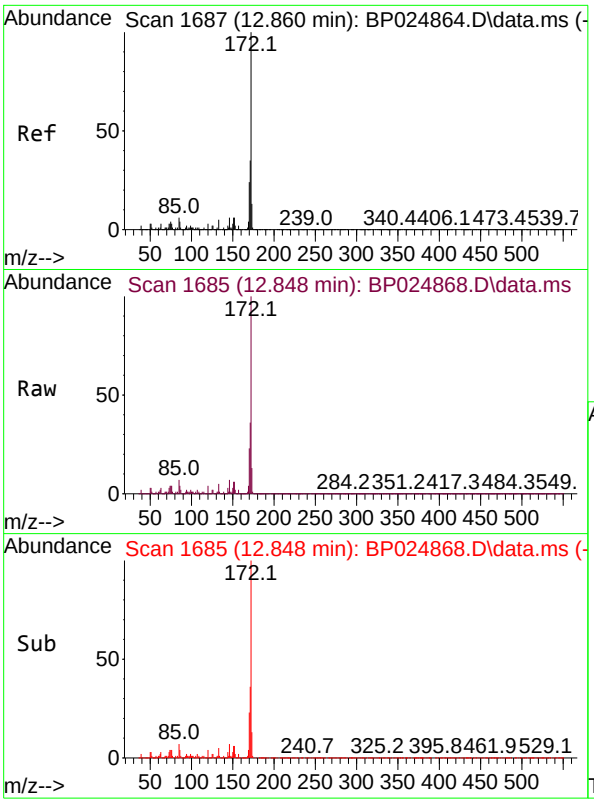


#44
2,4,5-Trichlorophenol
Concen: 39.064 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:196 Resp: 585859

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.0	114.0
97	53.5	41.5	62.3
132	30.7	23.1	34.7

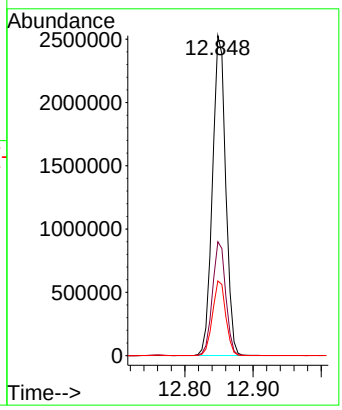




#45
2-Fluorobiphenyl
Concen: 62.434 ng
RT: 12.848 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:172 Resp: 340585

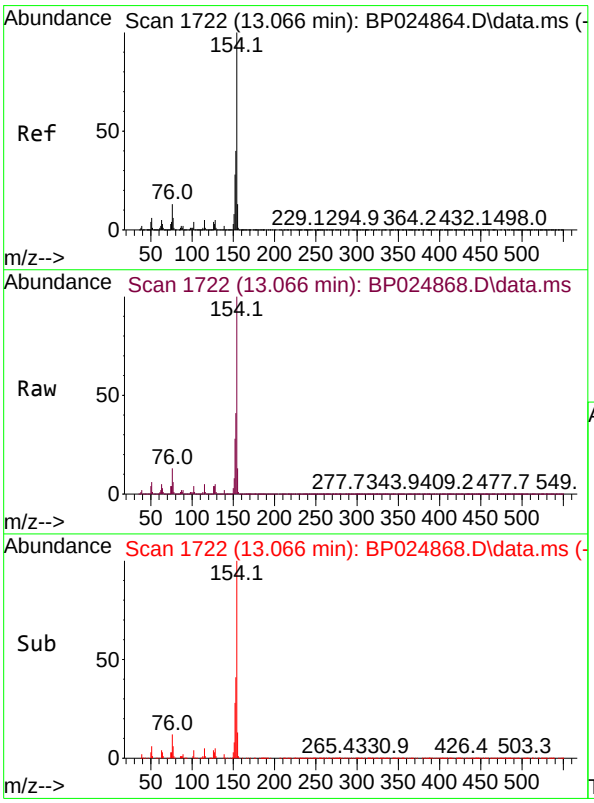
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

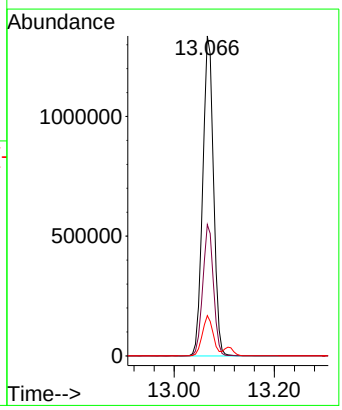
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

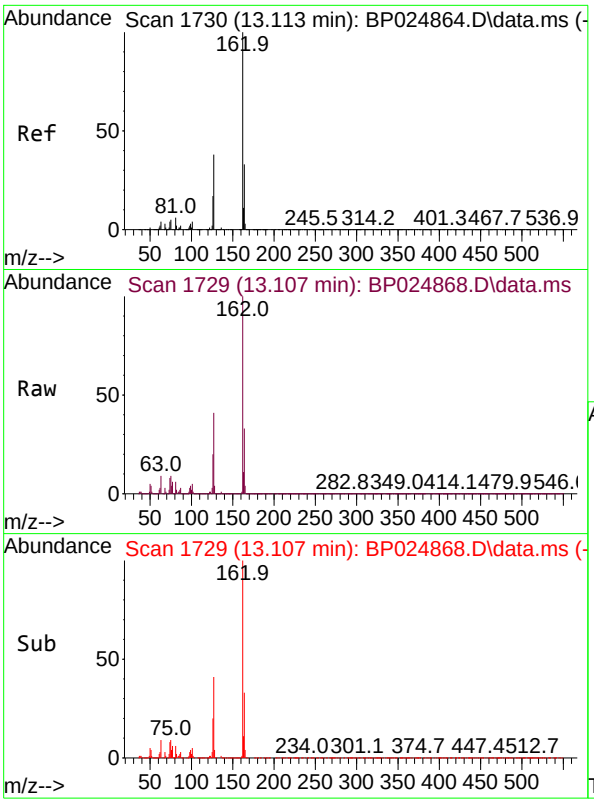


#46
1,1'-Biphenyl
Concen: 37.502 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:154 Resp: 2002791

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.6	0.0	33.0

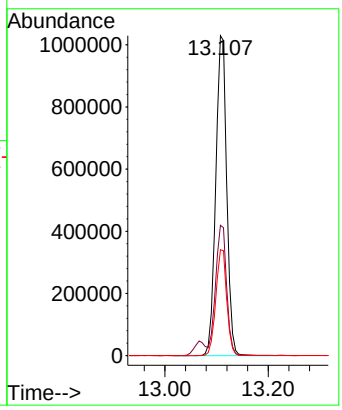




#47
2-Chloronaphthalene
Concen: 36.886 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:162 Resp: 151403

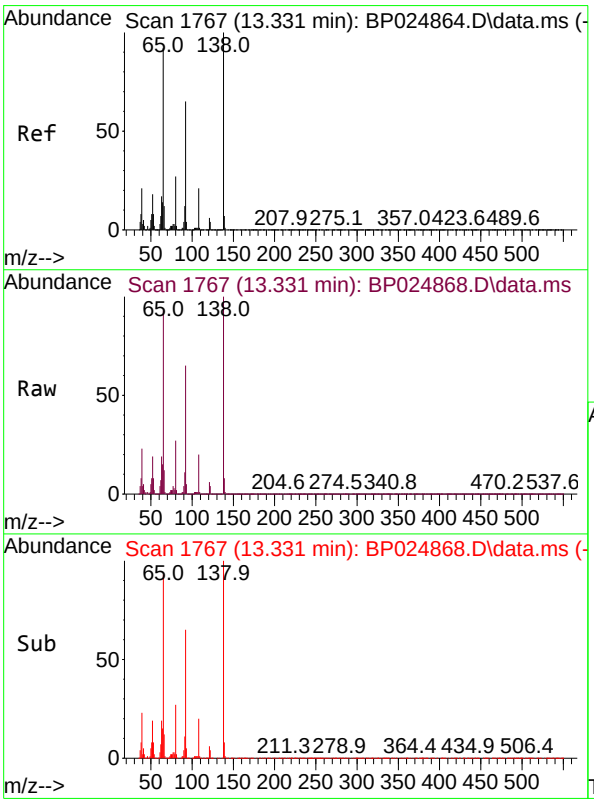
Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.5	48.7
164	33.1	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

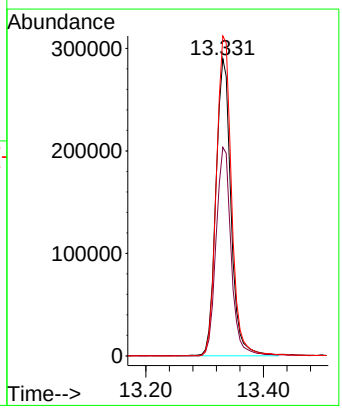
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

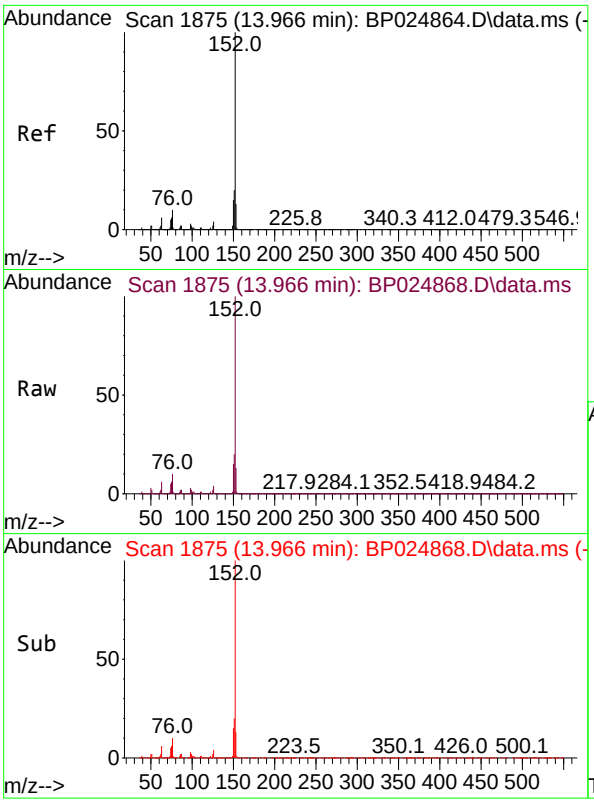


#48
2-Nitroaniline
Concen: 40.813 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 65 Resp: 515024

Ion	Ratio	Lower	Upper
65	100		
92	70.2	56.8	85.2
138	107.7	86.9	130.3

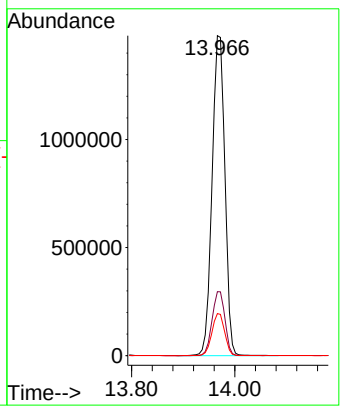




#49
Acenaphthylene
Concen: 37.274 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:152 Resp: 255102

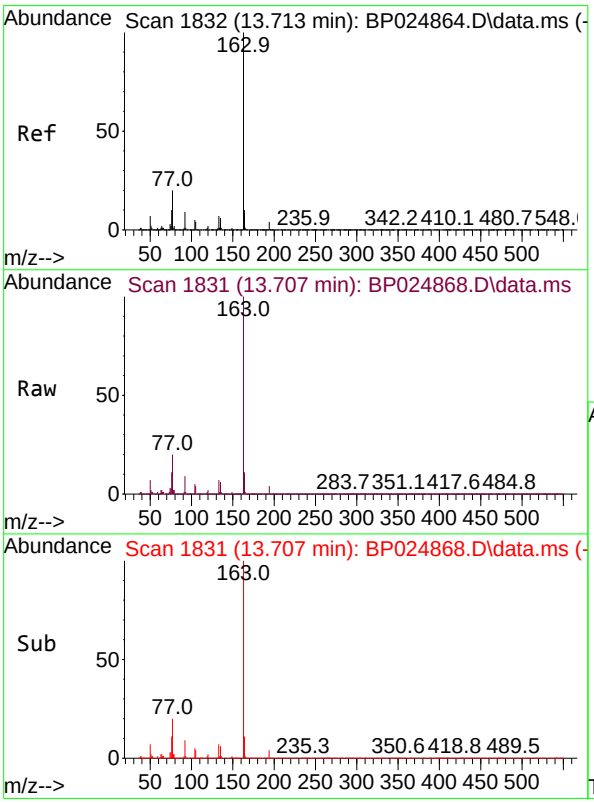
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

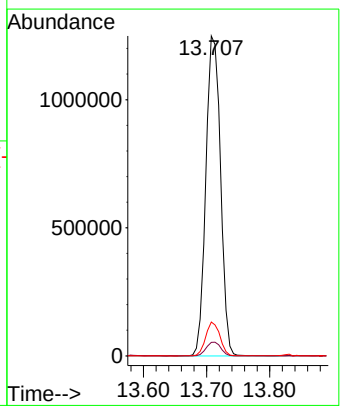
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

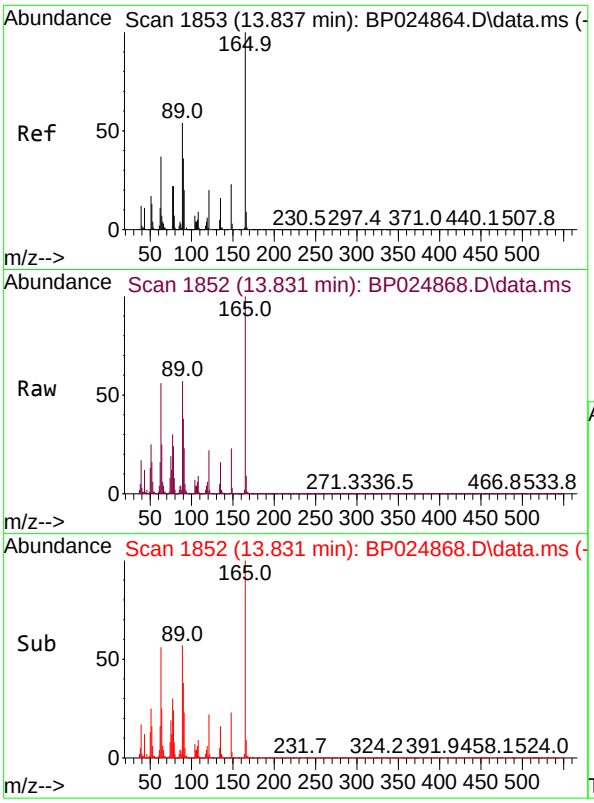


#50
Dimethylphthalate
Concen: 37.185 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:163 Resp: 2015820

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 38.111 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

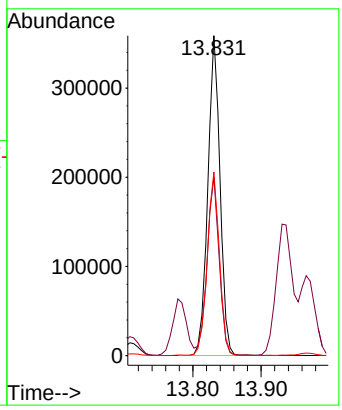
Tgt Ion:165 Resp: 44539

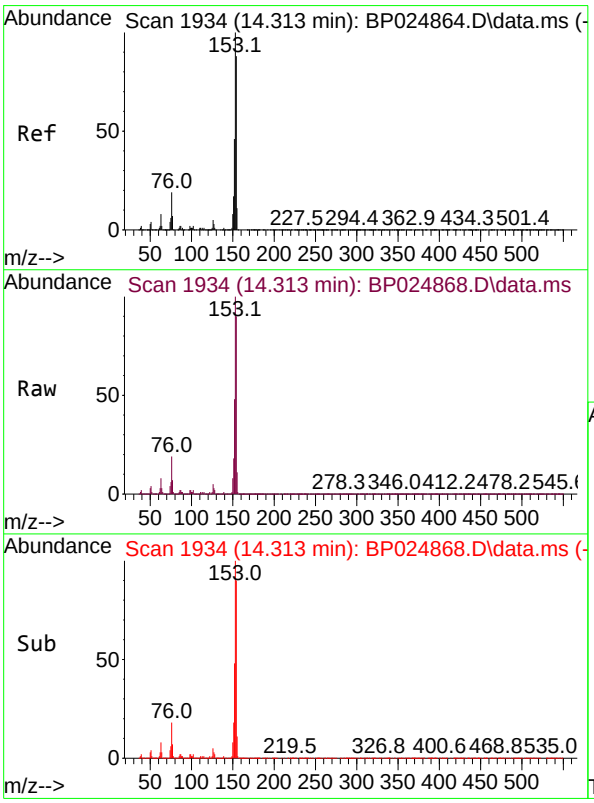
Ion	Ratio	Lower	Upper
165	100		
63	55.8	41.8	62.8
89	57.3	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

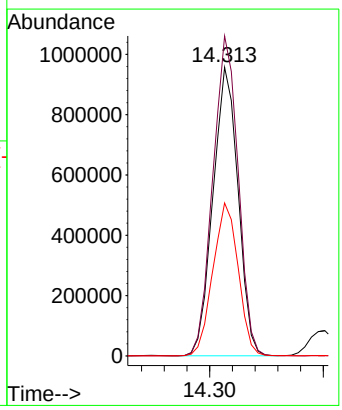


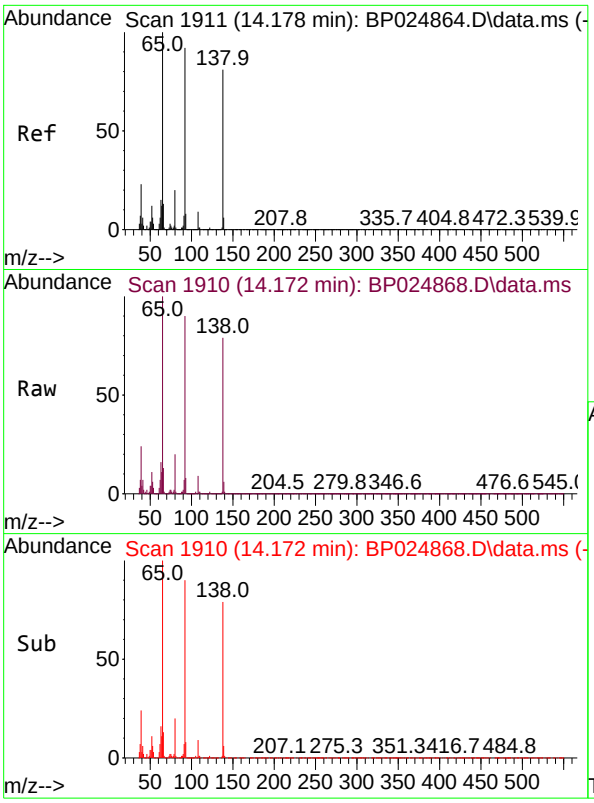


#52
Acenaphthene
Concen: 37.472 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:154 Resp: 1469566

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.5	135.7
152	53.0	42.1	63.1

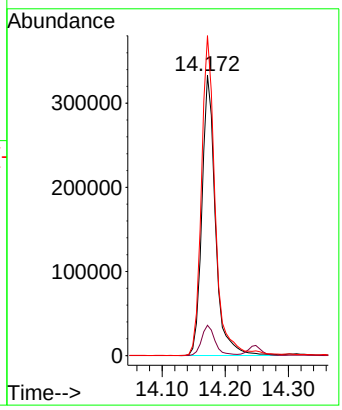




#53
3-Nitroaniline
Concen: 40.626 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:138 Resp: 49271

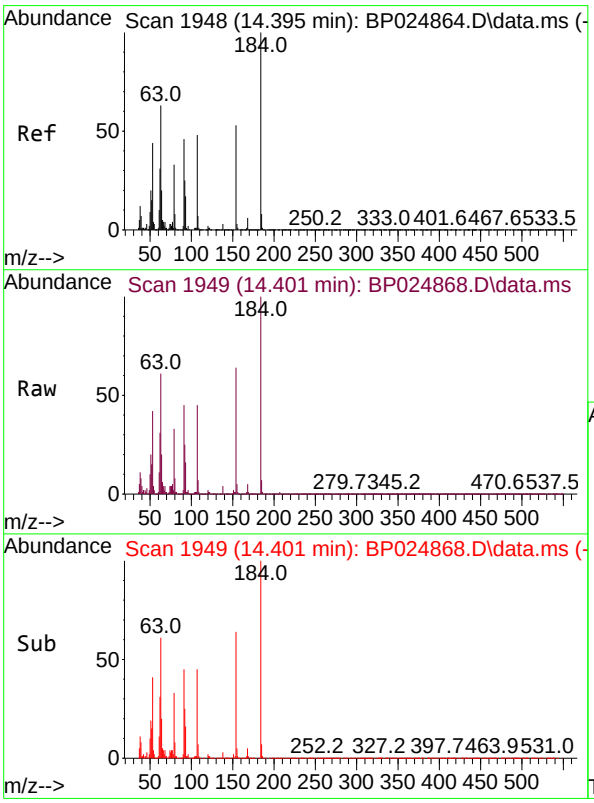
Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	12.8
92	114.2	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

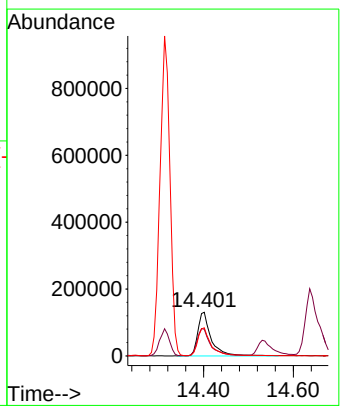
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

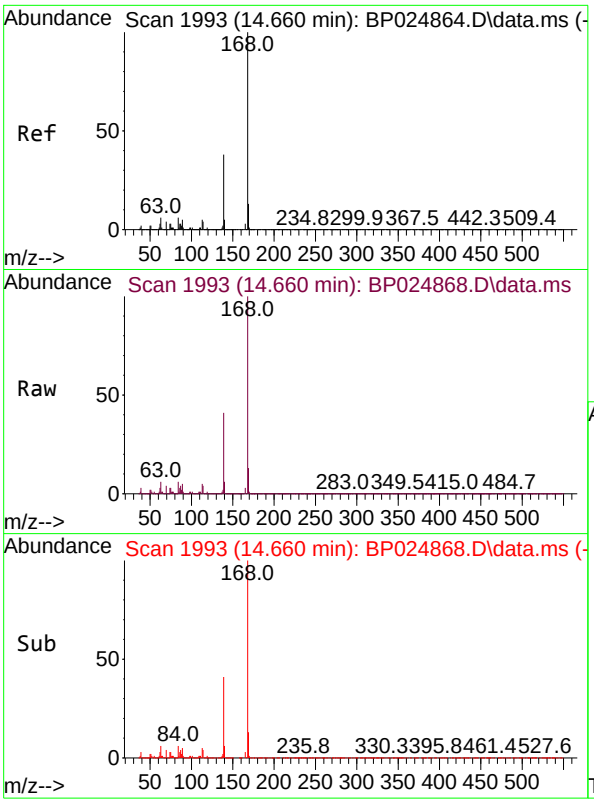


#54
2,4-Dinitrophenol
Concen: 38.197 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:184 Resp: 266900

Ion	Ratio	Lower	Upper
184	100		
63	61.0	51.0	76.4
154	64.2	51.7	77.5

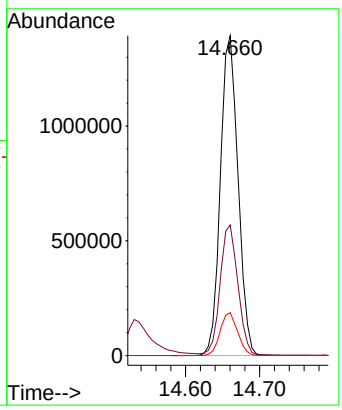




#55
Dibenzofuran
Concen: 36.605 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:168 Resp: 230434

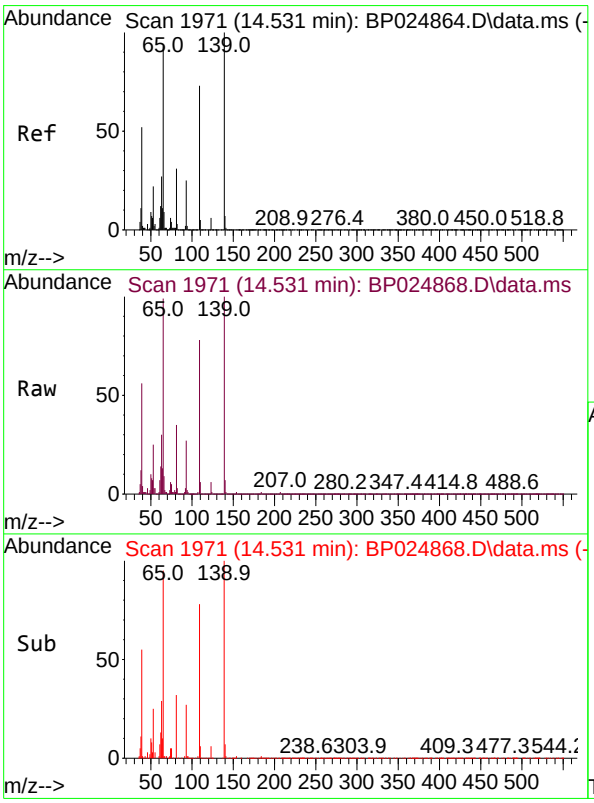
Ion	Ratio	Lower	Upper
168	100		
139	40.8	31.6	47.4
169	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

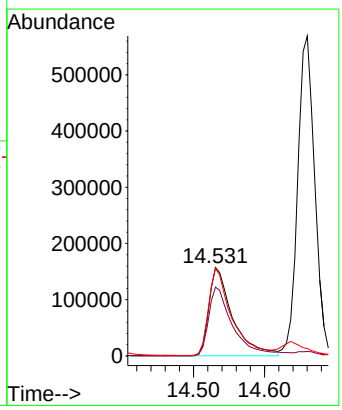
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

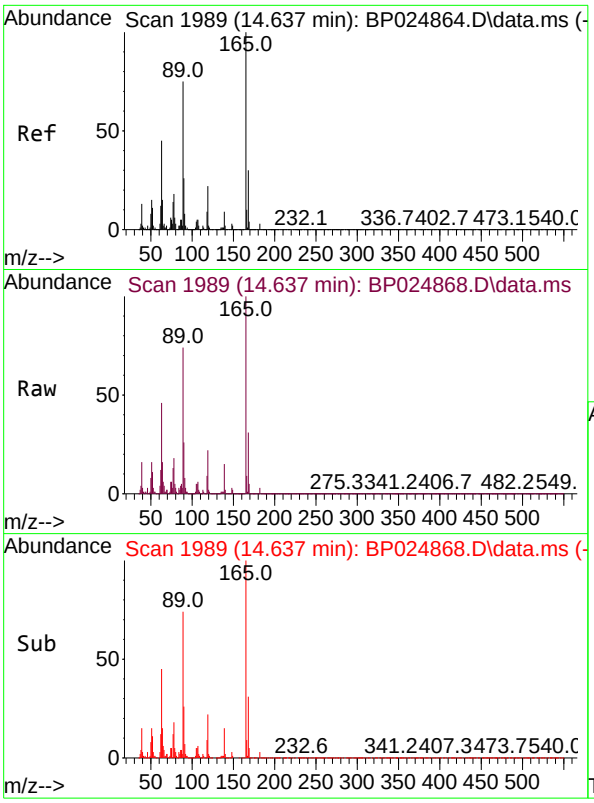


#56
4-Nitrophenol
Concen: 38.363 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:139 Resp: 362887

Ion	Ratio	Lower	Upper
139	100		
109	77.7	53.1	93.1
65	99.0	73.0	113.0

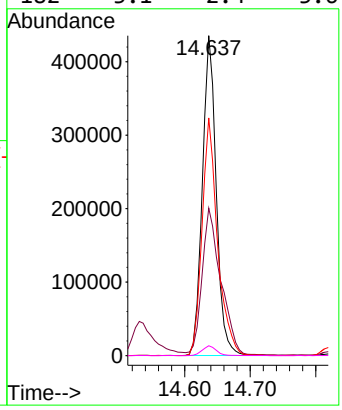




#57
2,4-Dinitrotoluene
Concen: 38.936 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:165 Resp: 63651

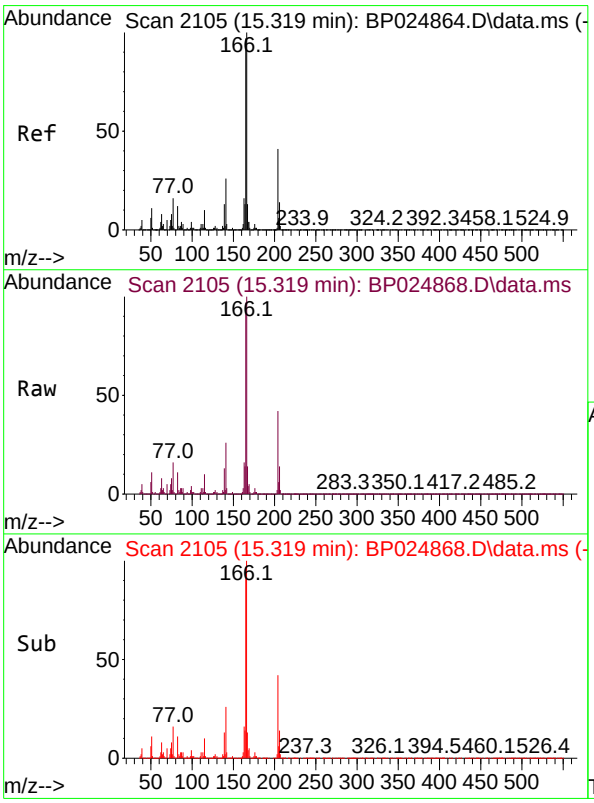
Ion	Ratio	Lower	Upper
165	100		
63	46.1	37.0	55.6
89	74.3	60.1	90.1
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

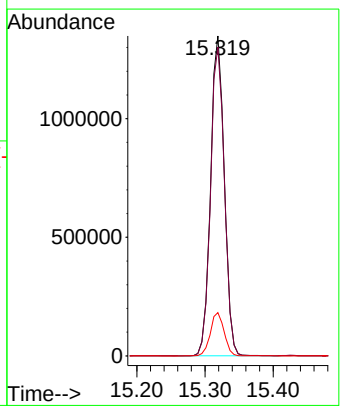
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

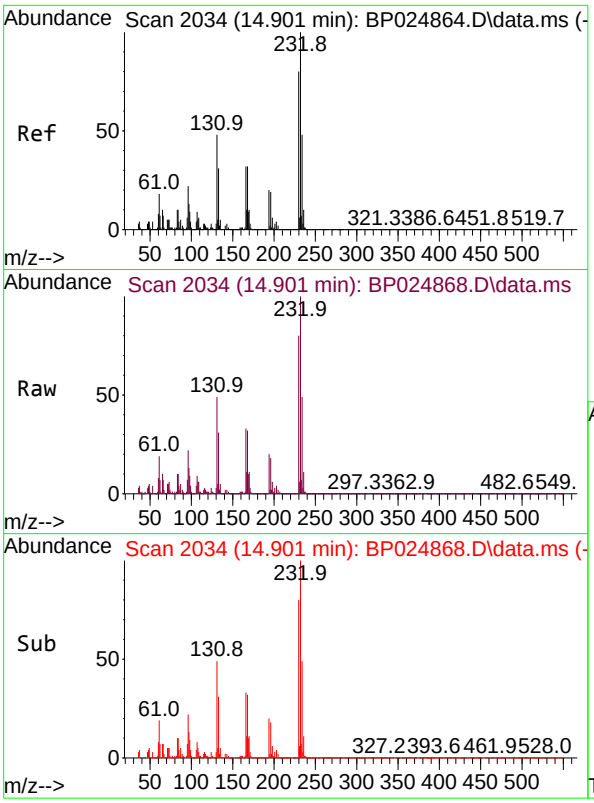


#58
Fluorene
Concen: 37.043 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:166 Resp: 1883765

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.7	116.5
167	13.5	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.401 ng
RT: 14.901 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

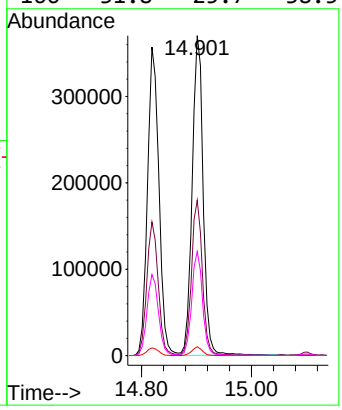
Instrument :
BNA_P
ClientSampleId :
ICVBP060625

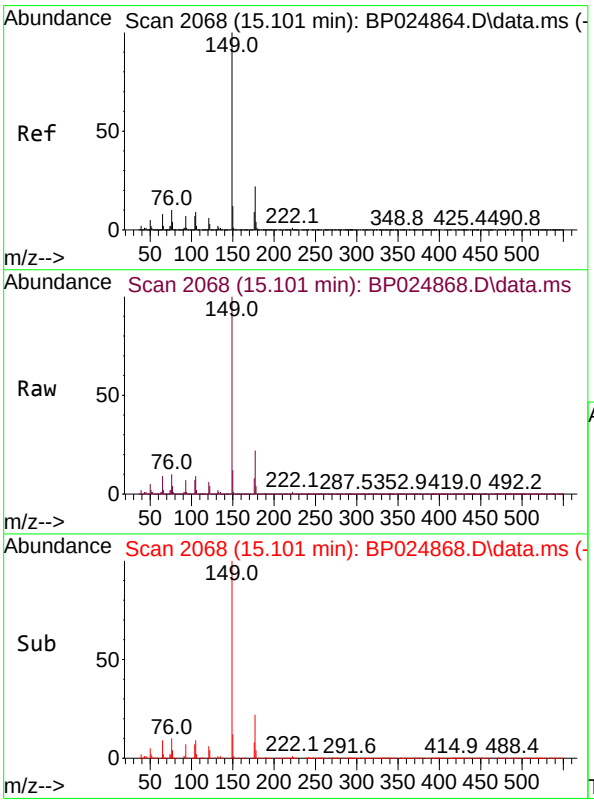
Tgt Ion:232 Resp: 514561

Ion	Ratio	Lower	Upper
232	100		
131	48.0	38.2	57.2
130	2.6	2.1	3.1
166	31.8	25.7	38.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

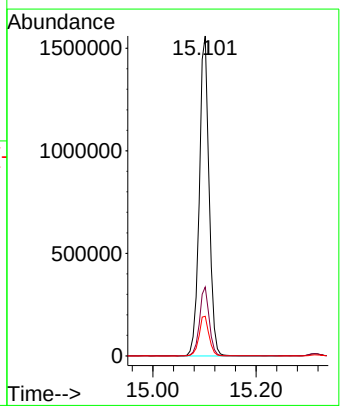


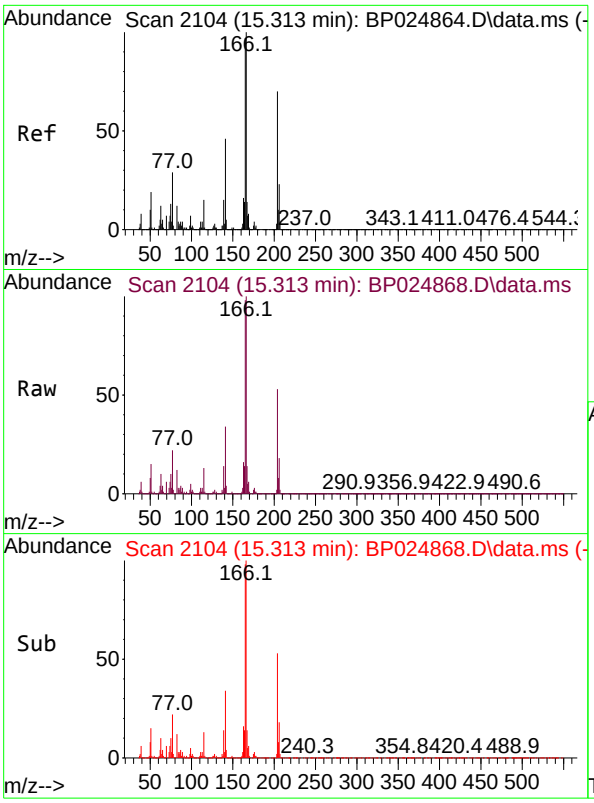


#60
Diethylphthalate
Concen: 37.642 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 2033664

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.4	9.8	14.6

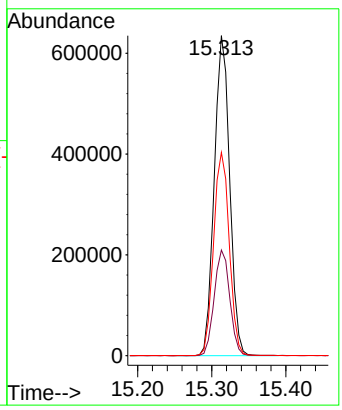




#61
4-Chlorophenyl-phenylether
Concen: 36.814 ng
RT: 15.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:204 Resp: 91538

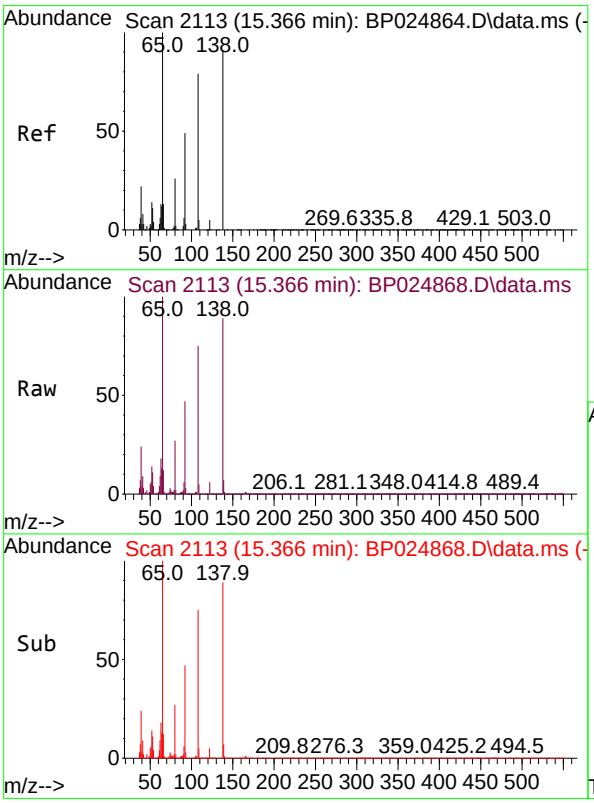
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	63.5	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

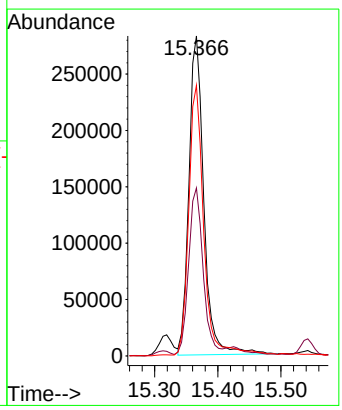
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

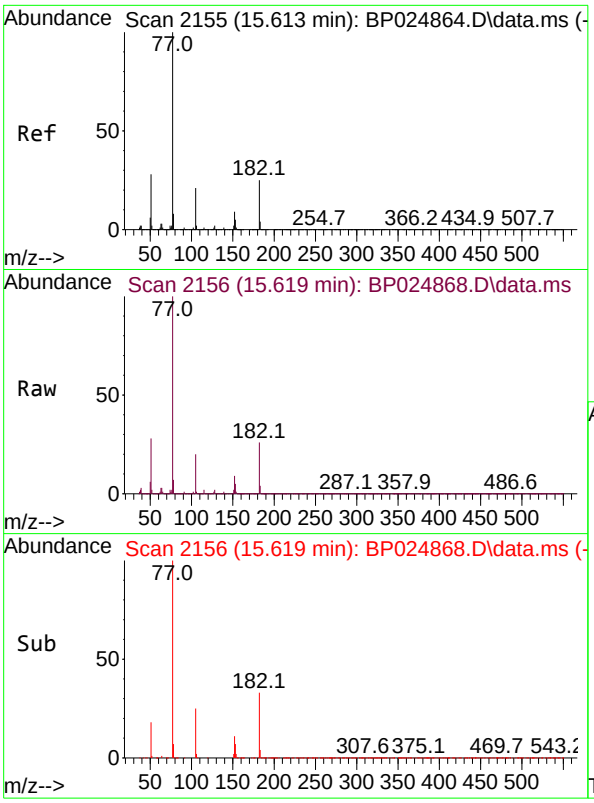


#62
4-Nitroaniline
Concen: 42.233 ng
RT: 15.366 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:138 Resp: 464418

Ion	Ratio	Lower	Upper
138	100		
92	52.5	33.5	73.5
108	84.5	65.1	105.1

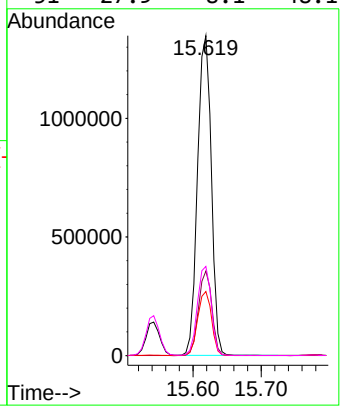




#63
Azobenzene
Concen: 38.217 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 189366

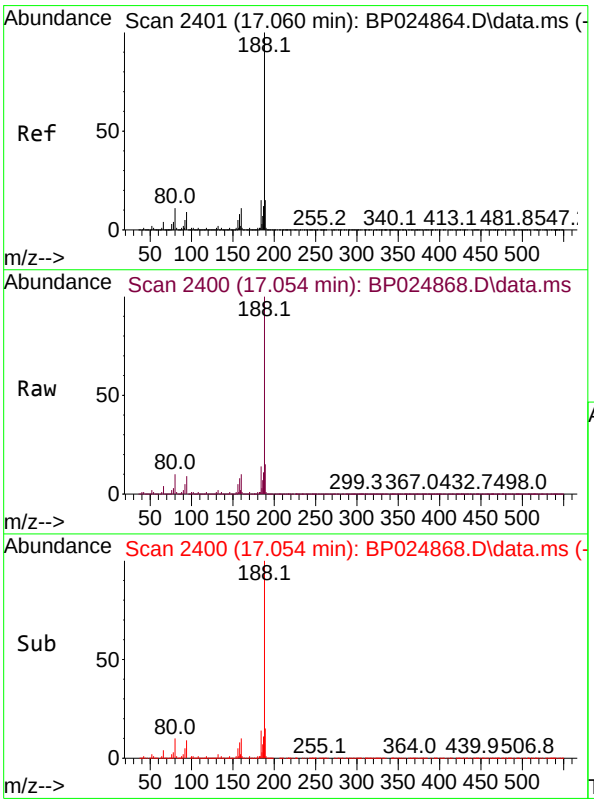
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	20.0	0.8	40.8
51	27.9	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

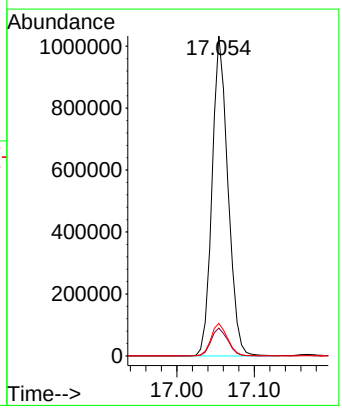
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

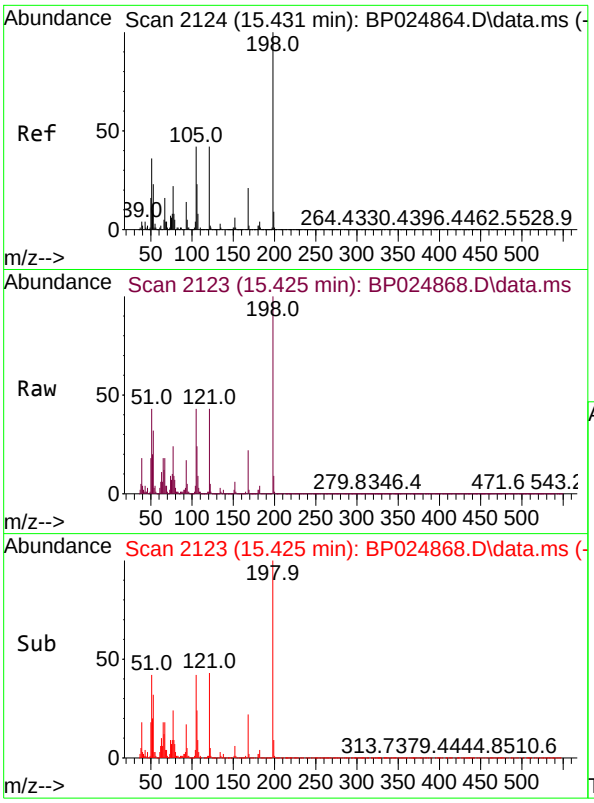


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:188 Resp: 1466437

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	10.1	8.5	12.7

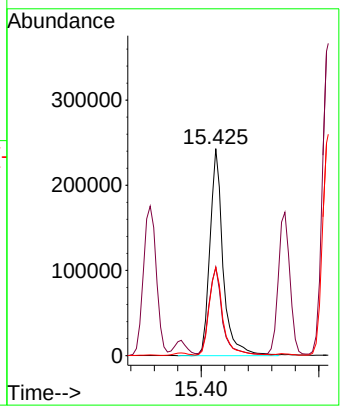




#65
4,6-Dinitro-2-methylphenol
Concen: 38.956 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:198 Resp: 37537

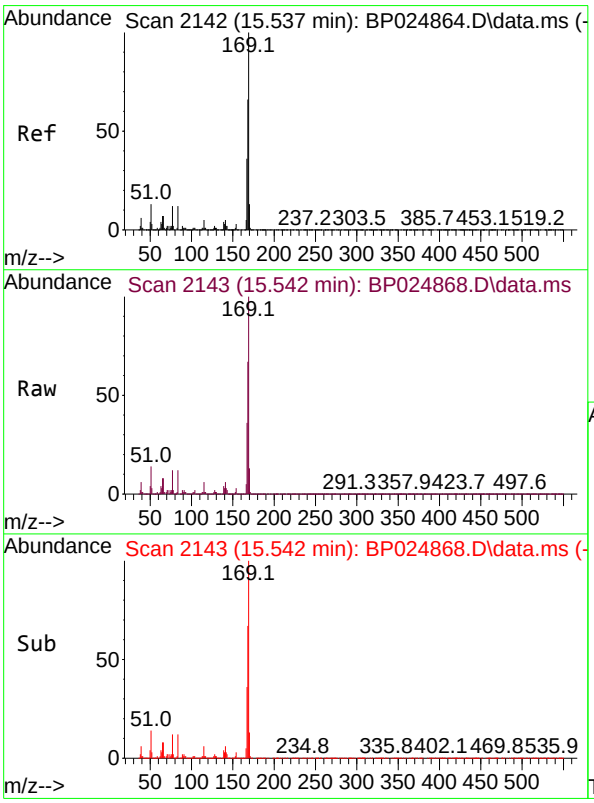
Ion	Ratio	Lower	Upper
198	100		
51	42.7	19.2	59.2
105	42.6	22.6	62.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

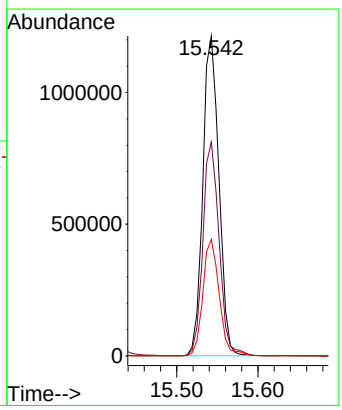
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

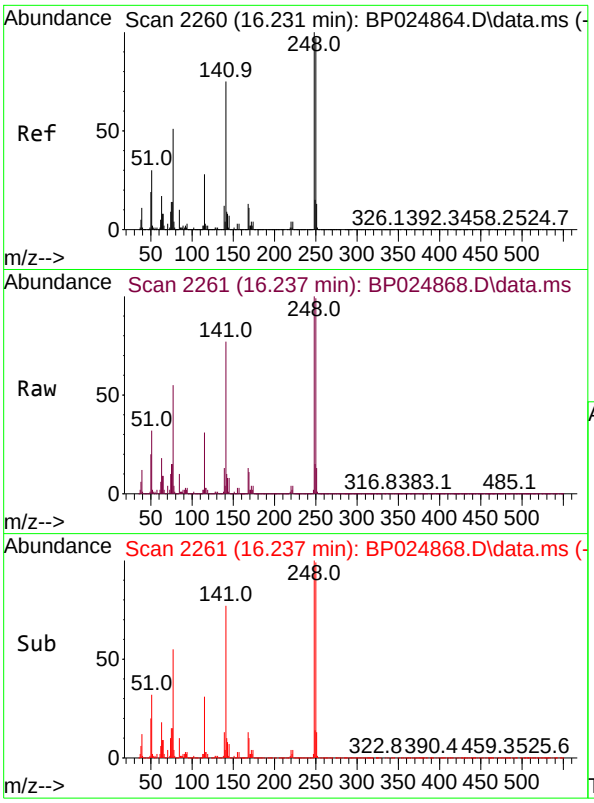


#66
n-Nitrosodiphenylamine
Concen: 36.846 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:169 Resp: 1674745

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.4	28.6	43.0





#67
4-Bromophenyl-phenylether
Concen: 35.890 ng
RT: 16.237 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

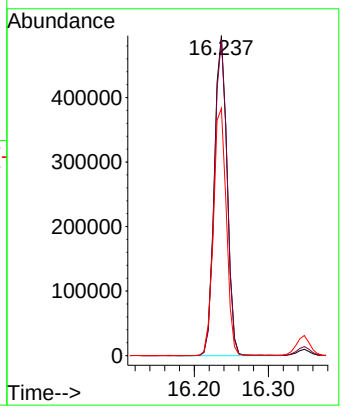
Tgt Ion:248 Resp: 59384

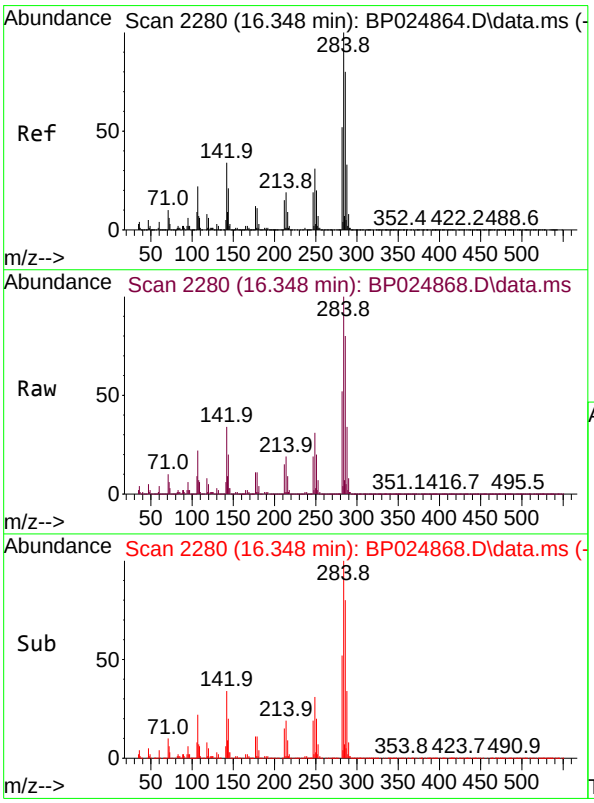
Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.4	116.2
141	77.2	59.9	89.9

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

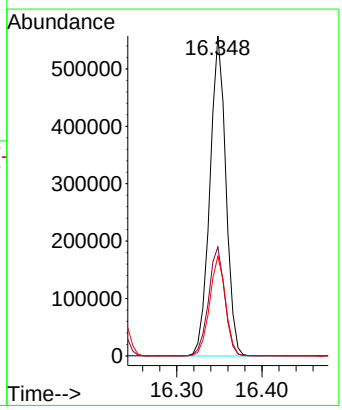


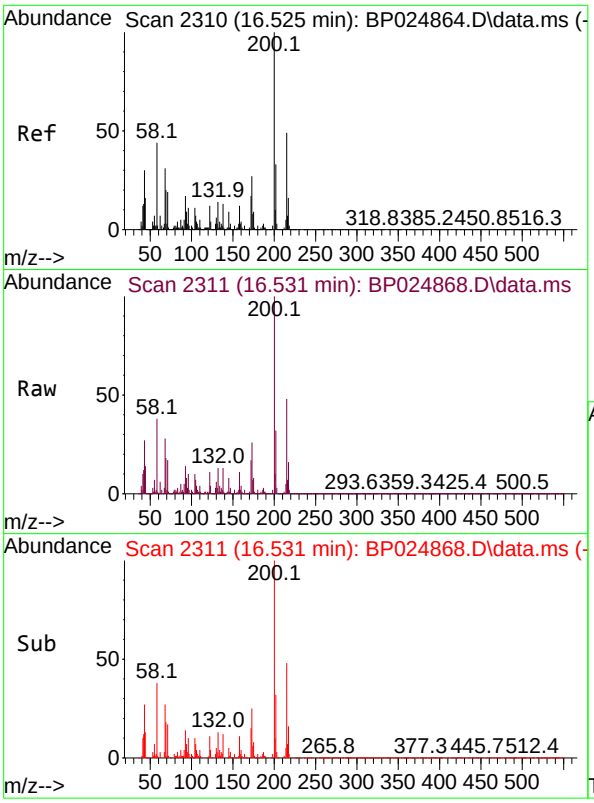


#68
Hexachlorobenzene
Concen: 36.182 ng
RT: 16.348 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:284 Resp: 725771

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.0	40.6
249	31.2	25.0	37.6

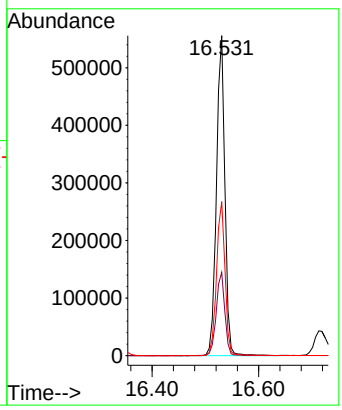




#69
Atrazine
Concen: 37.108 ng
RT: 16.531 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:200 Resp: 61144

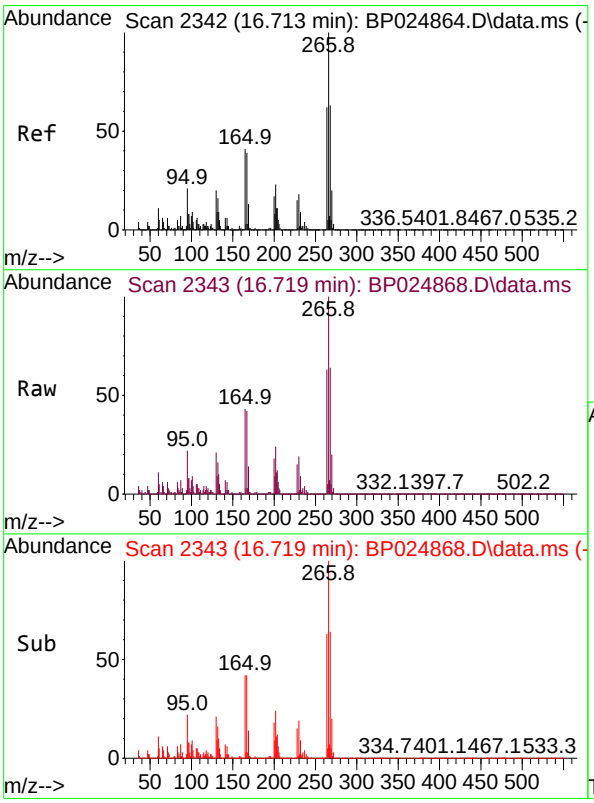
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.9	46.9
215	48.1	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

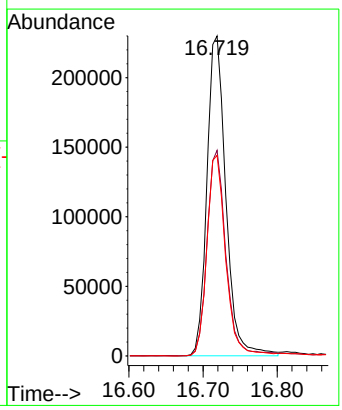
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

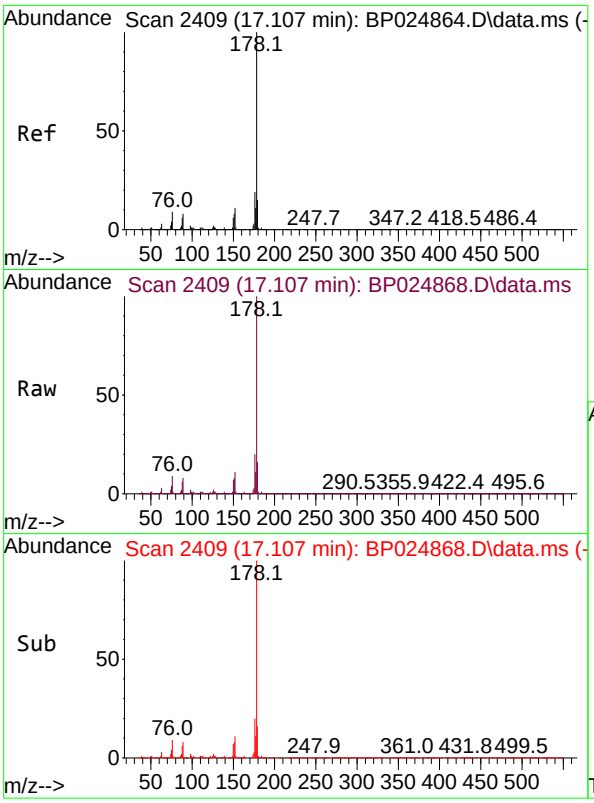


#70
Pentachlorophenol
Concen: 39.247 ng
RT: 16.719 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:266 Resp: 407441

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.6	76.0
264	62.7	49.7	74.5





#71
Phenanthrene
Concen: 36.595 ng
RT: 17.107 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

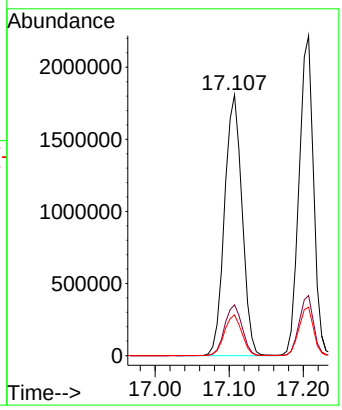
Tgt Ion:178 Resp: 296553

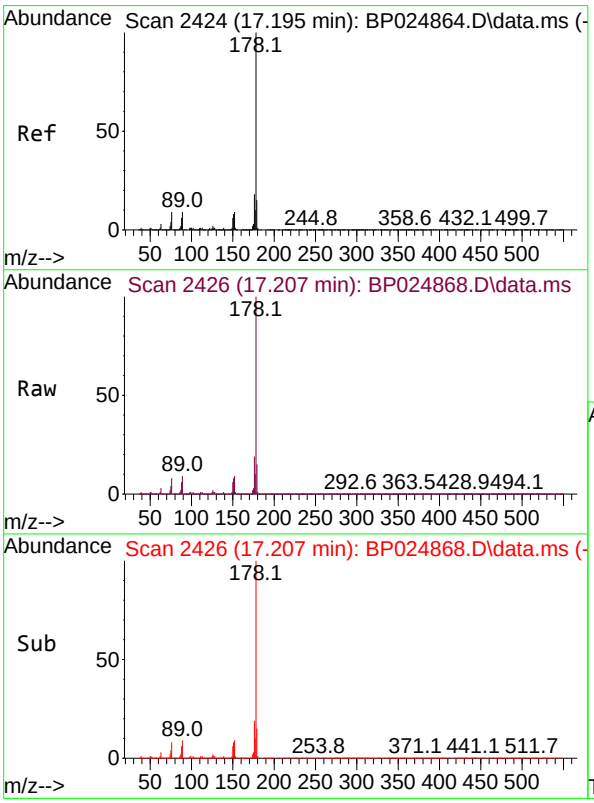
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

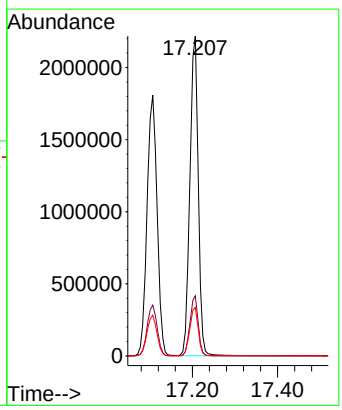


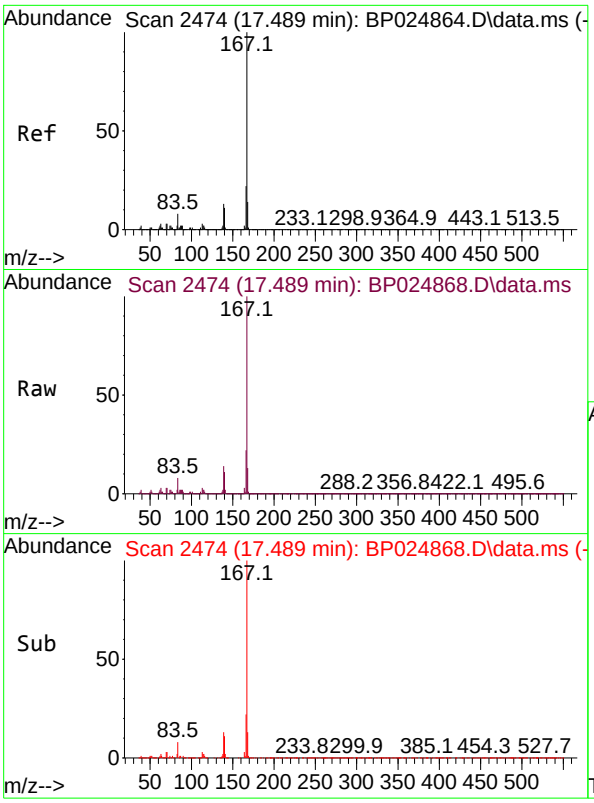


#72
Anthracene
Concen: 36.903 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:178 Resp: 3028697

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.1	12.3	18.5

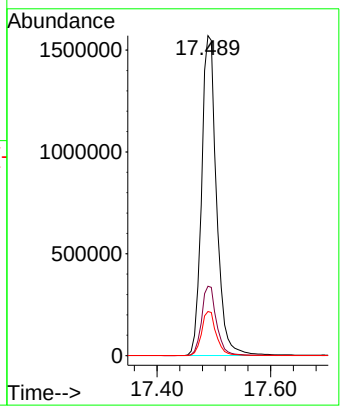




#73
Carbazole
Concen: 37.755 ng
RT: 17.489 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:167 Resp: 287212

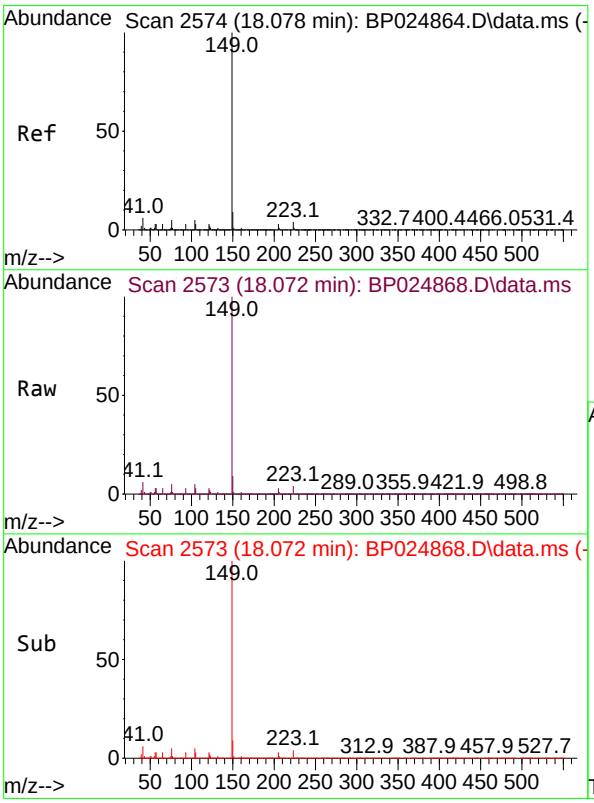
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.8	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

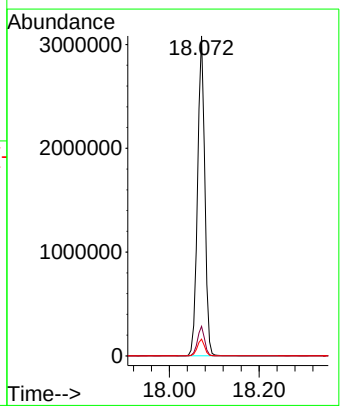
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

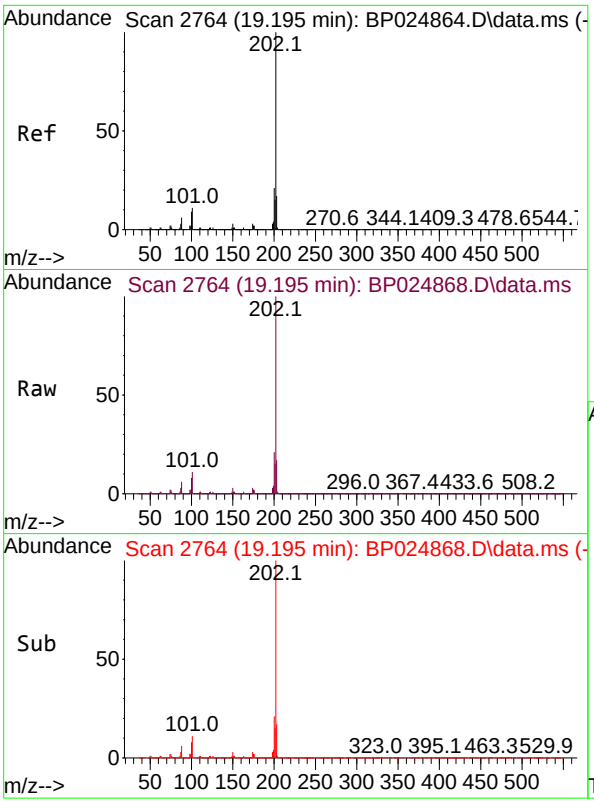


#74
Di-n-butylphthalate
Concen: 36.500 ng
RT: 18.072 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 3440228

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	4.2	6.2

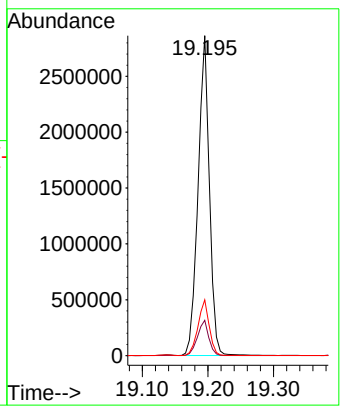




#75
Fluoranthene
Concen: 36.337 ng
RT: 19.195 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:202 Resp: 341302

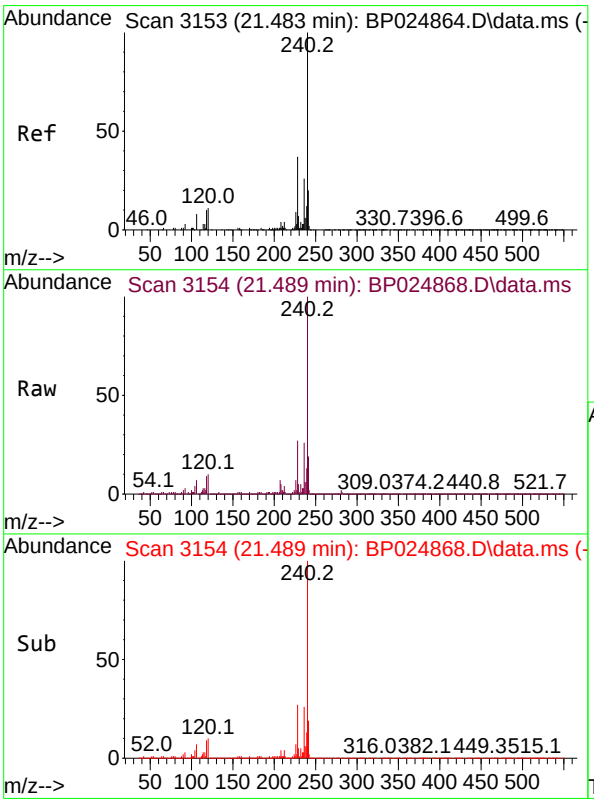
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

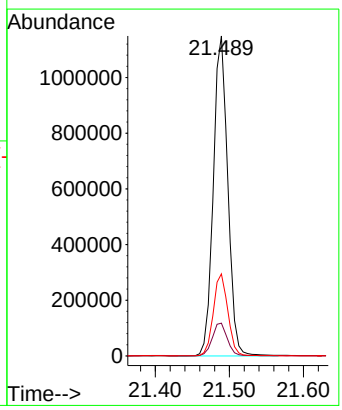
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

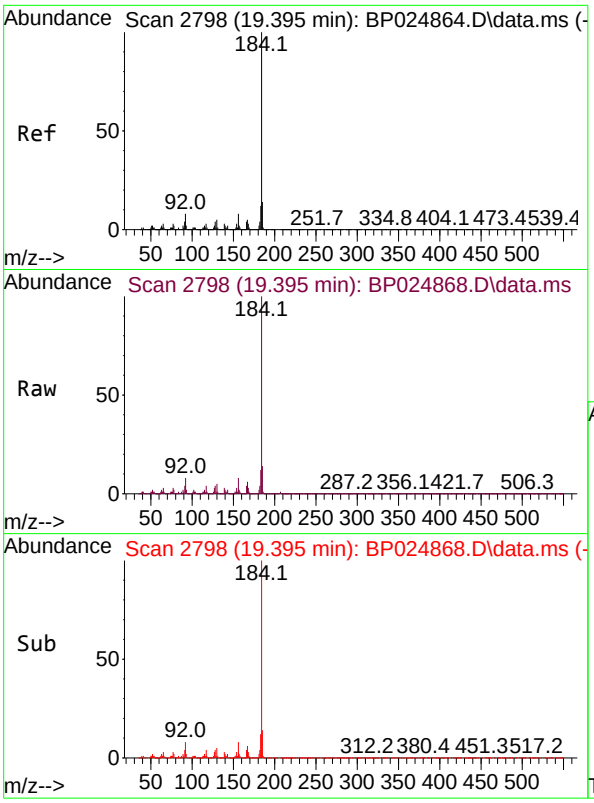


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:240 Resp: 1557824

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.9	13.3
236	25.6	20.9	31.3

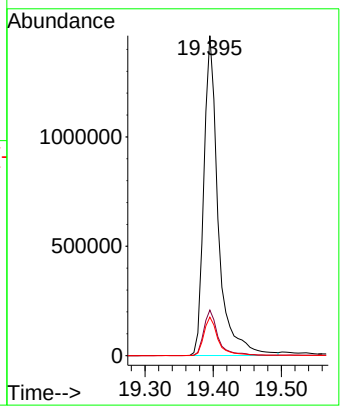




#77
Benzidine
Concen: 44.696 ng
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:184 Resp: 215650

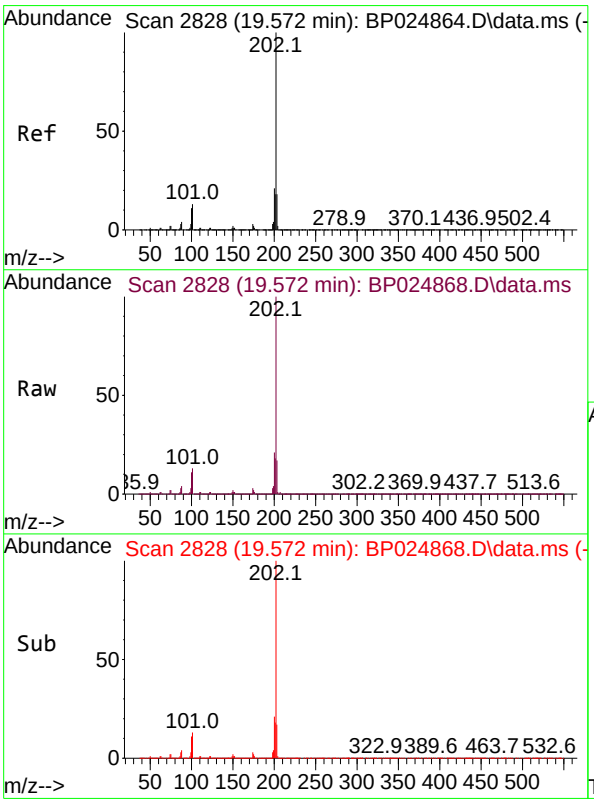
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	12.0	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

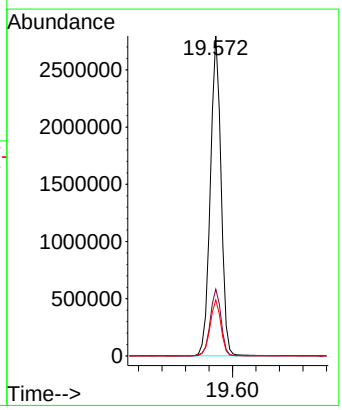
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

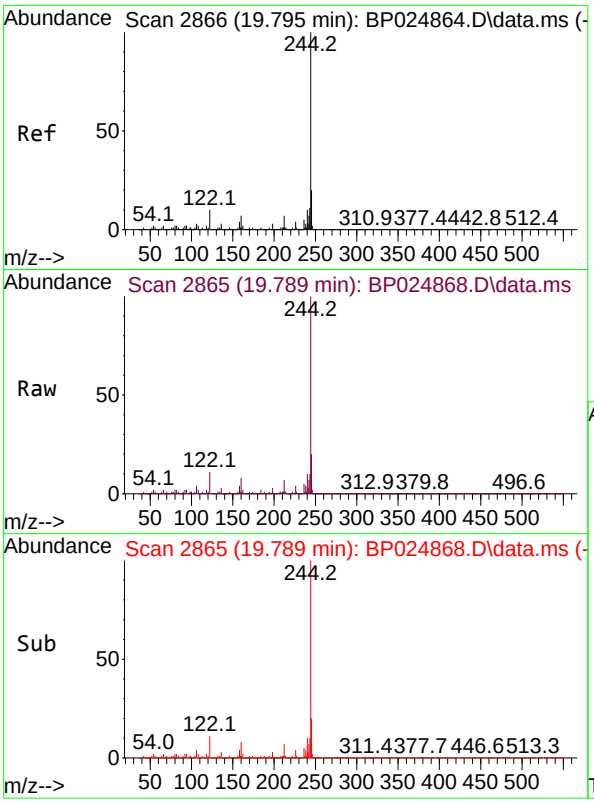


#78
Pyrene
Concen: 36.241 ng
RT: 19.572 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:202 Resp: 3527120

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.5	14.0	21.0

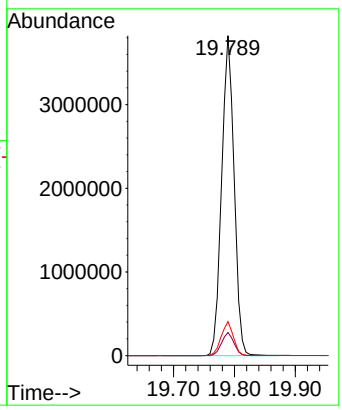




#79
Terphenyl-d14
Concen: 62.551 ng
RT: 19.789 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:244 Resp: 543696

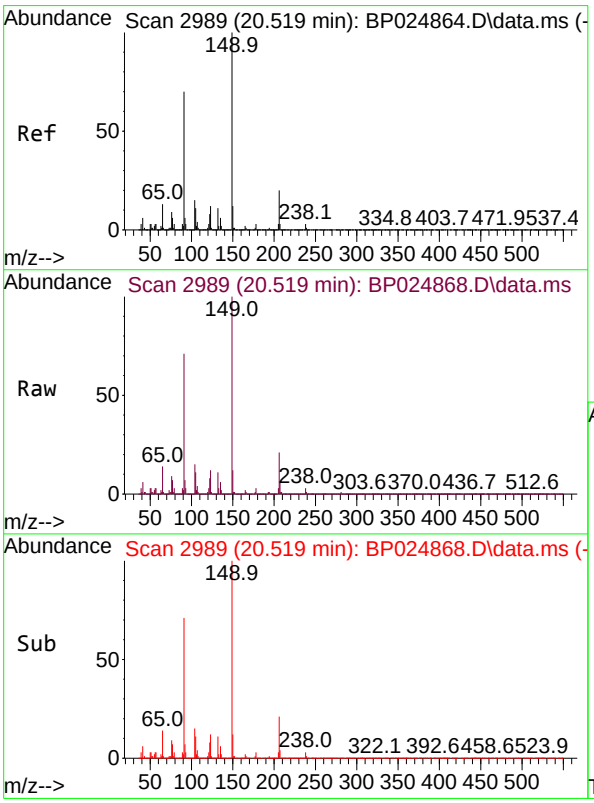
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.6	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

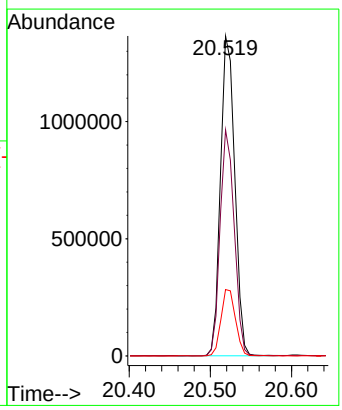
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

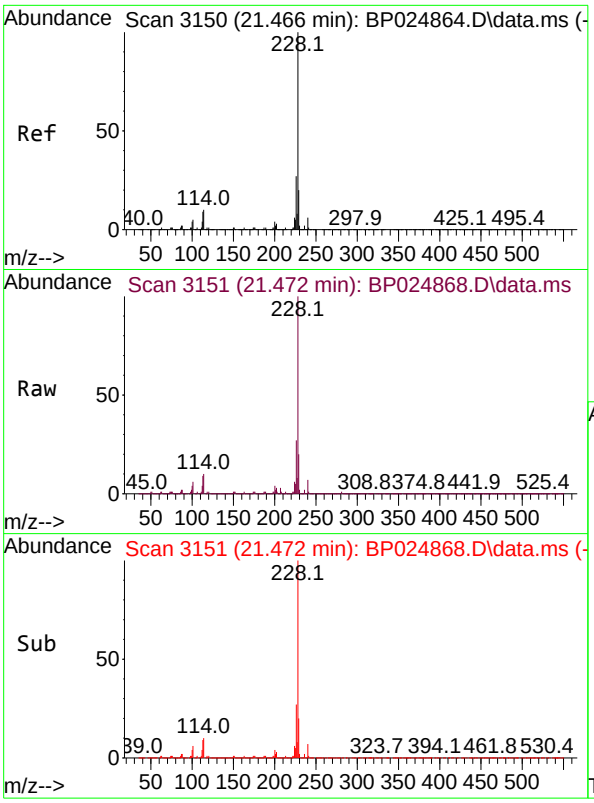


#80
Butylbenzylphthalate
Concen: 37.347 ng
RT: 20.519 min Scan# 2989
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 1664895

Ion	Ratio	Lower	Upper
149	100		
91	70.6	55.8	83.8
206	20.7	16.2	24.2

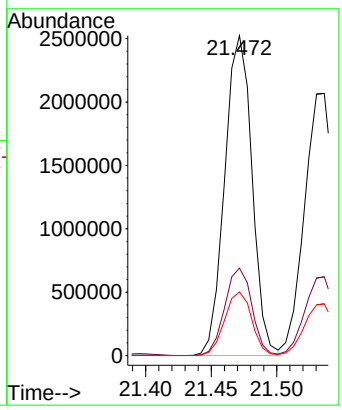




#81
Benzo(a)anthracene
Concen: 36.741 ng
RT: 21.472 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:228 Resp: 366073

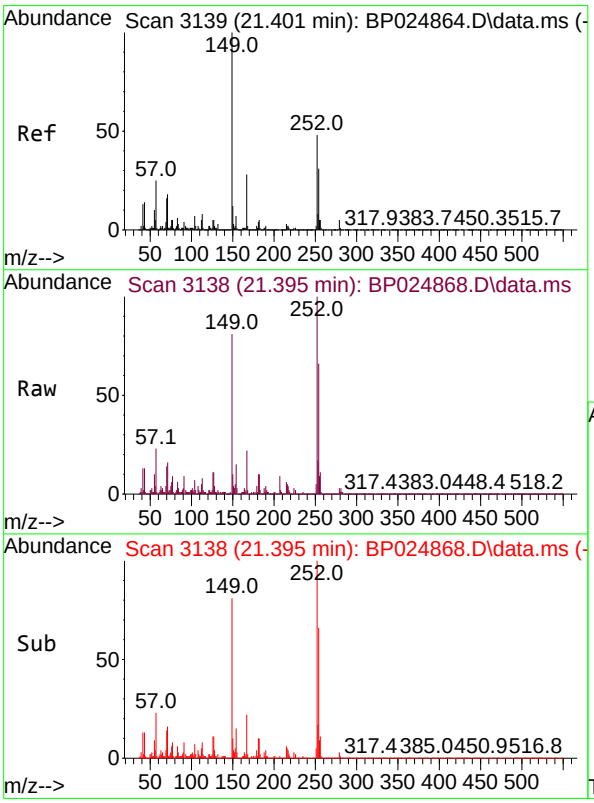
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

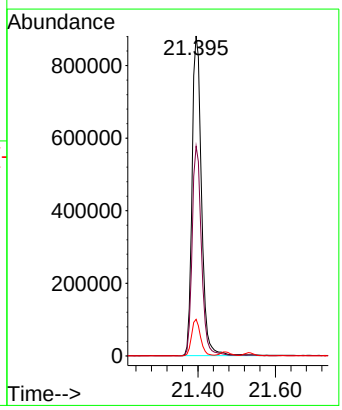
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

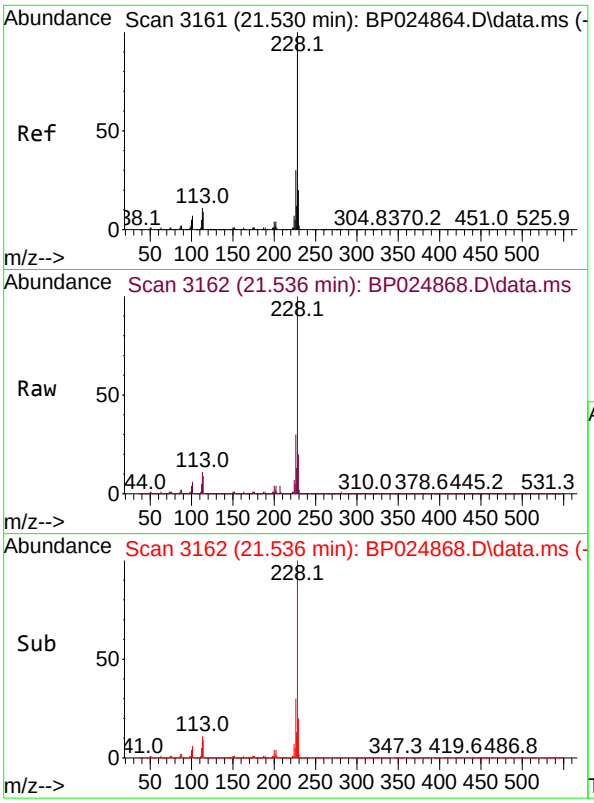


#82
3,3'-Dichlorobenzidine
Concen: 37.613 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 1487801

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.2	76.8
126	11.4	8.6	12.8





#83
Chrysene
Concen: 36.421 ng
RT: 21.536 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

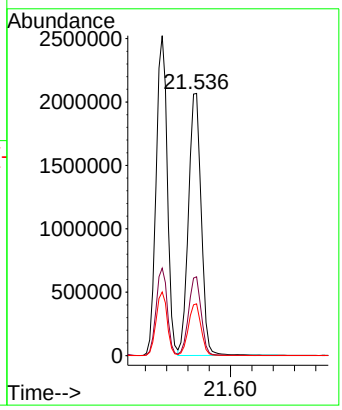
Instrument :
BNA_P
ClientSampleId :
ICVBP060625

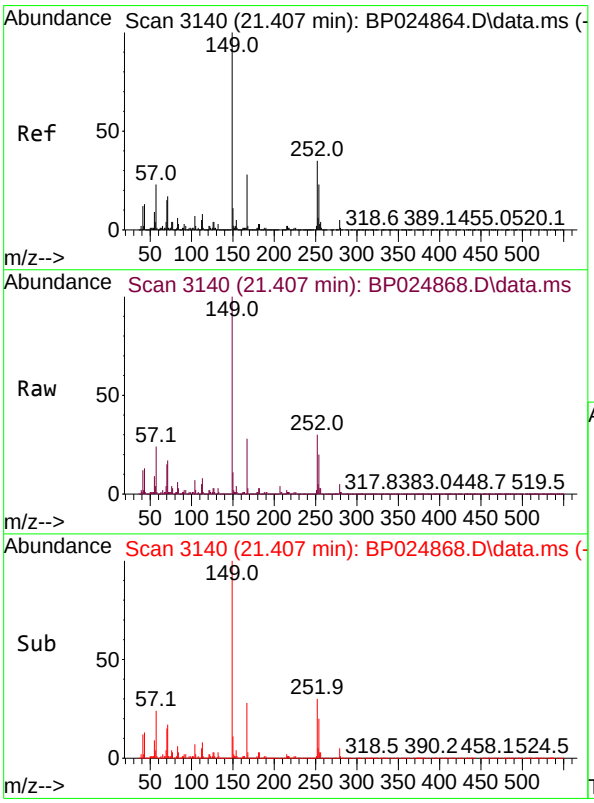
Tgt Ion:228 Resp: 3438391

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	19.8	15.6	23.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

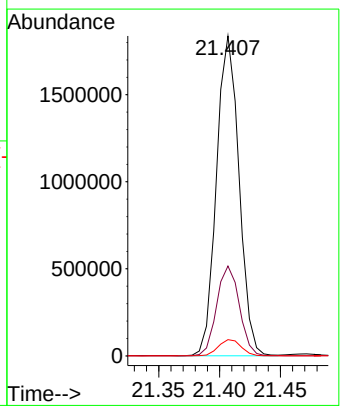


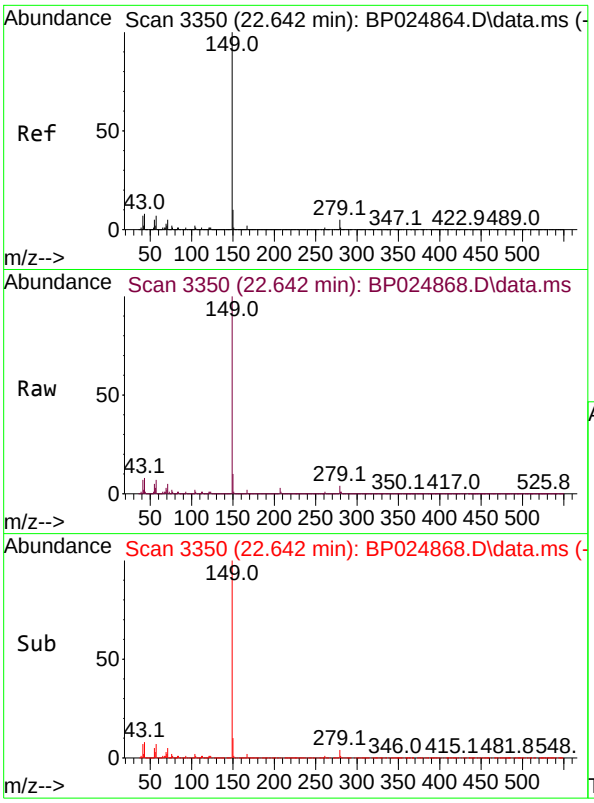


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.041 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 2365859

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.1	4.0	6.0

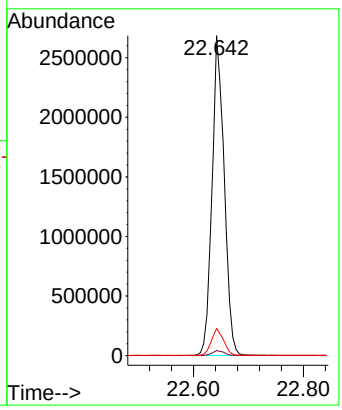




#85
Di-n-octyl phthalate
Concen: 36.654 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 412647

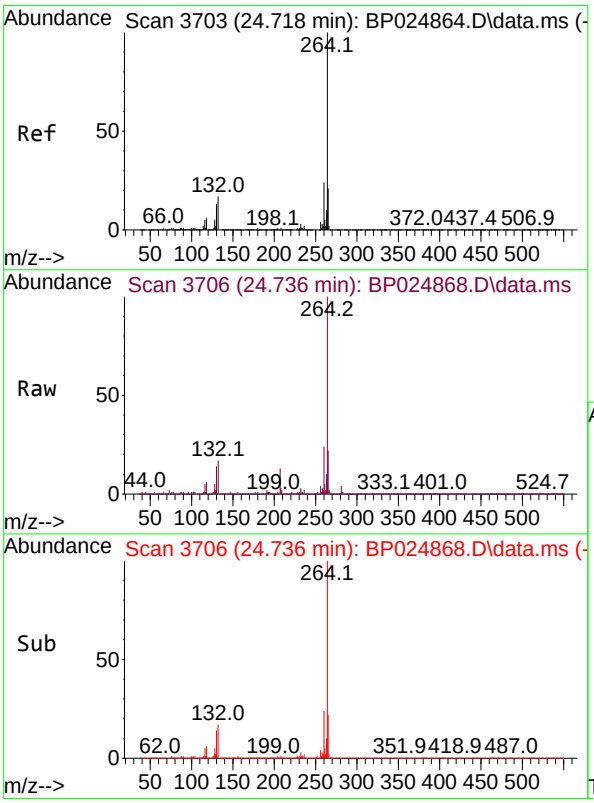
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

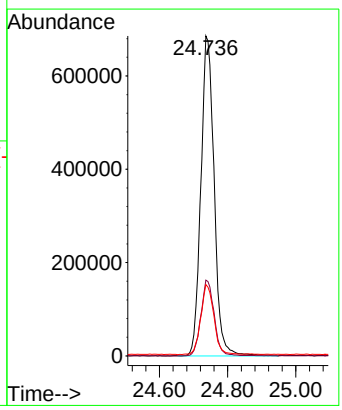
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

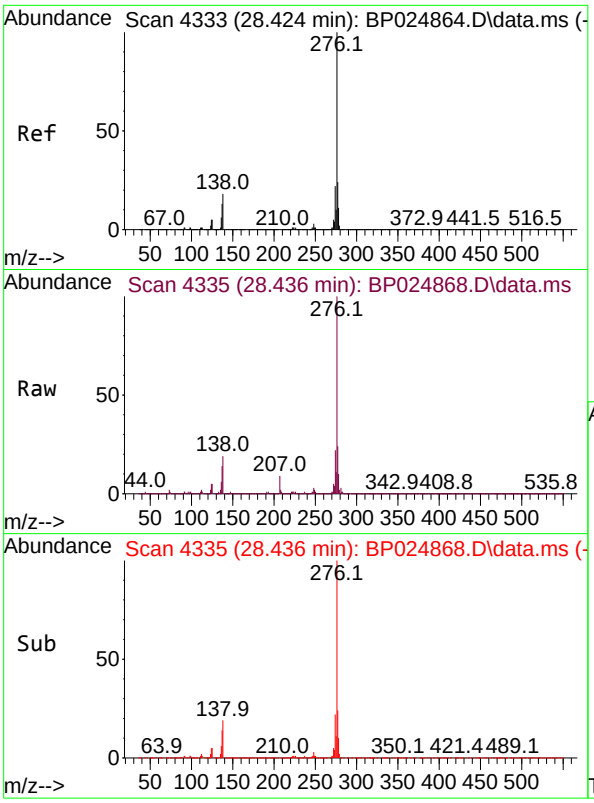


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:264 Resp: 1860226

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.3	17.4	26.0

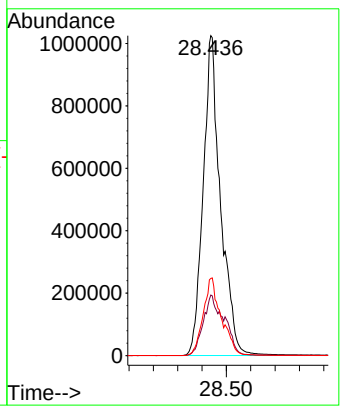




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.578 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:276 Resp: 5100289

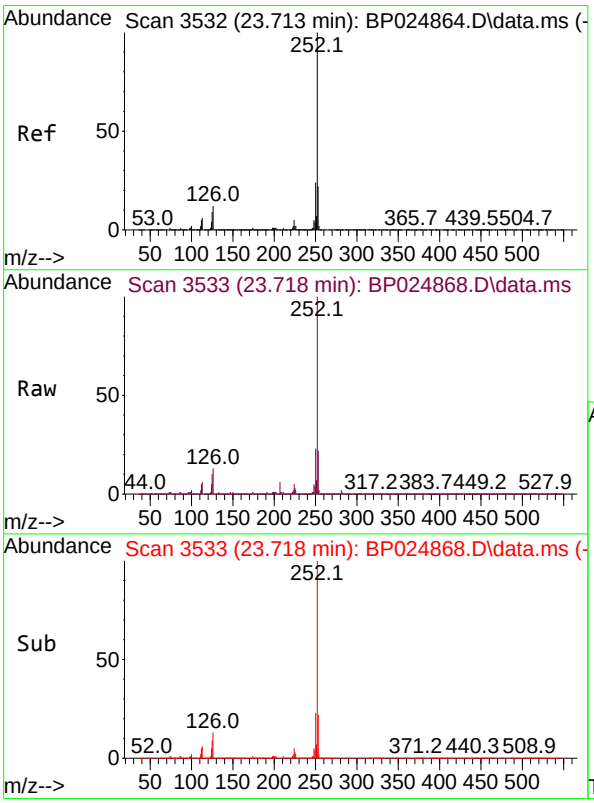
Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

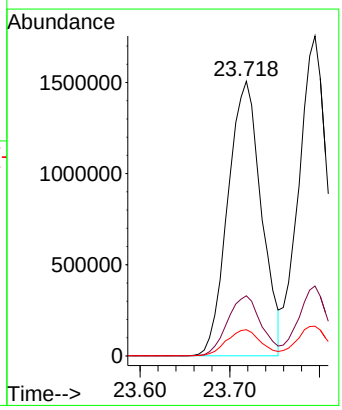
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

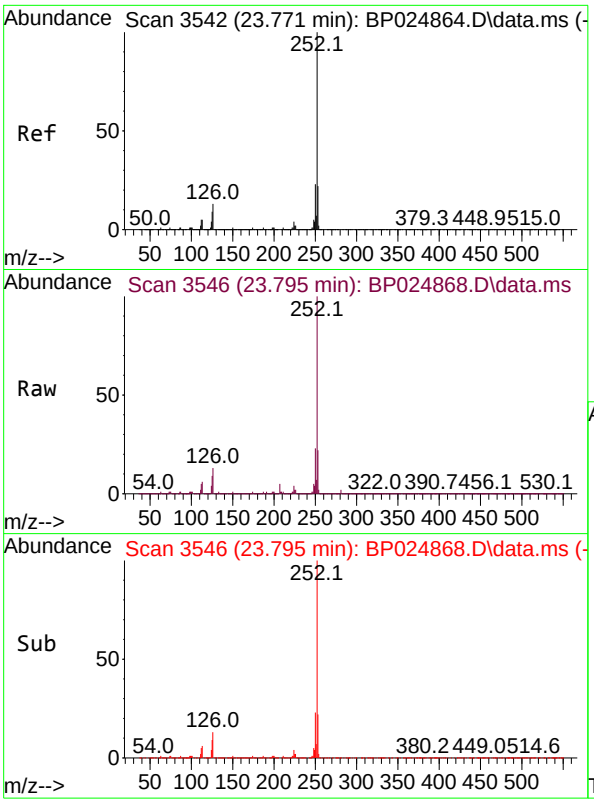


#88
Benzo(b)fluoranthene
Concen: 36.735 ng
RT: 23.718 min Scan# 3533
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 3910900

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.5	7.1	10.7

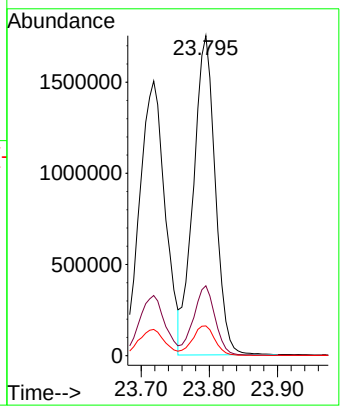




#89
Benzo(k)fluoranthene
Concen: 36.032 ng
RT: 23.795 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 390466

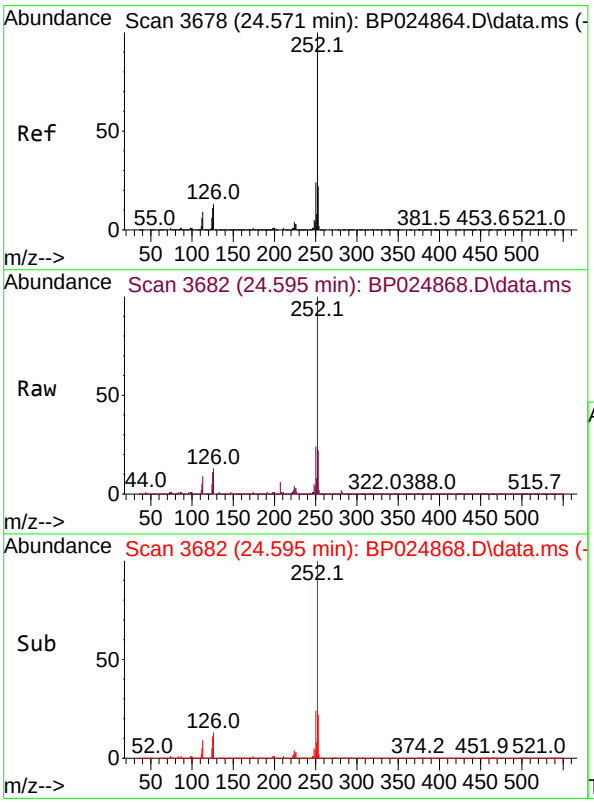
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.3	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

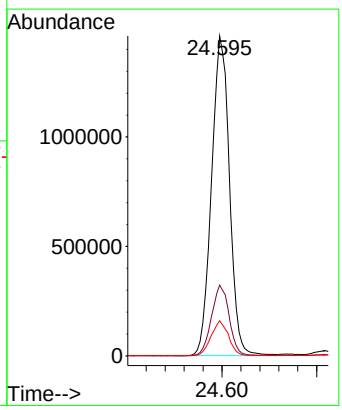
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

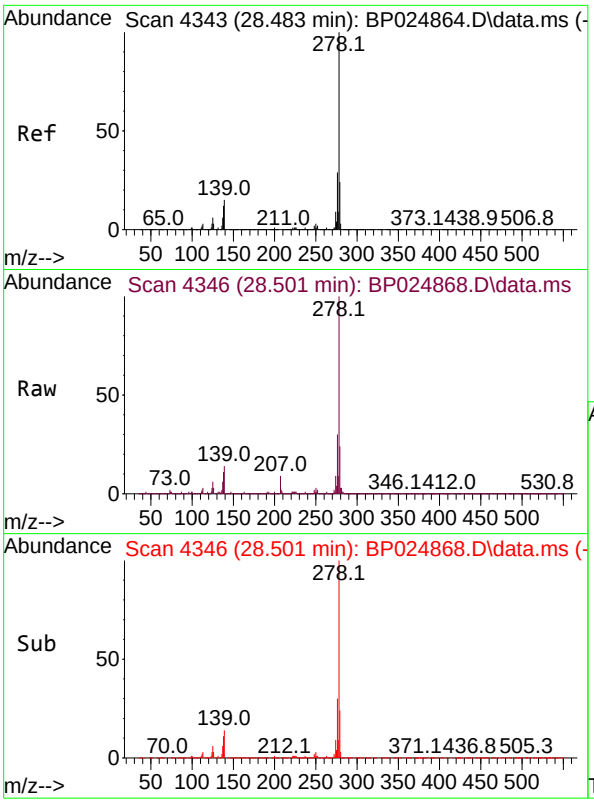


#90
Benzo(a)pyrene
Concen: 36.932 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 3839776

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.0	8.8	13.2

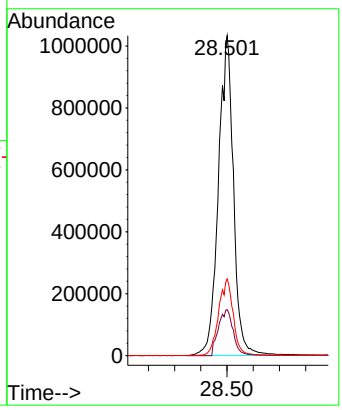




#91
Dibenzo(a,h)anthracene
Concen: 37.321 ng
RT: 28.501 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:278 Resp: 412311

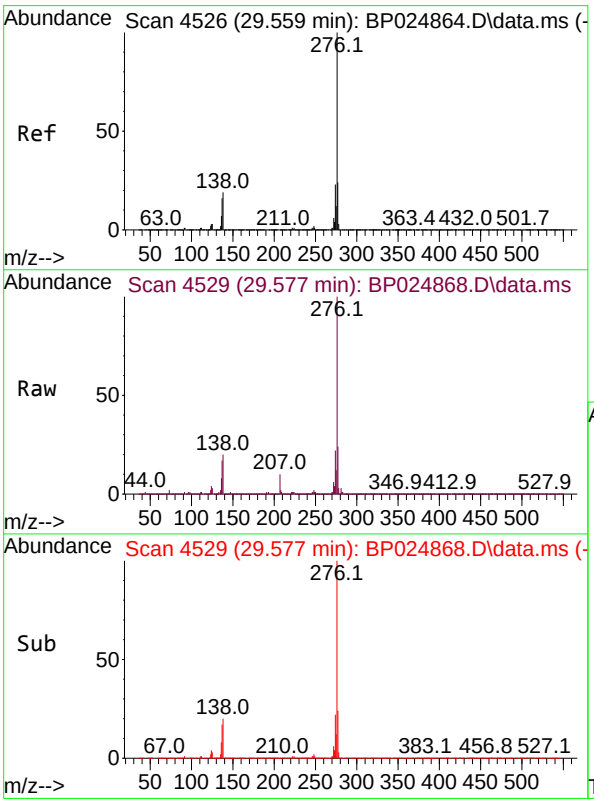
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.0	18.0
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

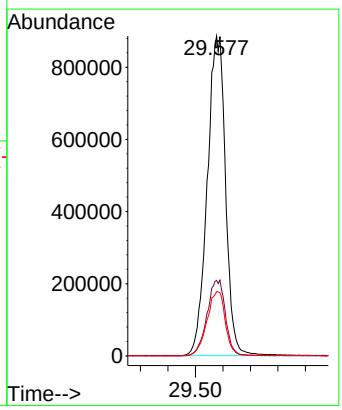
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 37.385 ng
RT: 29.577 min Scan# 4529
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:276 Resp: 4097986

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	20.1	15.4	23.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	-0.02
2		1,4-Dioxane	0.527	0.466	11.6	97	0.00
3		Pyridine	1.268	1.271	-0.2	107	-0.01
4		n-Nitrosodimethylamine	0.518	0.537	-3.7	110	-0.01
5	S	2-Fluorophenol	1.198	1.097	8.4	97	-0.01
6		Aniline	2.023	2.033	-0.5	106	-0.02
7	S	Phenol-d6	1.585	1.516	4.4	101	-0.01
8		2-Chlorophenol	1.358	1.326	2.4	104	-0.02
9		Benzaldehyde	0.914	1.110	-21.4	131	-0.02
10	C	Phenol	1.634	1.630	0.2	106	-0.02
11		bis(2-Chloroethyl)ether	1.285	1.265	1.6	106	-0.02
12		1,3-Dichlorobenzene	1.515	1.417	6.5	103	-0.01
13	C	1,4-Dichlorobenzene	1.529	1.430	6.5	103	-0.01
14		1,2-Dichlorobenzene	1.501	1.391	7.3	102	-0.02
15		Benzyl Alcohol	1.217	1.243	-2.1	110	-0.02
16		2,2'-oxybis(1-Chloropropane	1.682	1.637	2.7	107	0.00
17		2-Methylphenol	1.141	1.141	0.0	106	-0.02
18		Hexachloroethane	0.576	0.535	7.1	101	-0.01
19	P	n-Nitroso-di-n-propylamine	1.078	1.078	0.0	107	-0.01
20		3+4-Methylphenols	1.557	1.536	1.3	106	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.01
22		Acetophenone	0.505	0.487	3.6	107	-0.01
23	S	Nitrobenzene-d5	0.412	0.345	16.3	92	-0.01
24		Nitrobenzene	0.366	0.359	1.9	107	-0.01
25		Isophorone	0.713	0.697	2.2	108	-0.01
26	C	2-Nitrophenol	0.180	0.178	1.1	106	-0.01
27		2,4-Dimethylphenol	0.309	0.299	3.2	106	-0.02
28		bis(2-Chloroethoxy)methane	0.426	0.408	4.2	106	-0.02
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	107	-0.01
30		1,2,4-Trichlorobenzene	0.334	0.305	8.7	104	-0.01
31		Naphthalene	1.025	0.950	7.3	103	-0.02
32		Benzoic acid	0.209	0.211	-1.0	111	-0.01
33		4-Chloroaniline	0.429	0.425	0.9	107	-0.01
34	C	Hexachlorobutadiene	0.201	0.183	9.0	101	-0.01
35		Caprolactam	0.109	0.112	-2.8	110	-0.01
36	C	4-Chloro-3-methylphenol	0.342	0.346	-1.2	109	-0.01
37		2-Methylnaphthalene	0.650	0.625	3.8	106	-0.01
38		1-Methylnaphthalene	0.695	0.655	5.8	105	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00
40		1,2,4,5-Tetrachlorobenzene	0.568	0.527	7.2	106	0.00
41	P	Hexachlorocyclopentadiene	0.346	0.330	4.6	106	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.253	8.7	102	0.00
43	C	2,4,6-Trichlorophenol	0.381	0.370	2.9	107	-0.01
44		2,4,5-Trichlorophenol	0.408	0.399	2.2	106	0.00
45	S	2-Fluorobiphenyl	1.485	1.159	22.0	90	-0.01
46		1,1'-Biphenyl	1.453	1.363	6.2	106	0.00
47		2-Chloronaphthalene	1.117	1.030	7.8	104	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.343	0.350	-2.0	110	0.00
49		Acenaphthylene	1.863	1.736	6.8	106	0.00
50		Dimethylphthalate	1.475	1.372	7.0	106	0.00
51		2,6-Dinitrotoluene	0.318	0.303	4.7	105	0.00
52	C	Acenaphthene	1.067	1.000	6.3	106	0.00
53		3-Nitroaniline	0.330	0.335	-1.5	107	0.00
54	P	2,4-Dinitrophenol	0.178	0.182	-2.2	110	0.00
55		Dibenzofuran	1.713	1.568	8.5	104	0.00
56	P	4-Nitrophenol	0.239	0.247	-3.3	108	0.00
57		2,4-Dinitrotoluene	0.445	0.433	2.7	107	0.00
58		Fluorene	1.384	1.282	7.4	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.350	4.1	107	0.00
60		Diethylphthalate	1.470	1.384	5.9	108	0.00
61		4-Chlorophenyl-phenylether	0.677	0.623	8.0	106	0.00
62		4-Nitroaniline	0.299	0.316	-5.7	110	0.00
63		Azobenzene	1.349	1.288	4.5	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	0.131	0.128	2.3	110	0.00
66	c	n-Nitrosodiphenylamine	0.620	0.571	7.9	107	0.00
67		4-Bromophenyl-phenylether	0.226	0.202	10.6	107	0.00
68		Hexachlorobenzene	0.274	0.247	9.9	107	0.00
69		Atrazine	0.225	0.208	7.6	108	0.00
70	C	Pentachlorophenol	0.142	0.139	2.1	113	0.00
71		Phenanthrene	1.105	1.011	8.5	107	0.00
72		Anthracene	1.119	1.033	7.7	108	0.01
73		Carbazole	1.038	0.979	5.7	110	0.00
74		Di-n-butylphthalate	1.285	1.173	8.7	103	0.00
75	C	Fluoranthene	1.281	1.164	9.1	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.619	0.692	-11.8	118	0.00
78		Pyrene	1.249	1.132	9.4	107	0.00
79	S	Terphenyl-d14	1.116	0.873	21.8	89	0.00
80		Butylbenzylphthalate	0.572	0.534	6.6	106	0.00
81		Benzo(a)anthracene	1.279	1.175	8.1	107	0.00
82		3,3'-Dichlorobenzidine	0.508	0.478	5.9	108	0.00
83		Chrysene	1.212	1.104	8.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.820	0.759	7.4	106	0.00
85	c	Di-n-octyl phthalate	1.445	1.324	8.4	107	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.02
87		Indeno(1,2,3-cd)pyrene	1.459	1.371	6.0	110	0.01
88		Benzo(b)fluoranthene	1.145	1.051	8.2	106	0.00
89		Benzo(k)fluoranthene	1.165	1.050	9.9	107	0.02
90	C	Benzo(a)pyrene	1.118	1.032	7.7	109	0.02
91		Dibenzo(a,h)anthracene	1.188	1.108	6.7	110	0.02
92		Benzo(g,h,i)perylene	1.179	1.101	6.6	110	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	-0.02
2		1,4-Dioxane	40.000	35.338	11.7	97	0.00
3		Pyridine	40.000	40.092	-0.2	107	-0.01
4		n-Nitrosodimethylamine	40.000	41.411	-3.5	110	-0.01
5	S	2-Fluorophenol	80.000	73.239	8.5	97	-0.01
6		Aniline	40.000	40.192	-0.5	106	-0.02
7	S	Phenol-d6	80.000	76.488	4.4	101	-0.01
8		2-Chlorophenol	40.000	39.034	2.4	104	-0.02
9		Benzaldehyde	40.000	48.599	-21.5	131	-0.02
10	C	Phenol	40.000	39.895	0.3	106	-0.02
11		bis(2-Chloroethyl)ether	40.000	39.368	1.6	106	-0.02
12		1,3-Dichlorobenzene	40.000	37.402	6.5	103	-0.01
13	C	1,4-Dichlorobenzene	40.000	37.417	6.5	103	-0.01
14		1,2-Dichlorobenzene	40.000	37.071	7.3	102	-0.02
15		Benzyl Alcohol	40.000	40.859	-2.1	110	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	38.927	2.7	107	0.00
17		2-Methylphenol	40.000	39.981	0.0	106	-0.02
18		Hexachloroethane	40.000	37.151	7.1	101	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.009	-0.0	107	-0.01
20		3+4-Methylphenols	40.000	39.466	1.3	106	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	108	-0.01
22		Acetophenone	40.000	38.549	3.6	107	-0.01
23	S	Nitrobenzene-d5	80.000	67.150	16.1	92	-0.01
24		Nitrobenzene	40.000	39.258	1.9	107	-0.01
25		Isophorone	40.000	39.109	2.2	108	-0.01
26	C	2-Nitrophenol	40.000	39.558	1.1	106	-0.01
27		2,4-Dimethylphenol	40.000	38.761	3.1	106	-0.02
28		bis(2-Chloroethoxy)methane	40.000	38.351	4.1	106	-0.02
29	C	2,4-Dichlorophenol	40.000	39.046	2.4	107	-0.01
30		1,2,4-Trichlorobenzene	40.000	36.514	8.7	104	-0.01
31		Naphthalene	40.000	37.089	7.3	103	-0.02
32		Benzoic acid	40.000	40.420	-1.1	111	-0.01
33		4-Chloroaniline	40.000	39.581	1.0	107	-0.01
34	C	Hexachlorobutadiene	40.000	36.314	9.2	101	-0.01
35		Caprolactam	40.000	41.229	-3.1	110	-0.01
36	C	4-Chloro-3-methylphenol	40.000	40.474	-1.2	109	-0.01
37		2-Methylnaphthalene	40.000	38.430	3.9	106	-0.01
38		1-Methylnaphthalene	40.000	37.674	5.8	105	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.136	7.2	106	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.177	4.6	106	-0.01
42	S	2,4,6-Tribromophenol	80.000	73.160	8.6	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.812	3.0	107	-0.01
44		2,4,5-Trichlorophenol	40.000	39.064	2.3	106	0.00
45	S	2-Fluorobiphenyl	80.000	62.434	22.0	90	-0.01
46		1,1'-Biphenyl	40.000	37.502	6.2	106	0.00
47		2-Chloronaphthalene	40.000	36.886	7.8	104	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.813	-2.0	110	0.00
49		Acenaphthylene	40.000	37.274	6.8	106	0.00
50		Dimethylphthalate	40.000	37.185	7.0	106	0.00
51		2,6-Dinitrotoluene	40.000	38.111	4.7	105	0.00
52	C	Acenaphthene	40.000	37.472	6.3	106	0.00
53		3-Nitroaniline	40.000	40.626	-1.6	107	0.00
54	P	2,4-Dinitrophenol	40.000	38.197	4.5	110	0.00
55		Dibenzofuran	40.000	36.605	8.5	104	0.00
56	P	4-Nitrophenol	40.000	38.363	4.1	108	0.00
57		2,4-Dinitrotoluene	40.000	38.936	2.7	107	0.00
58		Fluorene	40.000	37.043	7.4	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.401	4.0	107	0.00
60		Diethylphthalate	40.000	37.642	5.9	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.814	8.0	106	0.00
62		4-Nitroaniline	40.000	42.233	-5.6	110	0.00
63		Azobenzene	40.000	38.217	4.5	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.956	2.6	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.846	7.9	107	0.00
67		4-Bromophenyl-phenylether	40.000	35.890	10.3	107	0.00
68		Hexachlorobenzene	40.000	36.182	9.5	107	0.00
69		Atrazine	40.000	37.108	7.2	108	0.00
70	C	Pentachlorophenol	40.000	39.247	1.9	113	0.00
71		Phenanthrene	40.000	36.595	8.5	107	0.00
72		Anthracene	40.000	36.903	7.7	108	0.01
73		Carbazole	40.000	37.755	5.6	110	0.00
74		Di-n-butylphthalate	40.000	36.500	8.8	103	0.00
75	C	Fluoranthene	40.000	36.337	9.2	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	44.696	-11.7	118	0.00
78		Pyrene	40.000	36.241	9.4	107	0.00
79	S	Terphenyl-d14	80.000	62.551	21.8	89	0.00
80		Butylbenzylphthalate	40.000	37.347	6.6	106	0.00
81		Benzo(a)anthracene	40.000	36.741	8.1	107	0.00
82		3,3'-Dichlorobenzidine	40.000	37.613	6.0	108	0.00
83		Chrysene	40.000	36.421	8.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.041	7.4	106	0.00
85	c	Di-n-octyl phthalate	40.000	36.654	8.4	107	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.578	6.1	110	0.01
88		Benzo(b)fluoranthene	40.000	36.735	8.2	106	0.00
89		Benzo(k)fluoranthene	40.000	36.032	9.9	107	0.02
90	C	Benzo(a)pyrene	40.000	36.932	7.7	109	0.02
91		Dibenzo(a,h)anthracene	40.000	37.321	6.7	110	0.02
92		Benzo(g,h,i)perylene	40.000	37.385	6.5	110	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF142640.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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.121		-5.6	
Benzaldehyde	0.859	0.766		-10.8	
Phenol-d6	1.429	1.356		-5.1	
Phenol	1.608	1.531		-4.8	20.0
bis(2-Chloroethyl)ether	1.157	1.138		-1.6	
2-Chlorophenol	1.293	1.241		-4.0	
2-Methylphenol	1.010	0.964		-4.6	
2,2-oxybis(1-Chloropropane)	1.944	1.880		-3.3	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.177		-9.0	
n-Nitroso-di-n-propylamine	0.886	0.812	0.050	-8.4	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.489		-3.5	
Nitrobenzene	0.331	0.311		-6.0	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.292		-6.4	
bis(2-Chloroethoxy)methane	0.383	0.361		-5.7	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.926		-6.0	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.071		-11.3	
4-Chloro-3-methylphenol	0.291	0.262		-10.0	20.0
2-Methylnaphthalene	0.620	0.577		-6.9	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2,4,6-Trichlorophenol	0.387	0.375		-3.1	20.0
2-Fluorobiphenyl	1.490	1.353		-9.2	
2,4,5-Trichlorophenol	0.408	0.381		-6.6	
1,1-Biphenyl	1.552	1.469		-5.3	
2-Chloronaphthalene	1.146	1.112		-3.0	
2-Nitroaniline	0.331	0.307		-7.3	
Dimethylphthalate	1.320	1.176		-10.9	
Acenaphthylene	1.936	1.812		-6.4	
2,6-Dinitrotoluene	0.285	0.258		-9.5	
3-Nitroaniline	0.311	0.273		-12.2	
Acenaphthene	1.182	1.087		-8.0	20.0
2,4-Dinitrophenol	0.147	0.127	0.050	-13.6	
4-Nitrophenol	0.230	0.182	0.050	-20.9	

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.563		-8.1	
2,4-Dinitrotoluene	0.372	0.330		-11.3	
Diethylphthalate	1.289	1.095		-15.1	
4-Chlorophenyl-phenylether	0.646	0.584		-9.6	
Fluorene	1.314	1.186		-9.7	
4-Nitroaniline	0.282	0.233		-17.4	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.680		-0.6	20.0
2,4,6-Tribromophenol	0.222	0.192		-13.5	
4-Bromophenyl-phenylether	0.236	0.239		1.3	
Hexachlorobenzene	0.262	0.263		0.4	
Atrazine	0.182	0.168		-7.7	
Pentachlorophenol	0.148	0.135		-8.8	20.0
Phenanthrene	1.069	1.013		-5.2	
Anthracene	1.091	1.048		-3.9	
Carbazole	0.933	0.847		-9.2	
Di-n-butylphthalate	1.021	0.903		-11.6	
Fluoranthene	0.999	0.880		-11.9	20.0
Pyrene	1.866	1.563		-16.2	
Terphenyl-d14	1.464	1.196		-18.3	
Butylbenzylphthalate	0.516	0.527		2.1	
3,3-Dichlorobenzidine	0.405	0.465		14.8	
Benzo(a)anthracene	1.336	1.219		-8.8	
Chrysene	1.200	1.183		-1.4	
Bis(2-ethylhexyl)phthalate	0.660	0.831		25.9	
Di-n-octyl phthalate	1.290	1.594		23.6	20.0
Benzo(b)fluoranthene	1.184	1.106		-6.6	
Benzo(k)fluoranthene	1.109	0.999		-9.9	
Benzo(a)pyrene	1.116	1.052		-5.7	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.380		-8.1	
Dibenzo(a,h)anthracene	1.218	1.119		-8.1	
Benzo(g,h,i)perylene	1.218	1.111		-8.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.558		-2.8	
1,4-Dioxane	0.475	0.477		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.306		-10.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	126582	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	487381	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	254808	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	375492	20.000	ng	0.00
76) Chrysene-d12	14.069	240	207998	20.000	ng	0.00
86) Perylene-d12	15.563	264	270482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	567619	75.548	ng	0.00
7) Phenol-d6	6.522	99	686543	75.909	ng	-0.01
23) Nitrobenzene-d5	7.463	82	668519	74.795	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	195700	69.200	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1379352	72.639	ng	-0.01
79) Terphenyl-d14	13.010	244	994839	65.361	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	120748	40.162	ng	99
3) Pyridine	3.428	79	303533	39.645	ng	98
4) n-Nitrosodimethylamine	3.375	42	148916	37.460	ng	91
6) Aniline	6.557	93	470226	38.667	ng	99
8) 2-Chlorophenol	6.681	128	314296	38.405	ng	99
9) Benzaldehyde	6.445	77	193977	35.659	ng	99
10) Phenol	6.540	94	387636	38.090	ng	98
11) bis(2-Chloroethyl)ether	6.628	93	288182	39.339	ng	99
12) 1,3-Dichlorobenzene	6.834	146	350266	38.357	ng	99
13) 1,4-Dichlorobenzene	6.910	146	352194	38.288	ng	99
14) 1,2-Dichlorobenzene	7.063	146	339891	38.616	ng	100
15) Benzyl Alcohol	7.034	79	249352	37.307	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	475990	38.691	ng	98
17) 2-Methylphenol	7.145	107	244140	38.210	ng	99
18) Hexachloroethane	7.410	117	123790	38.540	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	205576	36.676	ng	97
20) 3+4-Methylphenols	7.298	107	298098	36.433	ng	96
22) Acetophenone	7.304	105	399268	37.007	ng	98
24) Nitrobenzene	7.481	77	303326	37.627	ng	99
25) Isophorone	7.716	82	551760	36.922	ng	98
26) 2-Nitrophenol	7.792	139	169530	39.357	ng	97
27) 2,4-Dimethylphenol	7.828	122	284612	37.468	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	352159	37.724	ng	100
29) 2,4-Dichlorophenol	8.040	162	266441	38.569	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	286082	38.158	ng	99
31) Naphthalene	8.204	128	902829	37.620	ng	100
32) Benzoic acid	7.939	122	169223	36.597	ng	94
33) 4-Chloroaniline	8.251	127	371240	38.176	ng	98
34) Hexachlorobutadiene	8.316	225	176293	37.659	ng	99
35) Caprolactam	8.616	113	69065	35.597	ng	97
36) 4-Chloro-3-methylphenol	8.728	107	255521	36.092	ng	96
37) 2-Methylnaphthalene	8.892	142	562355	37.247	ng	99
38) 1-Methylnaphthalene	8.992	142	576438	36.911	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	284565	38.904	ng	99
41) Hexachlorocyclopentadiene	9.045	237	181051	36.693	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	191031	38.731	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

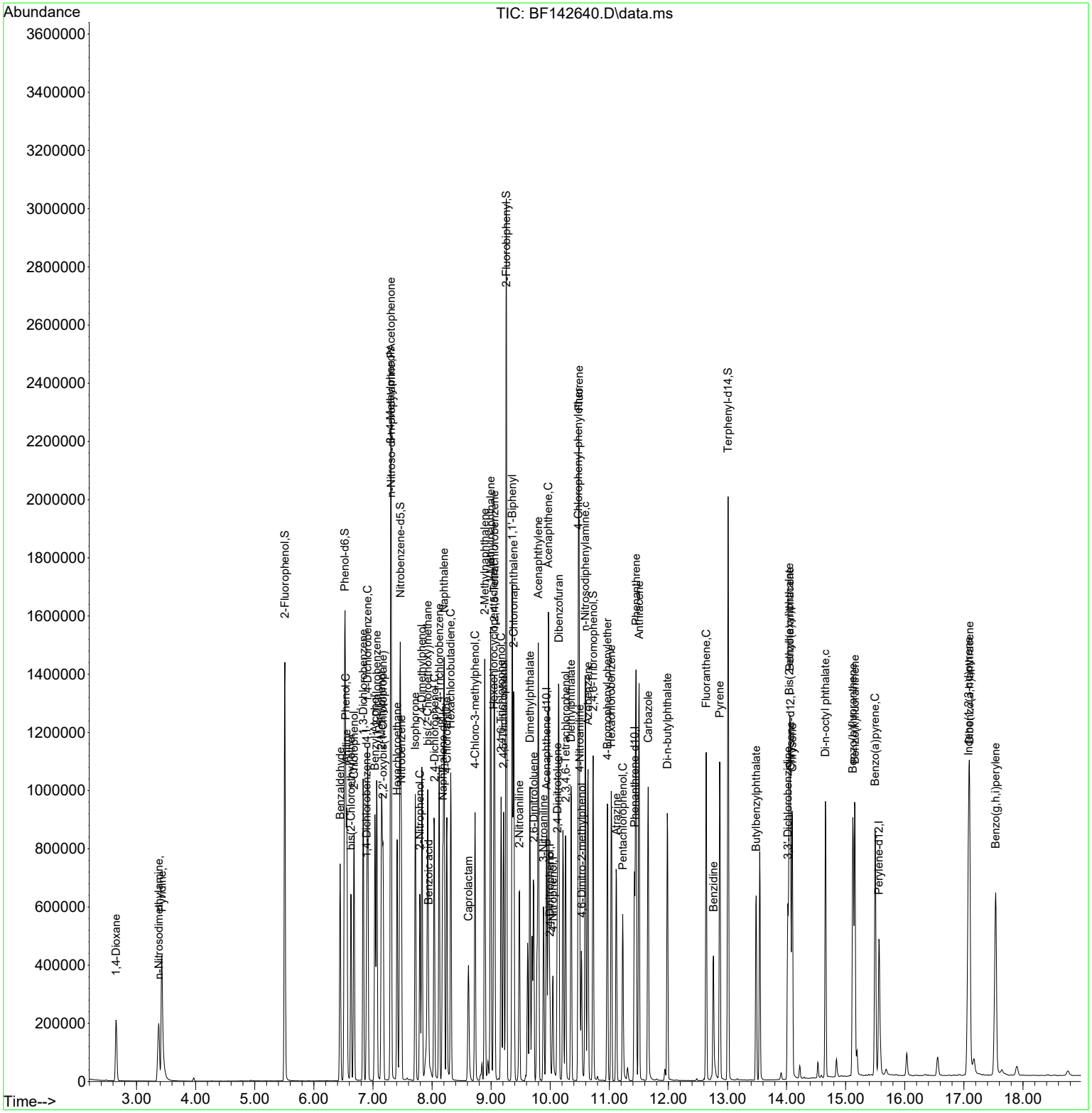
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	194235	37.340	ng	98
46) 1,1'-Biphenyl	9.357	154	748396	37.858	ng	100
47) 2-Chloronaphthalene	9.381	162	566838	38.809	ng	98
48) 2-Nitroaniline	9.475	65	156209	37.002	ng	98
49) Acenaphthylene	9.798	152	923512	37.446	ng	100
50) Dimethylphthalate	9.657	163	599163	35.637	ng	100
51) 2,6-Dinitrotoluene	9.722	165	131723	36.299	ng	96
52) Acenaphthene	9.969	154	553836	36.776	ng	99
53) 3-Nitroaniline	9.886	138	139005	35.071	ng	100
54) 2,4-Dinitrophenol	9.992	184	64611	34.463	ng	93
55) Dibenzofuran	10.145	168	796671	36.762	ng	98
56) 4-Nitrophenol	10.045	139	92741	31.712	ng	98
57) 2,4-Dinitrotoluene	10.122	165	168308	35.515	ng	100
58) Fluorene	10.486	166	604227	36.090	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	155965	35.916	ng	98
60) Diethylphthalate	10.351	149	558210	33.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	297816	36.211	ng	97
62) 4-Nitroaniline	10.498	138	118630	33.002	ng	95
63) Azobenzene	10.639	77	527723	35.781	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	85207	40.661	ng	95
66) n-Nitrosodiphenylamine	10.592	169	510795	39.762	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	179615	40.455	ng	96
68) Hexachlorobenzene	11.033	284	197563	40.231	ng	100
69) Atrazine	11.122	200	125923	36.910	ng	99
70) Pentachlorophenol	11.228	266	101401	36.574	ng	99
71) Phenanthrene	11.451	178	760473	37.897	ng	100
72) Anthracene	11.504	178	786902	38.423	ng	100
73) Carbazole	11.657	167	636015	36.327	ng	99
74) Di-n-butylphthalate	11.980	149	677951	35.376	ng	100
75) Fluoranthene	12.639	202	660603	35.231	ng	98
77) Benzidine	12.763	184	286297	36.988	ng	99
78) Pyrene	12.869	202	650132	33.506	ng	99
80) Butylbenzylphthalate	13.486	149	219107	40.867	ng	96
81) Benzo(a)anthracene	14.057	228	507284	36.524	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	193262	45.876	ng	98
83) Chrysene	14.098	228	491967	39.420	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	345615	50.356	ng	98
85) Di-n-octyl phthalate	14.657	149	662892	49.395	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	746484	36.762	ng	98
88) Benzo(b)fluoranthene	15.121	252	598065	37.359	ng	98
89) Benzo(k)fluoranthene	15.157	252	540571	36.053	ng	99
90) Benzo(a)pyrene	15.498	252	569346	37.731	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	605250	36.750	ng	98
92) Benzo(g,h,i)perylene	17.539	276	600963	36.482	ng	98

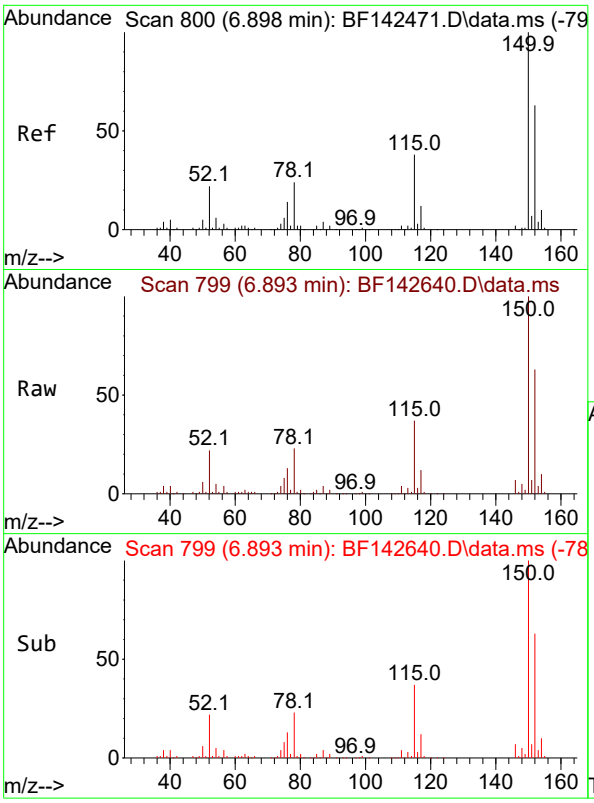
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration



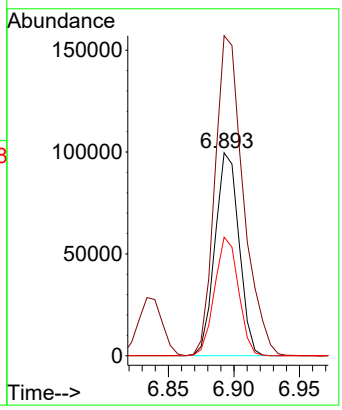


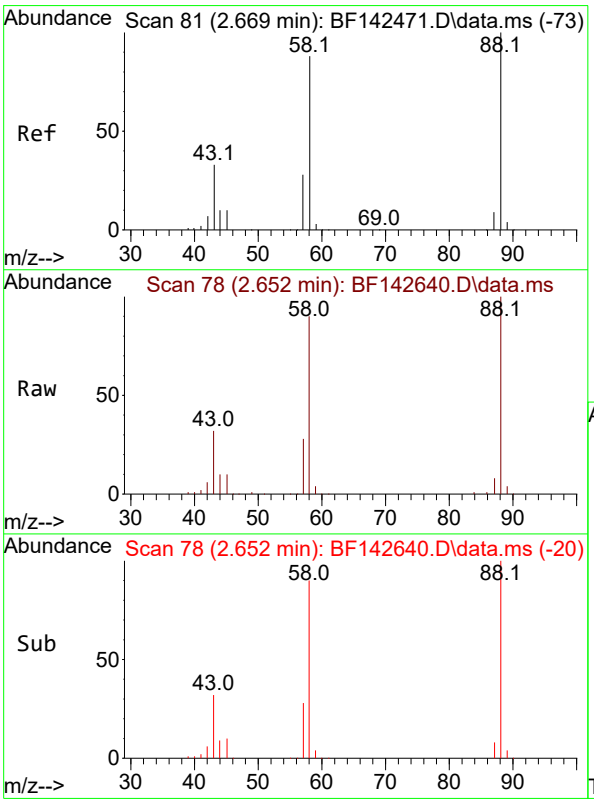
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 126582

Ion	Ratio	Lower	Upper
152	100		
150	157.7	128.2	192.4
115	58.4	48.3	72.5

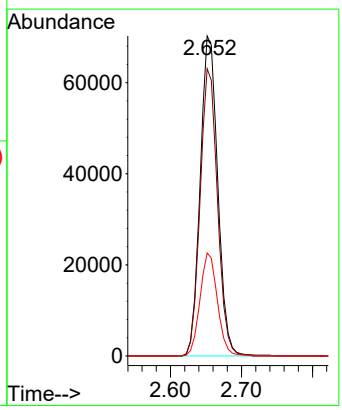


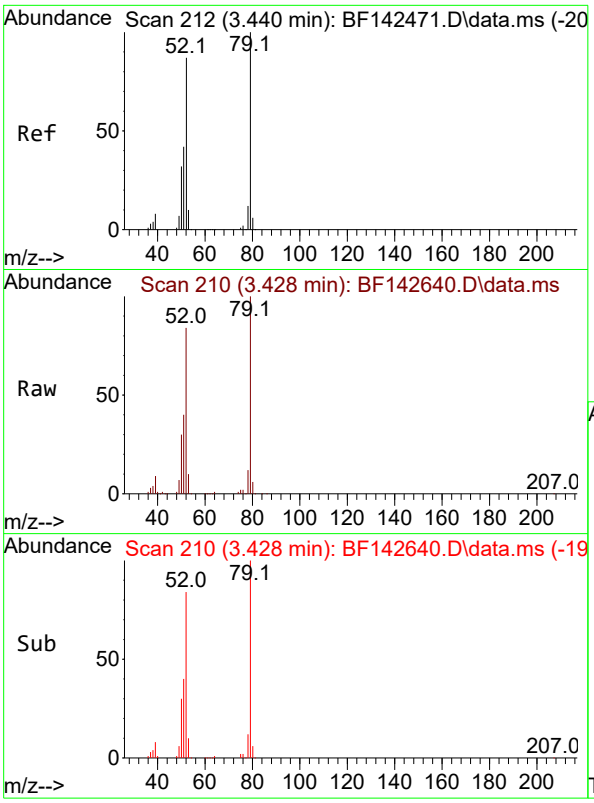


#2
1,4-Dioxane
Concen: 40.162 ng
RT: 2.652 min Scan# 78
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 88 Resp: 120748

Ion	Ratio	Lower	Upper
88	100		
58	88.6	70.8	106.2
43	31.9	26.6	40.0



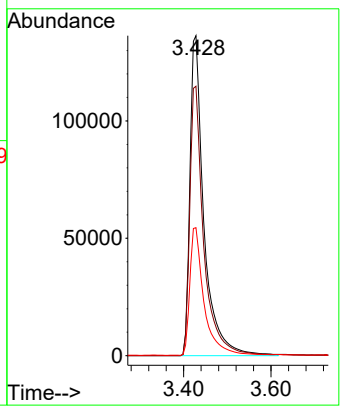


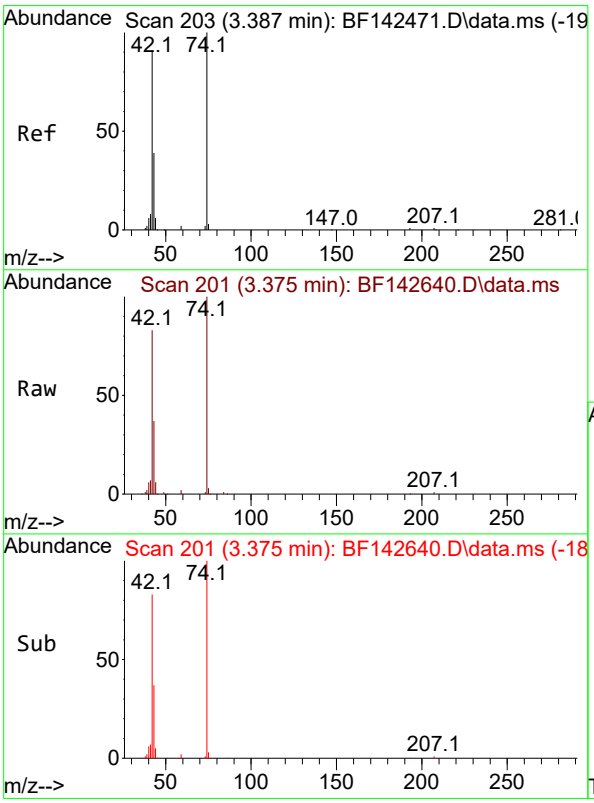
#3
Pyridine
Concen: 39.645 ng
RT: 3.428 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 303533

Ion	Ratio	Lower	Upper
79	100		
52	84.2	69.2	103.8
51	40.0	33.3	49.9

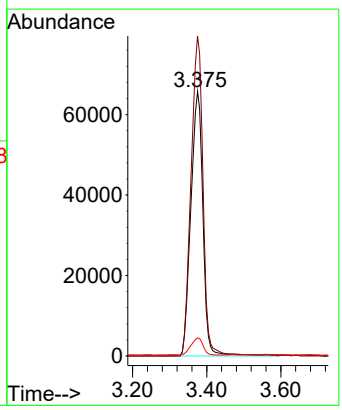


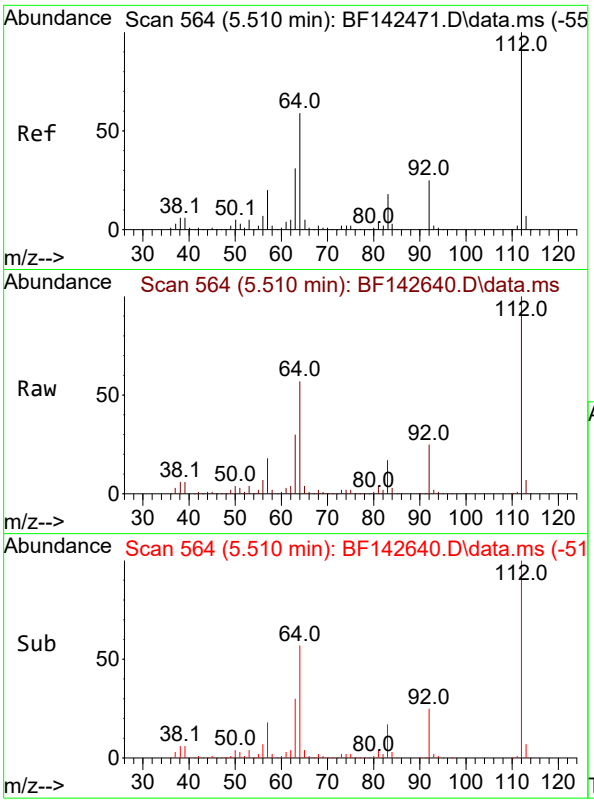


#4
n-Nitrosodimethylamine
Concen: 37.460 ng
RT: 3.375 min Scan# 201
Delta R.T. -0.029 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 42 Resp: 148916

Ion	Ratio	Lower	Upper
42	100		
74	120.9	88.2	132.4
44	6.8	5.4	8.2



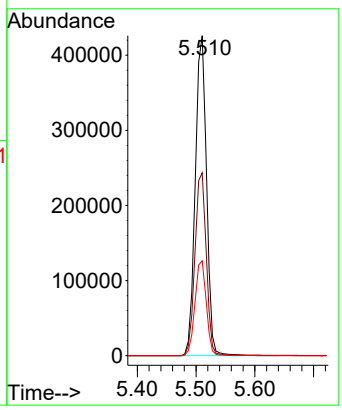


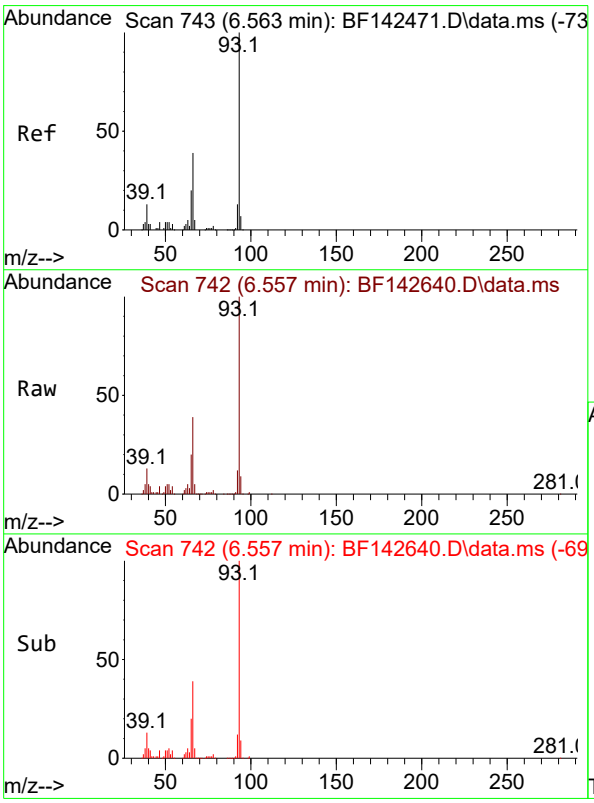
#5
2-Fluorophenol
Concen: 75.548 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 567619

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.5	71.3
63	29.7	24.9	37.3

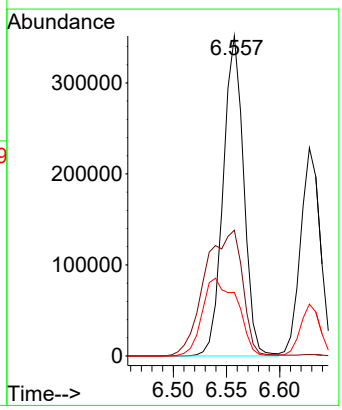


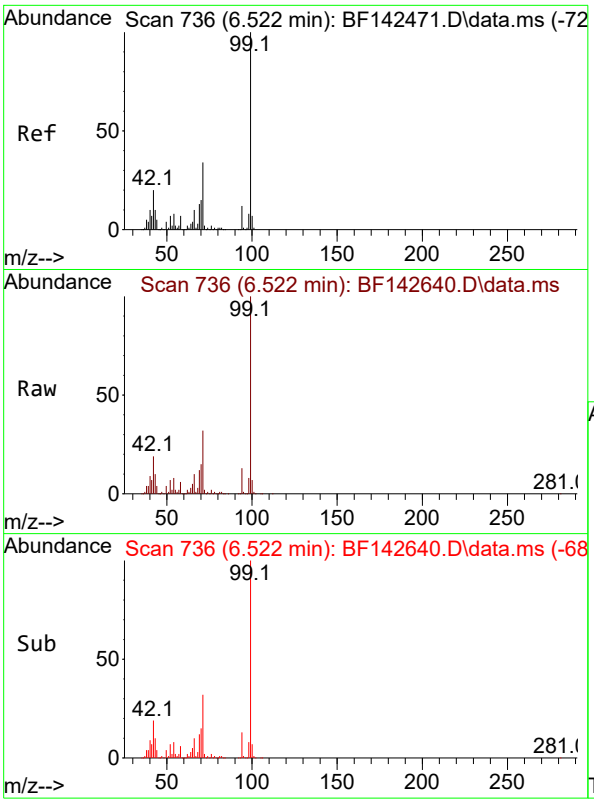


#6
Aniline
Concen: 38.667 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 93 Resp: 470226

Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.0	48.0
65	19.9	16.1	24.1



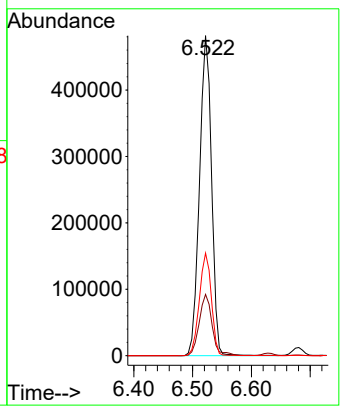


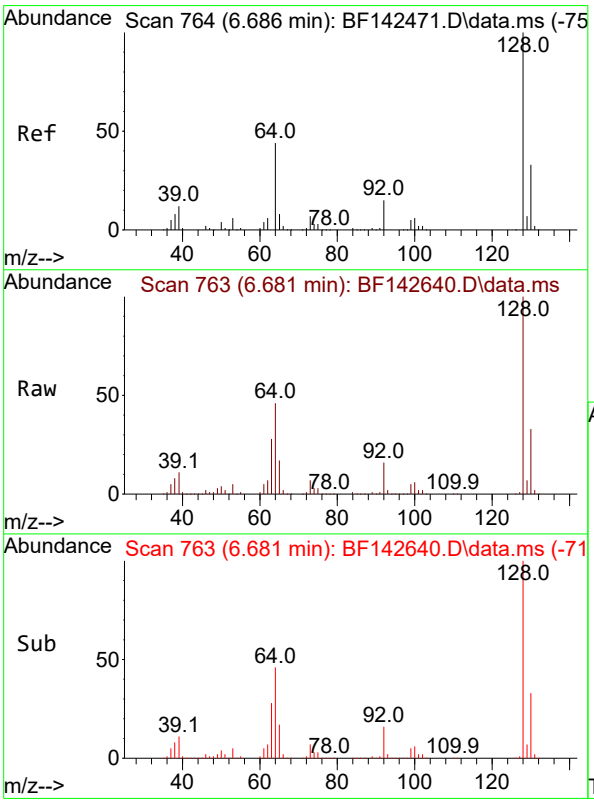
#7
Phenol-d6
Concen: 75.909 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 686543

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	32.1	27.3	40.9

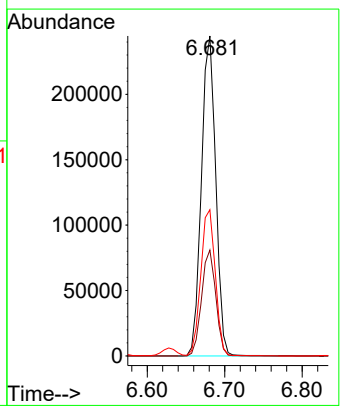


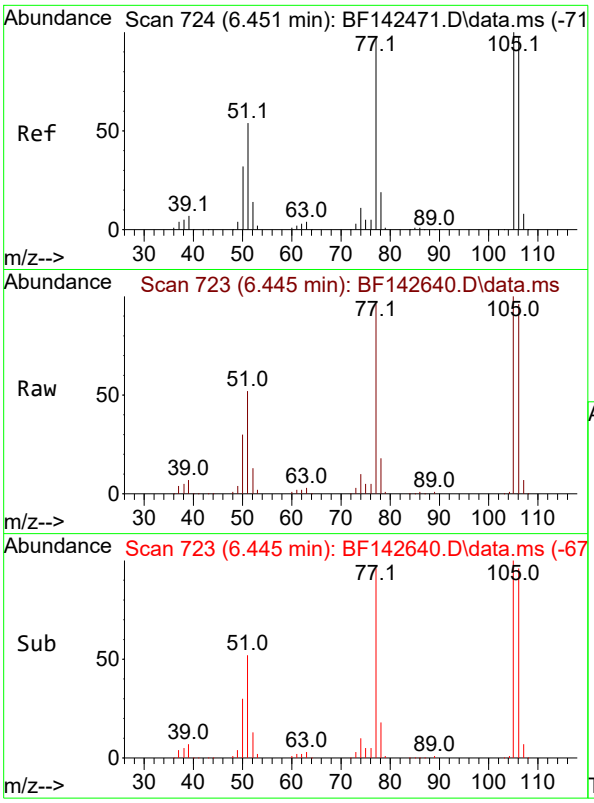


#8
2-Chlorophenol
Concen: 38.405 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:128 Resp: 314296

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	45.7	25.1	65.1



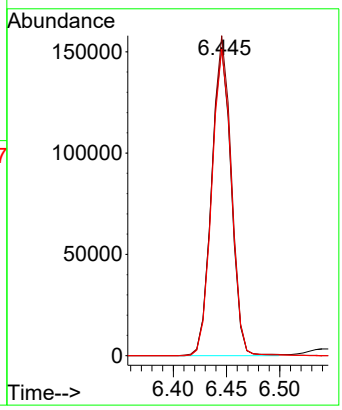


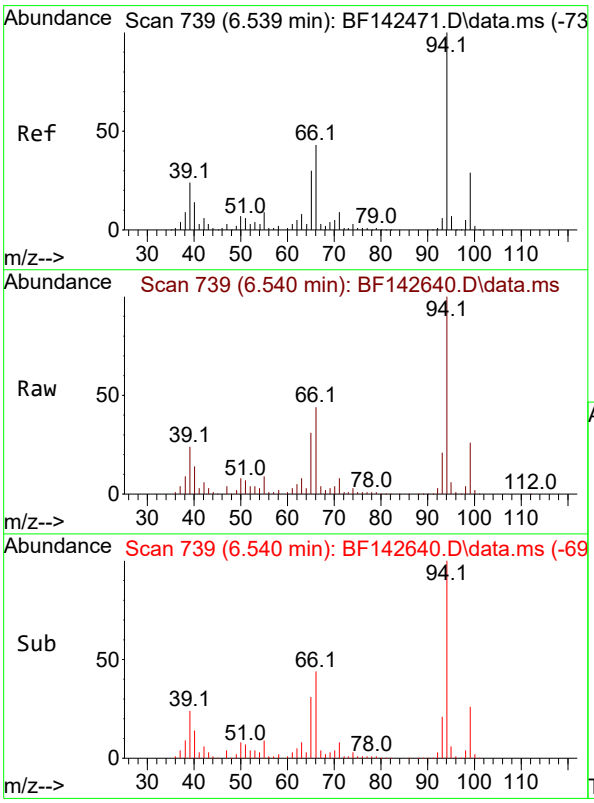
#9
Benzaldehyde
Concen: 35.659 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 193977

Ion	Ratio	Lower	Upper
77	100		
105	103.8	82.5	122.5
106	99.5	80.0	120.0

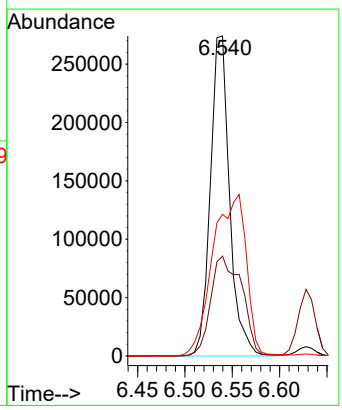


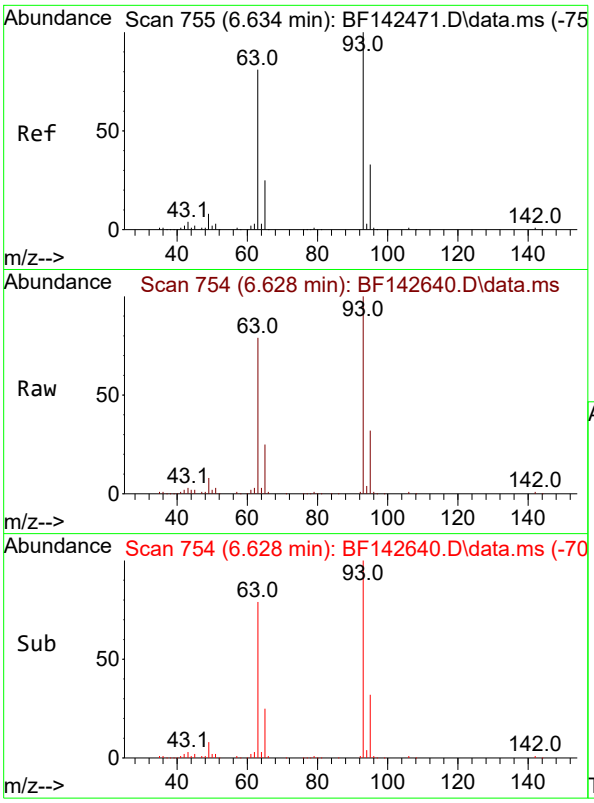


#10
Phenol
Concen: 38.090 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 94 Resp: 387636

Ion	Ratio	Lower	Upper
94	100		
65	31.2	10.3	50.3
66	44.2	22.6	62.6



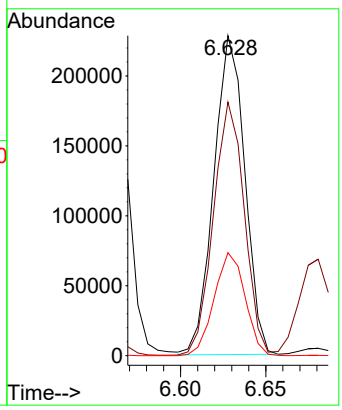


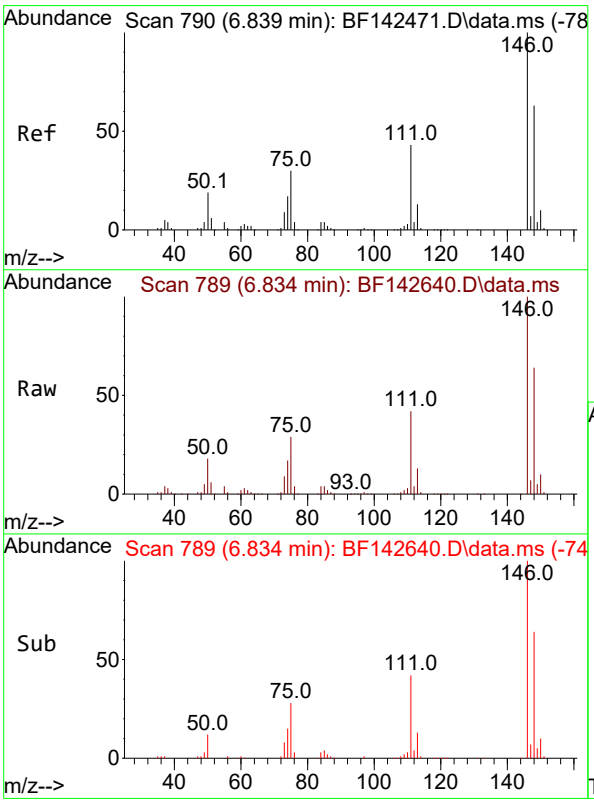
#11
bis(2-Chloroethyl)ether
Concen: 39.339 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 288182

Ion	Ratio	Lower	Upper
93	100		
63	79.3	60.2	100.2
95	32.2	12.3	52.3

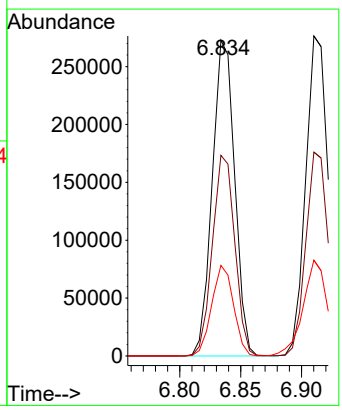


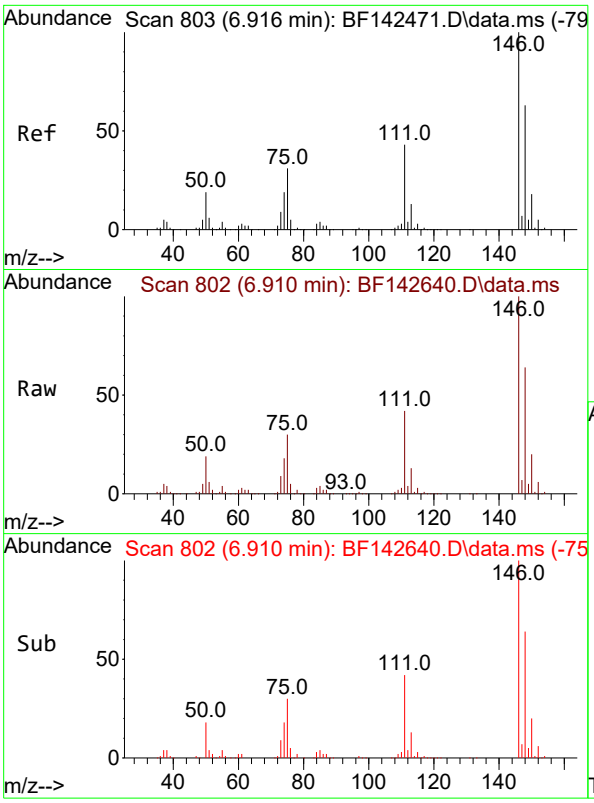


#12
1,3-Dichlorobenzene
Concen: 38.357 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:146 Resp: 350266

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
75	28.7	23.8	35.6



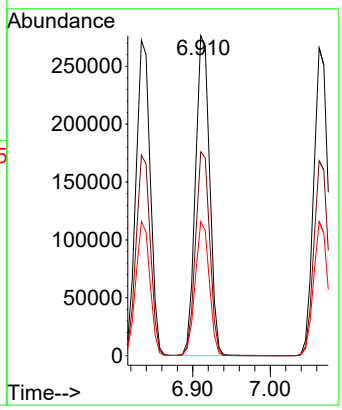


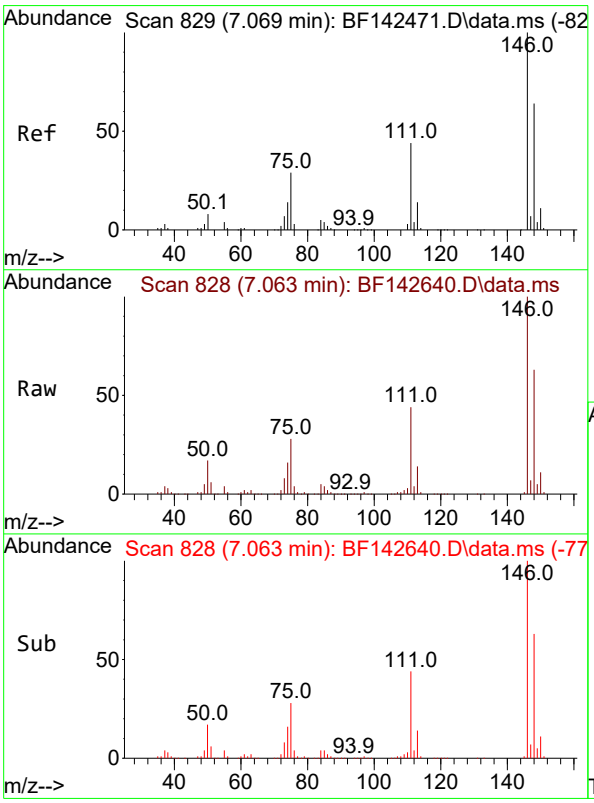
#13
1,4-Dichlorobenzene
Concen: 38.288 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 352194

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.4	75.6
111	41.8	34.1	51.1

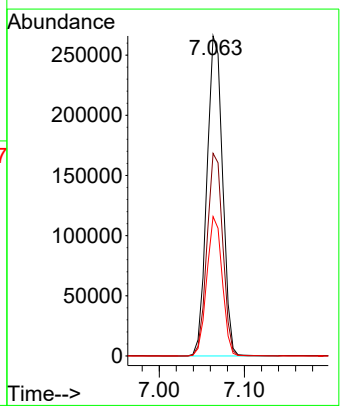


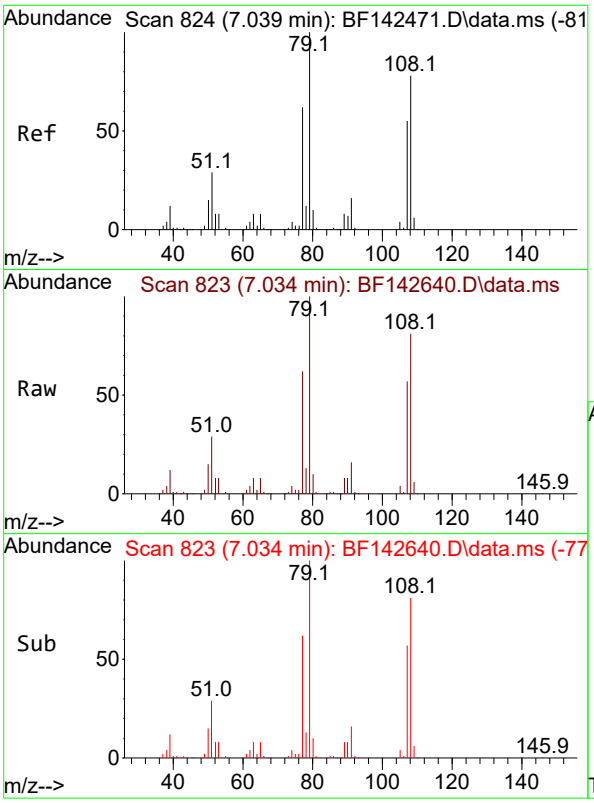


#14
1,2-Dichlorobenzene
Concen: 38.616 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:146 Resp: 339891

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
111	43.5	35.0	52.6



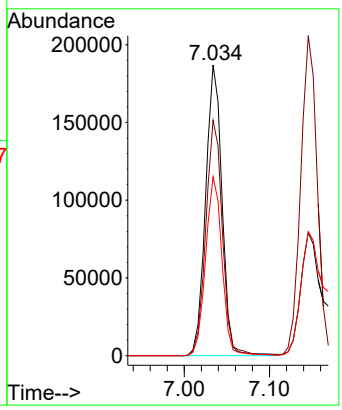


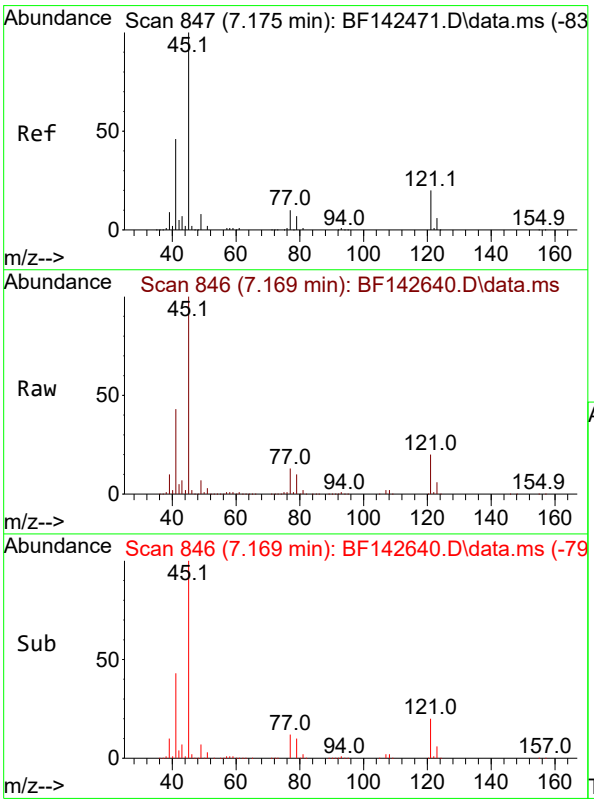
#15
Benzyl Alcohol
Concen: 37.307 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 249352

Ion	Ratio	Lower	Upper
79	100		
108	80.9	62.1	93.1
77	61.5	49.5	74.3

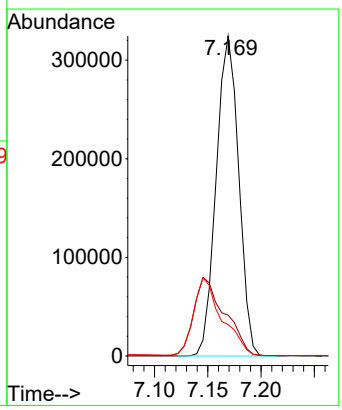


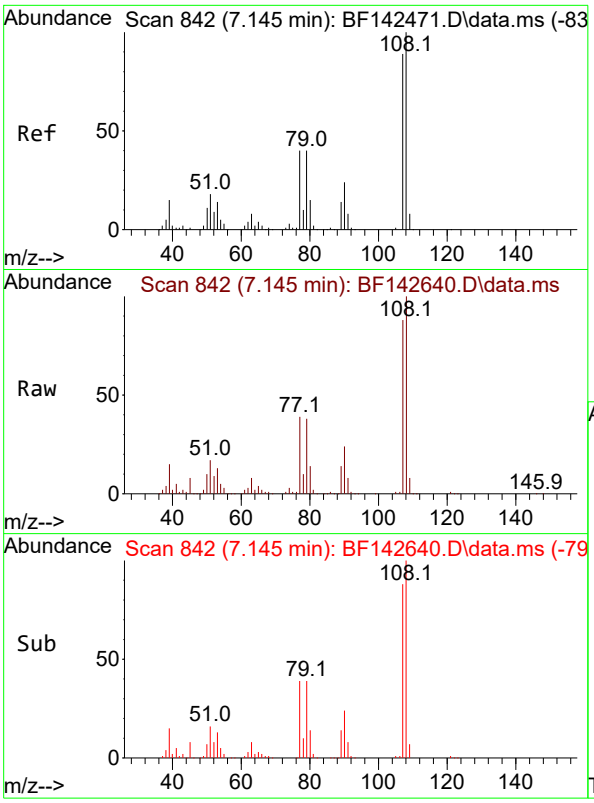


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.691 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 45 Resp: 475990

Ion	Ratio	Lower	Upper
45	100		
77	12.8	0.0	32.0
79	9.8	0.0	29.2



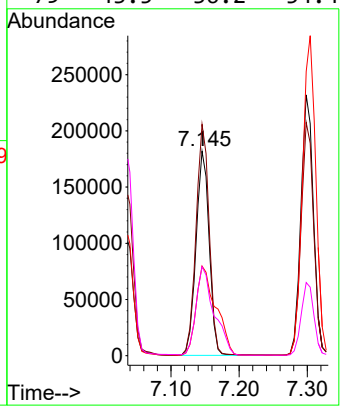


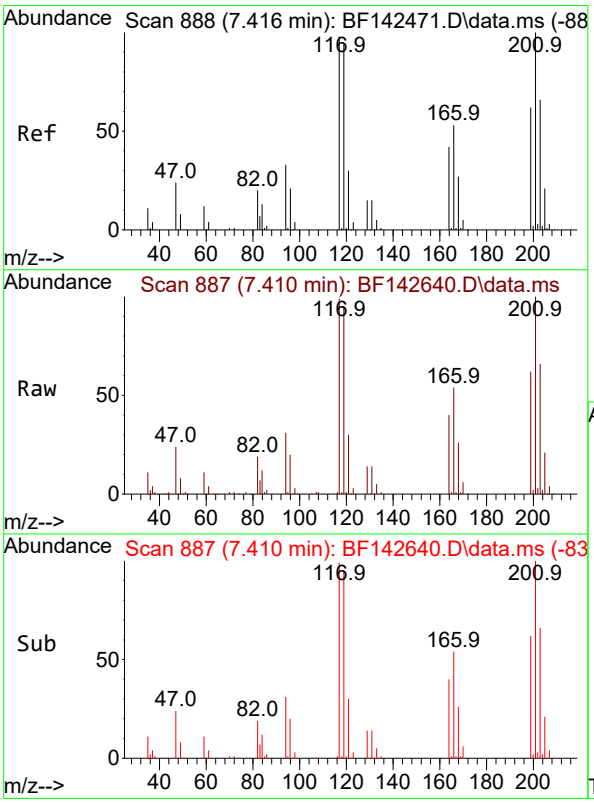
#17
2-Methylphenol
Concen: 38.210 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 244140

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.2	135.2
77	43.8	36.1	54.1
79	43.5	36.2	54.4

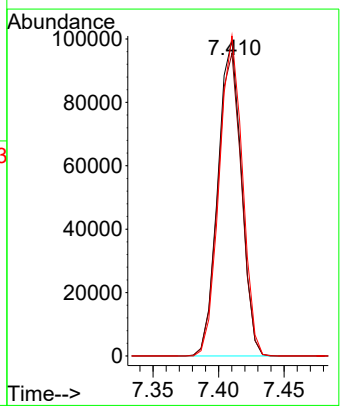


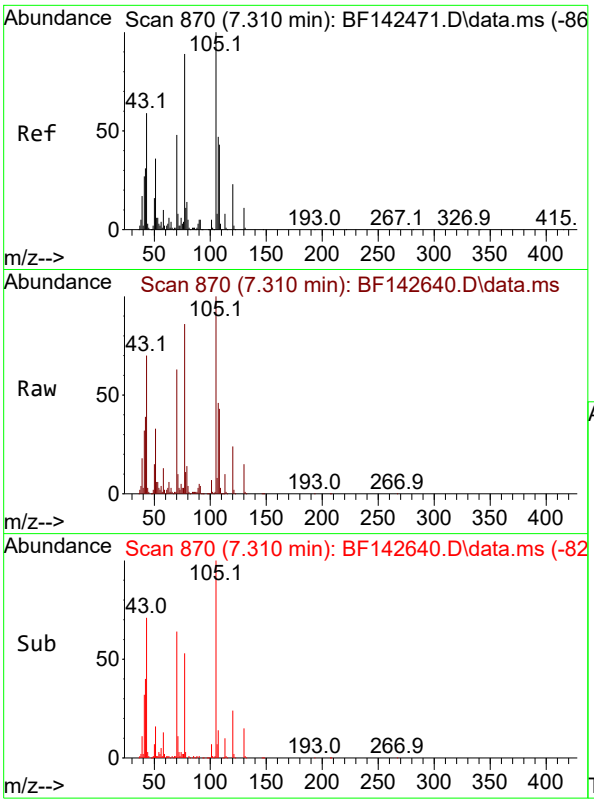


#18
Hexachloroethane
Concen: 38.540 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:117 Resp: 123790

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.6	114.8
201	101.4	81.3	121.9



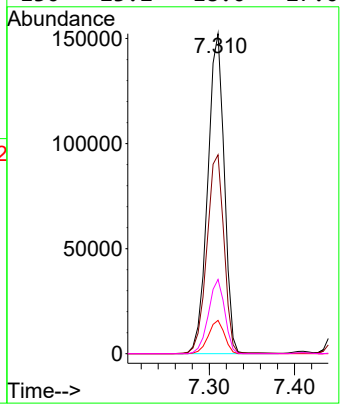


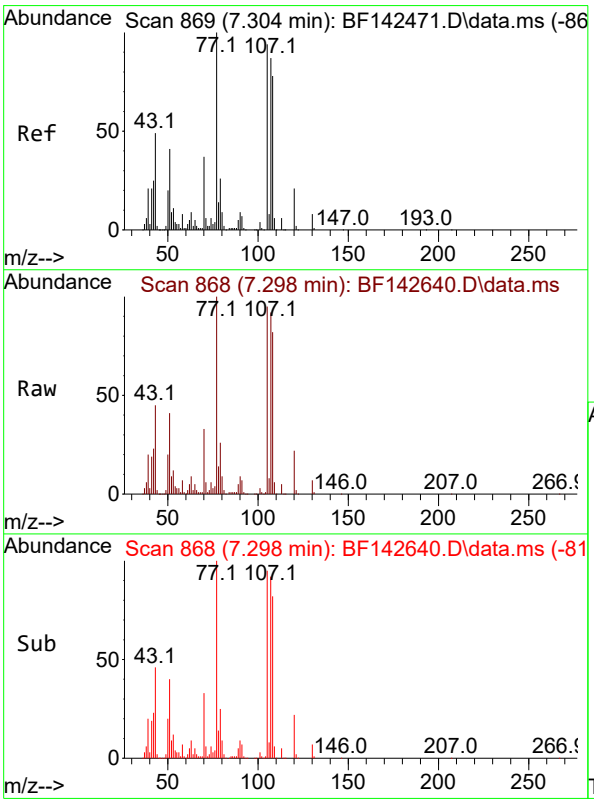
#19
n-Nitroso-di-n-propylamine
Concen: 36.676 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 205576

Ion	Ratio	Lower	Upper
70	100		
42	62.1	52.4	78.6
101	10.4	7.8	11.8
130	23.2	18.0	27.0

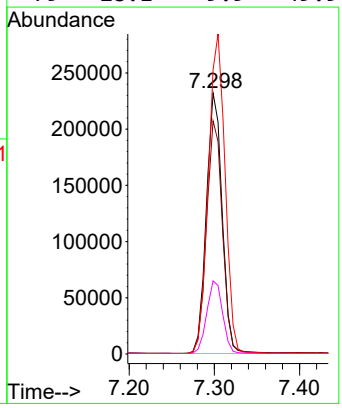


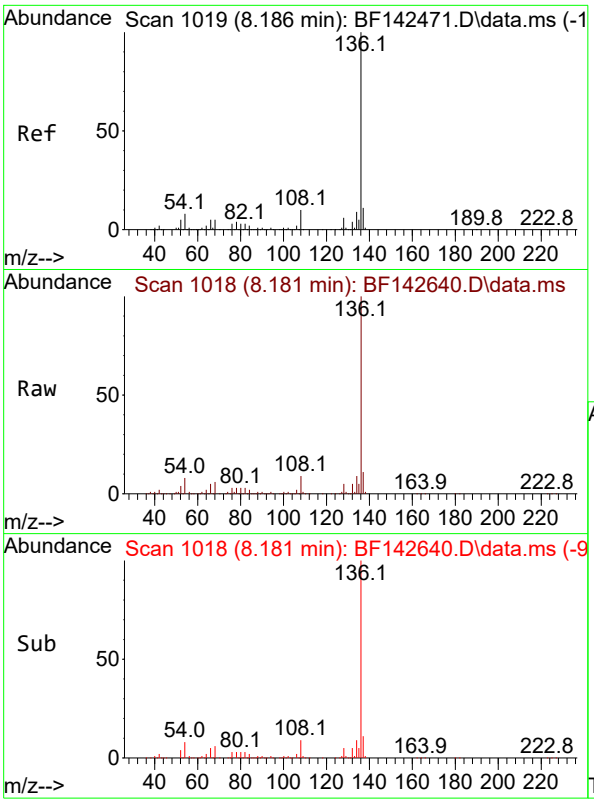


#20
3+4-Methylphenols
Concen: 36.433 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:107 Resp: 298098

Ion	Ratio	Lower	Upper
107	100		
108	89.4	70.4	110.4
77	108.9	95.4	135.4
79	28.1	9.9	49.9



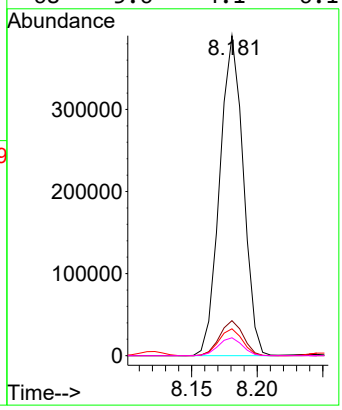


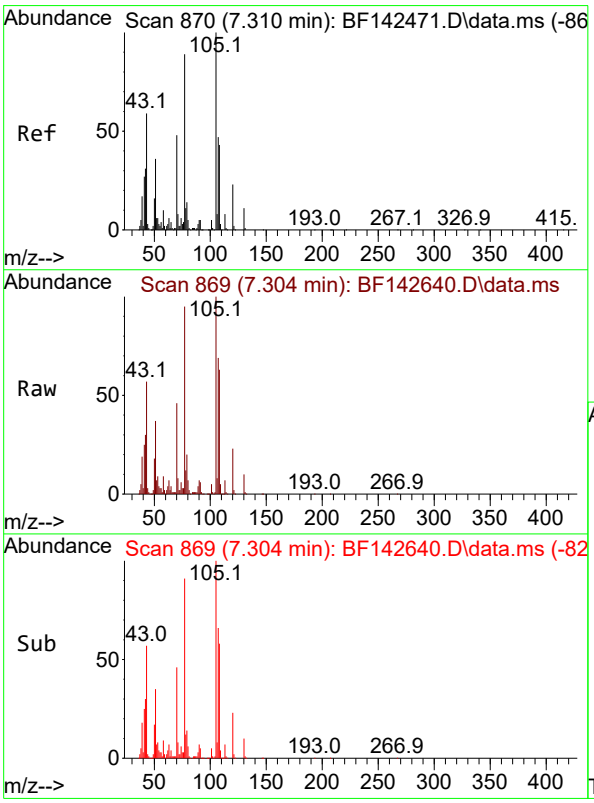
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 487381

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.6	4.1	6.1

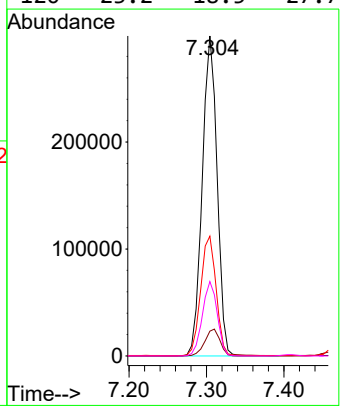


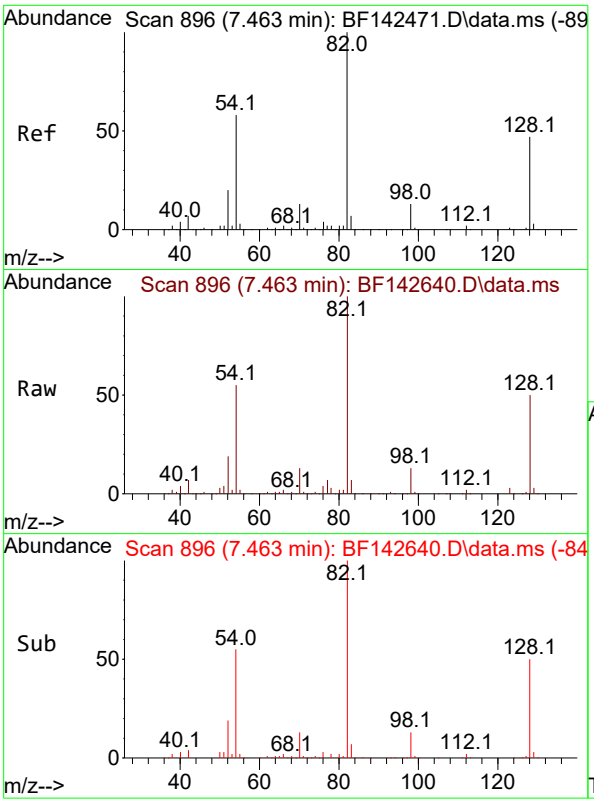


#22
Acetophenone
Concen: 37.007 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:105 Resp: 399268

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.4	9.6
51	37.5	28.6	42.8
120	23.2	18.5	27.7



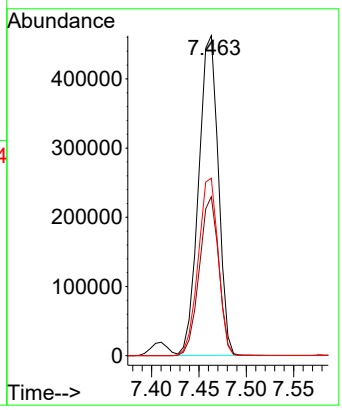


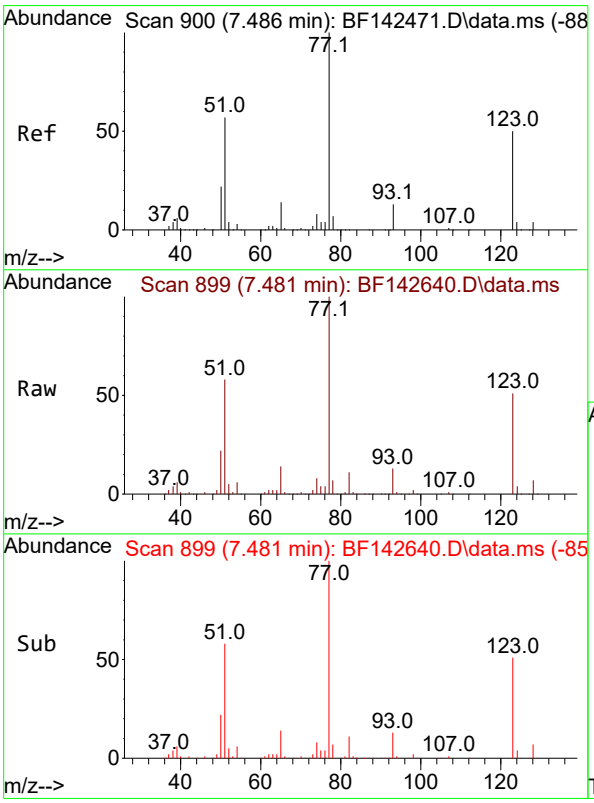
#23
Nitrobenzene-d5
Concen: 74.795 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 668519

Ion	Ratio	Lower	Upper
82	100		
128	49.7	37.4	56.2
54	55.4	46.6	70.0

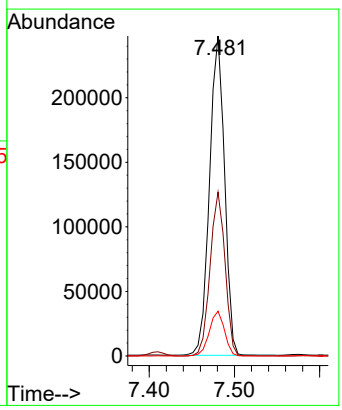


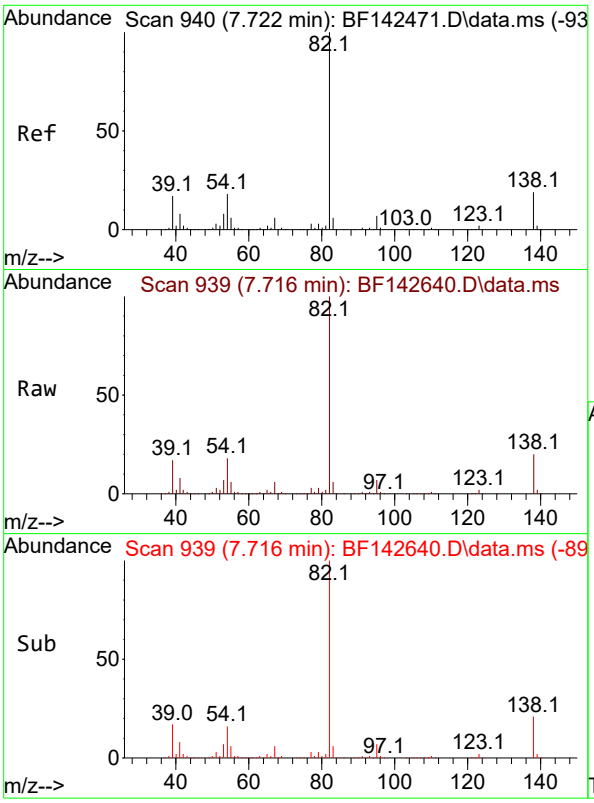


#24
Nitrobenzene
Concen: 37.627 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 77 Resp: 303326

Ion	Ratio	Lower	Upper
77	100		
123	51.2	40.6	61.0
65	14.0	11.4	17.2



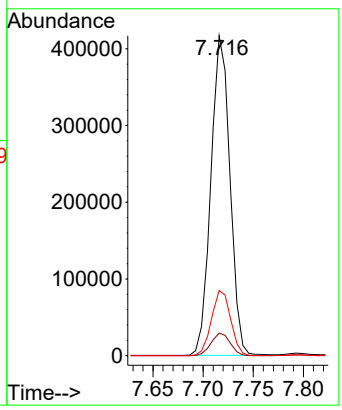


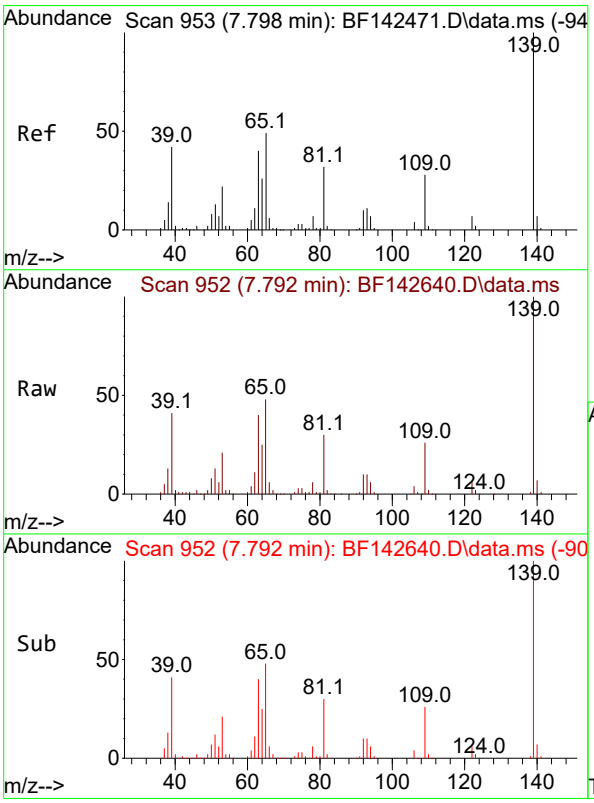
#25
Isophorone
Concen: 36.922 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 551760

Ion	Ratio	Lower	Upper
82	100		
95	7.1	6.0	9.0
138	20.4	15.5	23.3

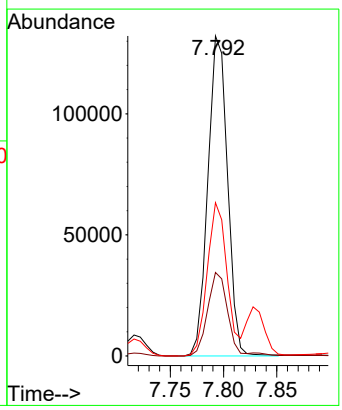


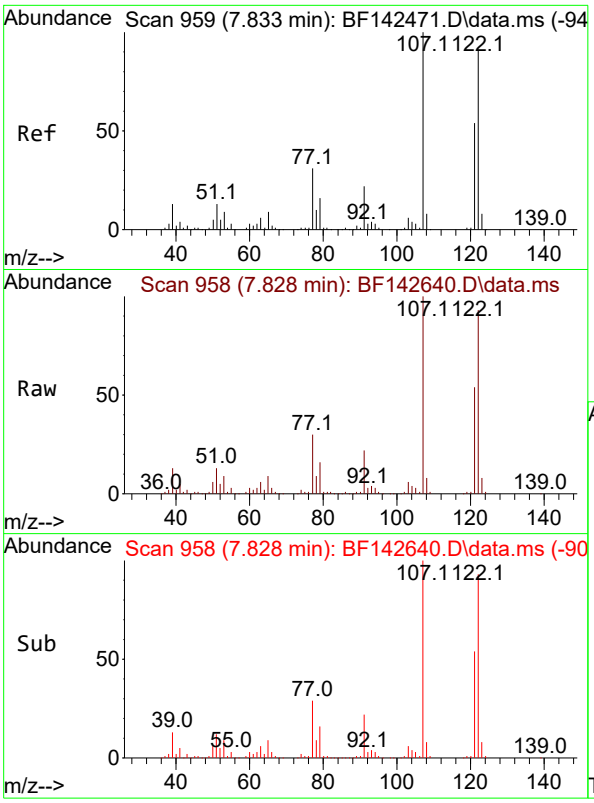


#26
2-Nitrophenol
Concen: 39.357 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:139 Resp: 169530

Ion	Ratio	Lower	Upper
139	100		
109	26.1	22.6	33.8
65	47.9	39.4	59.0



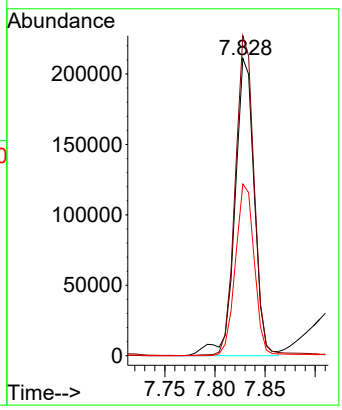


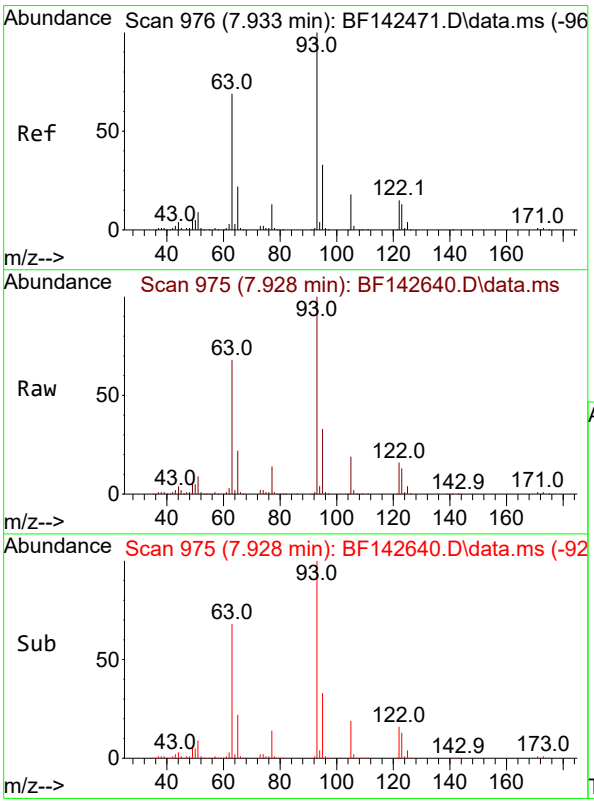
#27
2,4-Dimethylphenol
Concen: 37.468 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 284612

Ion	Ratio	Lower	Upper
122	100		
107	107.6	88.1	132.1
121	57.8	47.3	70.9

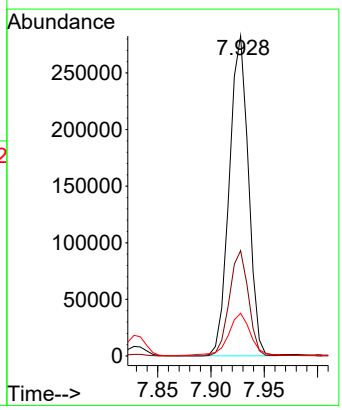


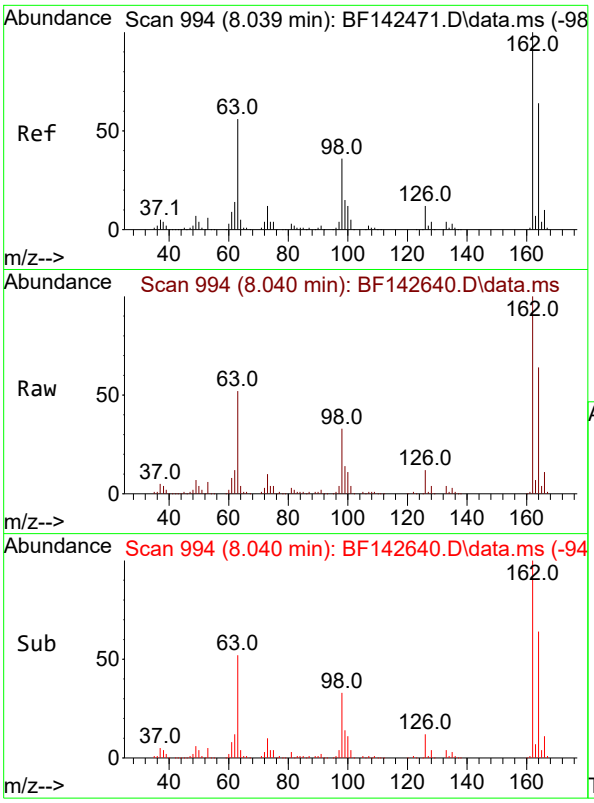


#28
bis(2-Chloroethoxy)methane
Concen: 37.724 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 93 Resp: 352159

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	13.3	10.6	15.8



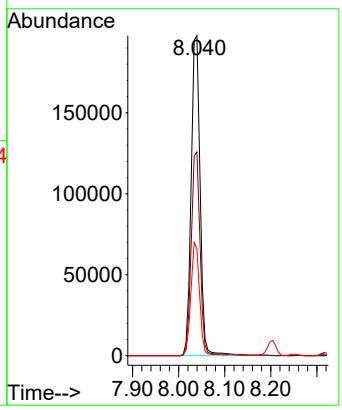


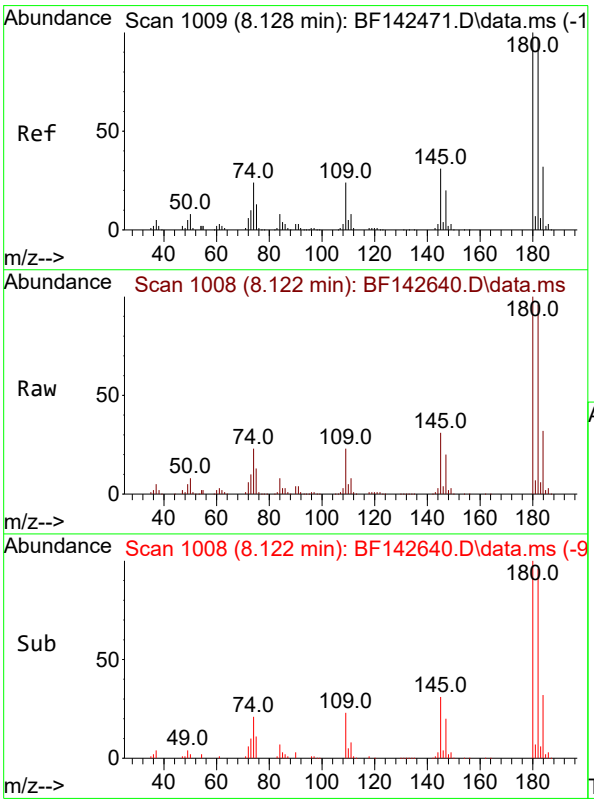
#29
2,4-Dichlorophenol
Concen: 38.569 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 266441

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.7	83.7
98	33.4	15.5	55.5

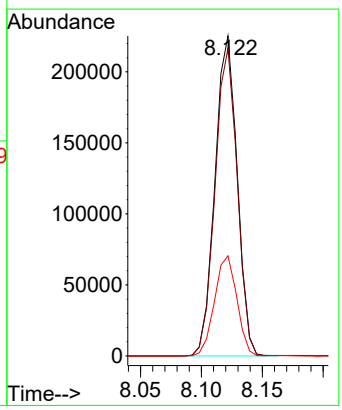


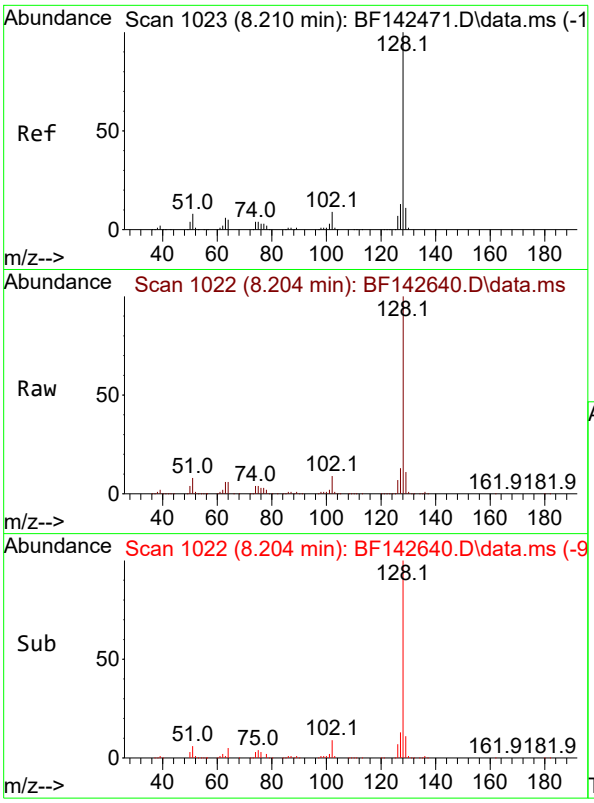


#30
1,2,4-Trichlorobenzene
Concen: 38.158 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:180 Resp: 286082

Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.0	117.0
145	31.3	25.0	37.6



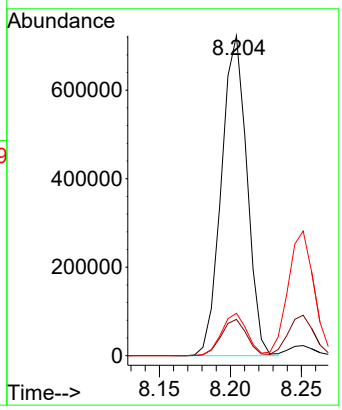


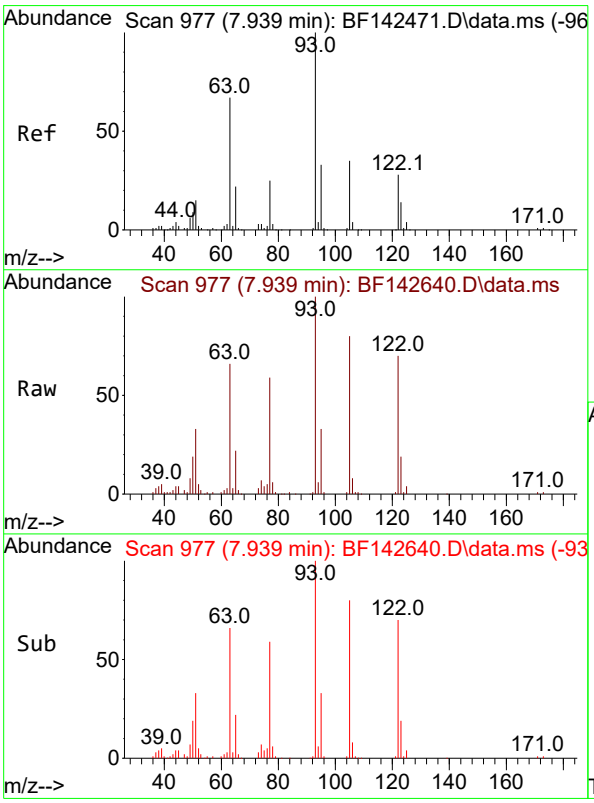
#31
Naphthalene
Concen: 37.620 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 902829

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.2	10.5	15.7

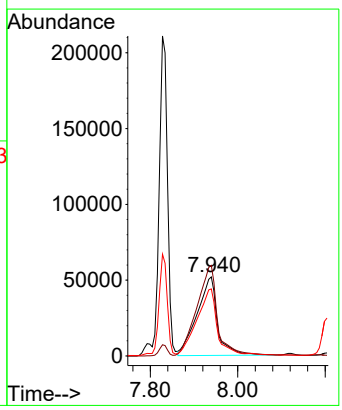


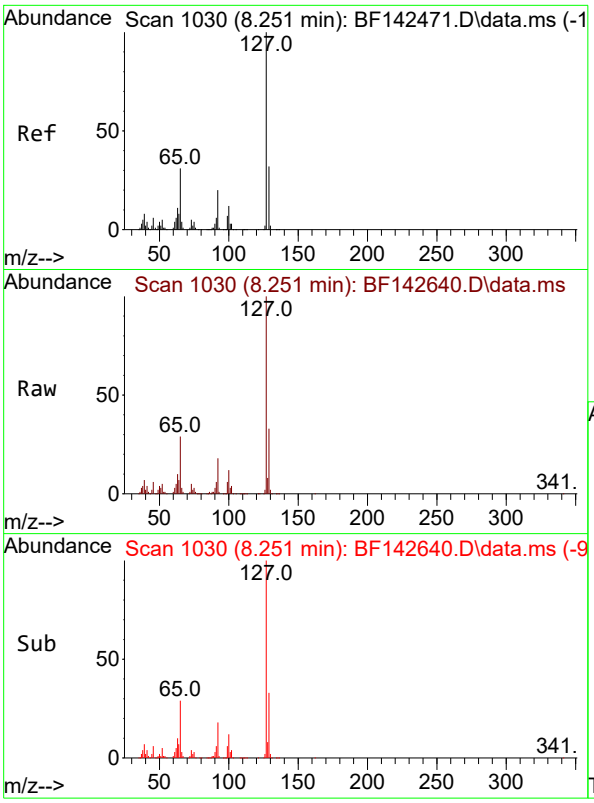


#32
Benzoic acid
Concen: 36.597 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.035 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:122 Resp: 169223

Ion	Ratio	Lower	Upper
122	100		
105	114.7	101.7	141.7
77	84.9	69.5	109.5



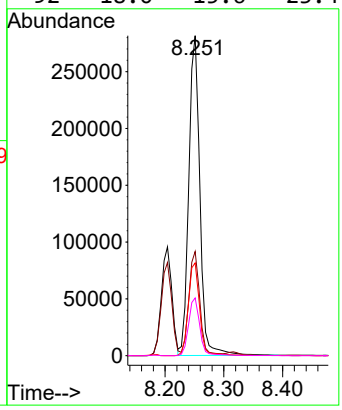


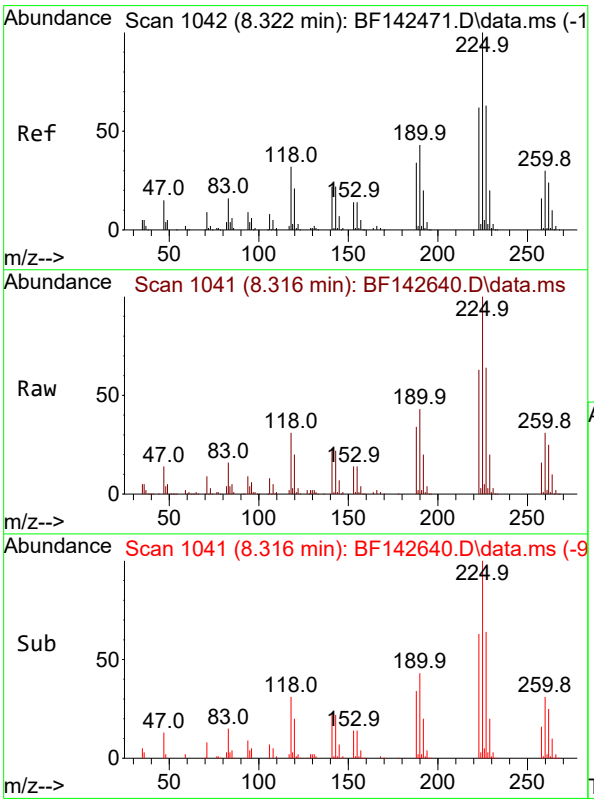
#33
4-Chloroaniline
Concen: 38.176 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 371240

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	29.0	24.9	37.3
92	18.0	15.6	23.4

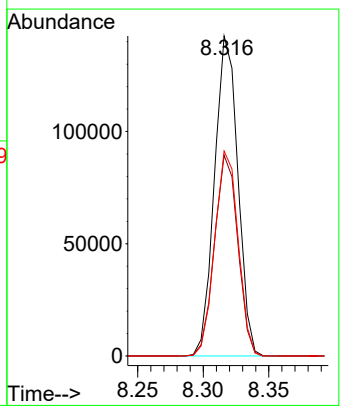


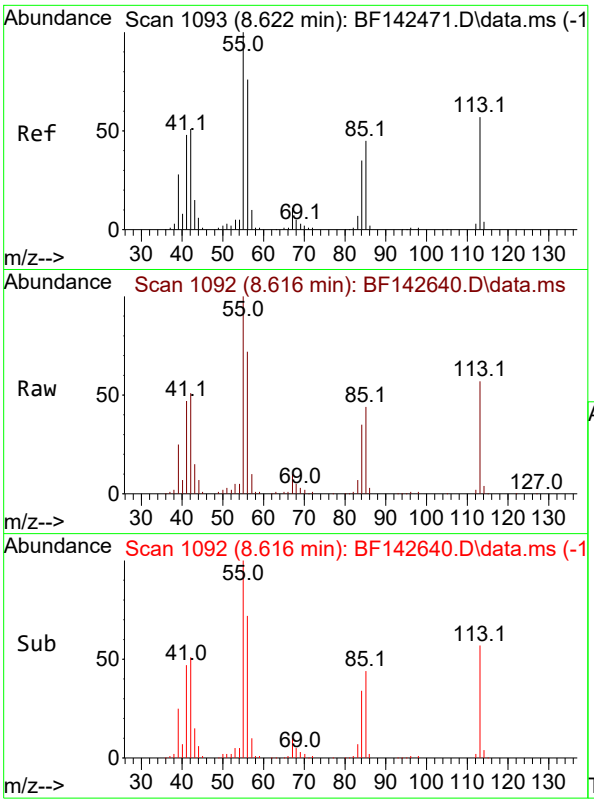


#34
Hexachlorobutadiene
Concen: 37.659 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:225 Resp: 176293

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.7	74.5
227	64.1	50.3	75.5



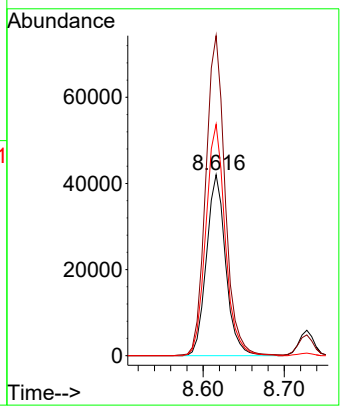


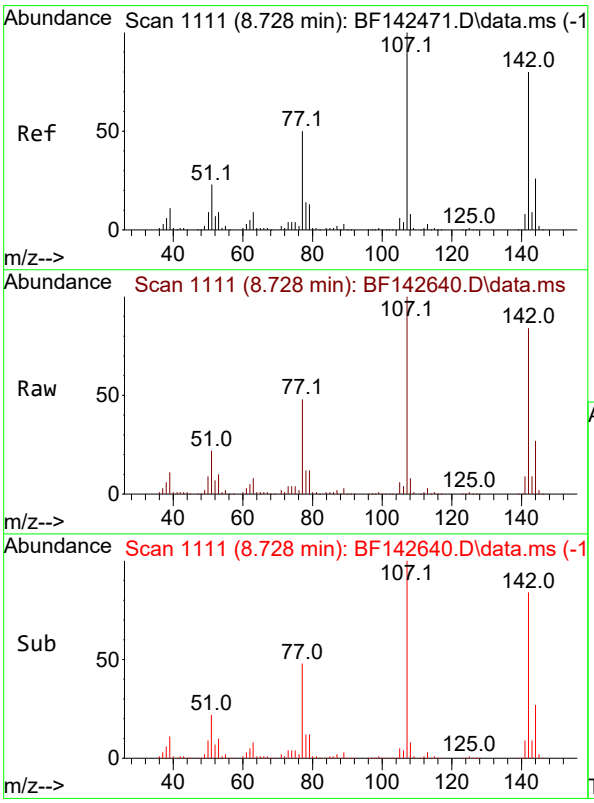
#35
Caprolactam
Concen: 35.597 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 69065

Ion	Ratio	Lower	Upper
113	100		
55	176.9	154.7	194.7
56	127.9	113.2	153.2

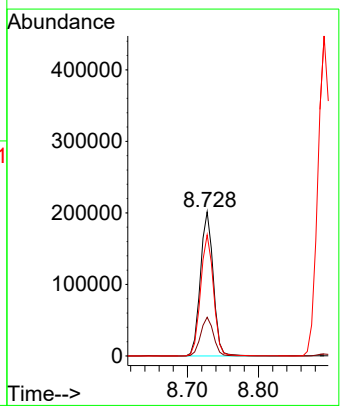


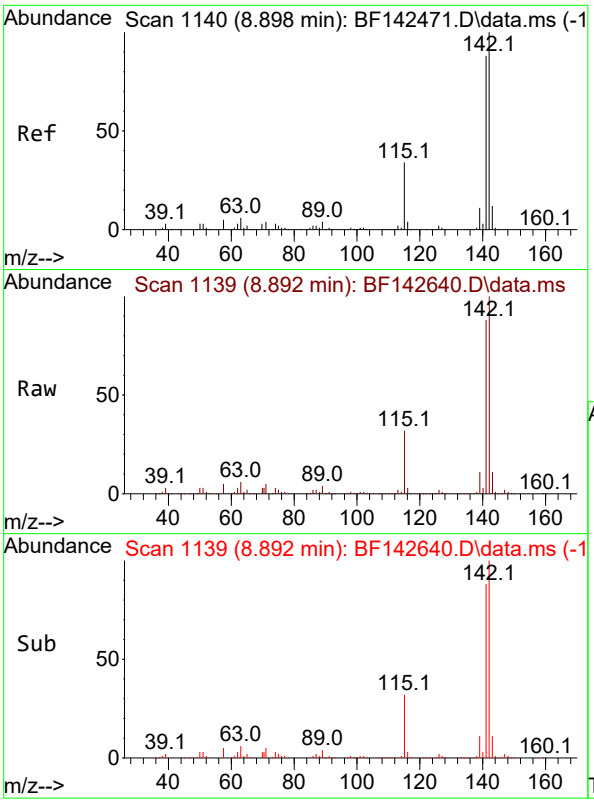


#36
4-Chloro-3-methylphenol
Concen: 36.092 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:107 Resp: 255521

Ion	Ratio	Lower	Upper
107	100		
144	26.9	20.9	31.3
142	84.1	64.2	96.2



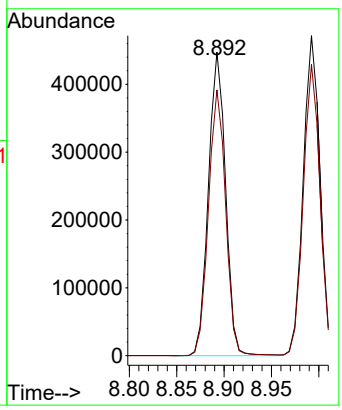


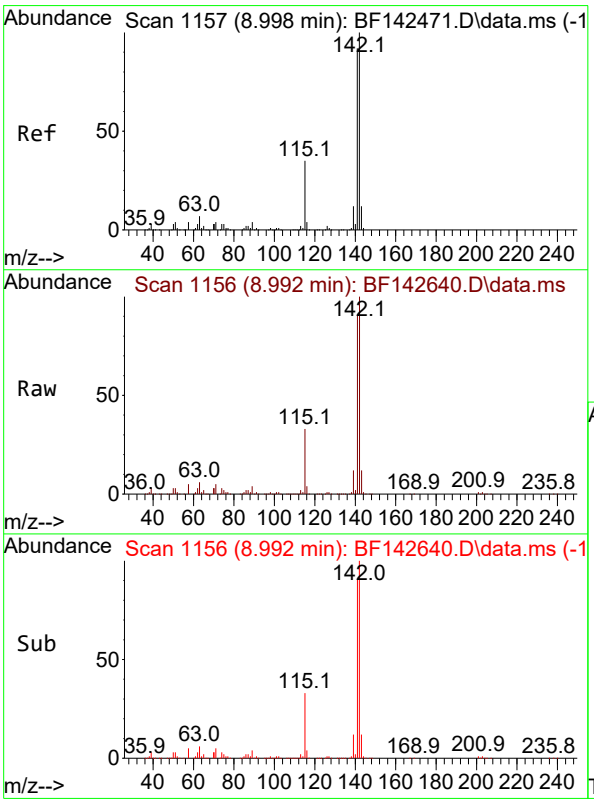
#37
2-Methylnaphthalene
Concen: 37.247 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 562355

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.7	106.1

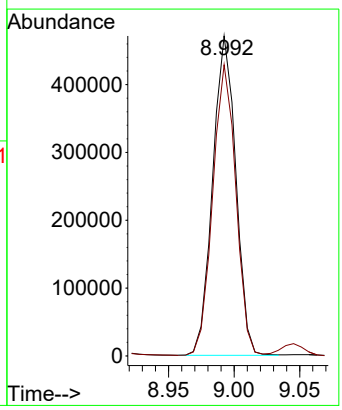


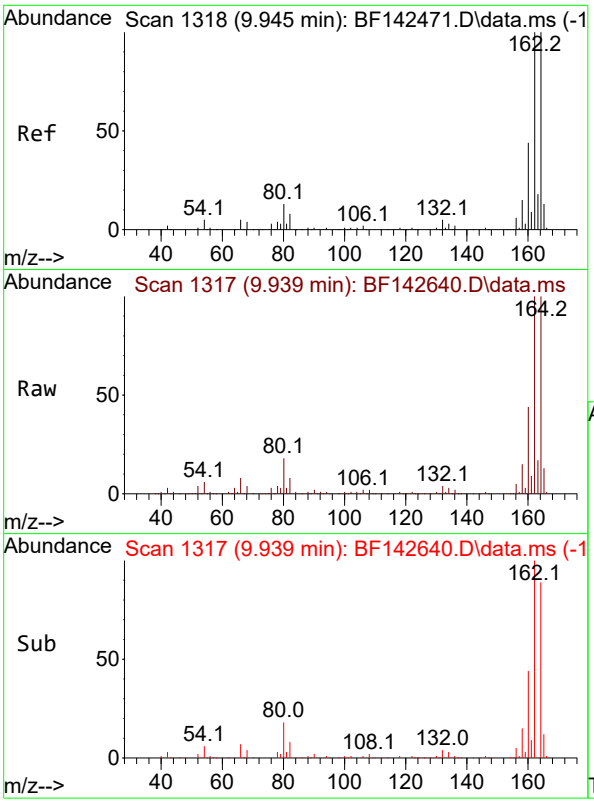


#38
1-Methylnaphthalene
Concen: 36.911 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:142 Resp: 576438

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.4	110.2



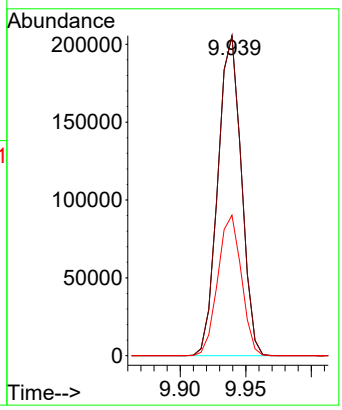


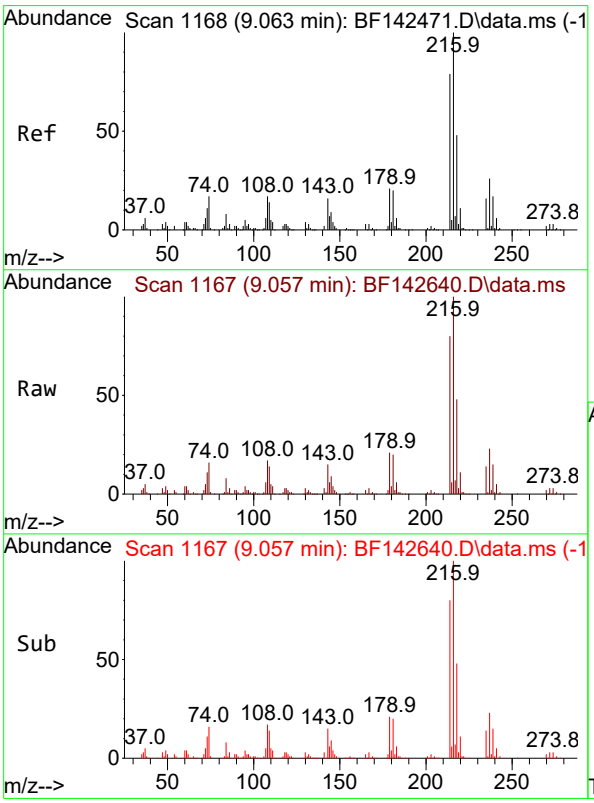
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 254808

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.2	120.4
160	43.9	35.6	53.4

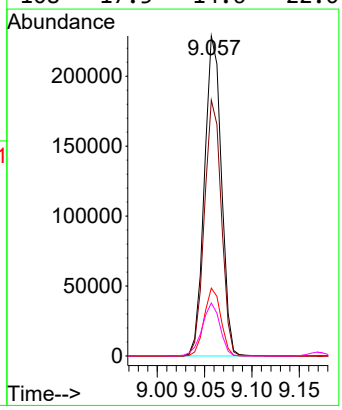


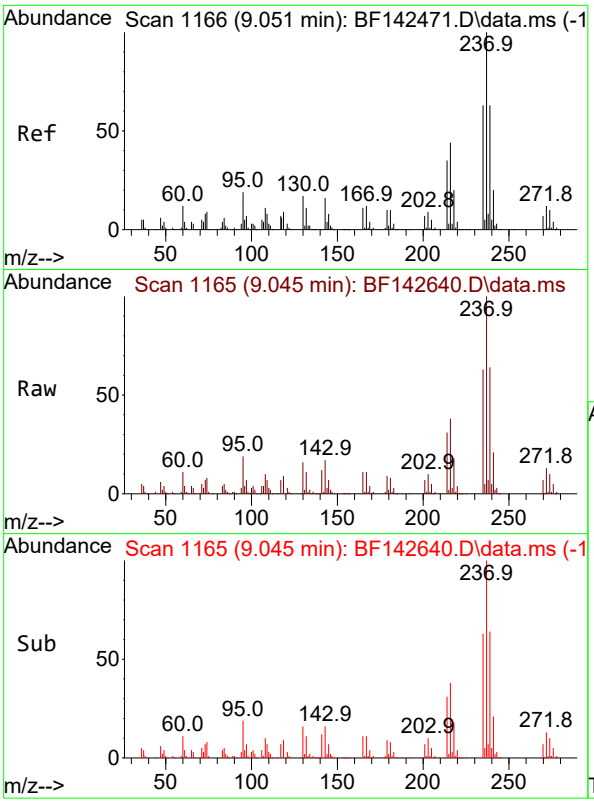


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.904 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:216 Resp: 284565

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.9	94.3
179	20.8	16.9	25.3
108	17.5	14.6	22.0



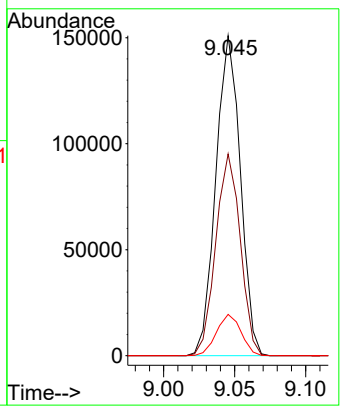


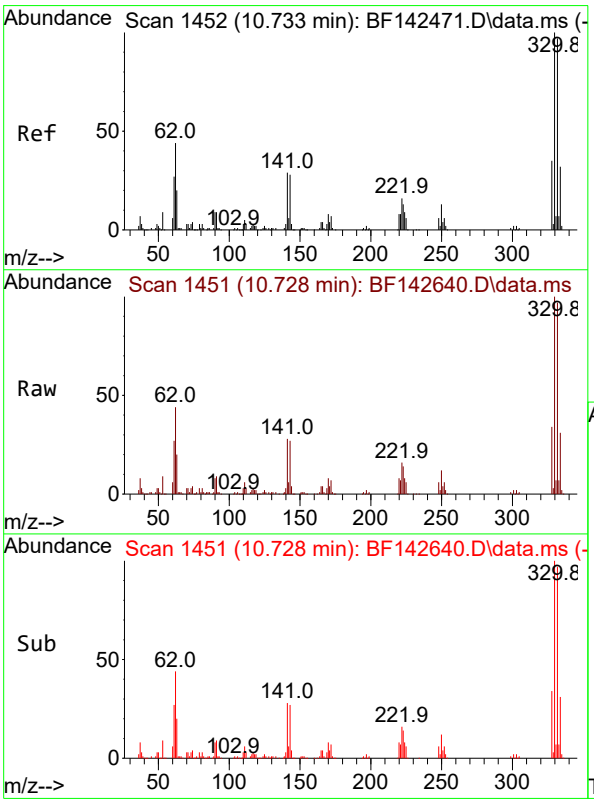
#41
Hexachlorocyclopentadiene
Concen: 36.693 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 181051

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.3	83.3
272	12.9	0.0	32.4

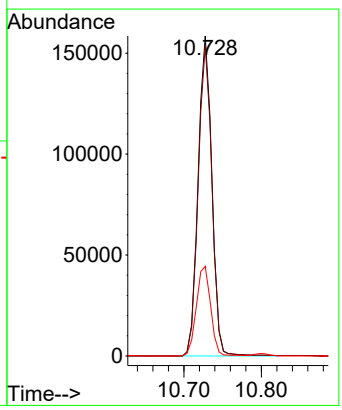


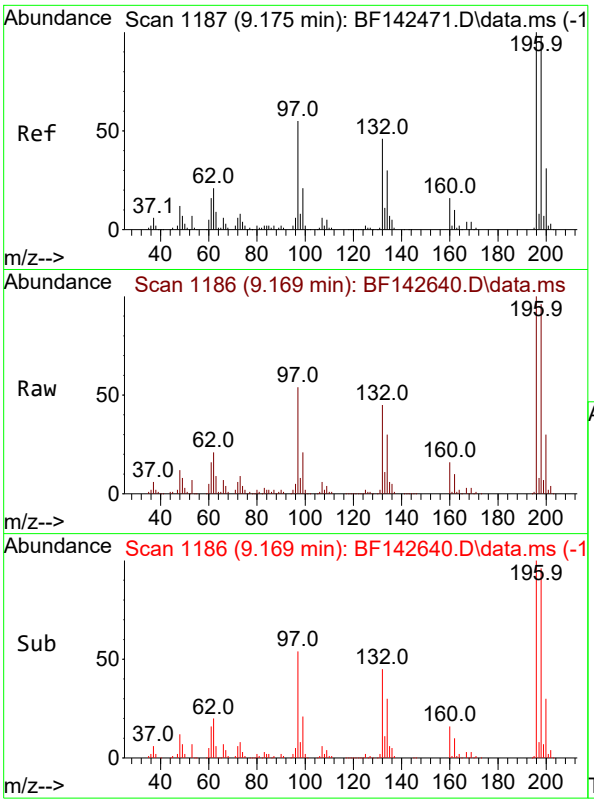


#42
2,4,6-Tribromophenol
Concen: 69.200 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:330 Resp: 195700

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	29.0	24.6	36.8



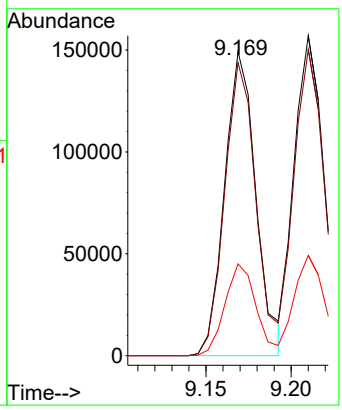


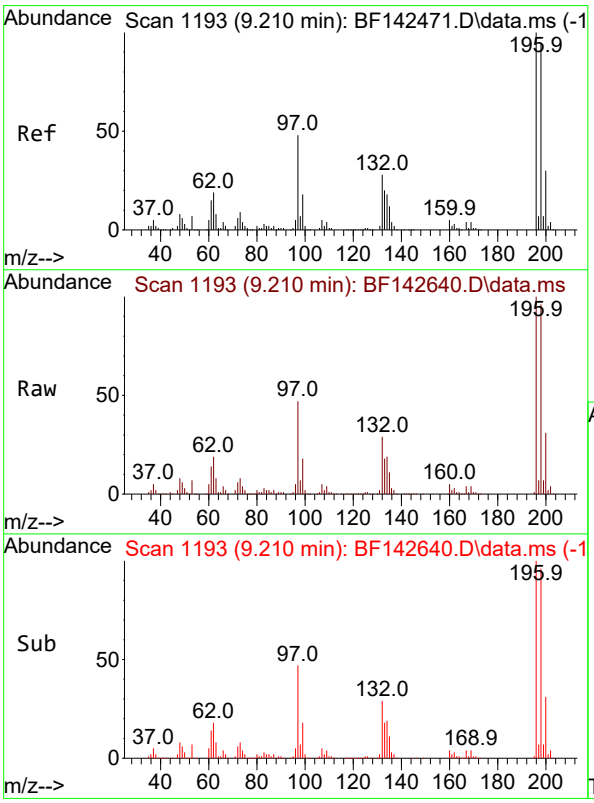
#43
2,4,6-Trichlorophenol
Concen: 38.731 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 191031

Ion	Ratio	Lower	Upper
196	100		
198	96.4	78.8	118.2
200	30.2	24.9	37.3

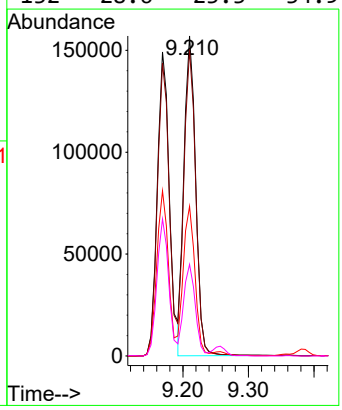


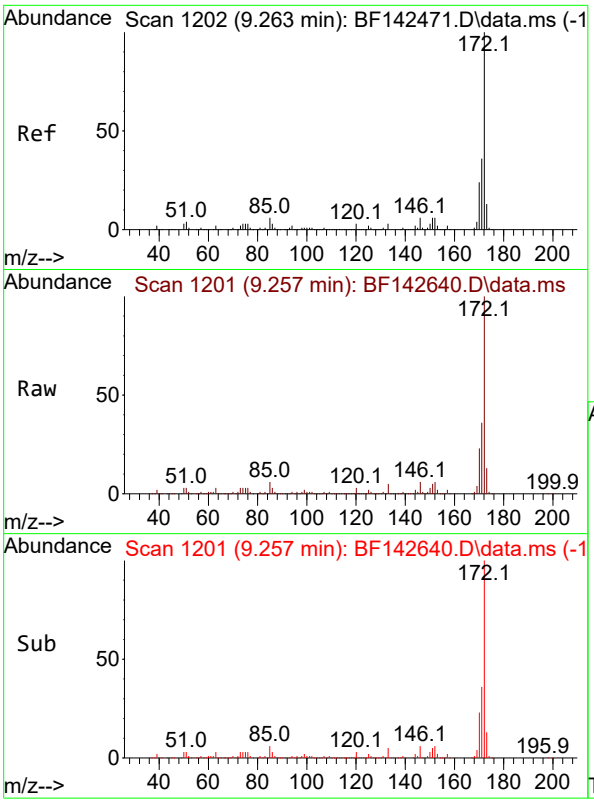


#44
2,4,5-Trichlorophenol
Concen: 37.340 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:196 Resp: 194235

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.5	113.3
97	46.7	39.3	58.9
132	28.6	23.3	34.9



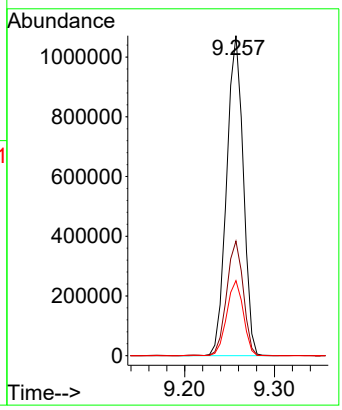


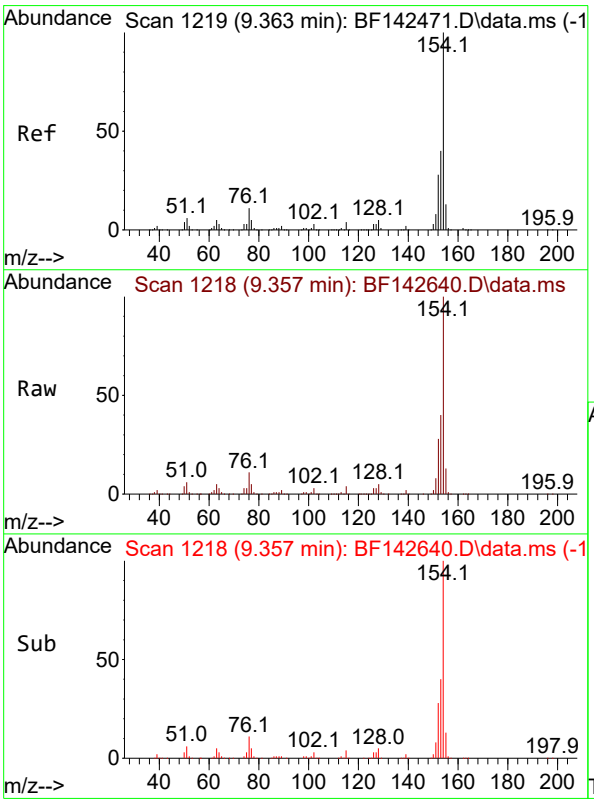
#45
2-Fluorobiphenyl
Concen: 72.639 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1379352

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.5	18.9	28.3

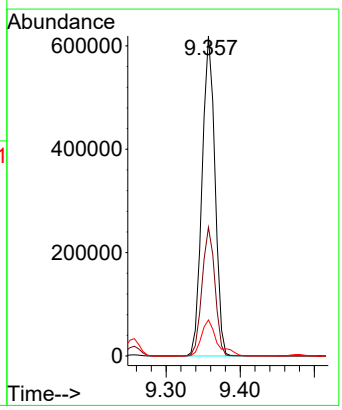


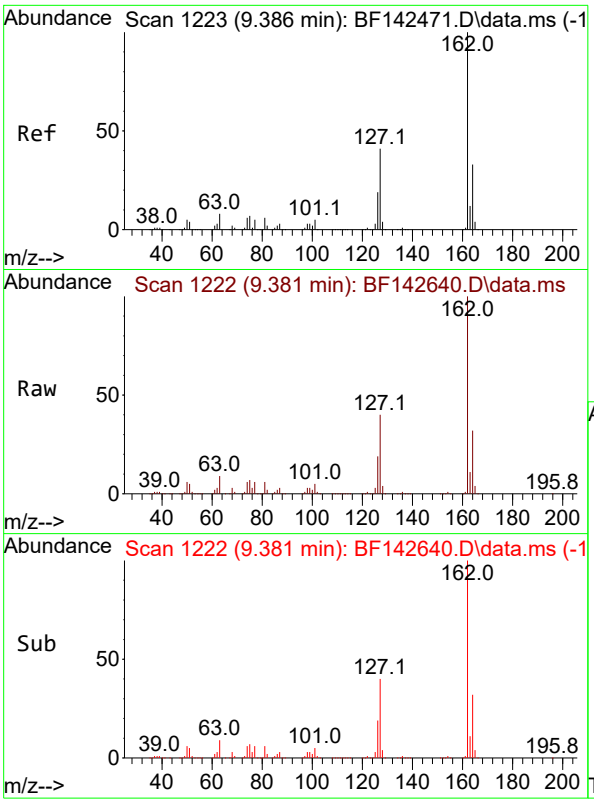


#46
1,1'-Biphenyl
Concen: 37.858 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:154 Resp: 748396

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	11.3	0.0	30.8



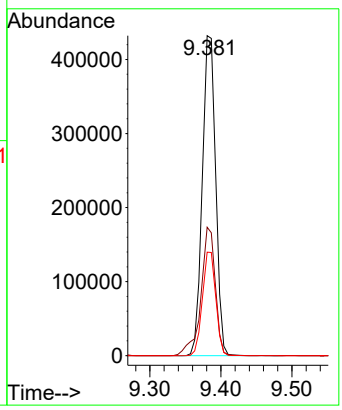


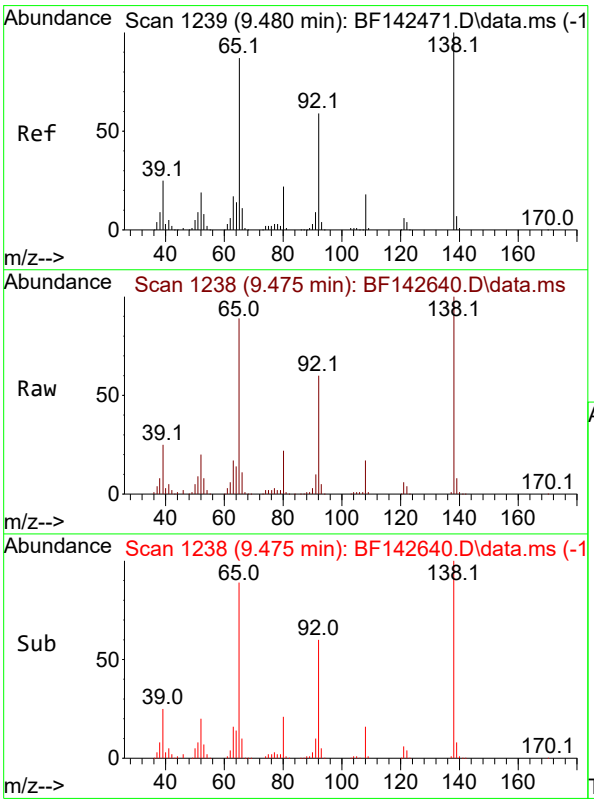
#47
2-Chloronaphthalene
Concen: 38.809 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 566838

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.5	50.3
164	32.3	26.1	39.1

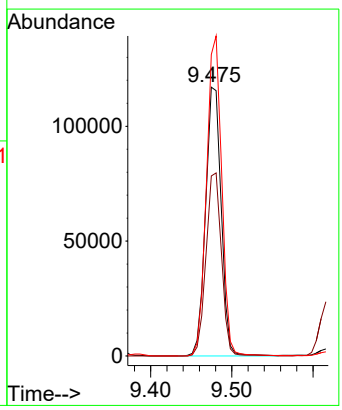


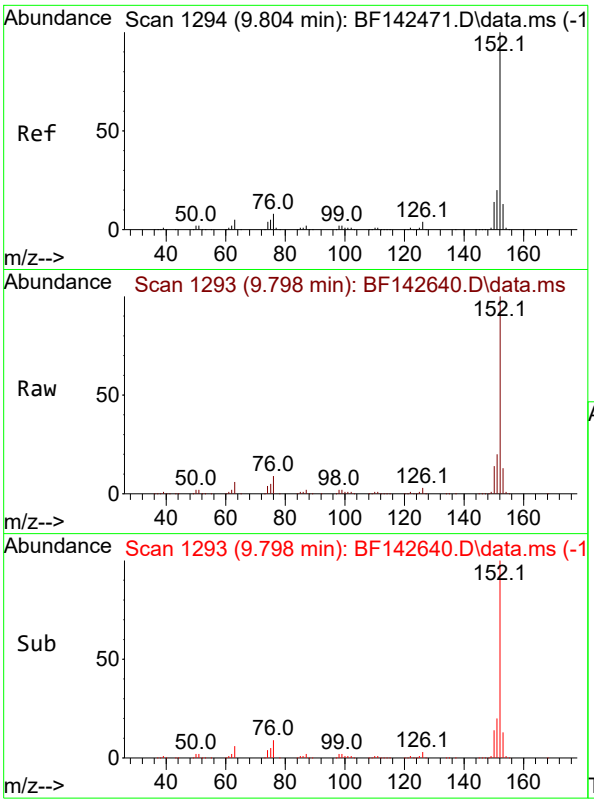


#48
2-Nitroaniline
Concen: 37.002 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion: 65 Resp: 156209

Ion	Ratio	Lower	Upper
65	100		
92	67.0	54.4	81.6
138	112.2	91.4	137.2



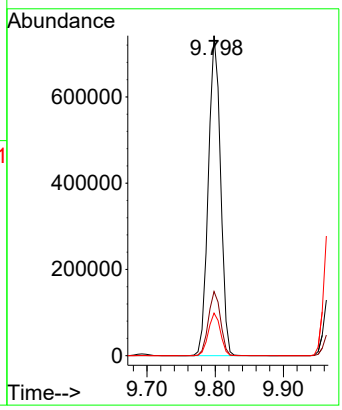


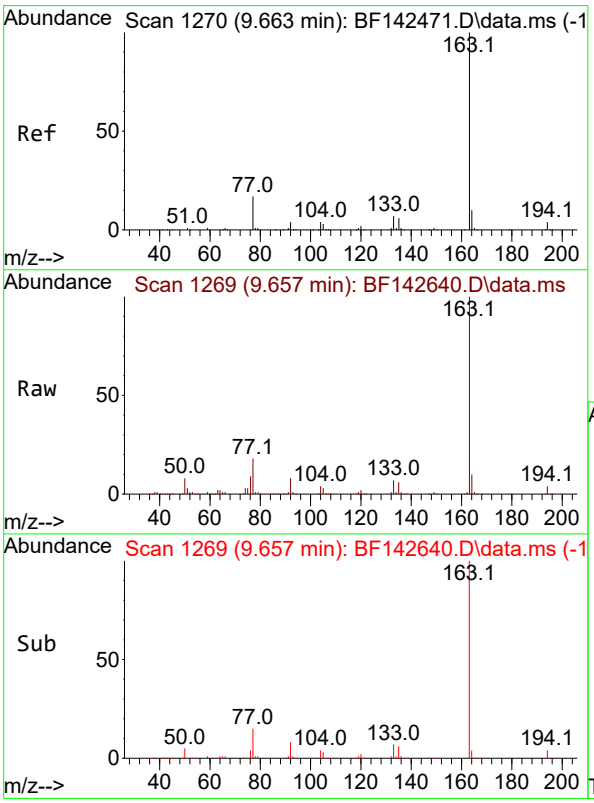
#49
Acenaphthylene
Concen: 37.446 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 923512

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.3	10.6	15.8

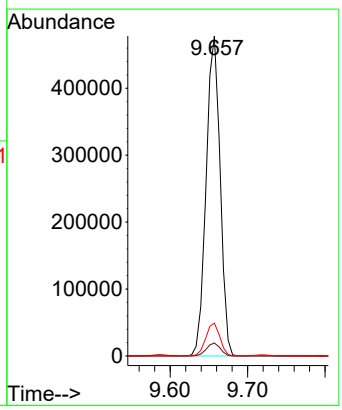


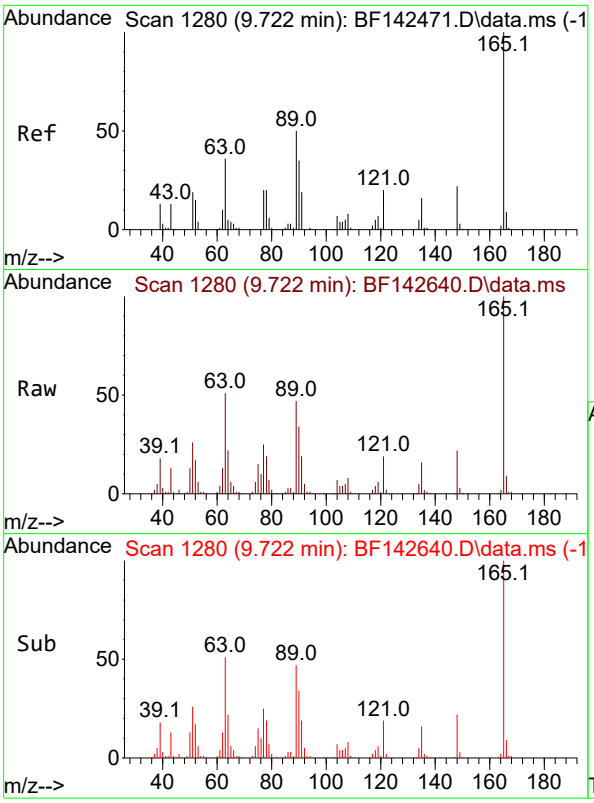


#50
Dimethylphthalate
Concen: 35.637 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:163 Resp: 599163

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.4



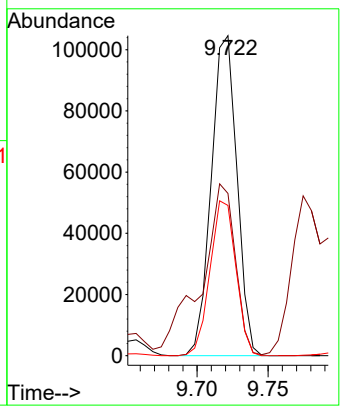


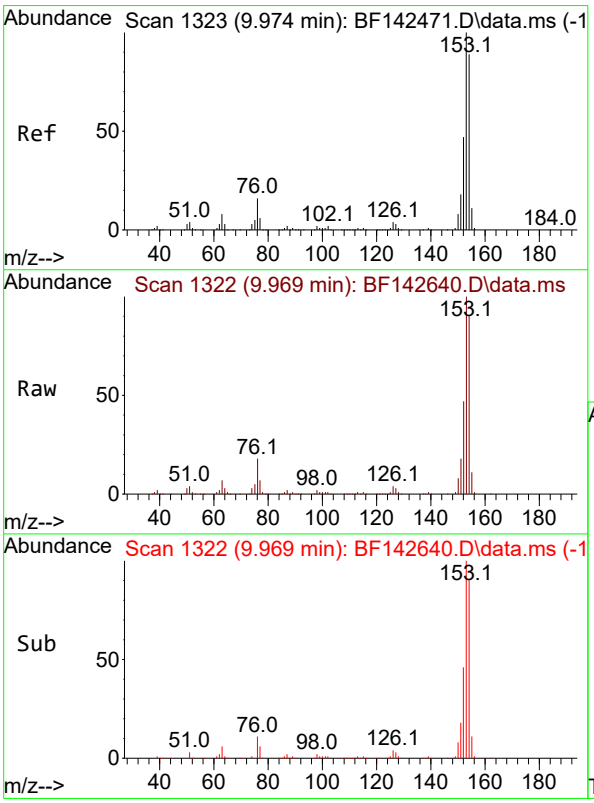
#51
2,6-Dinitrotoluene
Concen: 36.299 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 131723

Ion	Ratio	Lower	Upper
165	100		
63	50.7	42.9	64.3
89	46.9	40.2	60.4

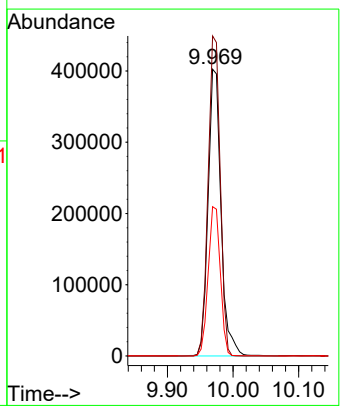


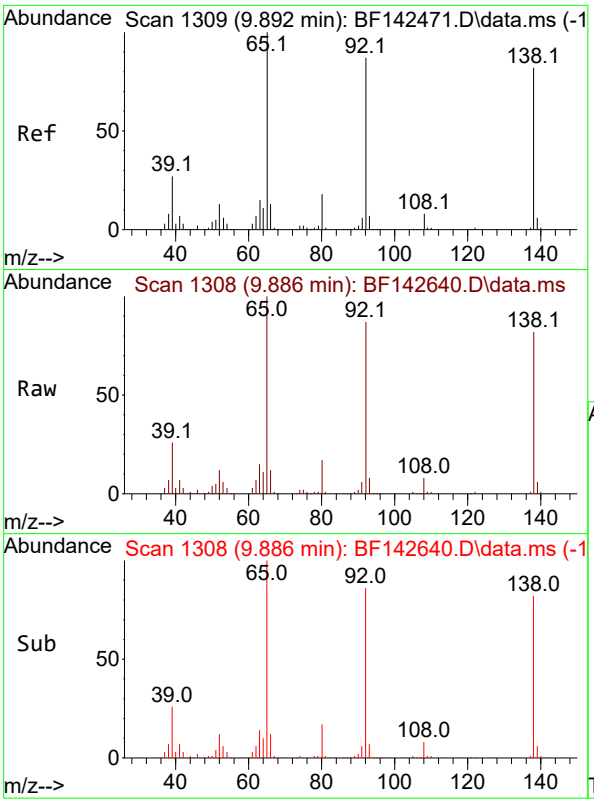


#52
Acenaphthene
Concen: 36.776 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:154 Resp: 553836

Ion	Ratio	Lower	Upper
154	100		
153	111.6	90.0	135.0
152	52.1	42.6	64.0



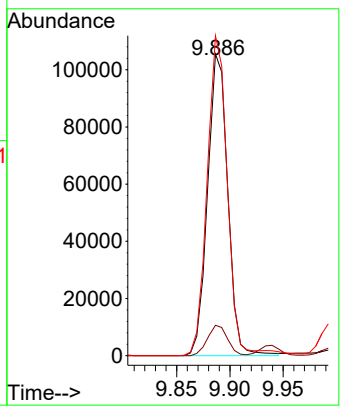


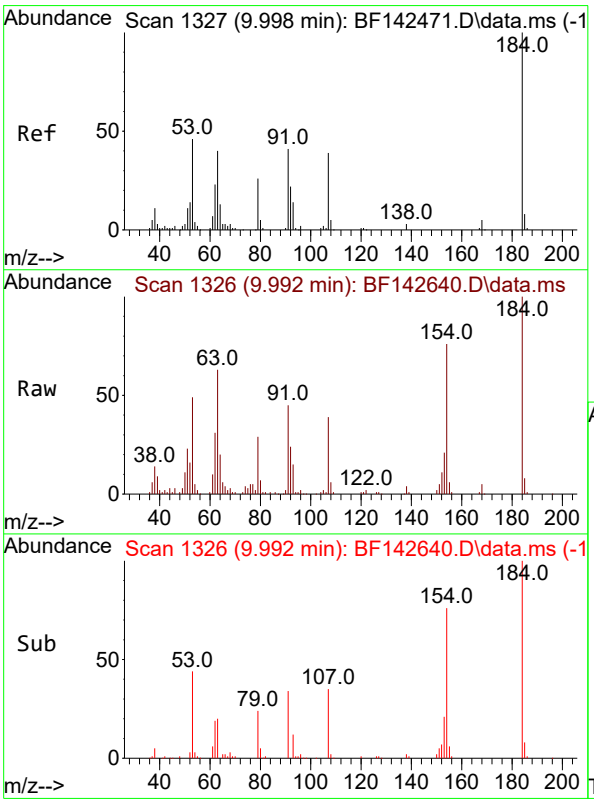
#53
3-Nitroaniline
Concen: 35.071 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 139005

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.1	85.2	127.8

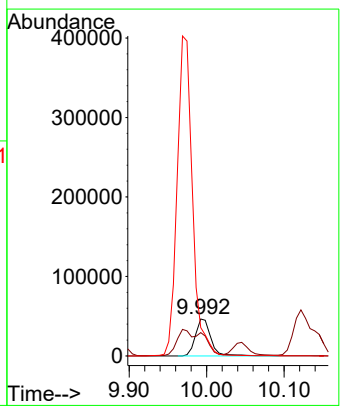


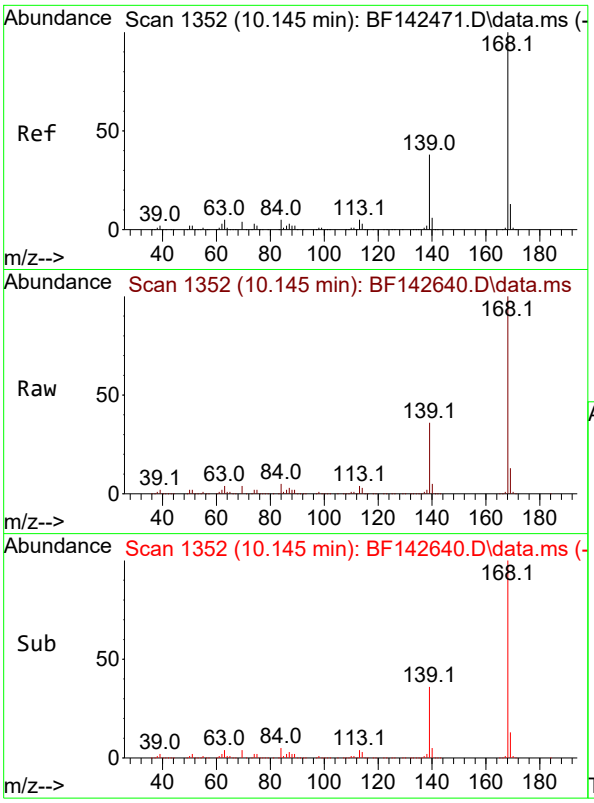


#54
2,4-Dinitrophenol
Concen: 34.463 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:184 Resp: 64611

Ion	Ratio	Lower	Upper
184	100		
63	63.3	46.3	69.5
154	76.4	56.8	85.2



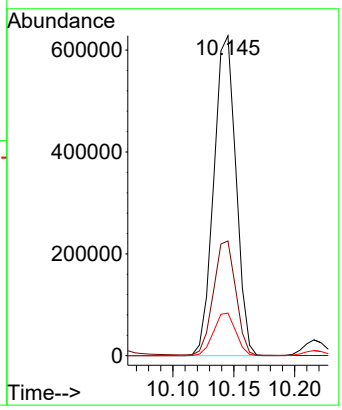


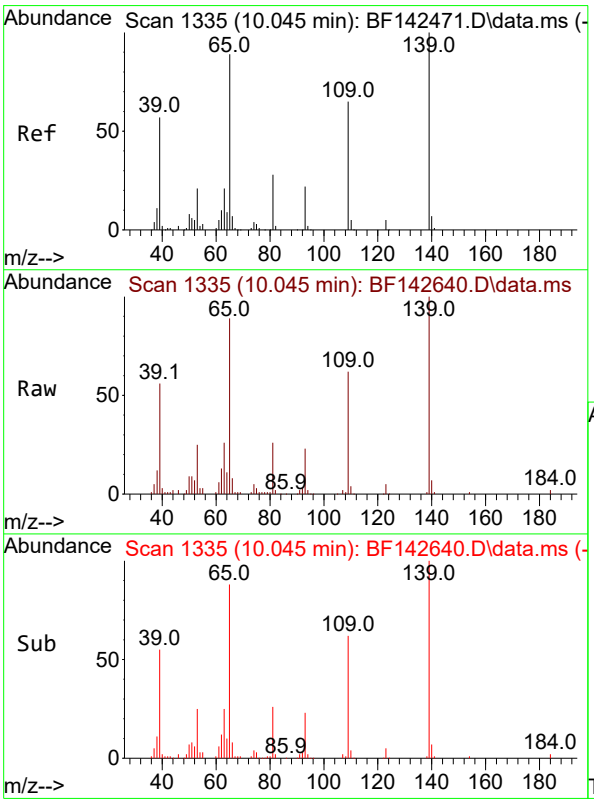
#55
Dibenzofuran
Concen: 36.762 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 796671

Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.2	45.2
169	13.3	10.7	16.1

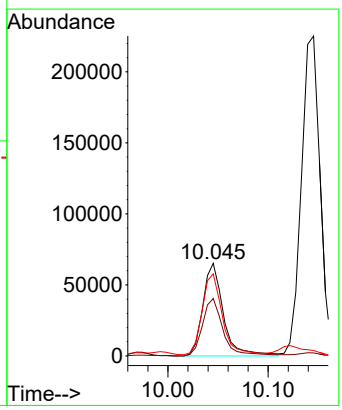


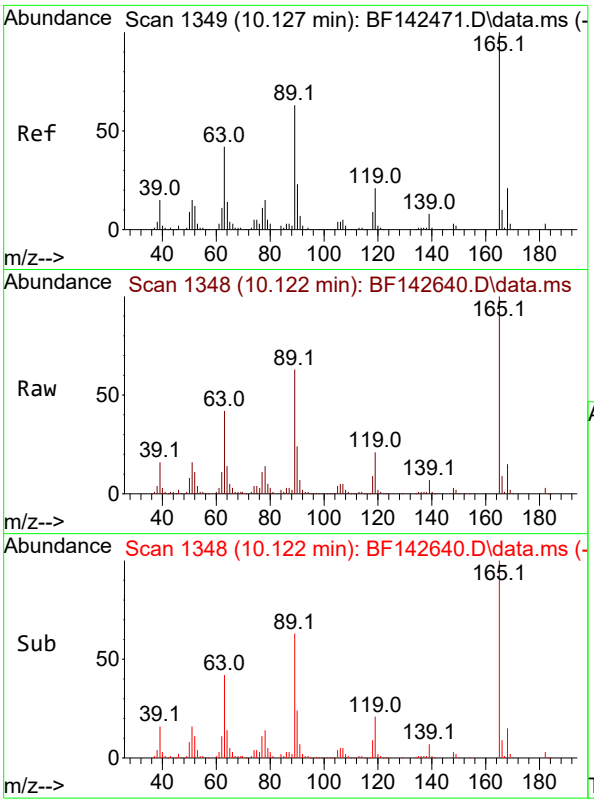


#56
4-Nitrophenol
Concen: 31.712 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:139 Resp: 92741

Ion	Ratio	Lower	Upper
139	100		
109	62.0	45.1	85.1
65	88.7	69.7	109.7



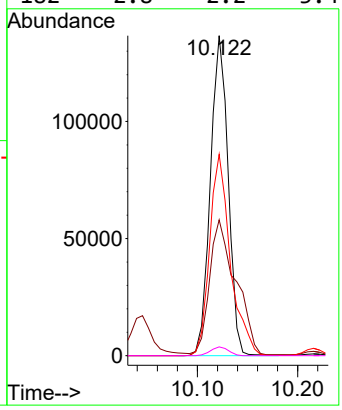


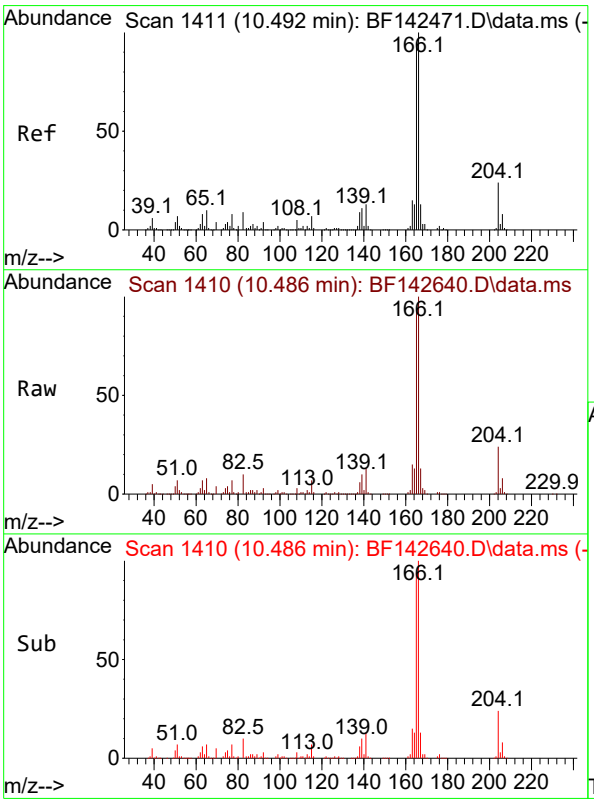
#57
2,4-Dinitrotoluene
Concen: 35.515 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 168308

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	62.9	50.2	75.4
182	2.8	2.2	3.4

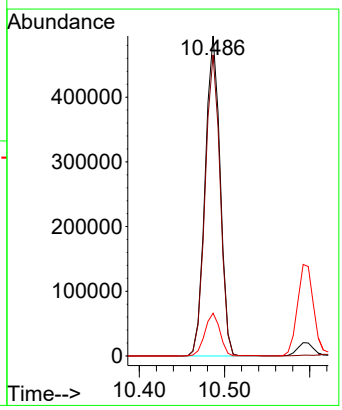


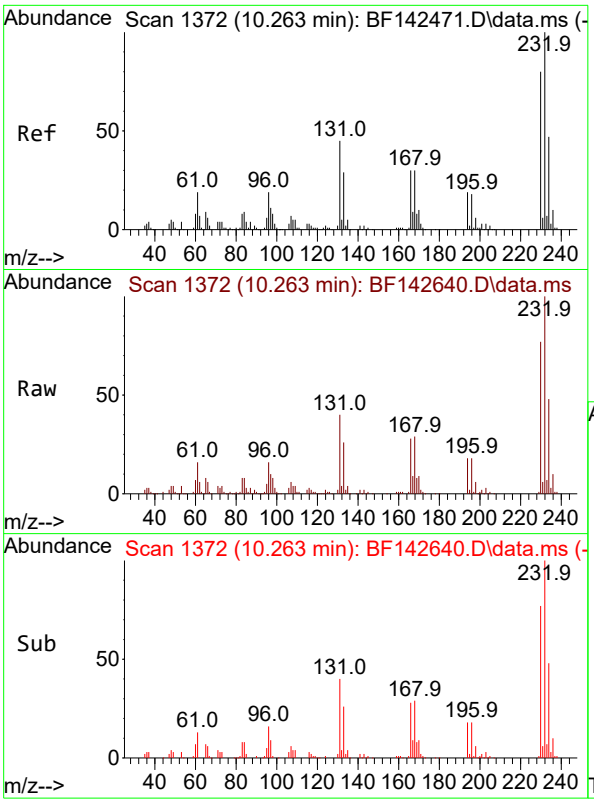


#58
Fluorene
Concen: 36.090 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:166 Resp: 604227

Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.8	113.8
167	13.3	10.6	16.0



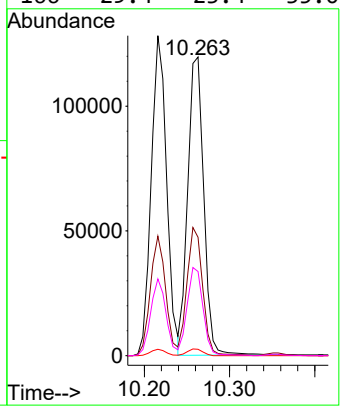


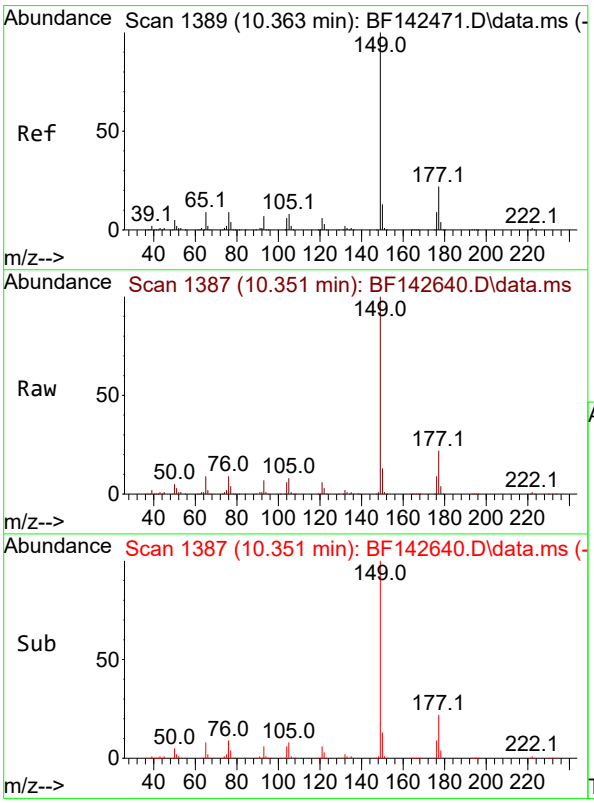
#59
2,3,4,6-Tetrachlorophenol
Concen: 35.916 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 155965

Ion	Ratio	Lower	Upper
232	100		
131	42.2	35.2	52.8
130	2.2	1.7	2.5
166	29.4	23.4	35.0

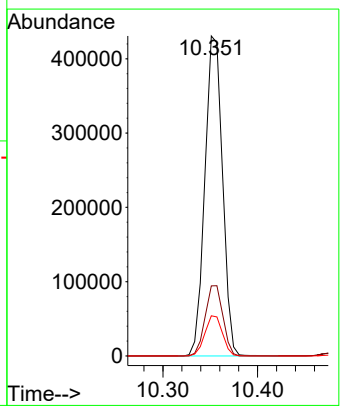


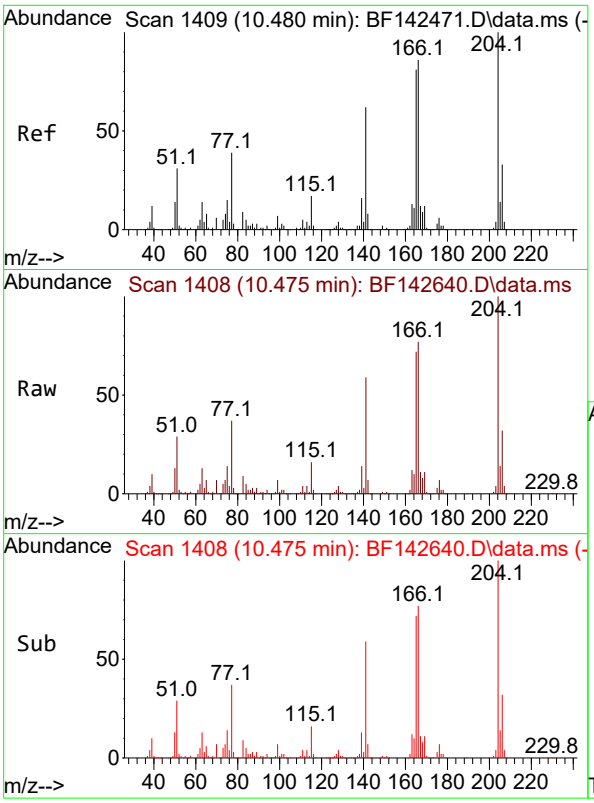


#60
Diethylphthalate
Concen: 33.995 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:149 Resp: 558210

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.6	26.4
150	12.5	10.1	15.1



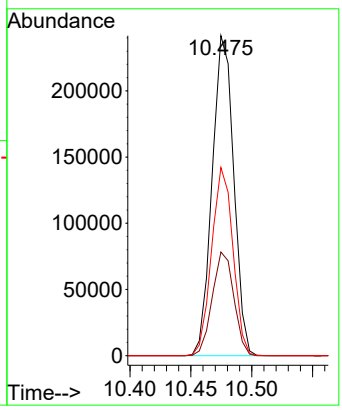


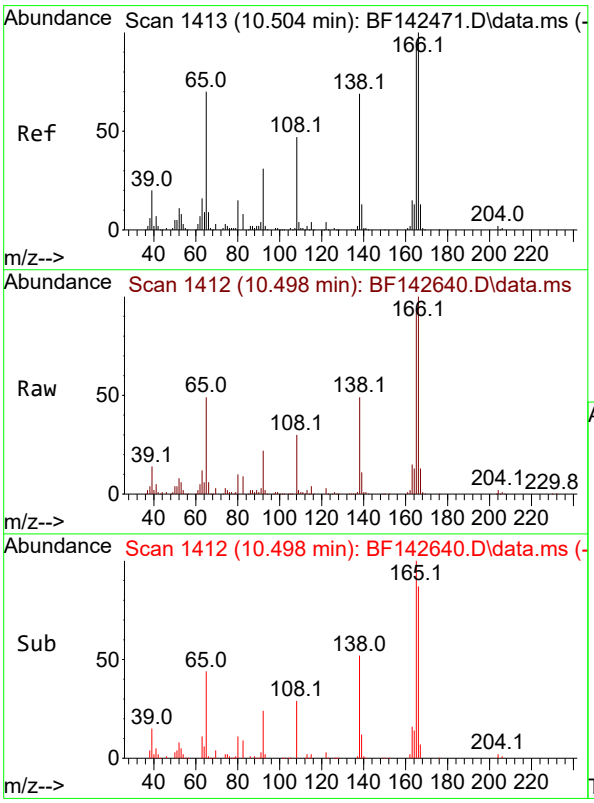
#61
4-Chlorophenyl-phenylether
Concen: 36.211 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 297816

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.3	39.5
141	58.8	49.5	74.3

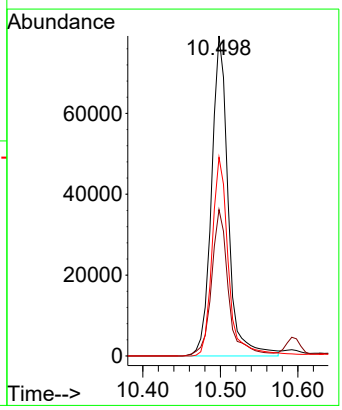


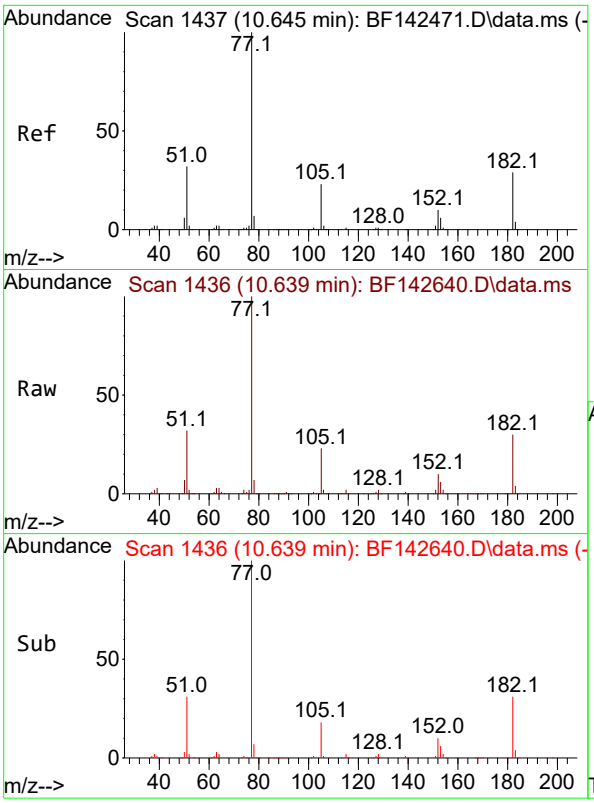


#62
4-Nitroaniline
Concen: 33.002 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:138 Resp: 118630

Ion	Ratio	Lower	Upper
138	100		
92	45.7	26.0	66.0
108	62.1	48.4	88.4



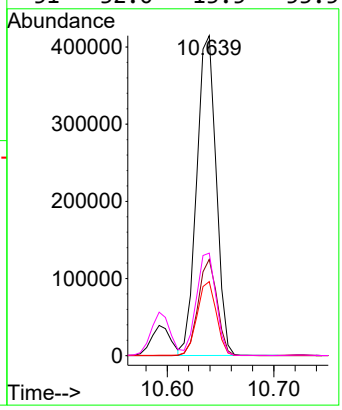


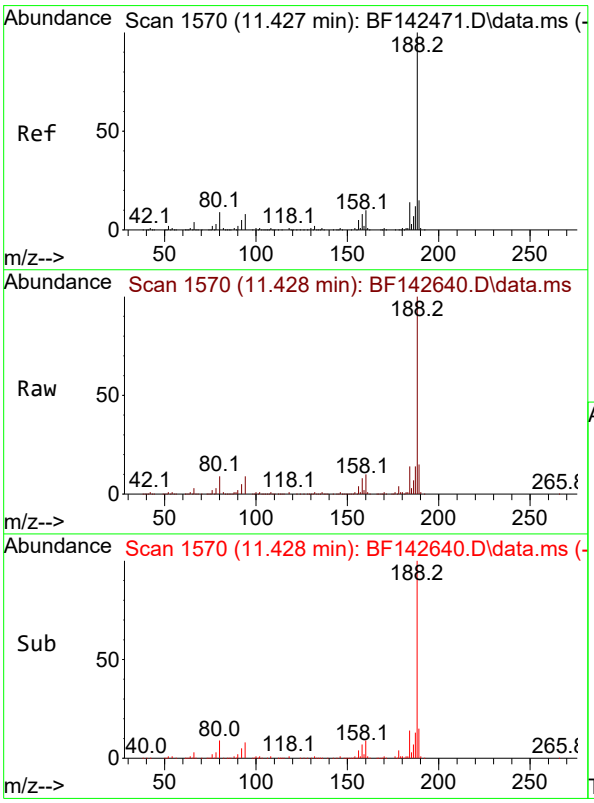
#63
Azobenzene
Concen: 35.781 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 527723

Ion	Ratio	Lower	Upper
77	100		
182	30.1	9.0	49.0
105	23.1	2.4	42.4
51	32.0	13.5	53.5

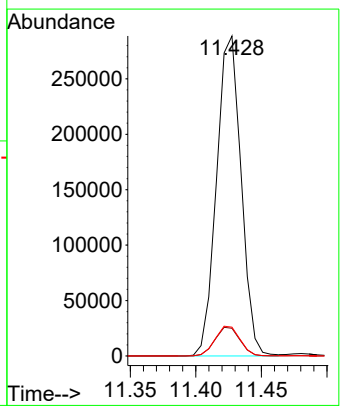


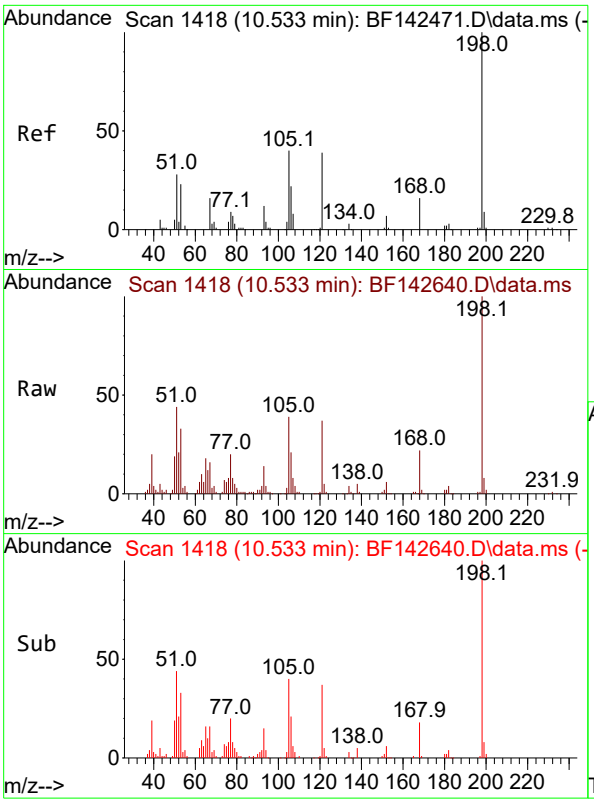


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:188 Resp: 375492

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.0	7.4	11.0



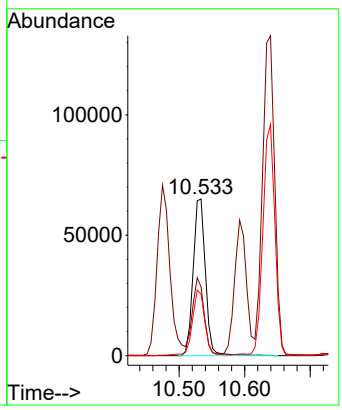


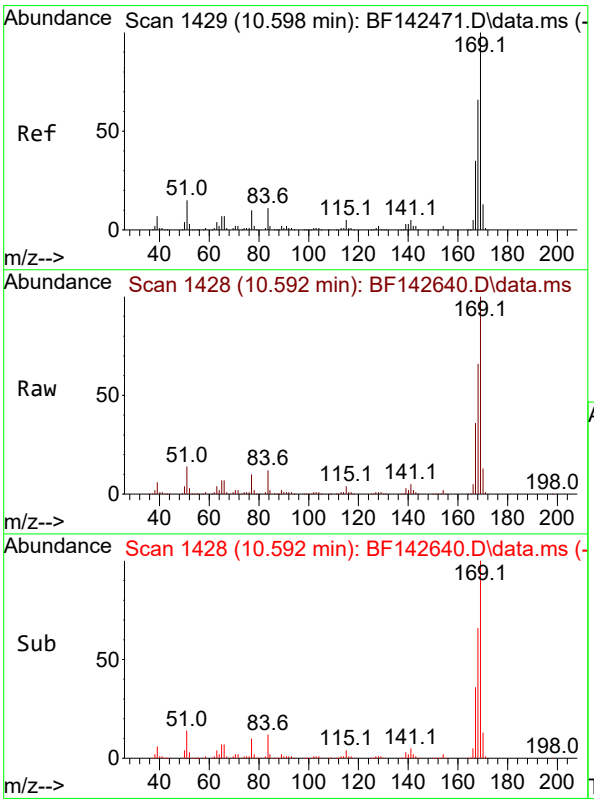
#65
4,6-Dinitro-2-methylphenol
Concen: 40.661 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 85207

Ion	Ratio	Lower	Upper
198	100		
51	43.9	28.3	68.3
105	39.3	21.3	61.3

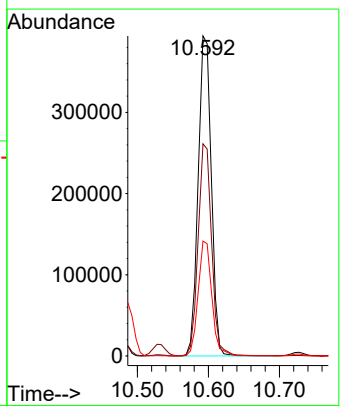


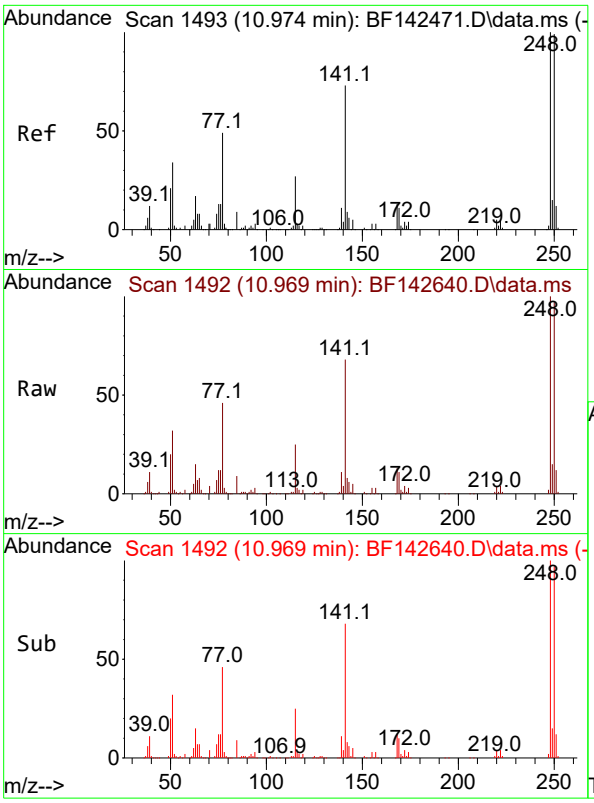


#66
n-Nitrosodiphenylamine
Concen: 39.762 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:169 Resp: 510795

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.7	79.1
167	35.9	28.3	42.5



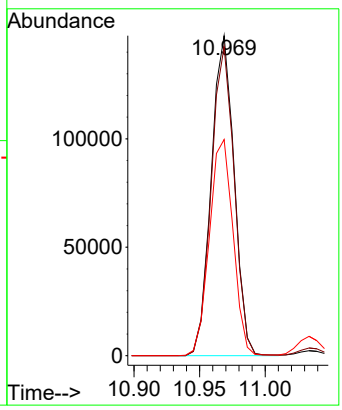


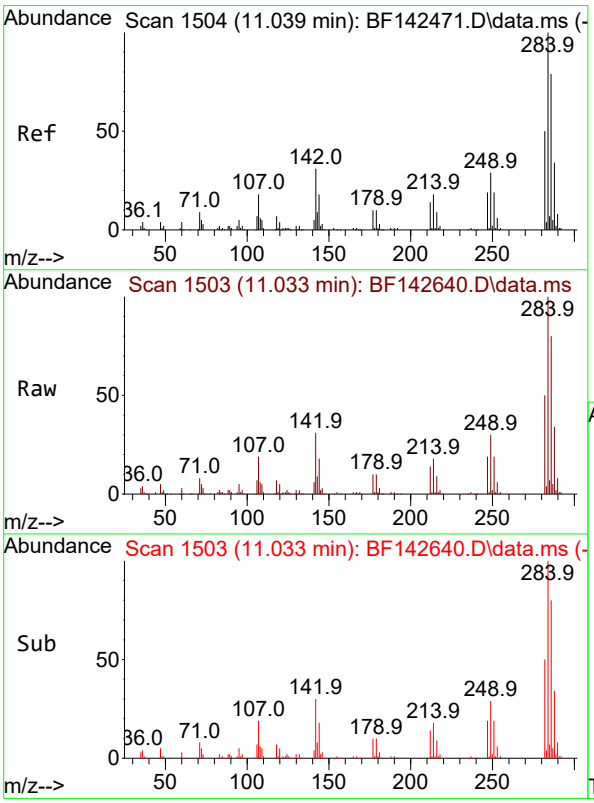
#67
4-Bromophenyl-phenylether
Concen: 40.455 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 179615

Ion	Ratio	Lower	Upper
248	100		
250	96.6	79.0	118.4
141	67.6	58.4	87.6

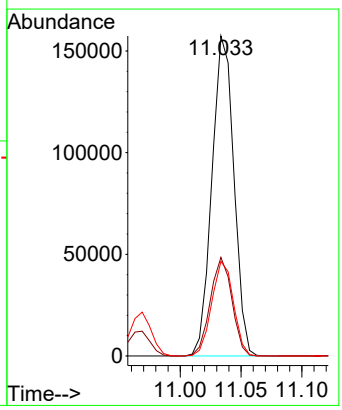


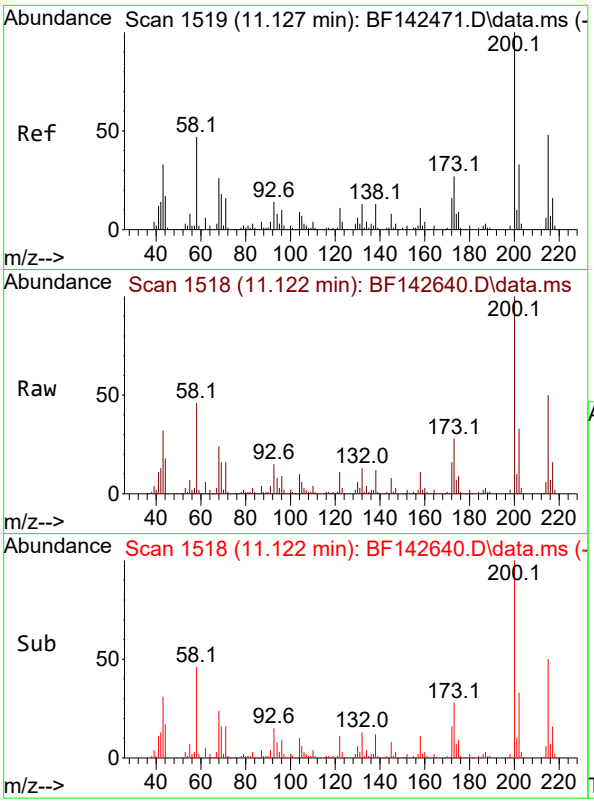


#68
Hexachlorobenzene
Concen: 40.231 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:284 Resp: 197563

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.8	37.2
249	29.5	23.6	35.4



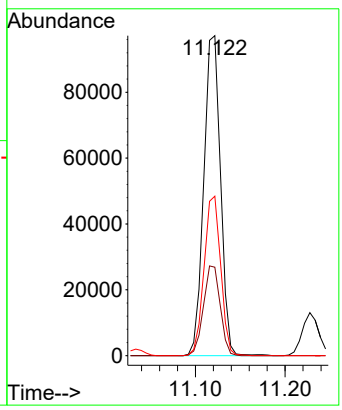


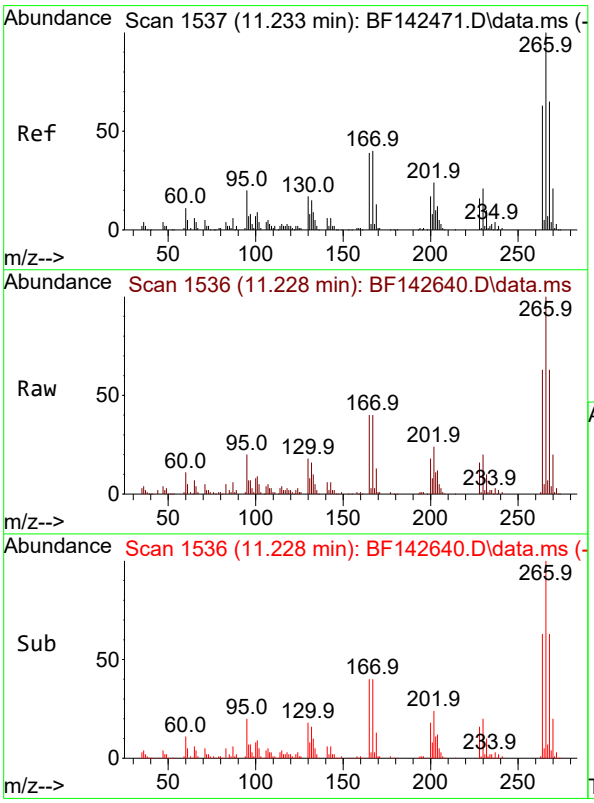
#69
Atrazine
Concen: 36.910 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 125923

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.4	47.4
215	49.8	28.5	68.5

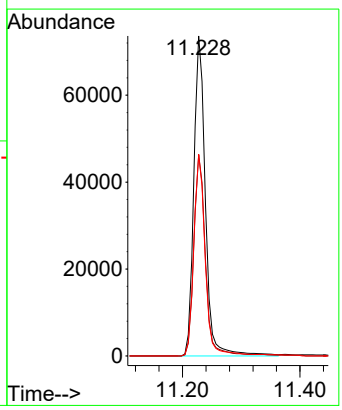


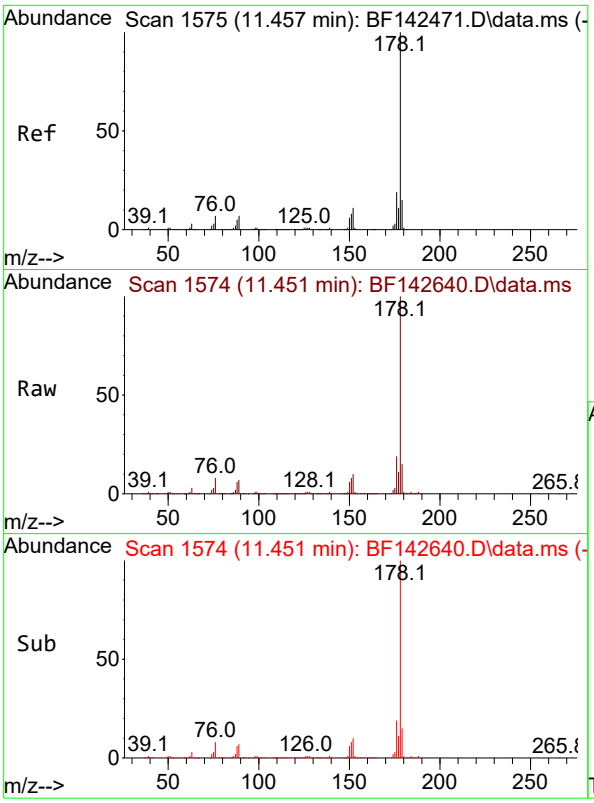


#70
Pentachlorophenol
Concen: 36.574 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:266 Resp: 101401

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.7	77.5
264	63.0	50.4	75.6



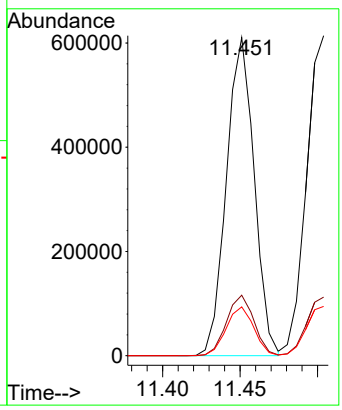


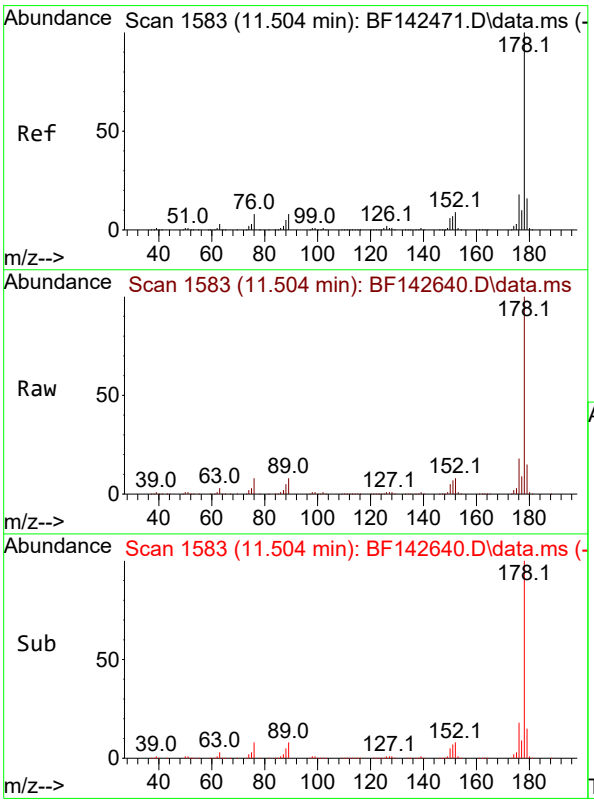
#71
Phenanthrene
Concen: 37.897 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 760473

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.3	18.5

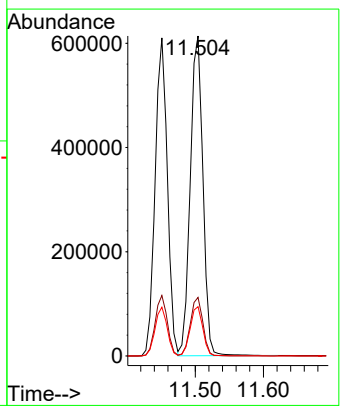


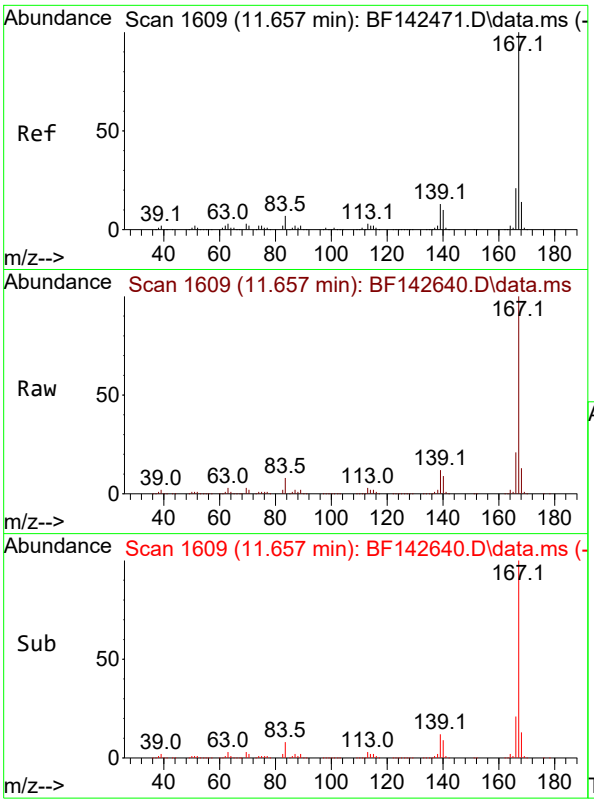


#72
Anthracene
Concen: 38.423 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:178 Resp: 786902

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.4	12.4	18.6



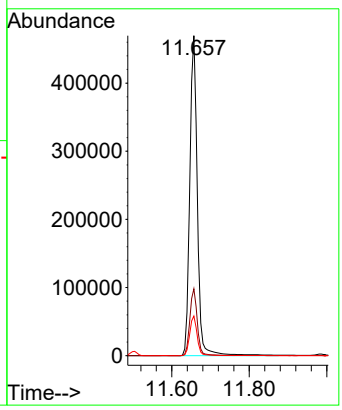


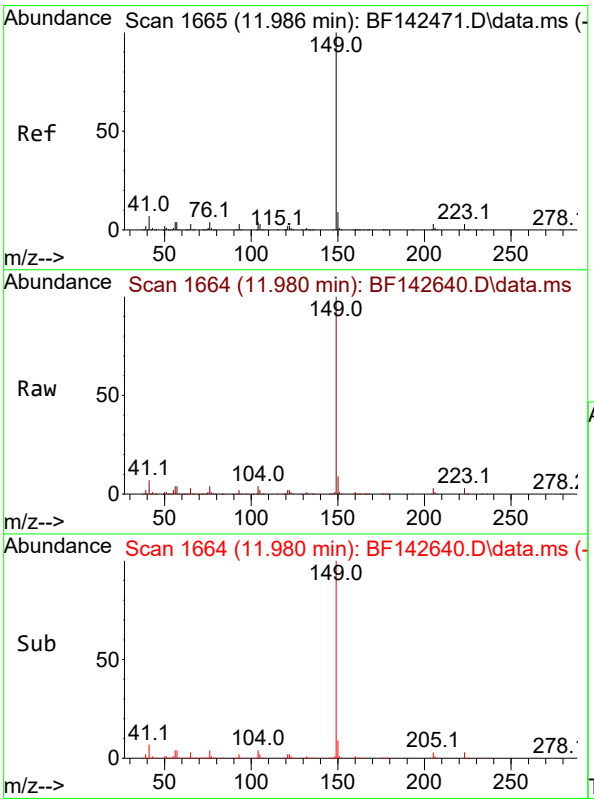
#73
Carbazole
Concen: 36.327 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 636015

Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.9	25.3
139	12.4	10.2	15.4

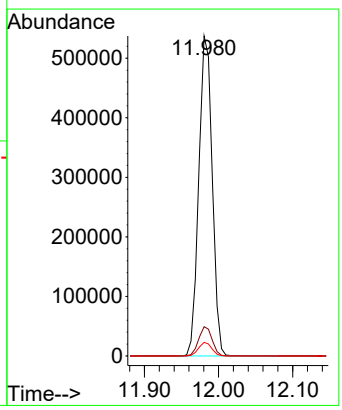


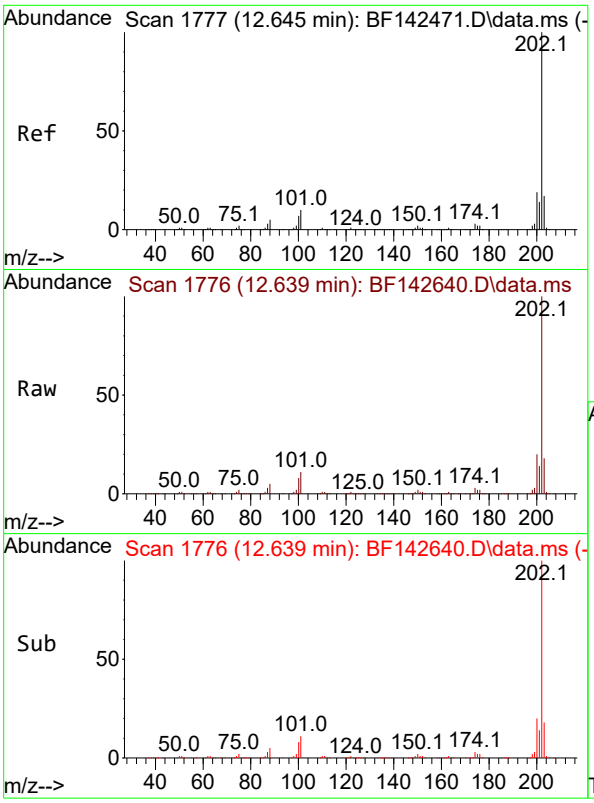


#74
Di-n-butylphthalate
Concen: 35.376 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:149 Resp: 677951

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.2	3.6	5.4



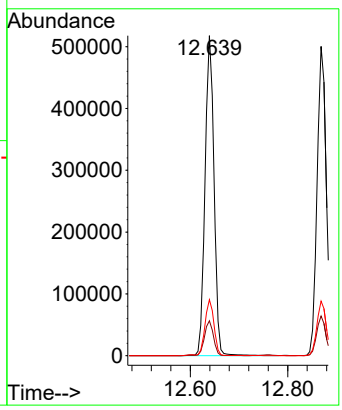


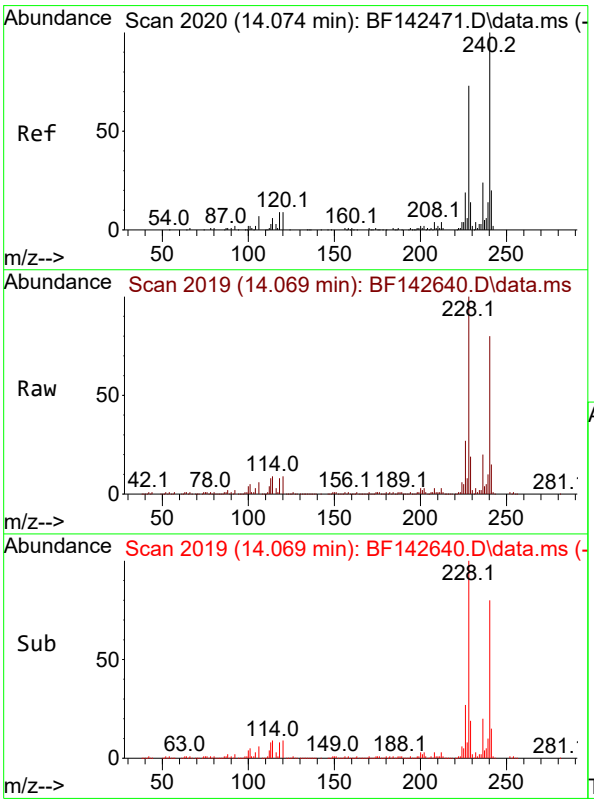
#75
Fluoranthene
Concen: 35.231 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 660603

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	29.6
203	17.5	0.0	37.2

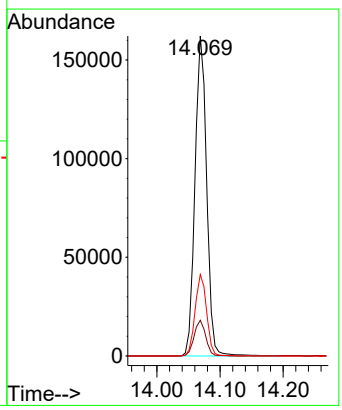


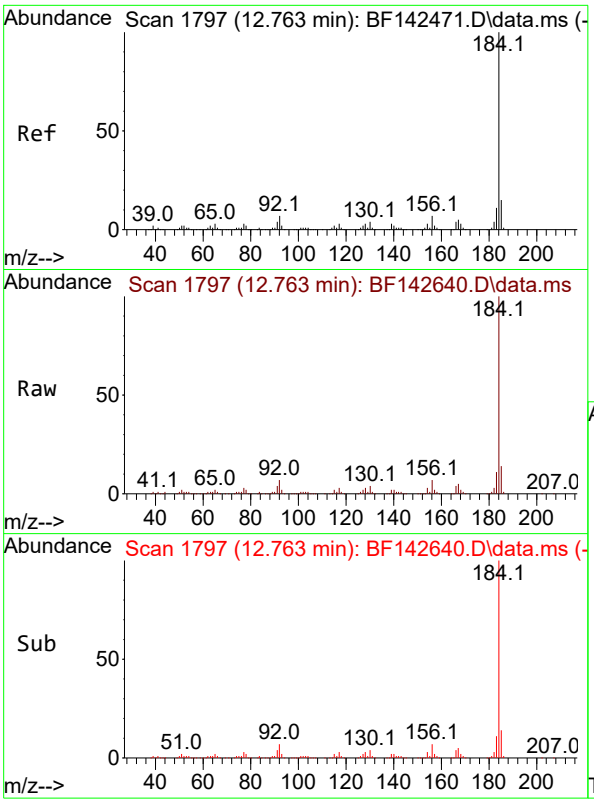


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:240 Resp: 207998

Ion	Ratio	Lower	Upper
240	100		
120	11.2	7.5	11.3
236	25.4	19.6	29.4



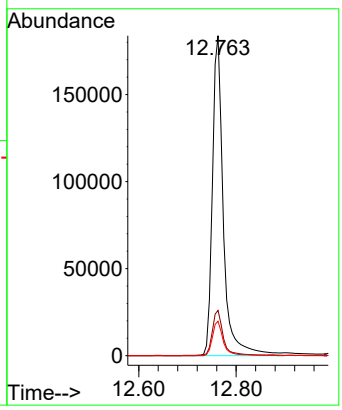


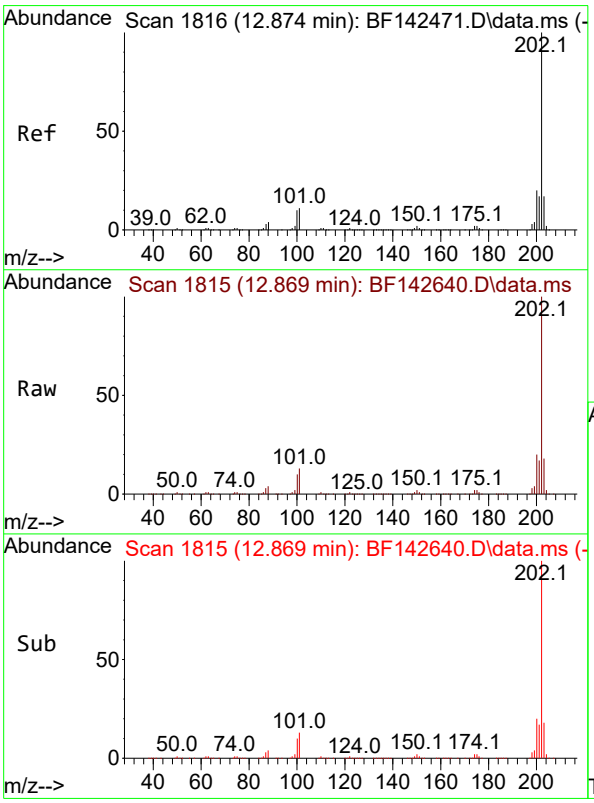
#77
Benzidine
Concen: 36.988 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 286297

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	10.8	9.0	13.4

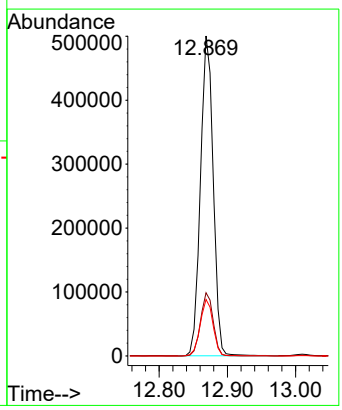


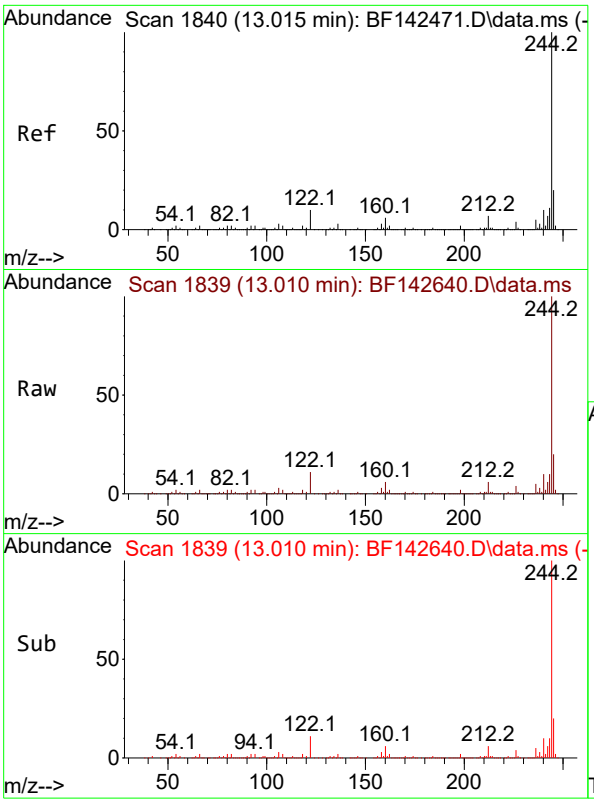


#78
Pyrene
Concen: 33.506 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:202 Resp: 650132

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.6	13.9	20.9



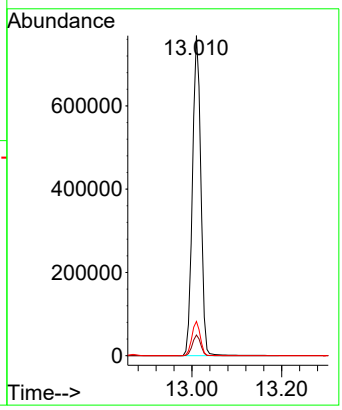


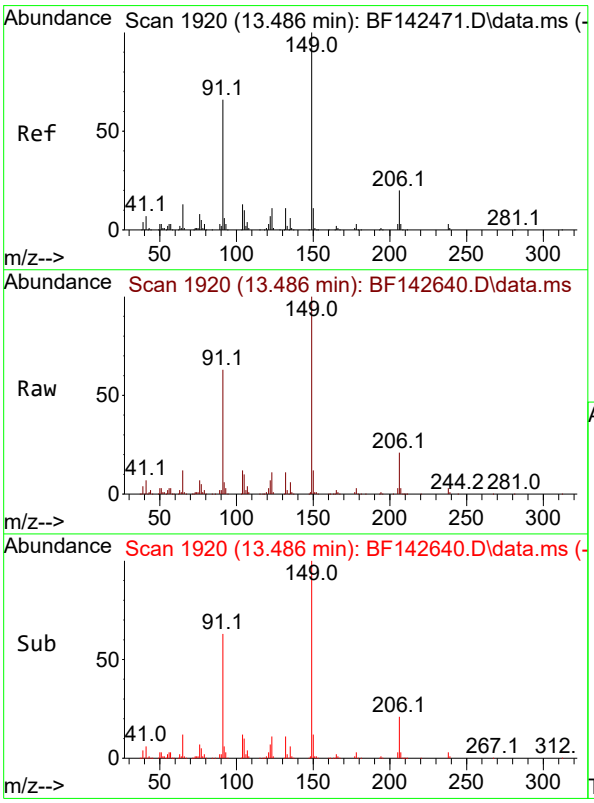
#79
Terphenyl-d14
Concen: 65.361 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 994839

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.7	8.2	12.2

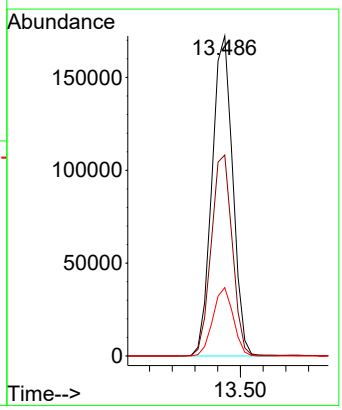


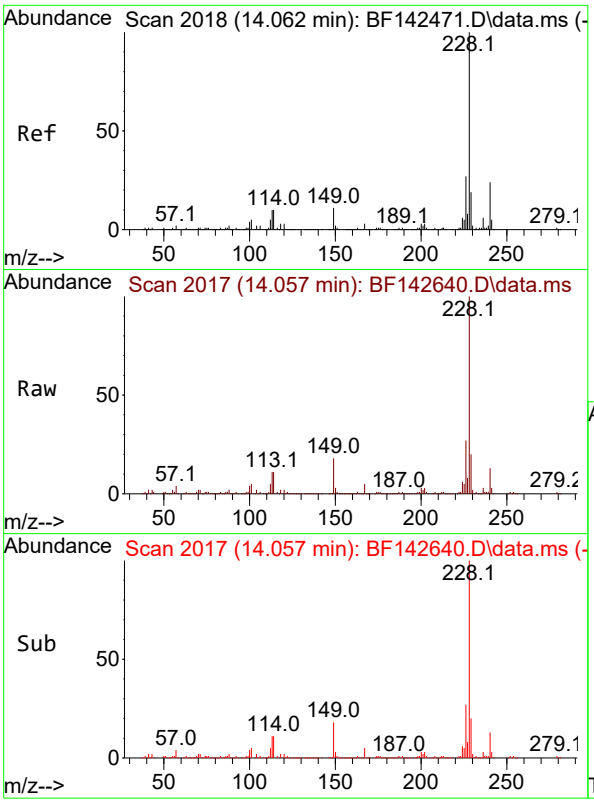


#80
Butylbenzylphthalate
Concen: 40.867 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:149 Resp: 219107

Ion	Ratio	Lower	Upper
149	100		
91	62.8	52.9	79.3
206	21.4	16.2	24.2



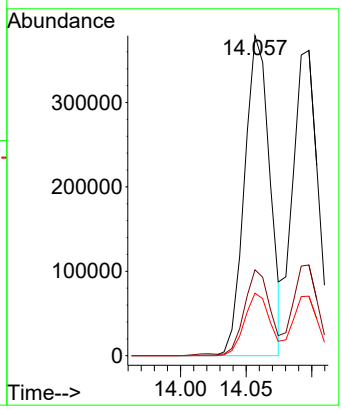


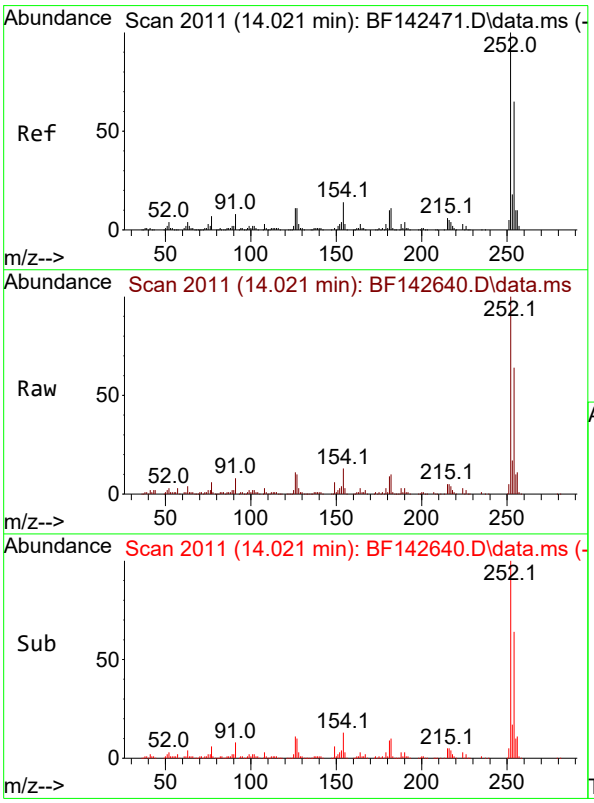
#81
Benzo(a)anthracene
Concen: 36.524 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 507284

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.2	31.8
229	19.6	15.5	23.3

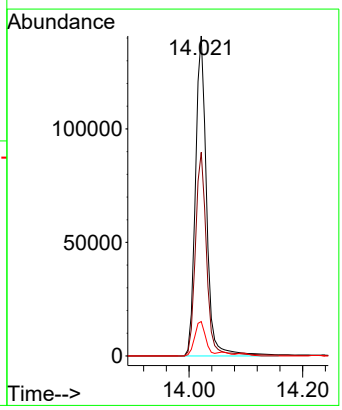


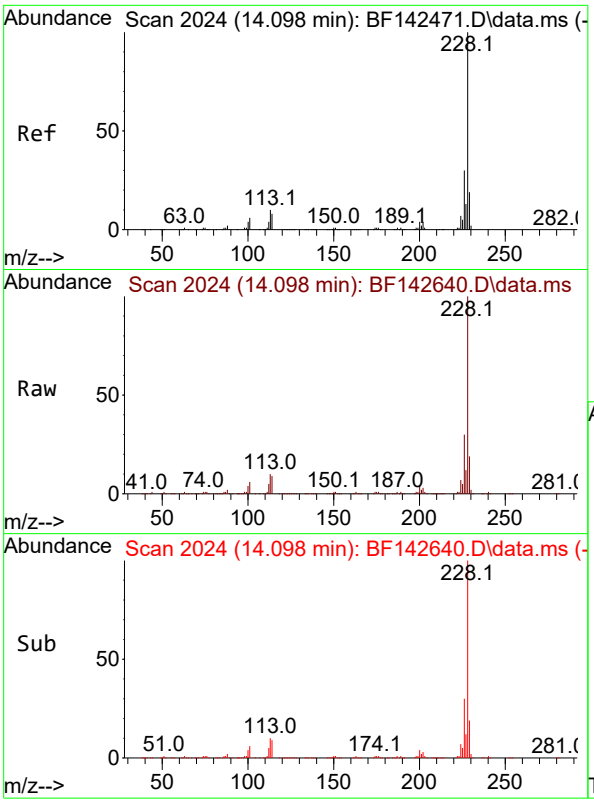


#82
3,3'-Dichlorobenzidine
Concen: 45.876 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:252 Resp: 193262

Ion	Ratio	Lower	Upper
252	100		
254	63.6	52.0	78.0
126	10.7	8.9	13.3



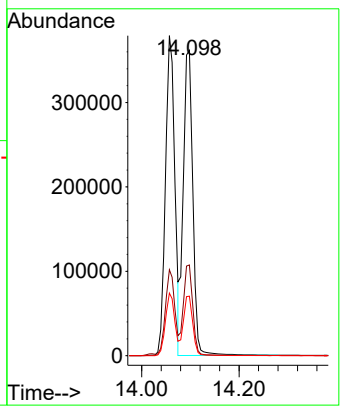


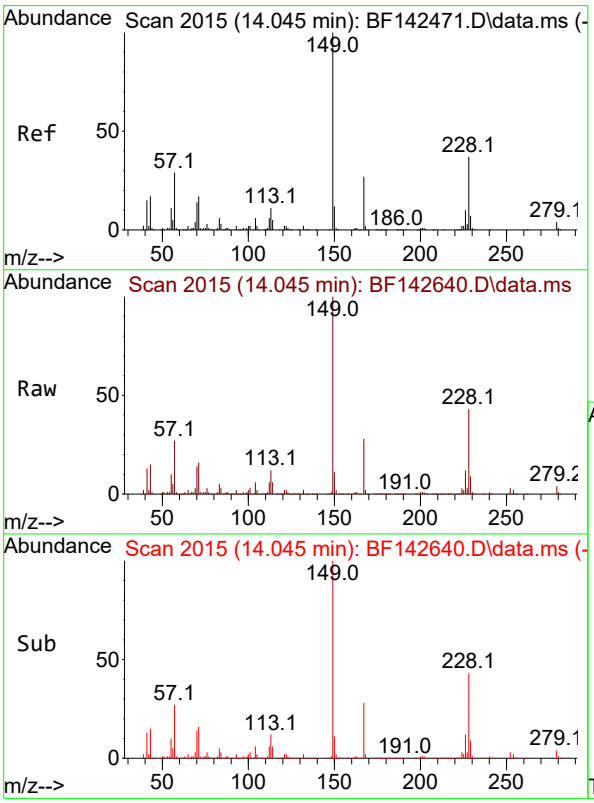
#83
Chrysene
Concen: 39.420 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 491967

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.5	15.4	23.2

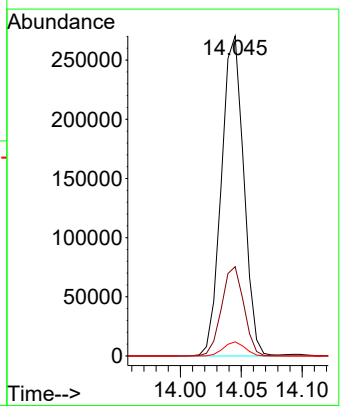


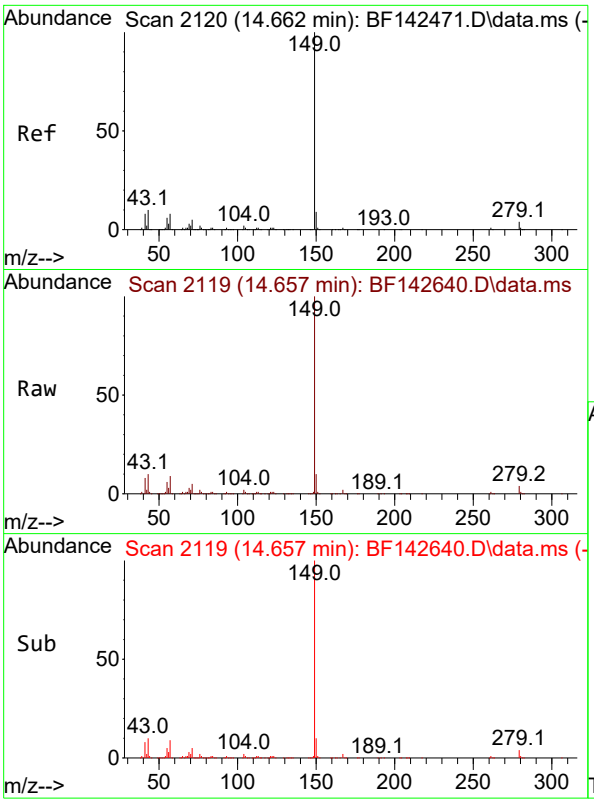


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.356 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:149 Resp: 345615

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.5	32.3
279	4.4	3.2	4.8



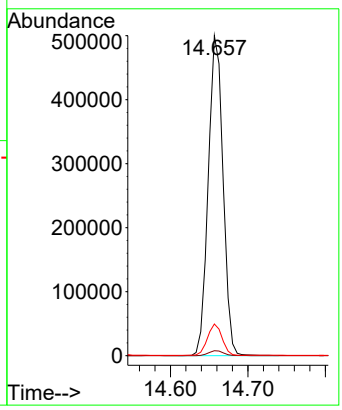


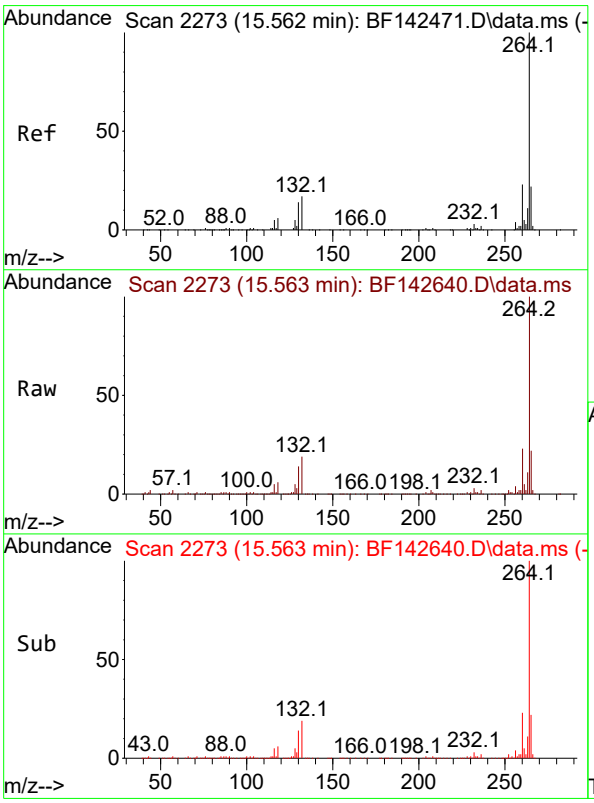
#85
Di-n-octyl phthalate
Concen: 49.395 ng
RT: 14.657 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 662892

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.6	7.9	11.9

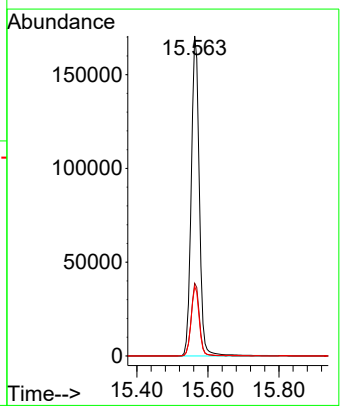


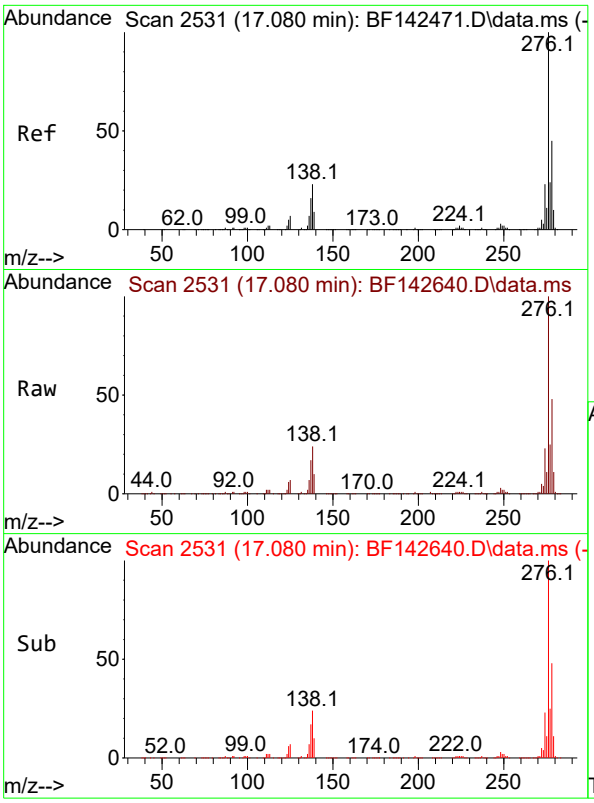


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:264 Resp: 270482

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.7	17.7	26.5



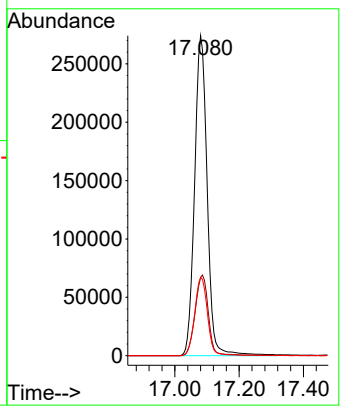


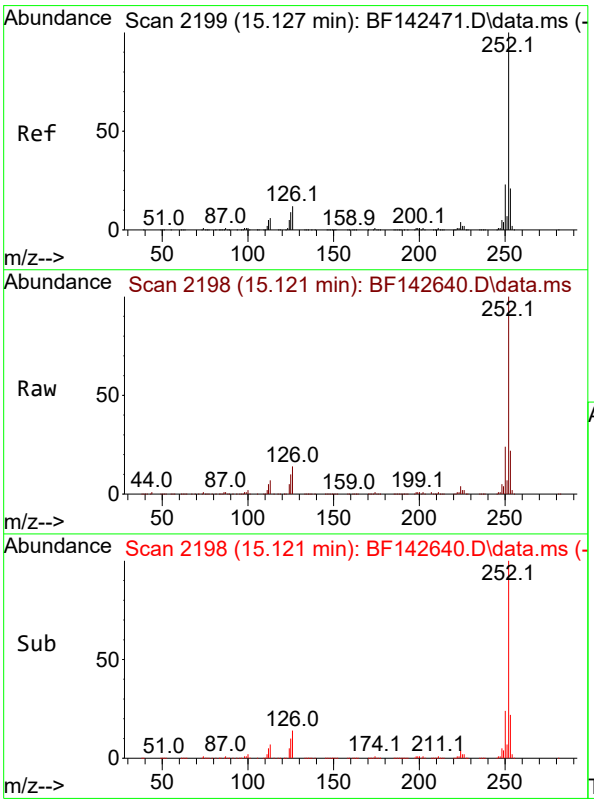
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.762 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 746484

Ion	Ratio	Lower	Upper
276	100		
138	26.3	19.9	29.9
277	24.8	20.2	30.2

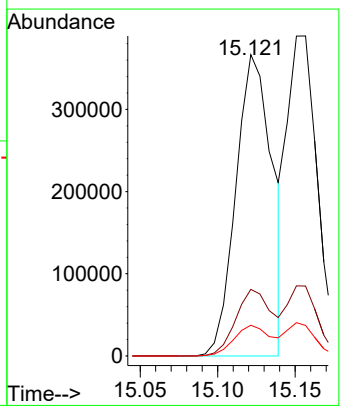


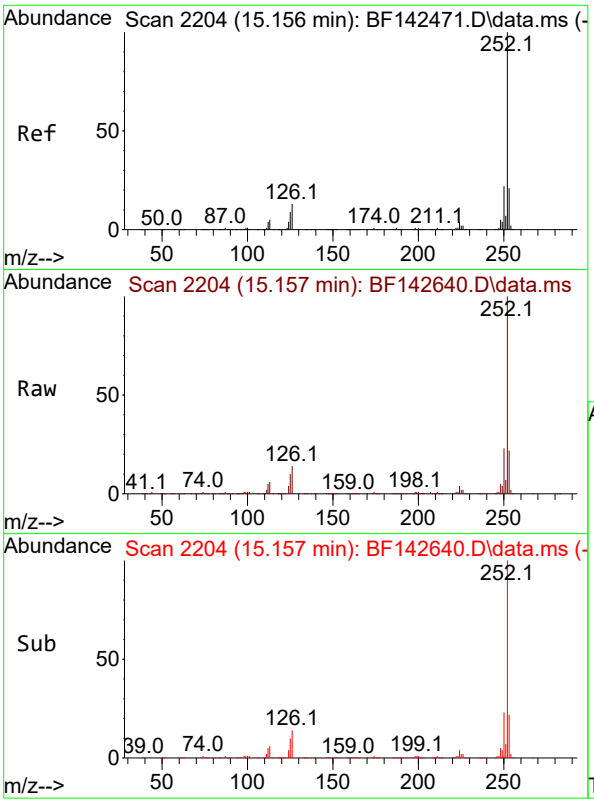


#88
Benzo(b)fluoranthene
Concen: 37.359 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:252 Resp: 598065

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	10.2	7.4	11.0



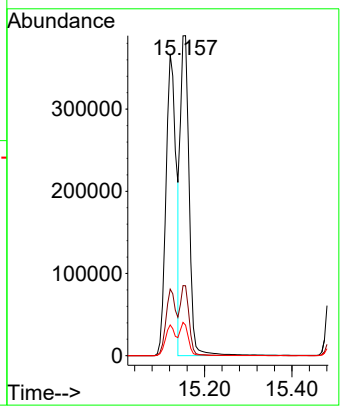


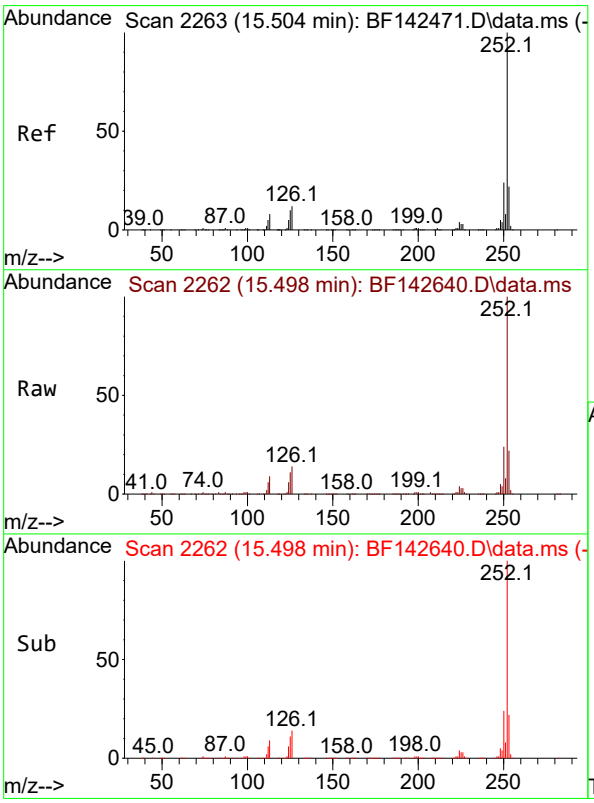
#89
Benzo(k)fluoranthene
Concen: 36.053 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 540571

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	9.5	7.3	10.9

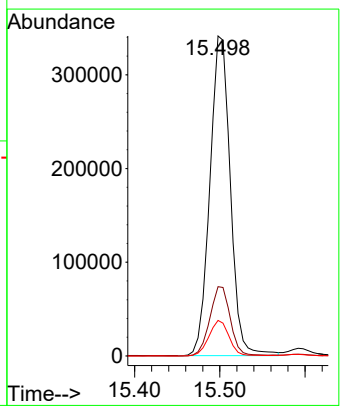


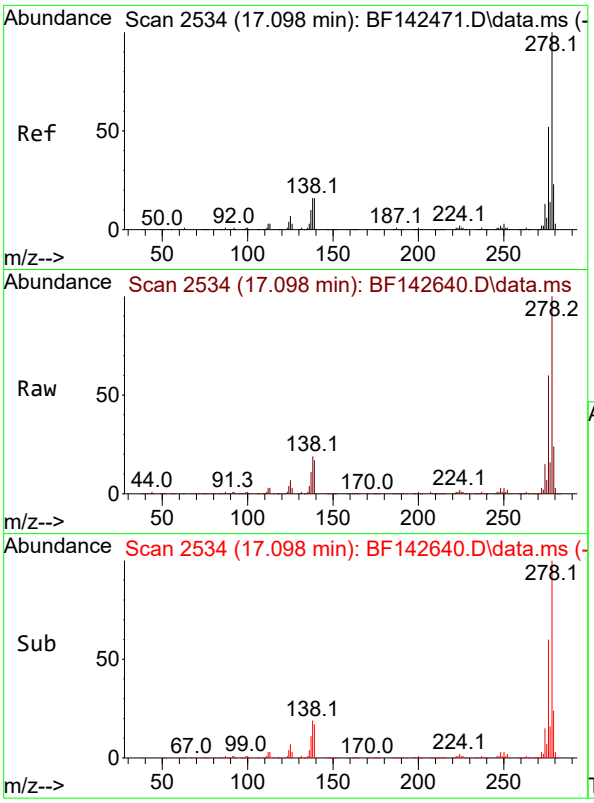


#90
Benzo(a)pyrene
Concen: 37.731 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:252 Resp: 569346

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	11.1	7.9	11.9



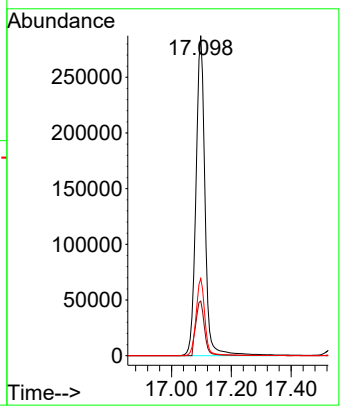


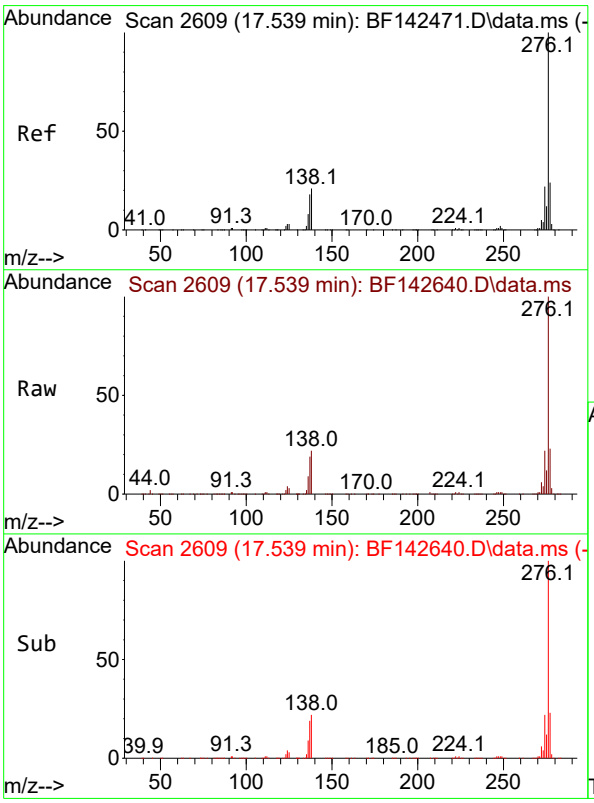
#91
Dibenzo(a,h)anthracene
Concen: 36.750 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 605250

Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.8	19.2
279	24.1	18.6	28.0

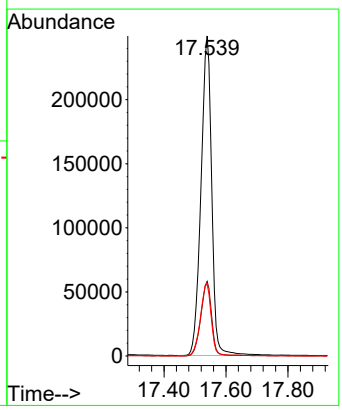




#92
Benzo(g,h,i)perylene
Concen: 36.482 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.017 min
Lab File: BF142640.D
Acq: 06 Jun 2025 11:36

Tgt Ion:276 Resp: 600963

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	22.4	16.8	25.2



Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	130	-0.01
2		1,4-Dioxane	0.475	0.477	-0.4	135	-0.01
3		Pyridine	1.210	1.199	0.9	133	-0.01
4		n-Nitrosodimethylamine	0.628	0.588	6.4	123	-0.03
5	S	2-Fluorophenol	1.187	1.121	5.6	129	0.00
6		Aniline	1.921	1.857	3.3	131	-0.01
7	S	Phenol-d6	1.429	1.356	5.1	129	-0.01
8		2-Chlorophenol	1.293	1.241	4.0	129	0.00
9		Benzaldehyde	0.859	0.766	10.8	122	0.00
10	C	Phenol	1.608	1.531	4.8	130	-0.01
11		bis(2-Chloroethyl)ether	1.157	1.138	1.6	133	-0.01
12		1,3-Dichlorobenzene	1.443	1.384	4.1	129	-0.01
13	C	1,4-Dichlorobenzene	1.453	1.391	4.3	128	-0.01
14		1,2-Dichlorobenzene	1.391	1.343	3.5	131	-0.01
15		Benzyl Alcohol	1.056	0.985	6.7	125	-0.01
16		2,2'-oxybis(1-Chloropropane	1.944	1.880	3.3	131	-0.01
17		2-Methylphenol	1.010	0.964	4.6	128	0.00
18		Hexachloroethane	0.507	0.489	3.6	130	0.00
19	P	n-Nitroso-di-n-propylamine	0.886	0.812	8.4	125	-0.02
20		3+4-Methylphenols	1.293	1.177	9.0	123	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	129	0.00
22		Acetophenone	0.443	0.410	7.4	123	-0.01
23	S	Nitrobenzene-d5	0.367	0.343	6.5	124	-0.01
24		Nitrobenzene	0.331	0.311	6.0	125	-0.01
25		Isophorone	0.613	0.566	7.7	123	-0.02
26	C	2-Nitrophenol	0.177	0.174	1.7	128	-0.01
27		2,4-Dimethylphenol	0.312	0.292	6.4	125	-0.01
28		bis(2-Chloroethoxy)methane	0.383	0.361	5.7	128	-0.01
29	C	2,4-Dichlorophenol	0.283	0.273	3.5	128	0.00
30		1,2,4-Trichlorobenzene	0.308	0.293	4.9	129	0.00
31		Naphthalene	0.985	0.926	6.0	127	0.00
32		Benzoic acid	0.190	0.174	8.4	119	-0.04
33		4-Chloroaniline	0.399	0.381	4.5	127	0.00
34	C	Hexachlorobutadiene	0.192	0.181	5.7	125	-0.01
35		Caprolactam	0.080	0.071	11.3	116	-0.03
36	C	4-Chloro-3-methylphenol	0.291	0.262	10.0	120	-0.01
37		2-Methylnaphthalene	0.620	0.577	6.9	126	0.00
38		1-Methylnaphthalene	0.641	0.591	7.8	124	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	123	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.558	2.8	125	-0.01
41	P	Hexachlorocyclopentadiene	0.387	0.355	8.3	112	0.00
42	S	2,4,6-Tribromophenol	0.222	0.192	13.5	112	-0.01
43	C	2,4,6-Trichlorophenol	0.387	0.375	3.1	125	0.00
44		2,4,5-Trichlorophenol	0.408	0.381	6.6	119	0.00
45	S	2-Fluorobiphenyl	1.490	1.353	9.2	120	-0.01
46		1,1'-Biphenyl	1.552	1.469	5.3	123	-0.01
47		2-Chloronaphthalene	1.146	1.112	3.0	126	-0.01

Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.331	0.307	7.3	117	-0.01
49		Acenaphthylene	1.936	1.812	6.4	121	-0.01
50		Dimethylphthalate	1.320	1.176	10.9	116	-0.01
51		2,6-Dinitrotoluene	0.285	0.258	9.5	114	0.00
52	C	Acenaphthene	1.182	1.087	8.0	120	-0.01
53		3-Nitroaniline	0.311	0.273	12.2	113	-0.01
54	P	2,4-Dinitrophenol	0.147	0.127	13.6	105	-0.01
55		Dibenzofuran	1.701	1.563	8.1	120	0.00
56	P	4-Nitrophenol	0.230	0.182	20.9	99	0.00
57		2,4-Dinitrotoluene	0.372	0.330	11.3	112	-0.01
58		Fluorene	1.314	1.186	9.7	119	-0.01
59		2,3,4,6-Tetrachlorophenol	0.341	0.306	10.3	114	0.00
60		Diethylphthalate	1.289	1.095	15.1	110	-0.02
61		4-Chlorophenyl-phenylether	0.646	0.584	9.6	119	-0.01
62		4-Nitroaniline	0.282	0.233	17.4	104	-0.02
63		Azobenzene	1.158	1.036	10.5	116	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.112	0.113	-0.9	108	0.00
66	c	n-Nitrosodiphenylamine	0.684	0.680	0.6	115	-0.01
67		4-Bromophenyl-phenylether	0.236	0.239	-1.3	118	0.00
68		Hexachlorobenzene	0.262	0.263	-0.4	115	-0.01
69		Atrazine	0.182	0.168	7.7	103	0.00
70	C	Pentachlorophenol	0.148	0.135	8.8	101	0.00
71		Phenanthrene	1.069	1.013	5.2	110	0.00
72		Anthracene	1.091	1.048	3.9	111	0.00
73		Carbazole	0.933	0.847	9.2	104	0.00
74		Di-n-butylphthalate	1.021	0.903	11.6	101	-0.01
75	C	Fluoranthene	0.999	0.880	11.9	103	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	123	0.00
77		Benzidine	0.744	0.688	7.5	106	0.00
78		Pyrene	1.866	1.563	16.2	103	0.00
79	S	Terphenyl-d14	1.464	1.196	18.3	103	0.00
80		Butylbenzylphthalate	0.516	0.527	-2.1	123	0.00
81		Benzo(a)anthracene	1.336	1.219	8.8	117	0.00
82		3,3'-Dichlorobenzidine	0.405	0.465	-14.8	141	0.00
83		Chrysene	1.200	1.183	1.4	127	0.00
84		Bis(2-ethylhexyl)phthalate	0.660	0.831	-25.9#	152#	0.00
85	c	Di-n-octyl phthalate	1.290	1.594	-23.6#	155#	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	143	0.00
87		Indeno(1,2,3-cd)pyrene	1.501	1.380	8.1	136	-0.01
88		Benzo(b)fluoranthene	1.184	1.106	6.6	140	0.00
89		Benzo(k)fluoranthene	1.109	0.999	9.9	137	0.00
90	C	Benzo(a)pyrene	1.116	1.052	5.7	139	-0.01
91		Dibenzo(a,h)anthracene	1.218	1.119	8.1	135	-0.02
92		Benzo(g,h,i)perylene	1.218	1.111	8.8	135	-0.02

Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	130	-0.01
2		1,4-Dioxane	40.000	40.162	-0.4	135	-0.01
3		Pyridine	40.000	39.645	0.9	133	-0.01
4		n-Nitrosodimethylamine	40.000	37.460	6.3	123	-0.03
5	S	2-Fluorophenol	80.000	75.548	5.6	129	0.00
6		Aniline	40.000	38.667	3.3	131	-0.01
7	S	Phenol-d6	80.000	75.909	5.1	129	-0.01
8		2-Chlorophenol	40.000	38.405	4.0	129	0.00
9		Benzaldehyde	40.000	35.659	10.9	122	0.00
10	C	Phenol	40.000	38.090	4.8	130	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.339	1.7	133	-0.01
12		1,3-Dichlorobenzene	40.000	38.357	4.1	129	-0.01
13	C	1,4-Dichlorobenzene	40.000	38.288	4.3	128	-0.01
14		1,2-Dichlorobenzene	40.000	38.616	3.5	131	-0.01
15		Benzyl Alcohol	40.000	37.307	6.7	125	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.691	3.3	131	-0.01
17		2-Methylphenol	40.000	38.210	4.5	128	0.00
18		Hexachloroethane	40.000	38.540	3.7	130	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.676	8.3	125	-0.02
20		3+4-Methylphenols	40.000	36.433	8.9	123	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	129	0.00
22		Acetophenone	40.000	37.007	7.5	123	-0.01
23	S	Nitrobenzene-d5	80.000	74.795	6.5	124	-0.01
24		Nitrobenzene	40.000	37.627	5.9	125	-0.01
25		Isophorone	40.000	36.922	7.7	123	-0.02
26	C	2-Nitrophenol	40.000	39.357	1.6	128	-0.01
27		2,4-Dimethylphenol	40.000	37.468	6.3	125	-0.01
28		bis(2-Chloroethoxy)methane	40.000	37.724	5.7	128	-0.01
29	C	2,4-Dichlorophenol	40.000	38.569	3.6	128	0.00
30		1,2,4-Trichlorobenzene	40.000	38.158	4.6	129	0.00
31		Naphthalene	40.000	37.620	6.0	127	0.00
32		Benzoic acid	40.000	36.597	8.5	119	-0.04
33		4-Chloroaniline	40.000	38.176	4.6	127	0.00
34	C	Hexachlorobutadiene	40.000	37.659	5.9	125	-0.01
35		Caprolactam	40.000	35.597	11.0	116	-0.03
36	C	4-Chloro-3-methylphenol	40.000	36.092	9.8	120	-0.01
37		2-Methylnaphthalene	40.000	37.247	6.9	126	0.00
38		1-Methylnaphthalene	40.000	36.911	7.7	124	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	123	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.904	2.7	125	-0.01
41	P	Hexachlorocyclopentadiene	40.000	36.693	8.3	112	0.00
42	S	2,4,6-Tribromophenol	80.000	69.200	13.5	112	-0.01
43	C	2,4,6-Trichlorophenol	40.000	38.731	3.2	125	0.00
44		2,4,5-Trichlorophenol	40.000	37.340	6.6	119	0.00
45	S	2-Fluorobiphenyl	80.000	72.639	9.2	120	-0.01
46		1,1'-Biphenyl	40.000	37.858	5.4	123	-0.01
47		2-Chloronaphthalene	40.000	38.809	3.0	126	-0.01

Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.002	7.5	117	-0.01
49		Acenaphthylene	40.000	37.446	6.4	121	-0.01
50		Dimethylphthalate	40.000	35.637	10.9	116	-0.01
51		2,6-Dinitrotoluene	40.000	36.299	9.3	114	0.00
52	C	Acenaphthene	40.000	36.776	8.1	120	-0.01
53		3-Nitroaniline	40.000	35.071	12.3	113	-0.01
54	P	2,4-Dinitrophenol	40.000	34.463	13.8	105	-0.01
55		Dibenzofuran	40.000	36.762	8.1	120	0.00
56	P	4-Nitrophenol	40.000	31.712	20.7	99	0.00
57		2,4-Dinitrotoluene	40.000	35.515	11.2	112	-0.01
58		Fluorene	40.000	36.090	9.8	119	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	35.916	10.2	114	0.00
60		Diethylphthalate	40.000	33.995	15.0	110	-0.02
61		4-Chlorophenyl-phenylether	40.000	36.211	9.5	119	-0.01
62		4-Nitroaniline	40.000	33.002	17.5	104	-0.02
63		Azobenzene	40.000	35.781	10.5	116	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.661	-1.7	108	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.762	0.6	115	-0.01
67		4-Bromophenyl-phenylether	40.000	40.455	-1.1	118	0.00
68		Hexachlorobenzene	40.000	40.231	-0.6	115	-0.01
69		Atrazine	40.000	36.910	7.7	103	0.00
70	C	Pentachlorophenol	40.000	36.574	8.6	101	0.00
71		Phenanthrene	40.000	37.897	5.3	110	0.00
72		Anthracene	40.000	38.423	3.9	111	0.00
73		Carbazole	40.000	36.327	9.2	104	0.00
74		Di-n-butylphthalate	40.000	35.376	11.6	101	-0.01
75	C	Fluoranthene	40.000	35.231	11.9	103	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	123	0.00
77		Benzidine	40.000	36.988	7.5	106	0.00
78		Pyrene	40.000	33.506	16.2	103	0.00
79	S	Terphenyl-d14	80.000	65.361	18.3	103	0.00
80		Butylbenzylphthalate	40.000	40.867	-2.2	123	0.00
81		Benzo(a)anthracene	40.000	36.524	8.7	117	0.00
82		3,3'-Dichlorobenzidine	40.000	45.876	-14.7	141	0.00
83		Chrysene	40.000	39.420	1.4	127	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	50.356	-25.9#	152	0.00
85	c	Di-n-octyl phthalate	40.000	49.395	-23.5#	155	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	143	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.762	8.1	136	-0.01
88		Benzo(b)fluoranthene	40.000	37.359	6.6	140	0.00
89		Benzo(k)fluoranthene	40.000	36.053	9.9	137	0.00
90	C	Benzo(a)pyrene	40.000	37.731	5.7	139	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.750	8.1	135	-0.02
92		Benzo(g,h,i)perylene	40.000	36.482	8.8	135	-0.02

Sample Results: **BF142640.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142640.D
Acq On : 06 Jun 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 06 13:20:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date/Time: 06/10/2025 04:48

Lab File ID: BM050262.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.199	1.232		2.8	
Benzaldehyde	0.995	0.967		-2.8	
Phenol-d6	1.578	1.600		1.4	
Phenol	1.670	1.704		2.0	20.0
bis(2-Chloroethyl)ether	1.343	1.373		2.2	
2-Chlorophenol	1.319	1.338		1.4	
2-Methylphenol	1.102	1.105		0.3	
2,2-oxybis(1-Chloropropane)	0.933	1.118		19.8	
Acetophenone	0.500	0.498		-0.4	
3+4-Methylphenols	1.474	1.472		-0.1	
n-Nitroso-di-n-propylamine	0.983	1.010	0.050	2.7	
Nitrobenzene-d5	0.385	0.405		5.2	
Hexachloroethane	0.555	0.579		4.3	
Nitrobenzene	0.350	0.366		4.6	
Isophorone	0.664	0.664		0.0	
2-Nitrophenol	0.151	0.156		3.3	20.0
2,4-Dimethylphenol	0.310	0.307		-1.0	
bis(2-Chloroethoxy)methane	0.434	0.449		3.5	
2,4-Dichlorophenol	0.287	0.284		-1.0	20.0
Naphthalene	1.034	1.006		-2.7	
4-Chloroaniline	0.441	0.433		-1.8	
Hexachlorobutadiene	0.190	0.181		-4.7	20.0
Caprolactam	0.091	0.088		-3.3	
4-Chloro-3-methylphenol	0.306	0.302		-1.3	20.0
2-Methylnaphthalene	0.624	0.605		-3.0	
Hexachlorocyclopentadiene	0.351	0.358	0.050	2.0	
2,4,6-Trichlorophenol	0.380	0.384		1.1	20.0
2-Fluorobiphenyl	1.477	1.442		-2.4	
2,4,5-Trichlorophenol	0.417	0.418		0.2	
1,1-Biphenyl	1.498	1.476		-1.5	
2-Chloronaphthalene	1.164	1.145		-1.6	
2-Nitroaniline	0.256	0.296		15.6	
Dimethylphthalate	1.353	1.338		-1.1	
Acenaphthylene	1.883	1.863		-1.1	
2,6-Dinitrotoluene	0.273	0.287		5.1	
3-Nitroaniline	0.304	0.322		5.9	
Acenaphthene	1.178	1.097		-6.9	20.0
2,4-Dinitrophenol	0.146	0.058	0.050	-60.3	
4-Nitrophenol	0.259	0.266	0.050	2.7	

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date/Time: 06/10/2025 04:48

Lab File ID: BM050262.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.723	1.686		-2.1	
2,4-Dinitrotoluene	0.360	0.377		4.7	
Diethylphthalate	1.342	1.344		0.1	
4-Chlorophenyl-phenylether	0.638	0.622		-2.5	
Fluorene	1.320	1.281		-3.0	
4-Nitroaniline	0.285	0.303		6.3	
4,6-Dinitro-2-methylphenol	0.109	0.068		-37.6	
n-Nitrosodiphenylamine	0.628	0.624		-0.6	20.0
2,4,6-Tribromophenol	0.227	0.228		0.4	
4-Bromophenyl-phenylether	0.213	0.212		-0.5	
Hexachlorobenzene	0.249	0.248		-0.4	
Atrazine	0.200	0.207		3.5	
Pentachlorophenol	0.162	0.224		38.3	20.0
Phenanthrene	1.143	1.117		-2.3	
Anthracene	1.143	1.125		-1.6	
Carbazole	1.041	1.038		-0.3	
Di-n-butylphthalate	1.133	1.226		8.2	
Fluoranthene	1.205	1.223		1.5	20.0
Pyrene	1.348	1.288		-4.5	
Terphenyl-d14	1.055	1.019		-3.4	
Butylbenzylphthalate	0.450	0.493		9.6	
3,3-Dichlorobenzidine	0.386	0.426		10.4	
Benzo(a)anthracene	1.266	1.246		-1.6	
Chrysene	1.204	1.189		-1.2	
Bis(2-ethylhexyl)phthalate	0.693	0.784		13.1	
Di-n-octyl phthalate	1.028	1.197		16.4	20.0
Benzo(b)fluoranthene	1.163	1.171		0.7	
Benzo(k)fluoranthene	1.187	1.165		-1.9	
Benzo(a)pyrene	1.093	1.115		2.0	20.0
Indeno(1,2,3-cd)pyrene	1.288	1.368		6.2	
Dibenzo(a,h)anthracene	1.045	1.119		7.1	
Benzo(g,h,i)perylene	1.046	1.121		7.2	
1,2,4,5-Tetrachlorobenzene	0.578	0.570		-1.4	
1,4-Dioxane	0.526	0.542		3.0	20.0
2,3,4,6-Tetrachlorophenol	0.361	0.354		-1.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	460715	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1877125	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	1070949	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1957349	20.000	ng	0.00
76) Chrysene-d12	21.368	240	1968381	20.000	ng	0.00
86) Perylene-d12	24.338	264	2090330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	2270046	82.193	ng	0.00
7) Phenol-d6	6.934	99	2948516	81.099	ng	0.00
23) Nitrobenzene-d5	8.916	82	3040809	84.250	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	977575	80.252	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	6176210	78.077	ng	0.00
79) Terphenyl-d14	19.762	244	8024971	77.259	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.275	88	499652	41.272	ng	90
3) Pyridine	3.669	79	1334057	42.552	ng	93
4) n-Nitrosodimethylamine	3.581	42	281321	43.394	ng	99
6) Aniline	7.092	93	1927647	40.106	ng	98
8) 2-Chlorophenol	7.334	128	1232483	40.570	ng	97
9) Benzaldehyde	6.904	77	890670	38.531	ng	96
10) Phenol	6.957	94	1570209	40.818	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	1265112	40.887	ng	96
12) 1,3-Dichlorobenzene	7.657	146	1325907	39.041	ng	98
13) 1,4-Dichlorobenzene	7.798	146	1367877	38.711	ng	98
14) 1,2-Dichlorobenzene	8.116	146	1317220	39.103	ng	99
15) Benzyl Alcohol	8.004	79	1053641	40.632	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1029783	47.910	ng	93
17) 2-Methylphenol	8.204	107	1018406	40.123	ng	99
18) Hexachloroethane	8.845	117	533391	41.682	ng	96
19) n-Nitroso-di-n-propyla...	8.575	70	931068	41.848	ng	98
20) 3+4-Methylphenols	8.534	107	1356508	39.946	ng	99
22) Acetophenone	8.581	105	1869192	39.858	ng	98
24) Nitrobenzene	8.957	77	1374442	41.871	ng	97
25) Isophorone	9.486	82	2493995	40.035	ng	98
26) 2-Nitrophenol	9.669	139	584953	41.282	ng	98
27) 2,4-Dimethylphenol	9.733	122	1152793	39.596	ng	100
28) bis(2-Chloroethoxy)met...	9.969	93	1683958	41.378	ng	99
29) 2,4-Dichlorophenol	10.198	162	1065409	39.545	ng	98
30) 1,2,4-Trichlorobenzene	10.416	180	1169668	39.014	ng	99
31) Naphthalene	10.604	128	3777854	38.926	ng	100
32) Benzoic acid	9.851	122	565798	30.923	ng	97
33) 4-Chloroaniline	10.704	127	1625729	39.291	ng	98
34) Hexachlorobutadiene	10.898	225	680166	38.141	ng	99
35) Caprolactam	11.492	113	329763	38.607	ng	88
36) 4-Chloro-3-methylphenol	11.833	107	1135589	39.501	ng	99
37) 2-Methylnaphthalene	12.216	142	2270117	38.773	ng	99
38) 1-Methylnaphthalene	12.439	142	2417639	38.905	ng	100
40) 1,2,4,5-Tetrachloroben...	12.586	216	1221487	39.499	ng	99
41) Hexachlorocyclopentadiene	12.574	237	767530	40.868	ng	99
43) 2,4,6-Trichlorophenol	12.821	196	822241	40.432	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.892	196	896098	40.133	ng	96
46) 1,1'-Biphenyl	13.233	154	3162089	39.432	ng	99
47) 2-Chloronaphthalene	13.269	162	2452782	39.343	ng	100
48) 2-Nitroaniline	13.468	65	634421	46.242	ng	92
49) Acenaphthylene	14.121	152	3990554	39.574	ng	100
50) Dimethylphthalate	13.863	163	2865663	39.566	ng	100
51) 2,6-Dinitrotoluene	13.968	165	614664	42.082	ng	94
52) Acenaphthene	14.463	154	2350065	37.260	ng	98
53) 3-Nitroaniline	14.292	138	690400	42.411	ng	99
54) 2,4-Dinitrophenol	14.492	184	124034	17.614	ng	91
55) Dibenzofuran	14.798	168	3611406	39.138	ng	100
56) 4-Nitrophenol	14.598	139	568795	41.052	ng	99
57) 2,4-Dinitrotoluene	14.751	165	808487	41.961	ng	92
58) Fluorene	15.445	166	2744828	38.838	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.021	232	758063m	39.241	ng	
60) Diethylphthalate	15.227	149	2879326	40.067	ng	100
61) 4-Chlorophenyl-phenyle...	15.445	204	1332679	39.017	ng	99
62) 4-Nitroaniline	15.457	138	649475	42.568	ng	97
63) Azobenzene	15.733	77	2958872	41.194	ng	97
65) 4,6-Dinitro-2-methylph...	15.515	198	264901	24.779	ng	95
66) n-Nitrosodiphenylamine	15.651	169	2442884	39.721	ng	100
67) 4-Bromophenyl-phenylether	16.333	248	828583	39.697	ng	98
68) Hexachlorobenzene	16.445	284	972175	39.865	ng	99
69) Atrazine	16.604	200	810041	41.337	ng	99
70) Pentachlorophenol	16.786	266	878713	55.421	ng	99
71) Phenanthrene	17.180	178	4374612	39.123	ng	99
72) Anthracene	17.268	178	4405600	39.385	ng	100
73) Carbazole	17.533	167	4064090	39.880	ng	100
74) Di-n-butylphthalate	18.115	149	4799970	43.289	ng	100
75) Fluoranthene	19.192	202	4786259	40.590	ng	100
77) Benzidine	19.374	184	2479851	44.801	ng	99
78) Pyrene	19.550	202	5069333	38.210	ng	100
80) Butylbenzylphthalate	20.462	149	1940495	43.849	ng	97
81) Benzo(a)anthracene	21.350	228	4905751	39.375	ng	100
82) 3,3'-Dichlorobenzidine	21.274	252	1678656	44.182	ng	99
83) Chrysene	21.409	228	4682061	39.507	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	3084575	45.251	ng	98
85) Di-n-octyl phthalate	22.427	149	4711085	46.575	ng	99
87) Indeno(1,2,3-cd)pyrene	27.697	276	5717703	42.482	ng	99
88) Benzo(b)fluoranthene	23.403	252	4894905	40.276	ng	99
89) Benzo(k)fluoranthene	23.468	252	4869113	39.246	ng	100
90) Benzo(a)pyrene	24.203	252	4660050	40.782	ng	99
91) Dibenzo(a,h)anthracene	27.762	278	4677689	42.817	ng	99
92) Benzo(g,h,i)perylene	28.738	276	4684760	42.844	ng	100

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

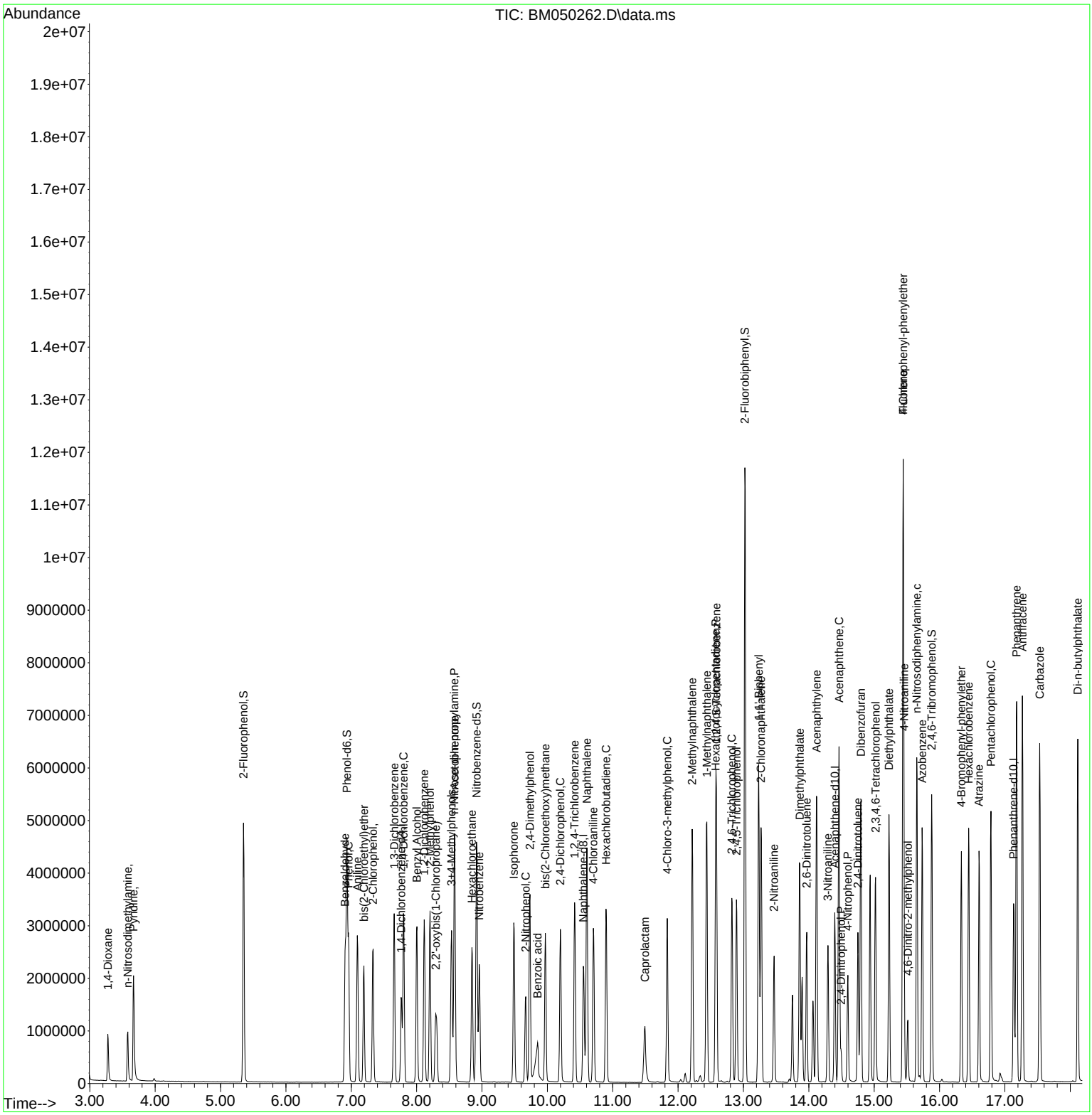
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



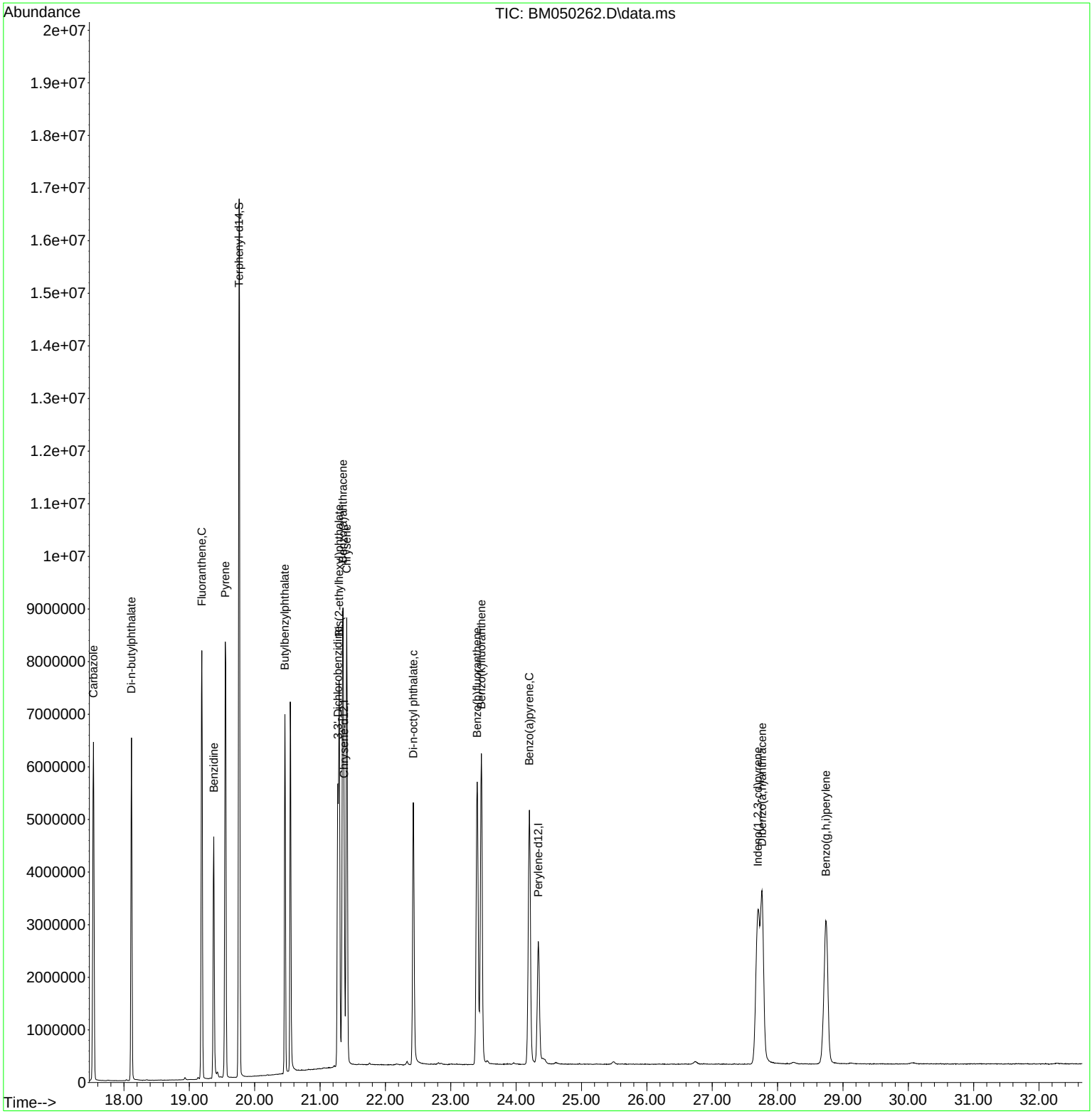
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

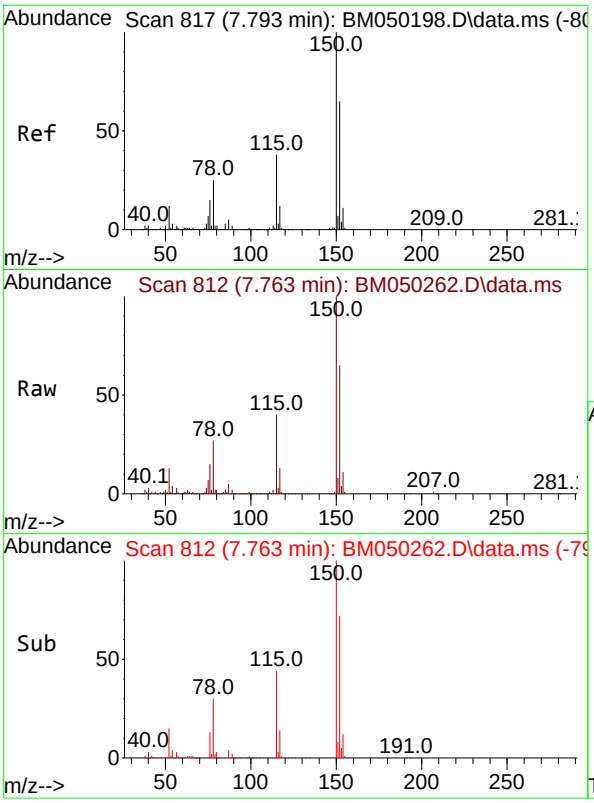
Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

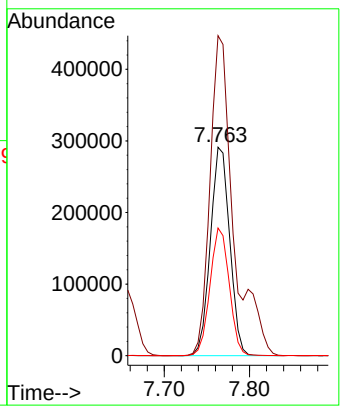




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:152 Resp: 46071

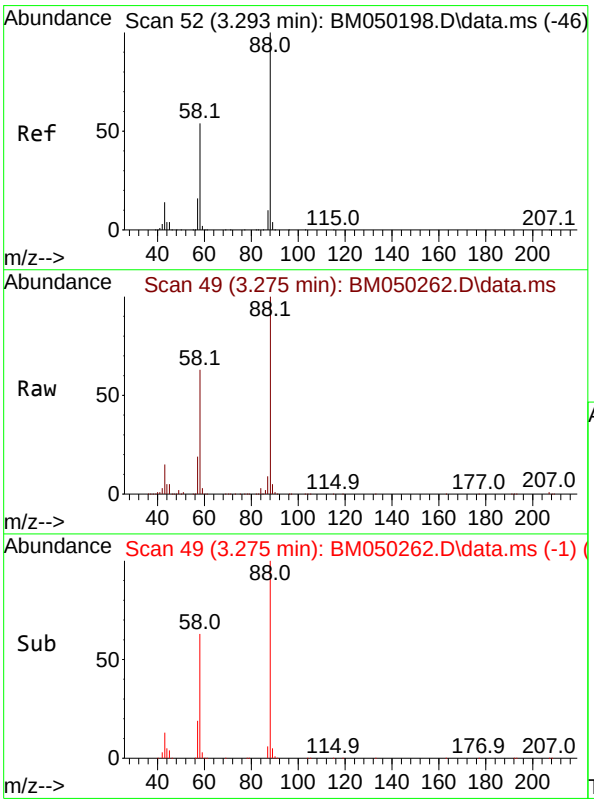
Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.2	183.4
115	61.2	46.3	69.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

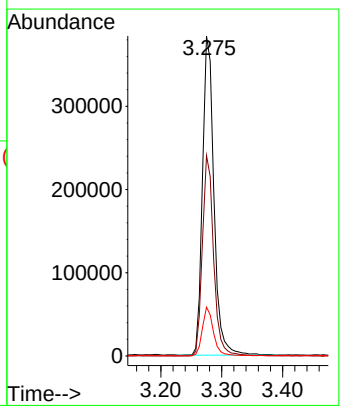
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

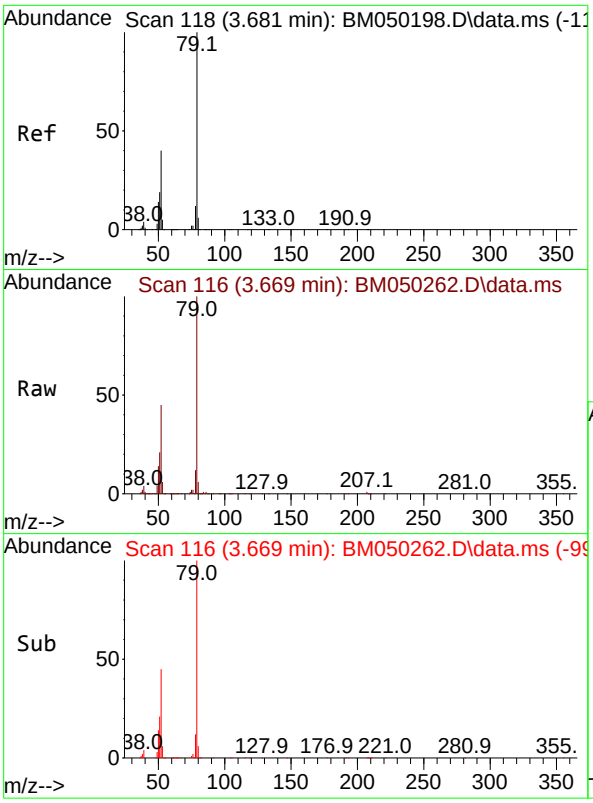


#2
1,4-Dioxane
Concen: 41.272 ng
RT: 3.275 min Scan# 49
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 88 Resp: 499652

Ion	Ratio	Lower	Upper
88	100		
58	61.9	42.9	64.3
43	15.1	11.0	16.6

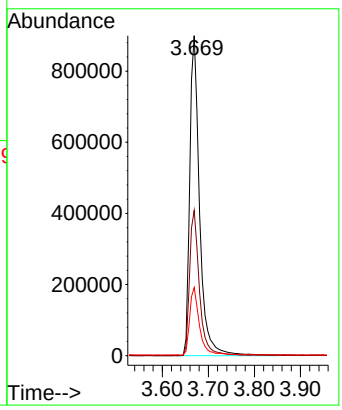




#3
Pyridine
Concen: 42.552 ng
RT: 3.669 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 79 Resp: 133405

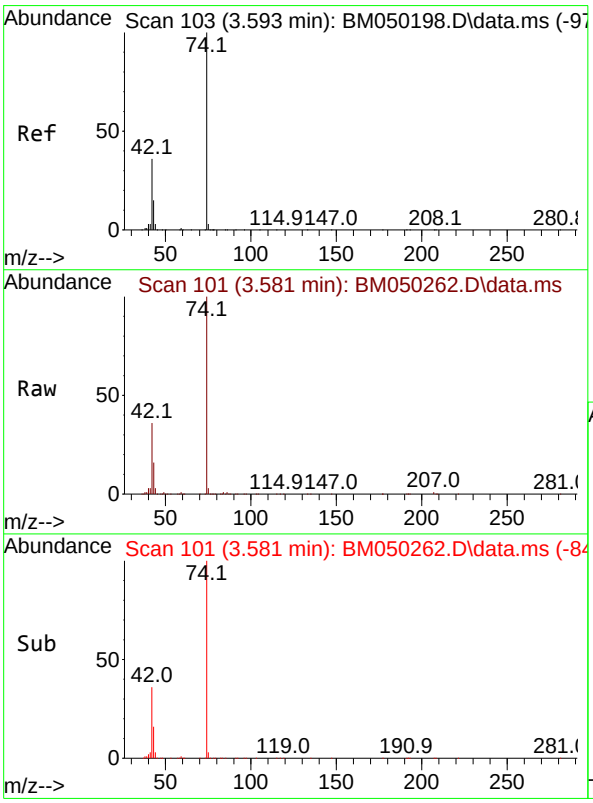
Ion	Ratio	Lower	Upper
79	100		
52	45.4	32.1	48.1
51	21.3	15.4	23.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

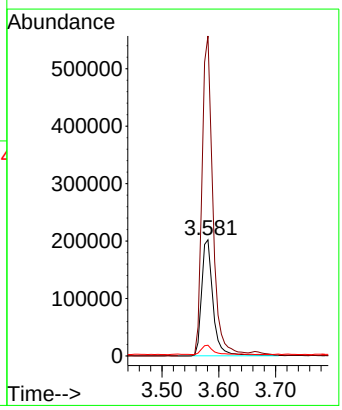
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

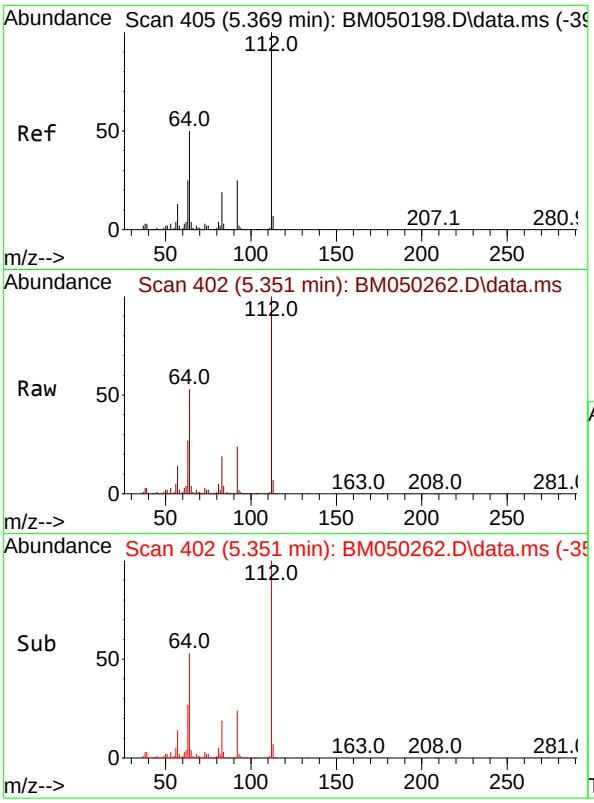


#4
n-Nitrosodimethylamine
Concen: 43.394 ng
RT: 3.581 min Scan# 101
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 42 Resp: 281321

Ion	Ratio	Lower	Upper
42	100		
74	275.6	222.0	333.0
44	9.2	7.0	10.6

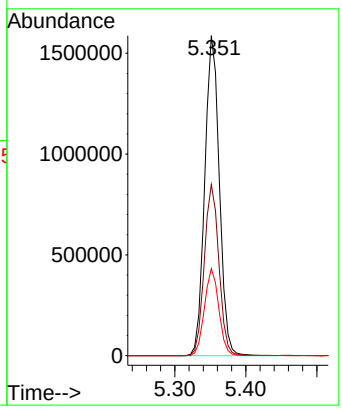




#5
2-Fluorophenol
Concen: 82.193 ng
RT: 5.351 min Scan# 4(
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:112 Resp: 227004(

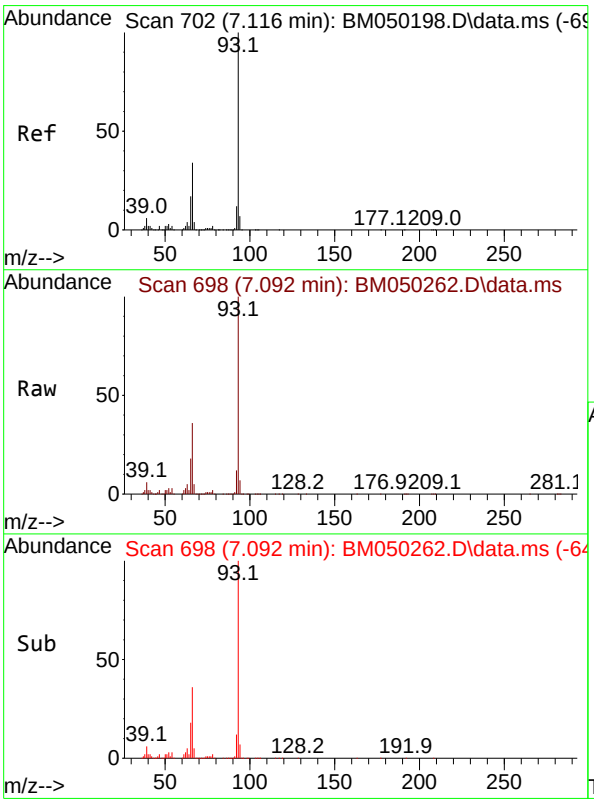
Ion	Ratio	Lower	Upper
112	100		
64	53.5	39.8	59.6
63	27.2	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

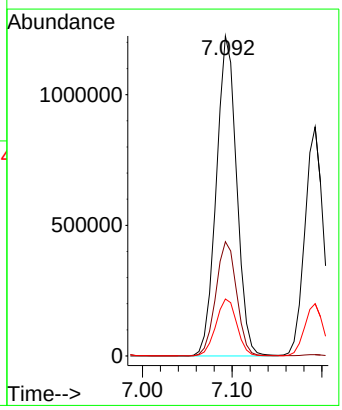
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

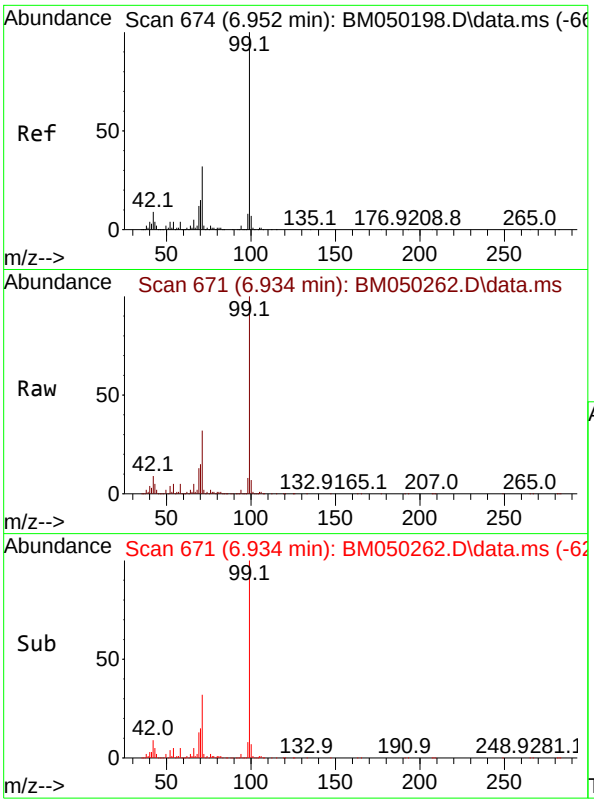


#6
Aniline
Concen: 40.106 ng
RT: 7.092 min Scan# 698
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 93 Resp: 1927647

Ion	Ratio	Lower	Upper
93	100		
66	35.7	27.4	41.2
65	17.8	13.6	20.4

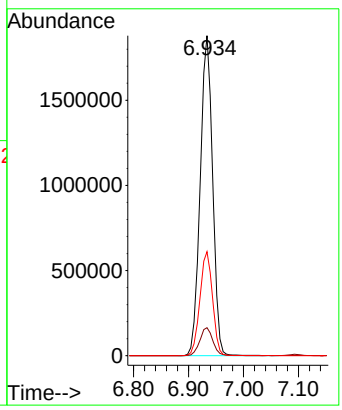




#7
Phenol-d6
Concen: 81.099 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 99 Resp: 294851

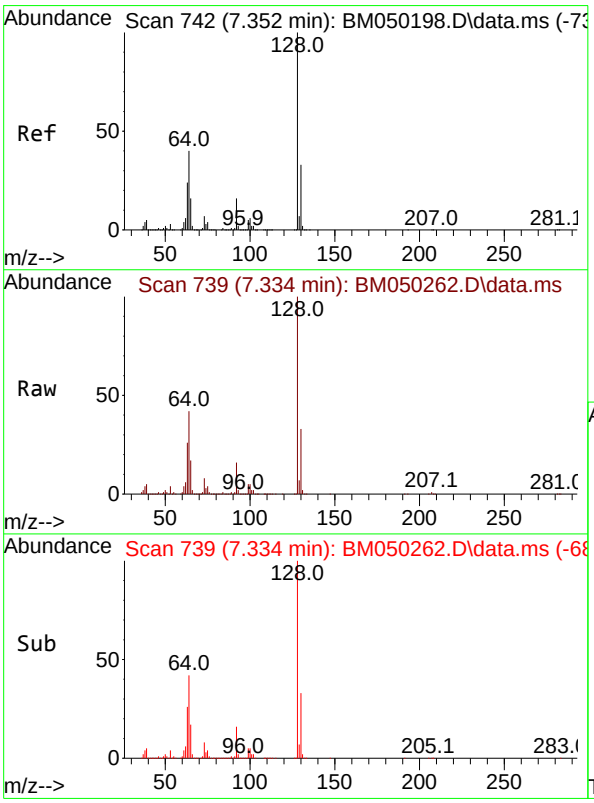
Ion	Ratio	Lower	Upper
99	100		
42	8.8	6.9	10.3
71	32.5	25.3	37.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

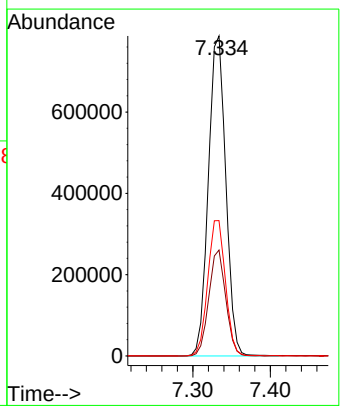
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

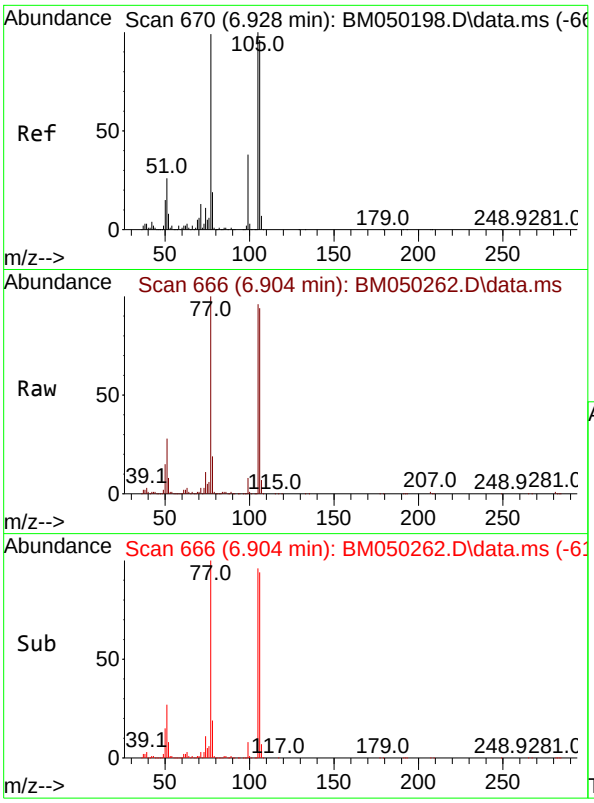


#8
2-Chlorophenol
Concen: 40.570 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:128 Resp: 1232483

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	42.3	19.8	59.8

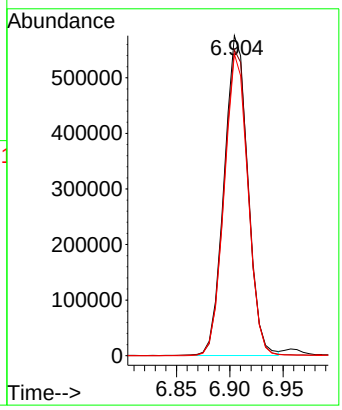




#9
Benzaldehyde
Concen: 38.531 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 77 Resp: 89067

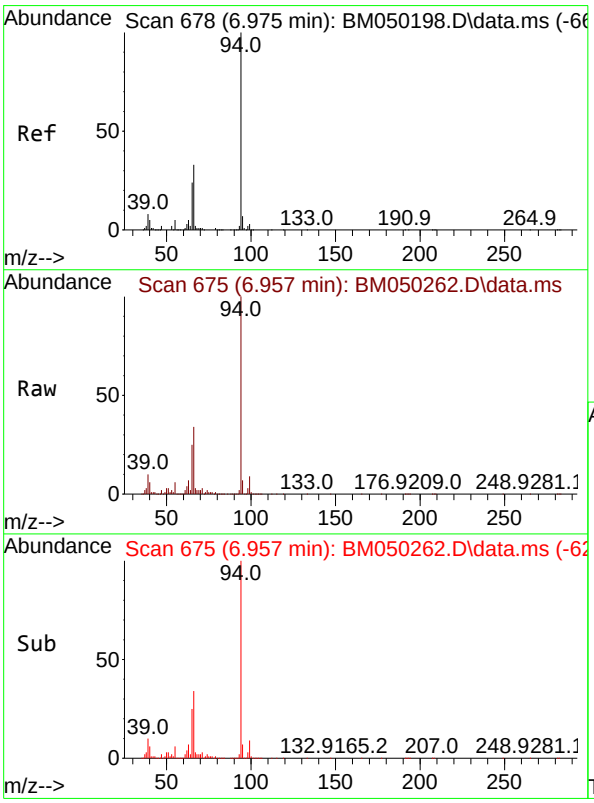
Ion	Ratio	Lower	Upper
77	100		
105	95.6	80.9	120.9
106	94.3	77.1	117.1



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

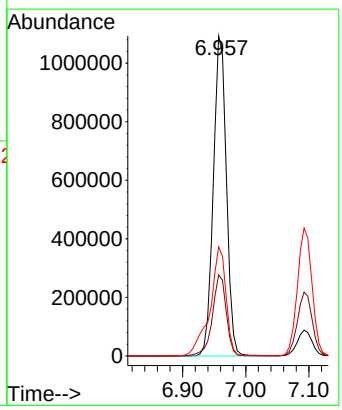
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

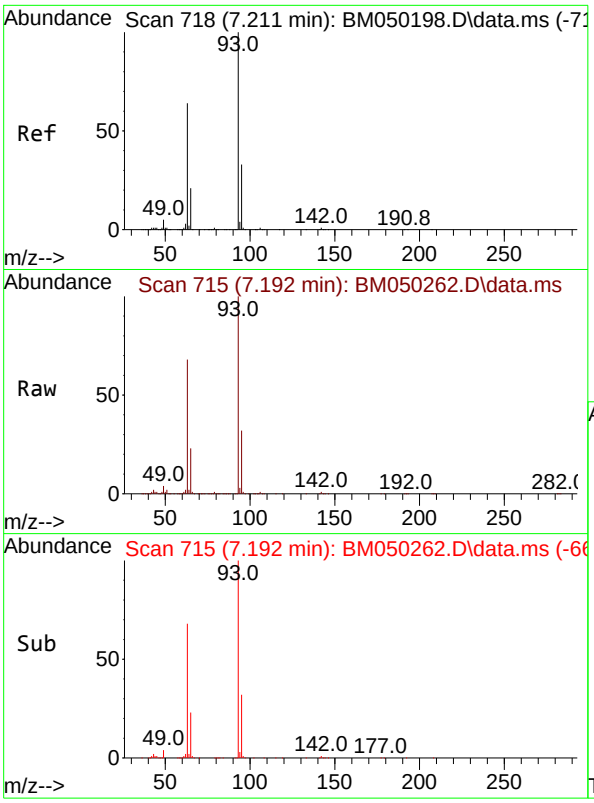


#10
Phenol
Concen: 40.818 ng
RT: 6.957 min Scan# 675
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 94 Resp: 1570209

Ion	Ratio	Lower	Upper
94	100		
65	25.3	4.3	44.3
66	34.1	12.9	52.9

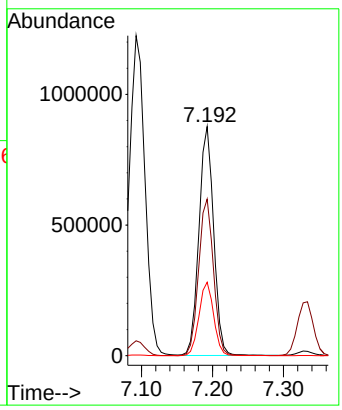




#11
bis(2-Chloroethyl)ether
Concen: 40.887 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 93 Resp: 126511

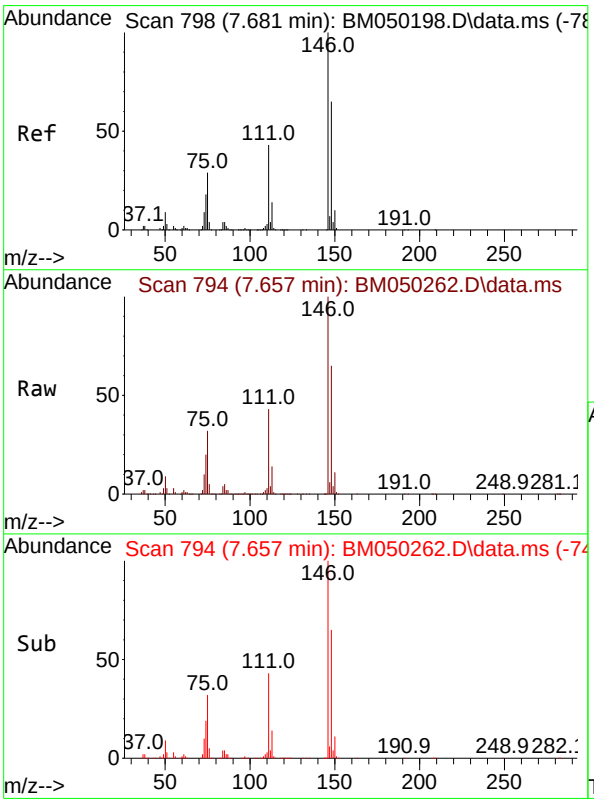
Ion	Ratio	Lower	Upper
93	100		
63	68.4	43.9	83.9
95	32.1	12.7	52.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

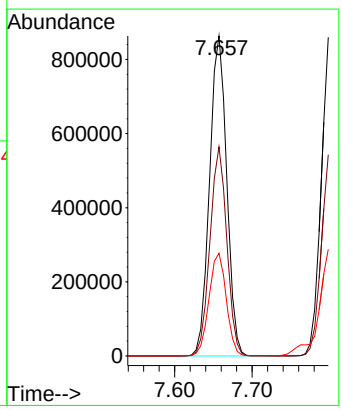
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

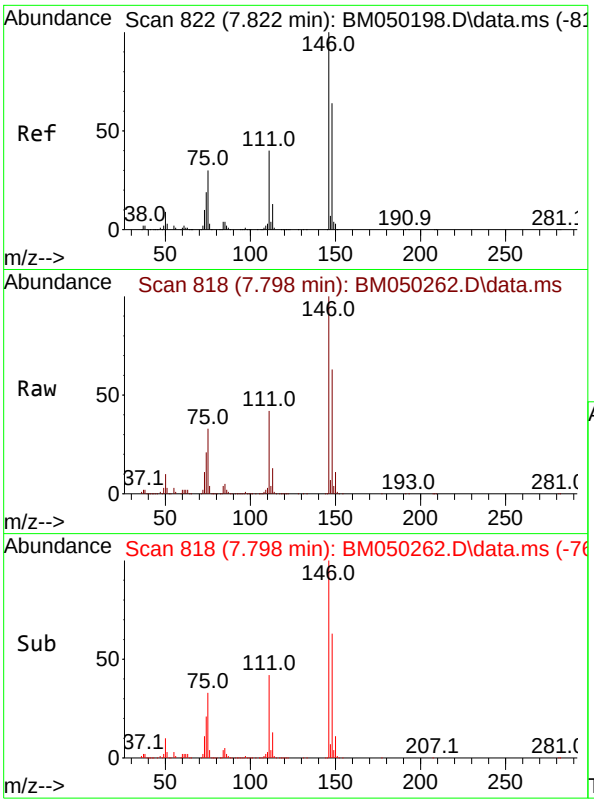


#12
1,3-Dichlorobenzene
Concen: 39.041 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:146 Resp: 1325907

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	32.1	23.4	35.0

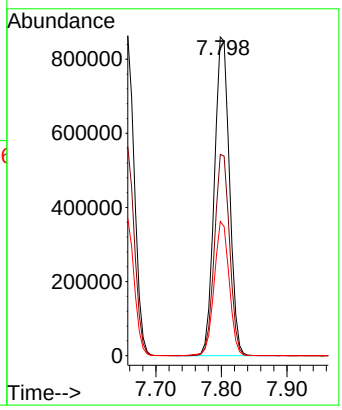




#13
1,4-Dichlorobenzene
Concen: 38.711 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:146 Resp: 136787

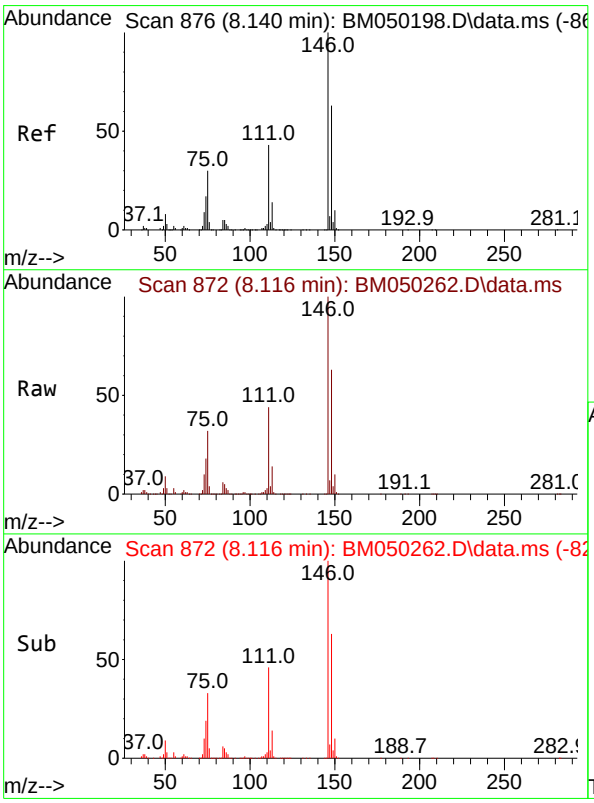
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.0
111	42.1	32.3	48.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

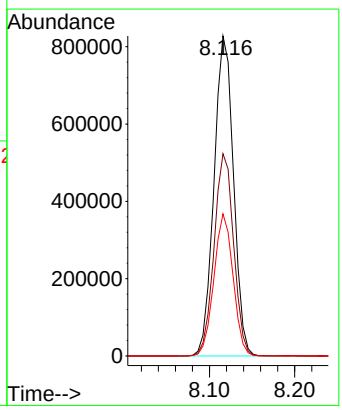
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

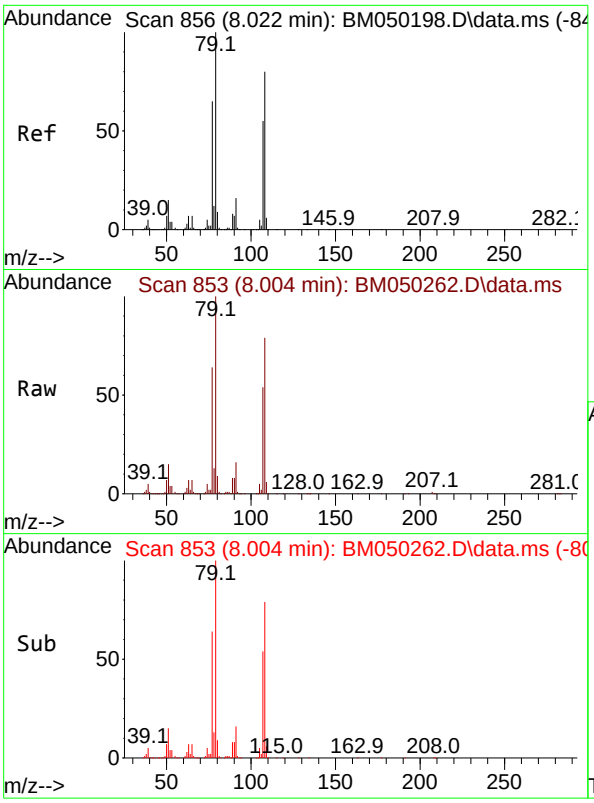


#14
1,2-Dichlorobenzene
Concen: 39.103 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:146 Resp: 1317220

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	44.4	34.3	51.5

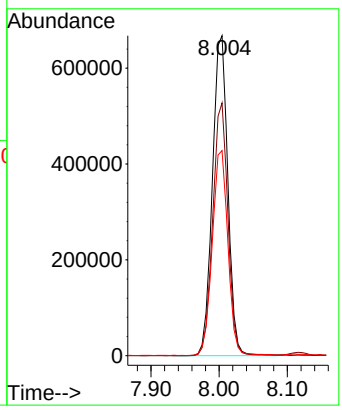




#15
Benzyl Alcohol
Concen: 40.632 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 79 Resp: 105364

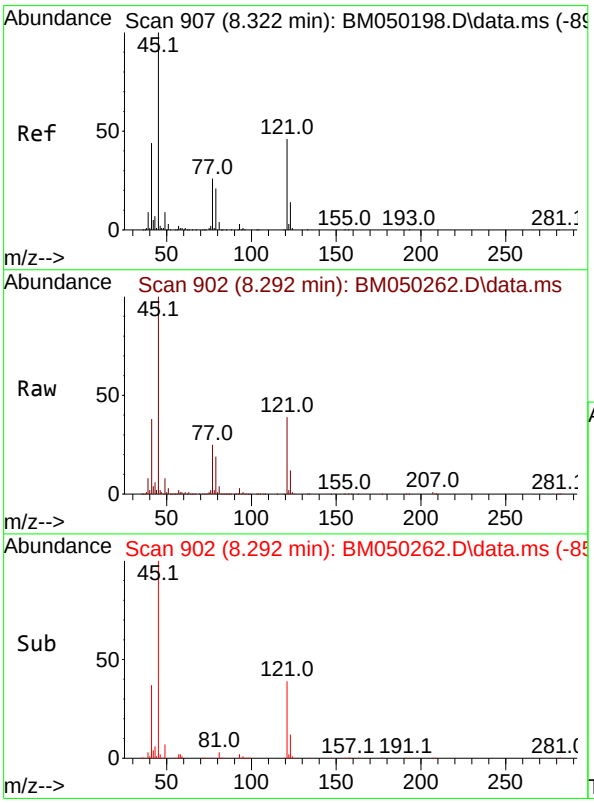
Ion	Ratio	Lower	Upper
79	100		
108	79.0	64.0	96.0
77	64.1	52.2	78.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

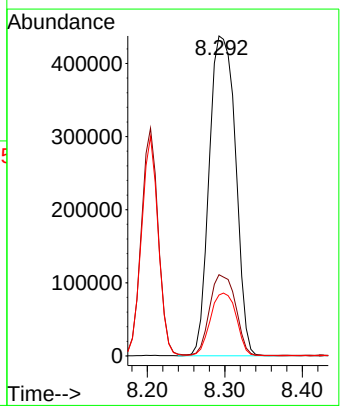
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

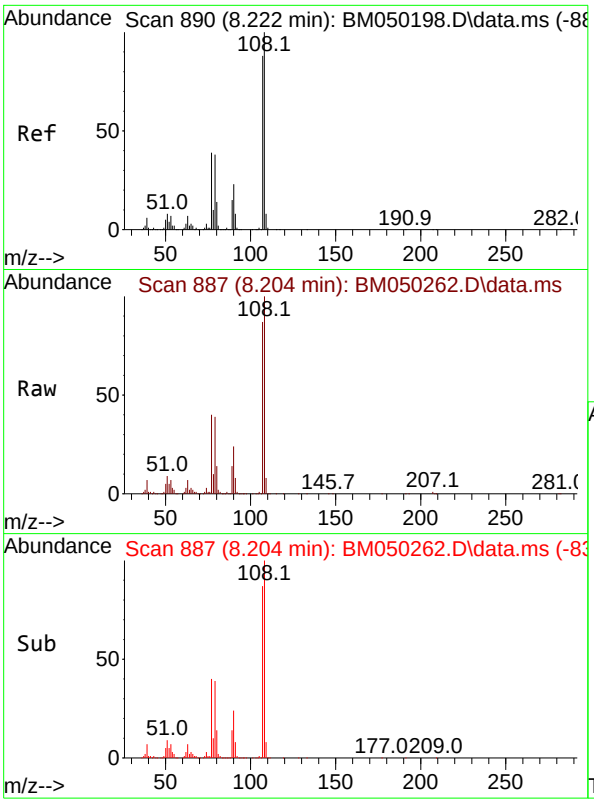


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.910 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 45 Resp: 1029783

Ion	Ratio	Lower	Upper
45	100		
77	25.4	8.7	48.7
79	19.1	2.7	42.7

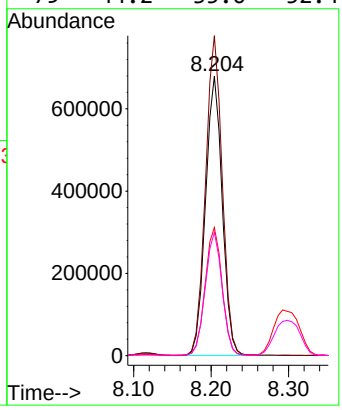




#17
2-Methylphenol
Concen: 40.123 ng
RT: 8.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:107 Resp: 101840

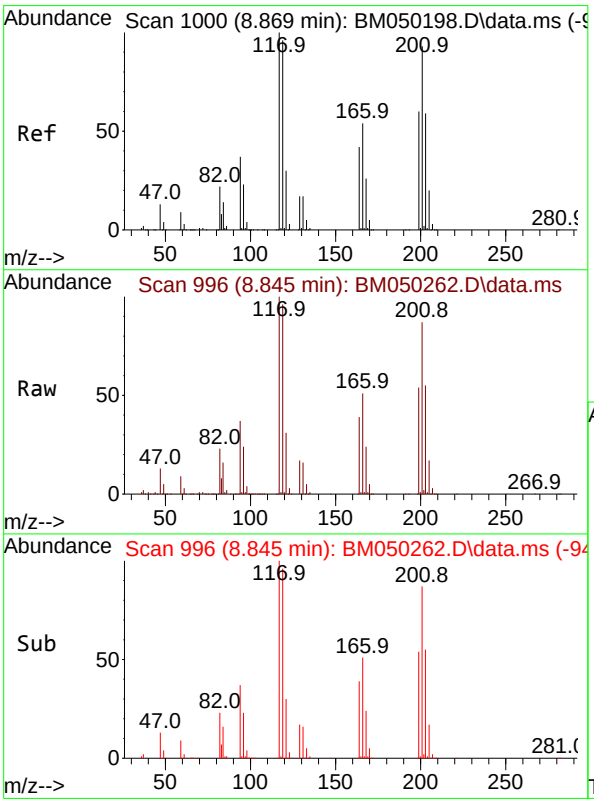
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.8	136.2
77	45.9	35.7	53.5
79	44.2	35.0	52.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

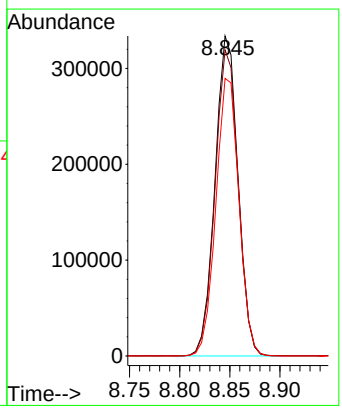
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

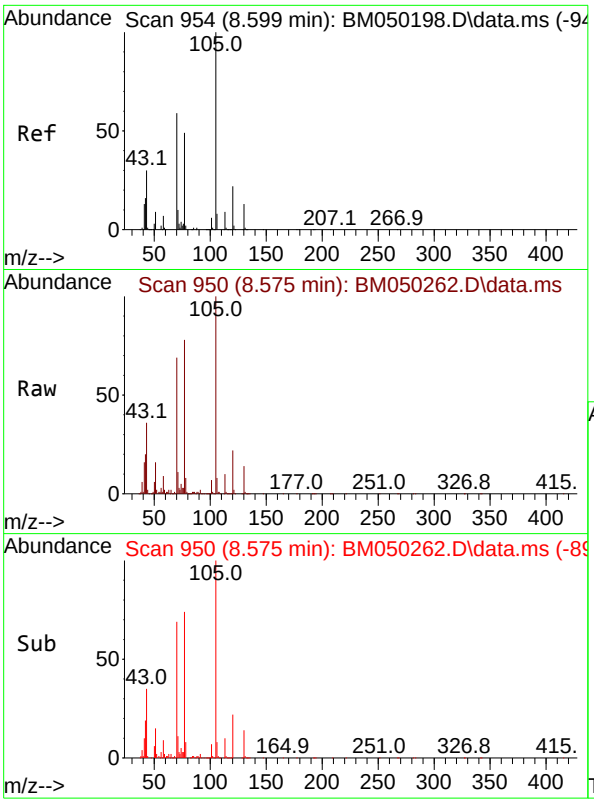


#18
Hexachloroethane
Concen: 41.682 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:117 Resp: 533391

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
201	86.7	74.6	111.8

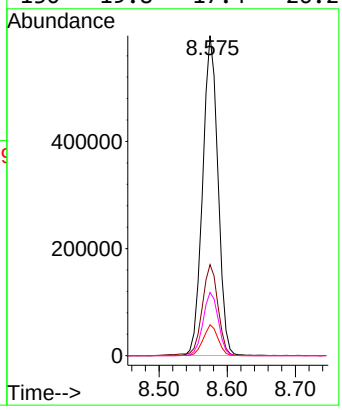




#19
n-Nitroso-di-n-propylamine
Concen: 41.848 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 70 Resp: 93106

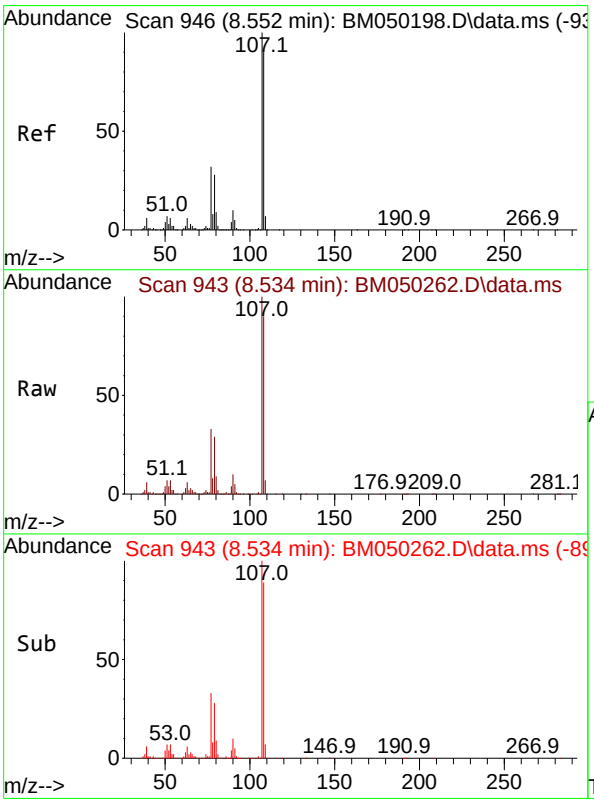
Ion	Ratio	Lower	Upper
70	100		
42	28.4	22.6	33.8
101	9.6	8.3	12.5
130	19.8	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

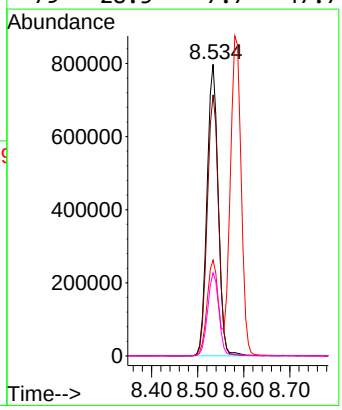
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

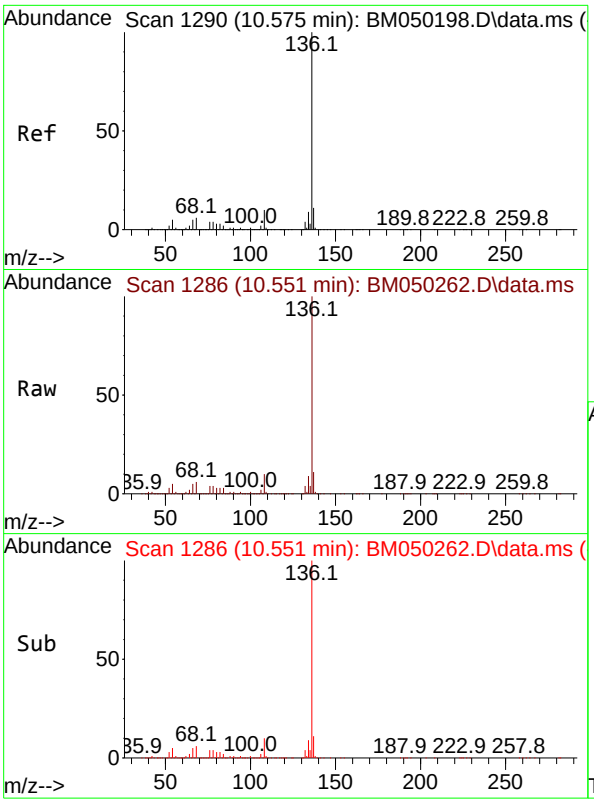


#20
3+4-Methylphenols
Concen: 39.946 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:107 Resp: 1356508

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.4	110.4
77	32.9	12.2	52.2
79	28.5	7.7	47.7

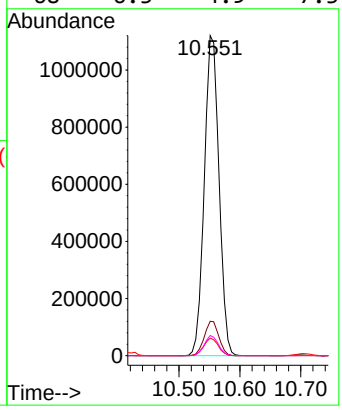




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:136 Resp: 187712

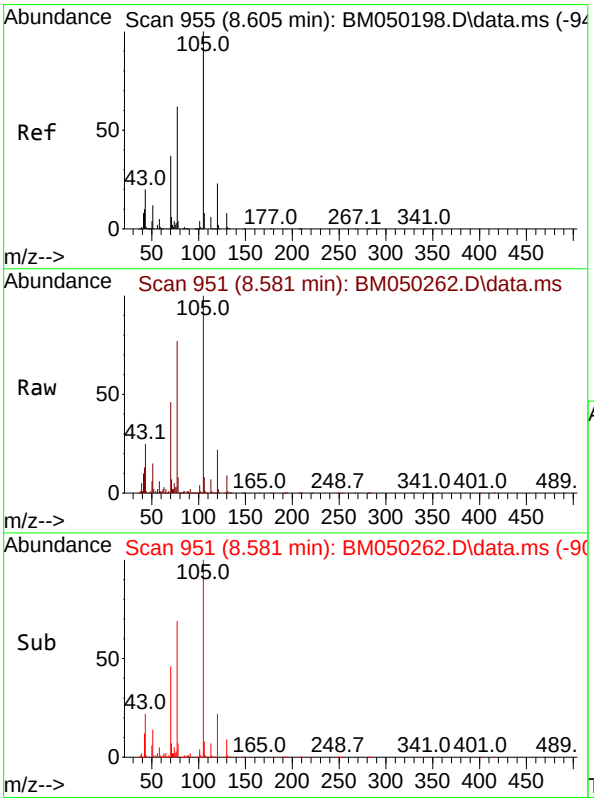
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	5.5	3.8	5.8
68	6.3	4.9	7.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

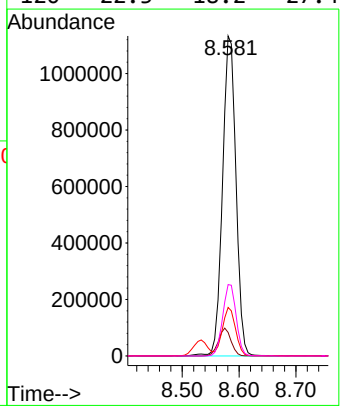
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

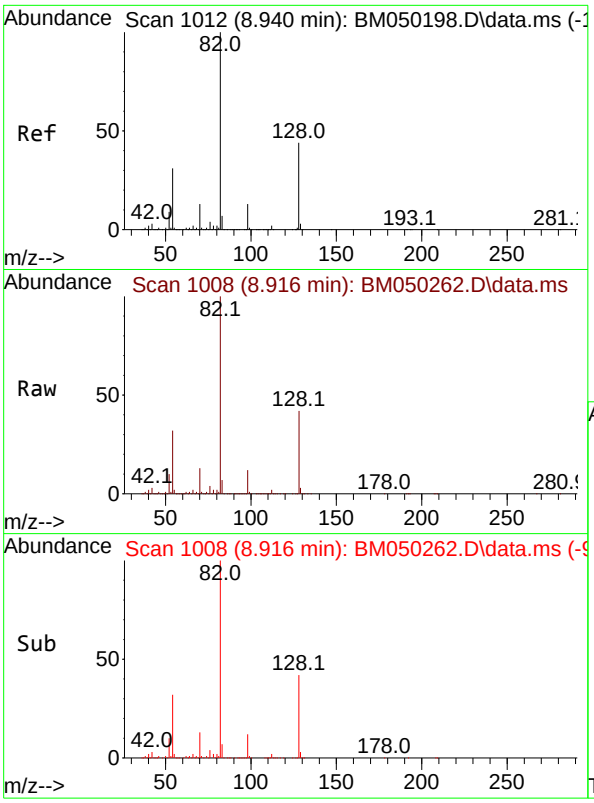


#22
Acetophenone
Concen: 39.858 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:105 Resp: 1869192

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.0	7.4
51	15.1	11.4	17.2
120	22.3	18.2	27.4

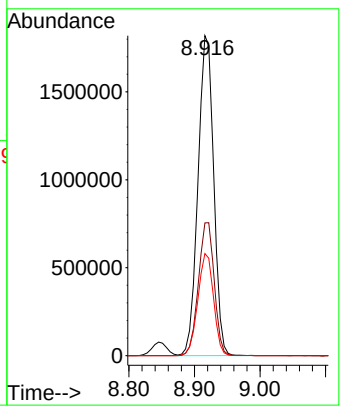




#23
Nitrobenzene-d5
Concen: 84.250 ng
RT: 8.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 82 Resp: 304080

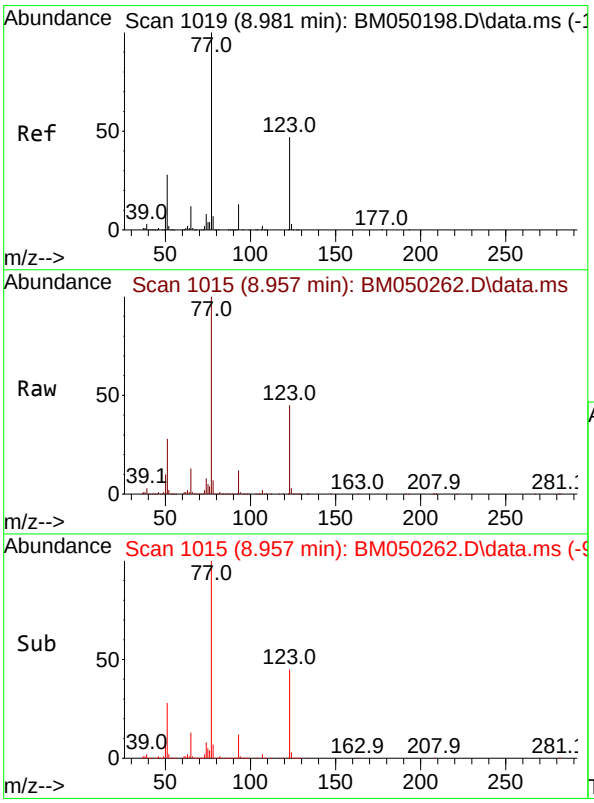
Ion	Ratio	Lower	Upper
82	100		
128	41.5	35.2	52.8
54	31.9	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

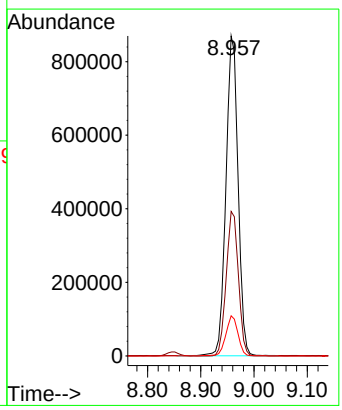
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

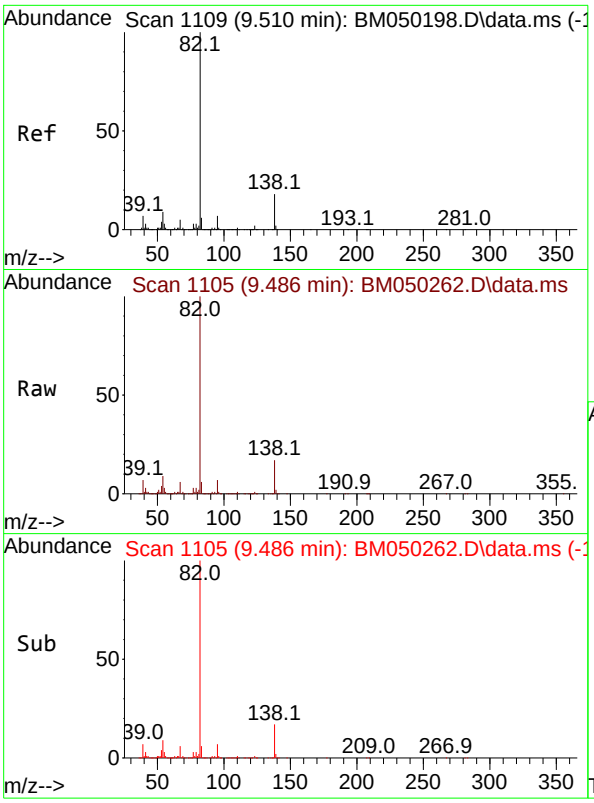


#24
Nitrobenzene
Concen: 41.871 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 77 Resp: 1374442

Ion	Ratio	Lower	Upper
77	100		
123	45.2	38.2	57.2
65	12.5	9.5	14.3

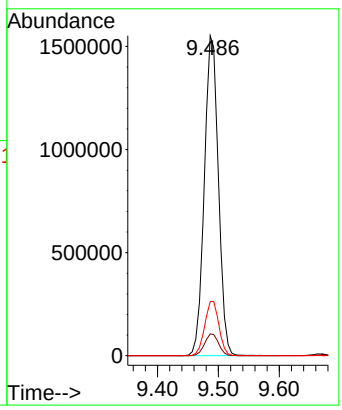




#25
Isophorone
Concen: 40.035 ng
RT: 9.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 82 Resp: 249399

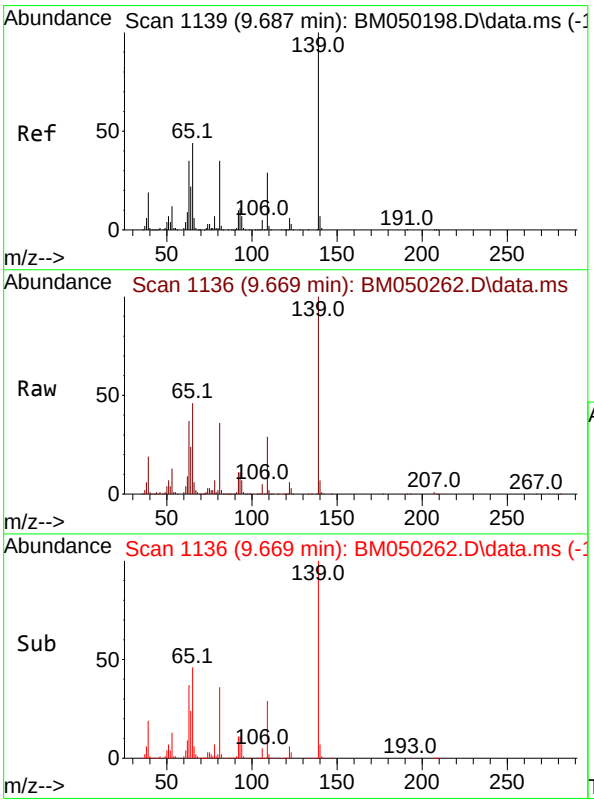
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.7	8.5
138	16.9	14.2	21.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

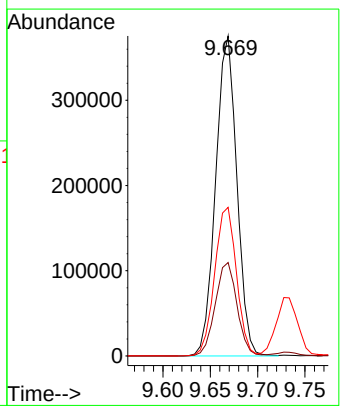
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

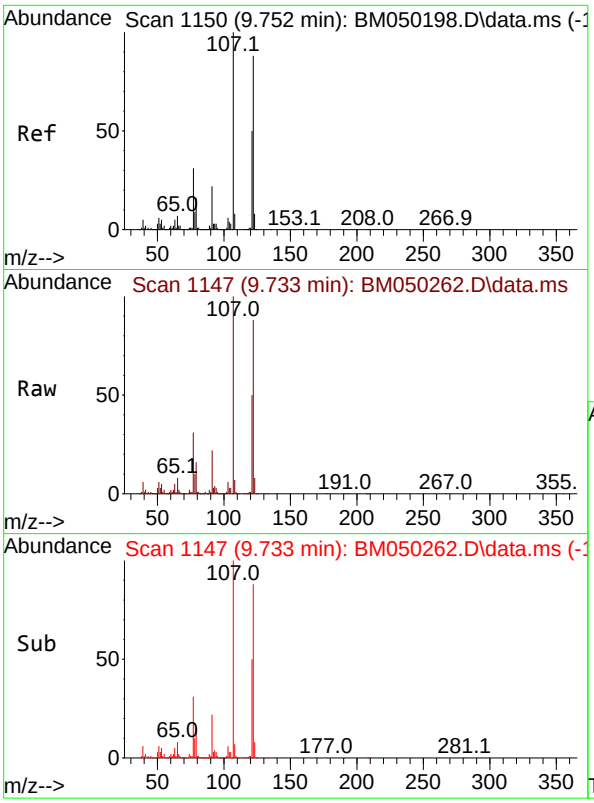


#26
2-Nitrophenol
Concen: 41.282 ng
RT: 9.669 min Scan# 1136
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:139 Resp: 584953

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.3	34.9
65	46.4	35.2	52.8

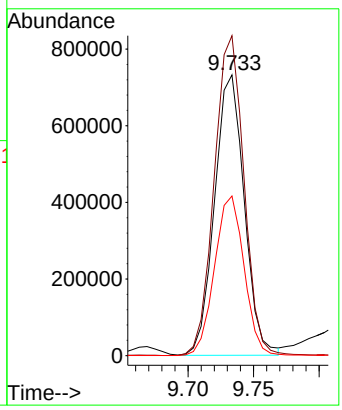




#27
2,4-Dimethylphenol
Concen: 39.596 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:122 Resp: 115279

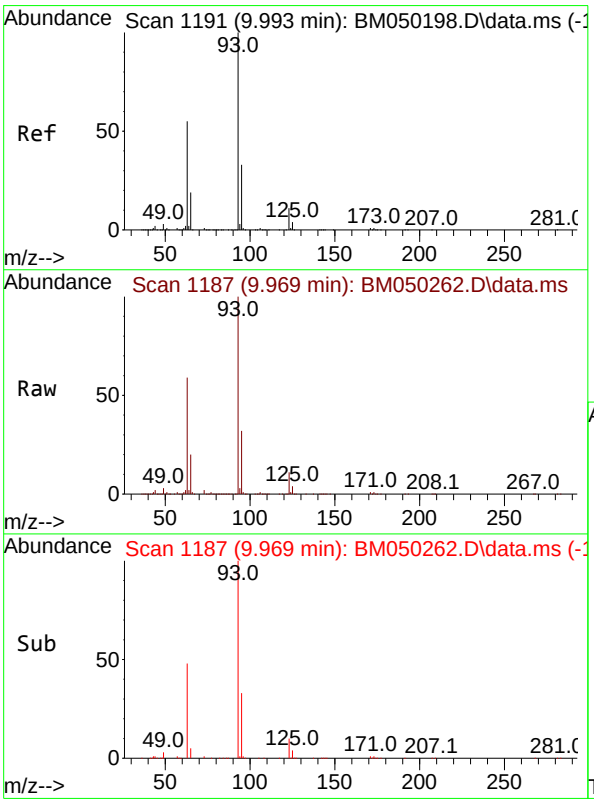
Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.0	136.6
121	56.9	45.8	68.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

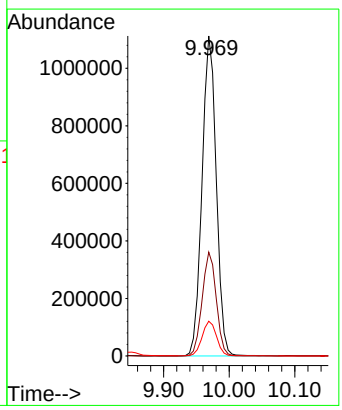
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

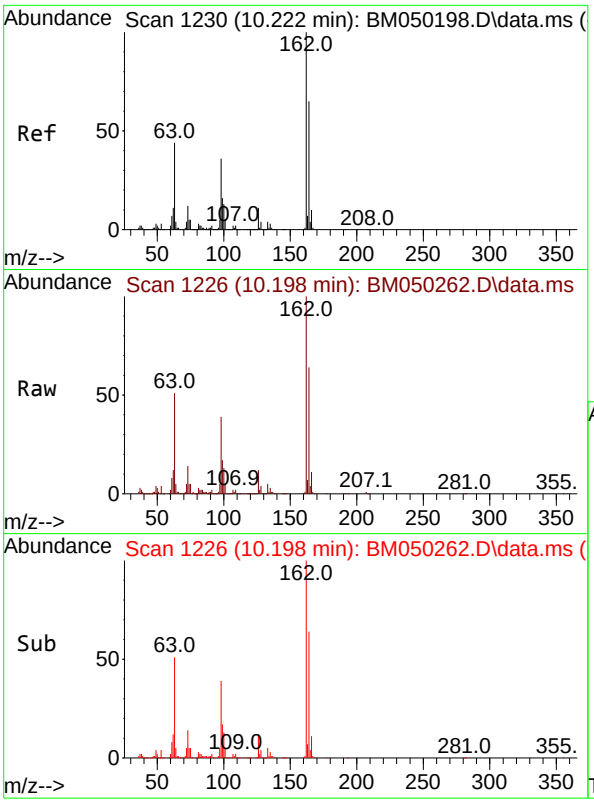


#28
bis(2-Chloroethoxy)methane
Concen: 41.378 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 93 Resp: 1683958

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	10.8	8.9	13.3

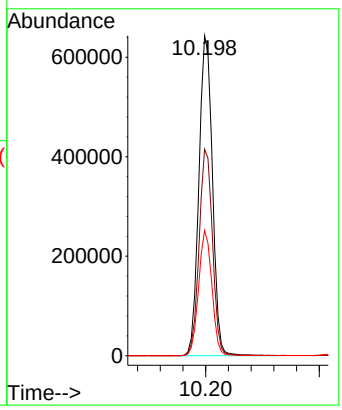




#29
2,4-Dichlorophenol
Concen: 39.545 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:162 Resp: 106540

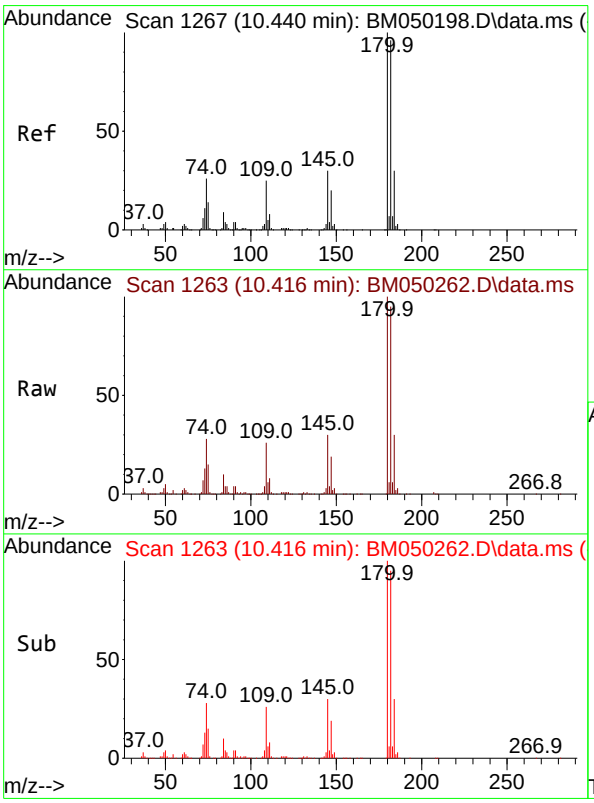
Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.0	85.0
98	39.1	16.3	56.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

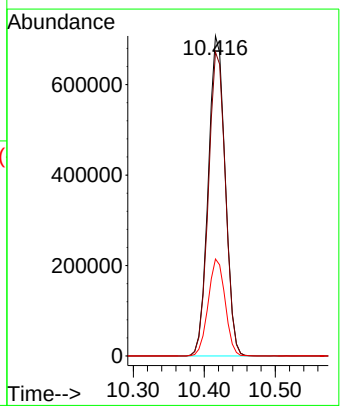
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

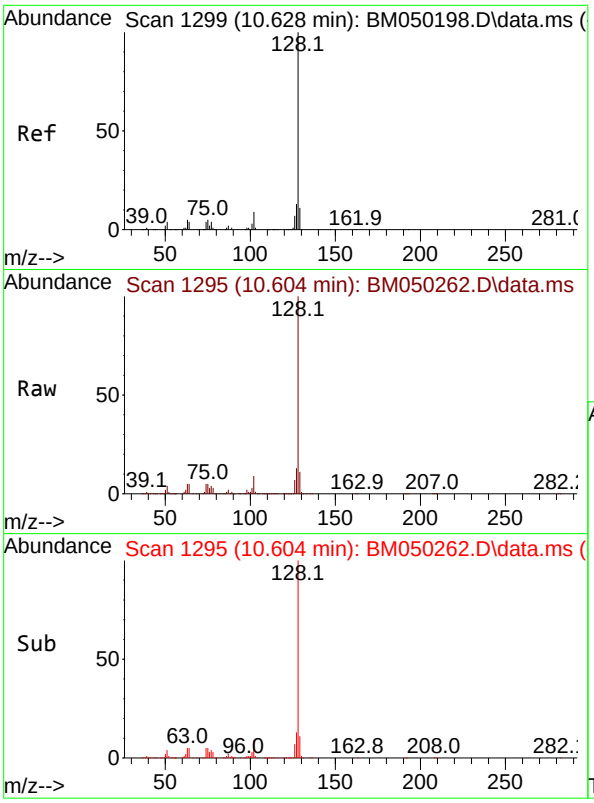


#30
1,2,4-Trichlorobenzene
Concen: 39.014 ng
RT: 10.416 min Scan# 1263
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:180 Resp: 1169668

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	30.3	24.2	36.4

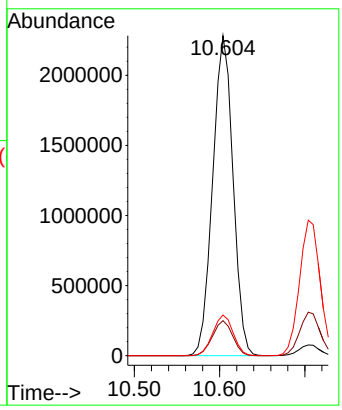




#31
Naphthalene
Concen: 38.926 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:128 Resp: 377785

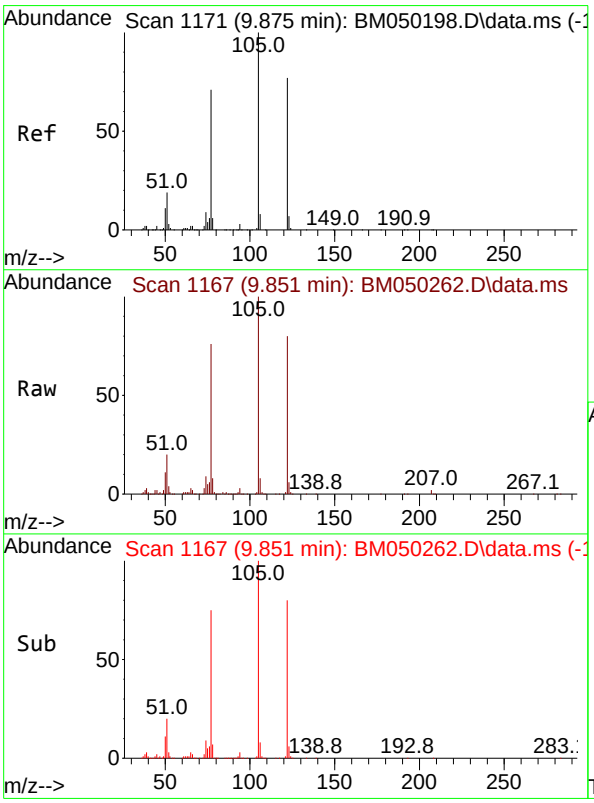
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	12.7	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

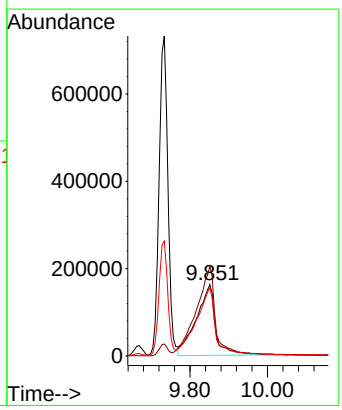
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

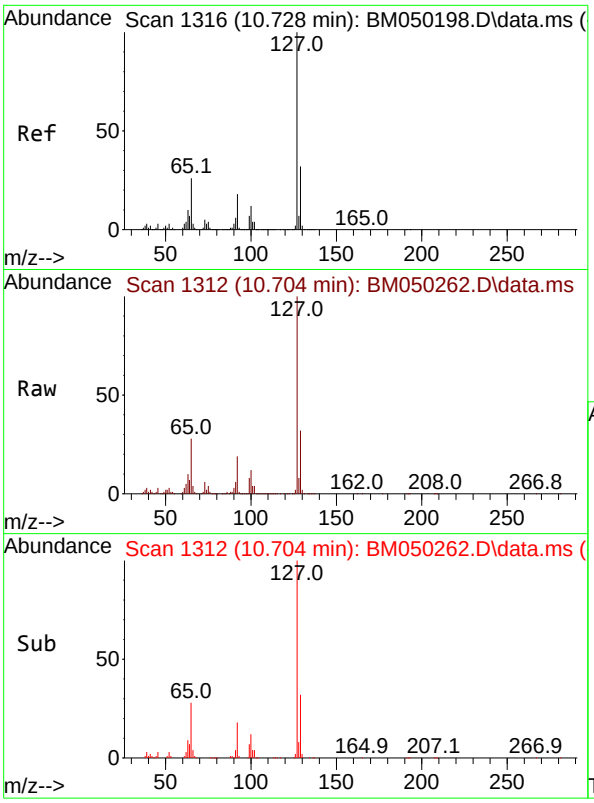


#32
Benzoic acid
Concen: 30.923 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:122 Resp: 565798

Ion	Ratio	Lower	Upper
122	100		
105	125.4	103.4	143.4
77	95.0	70.3	110.3

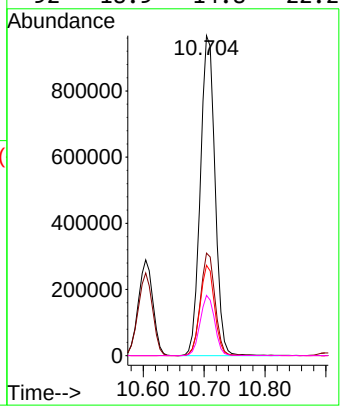




#33
4-Chloroaniline
Concen: 39.291 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:127 Resp: 162572

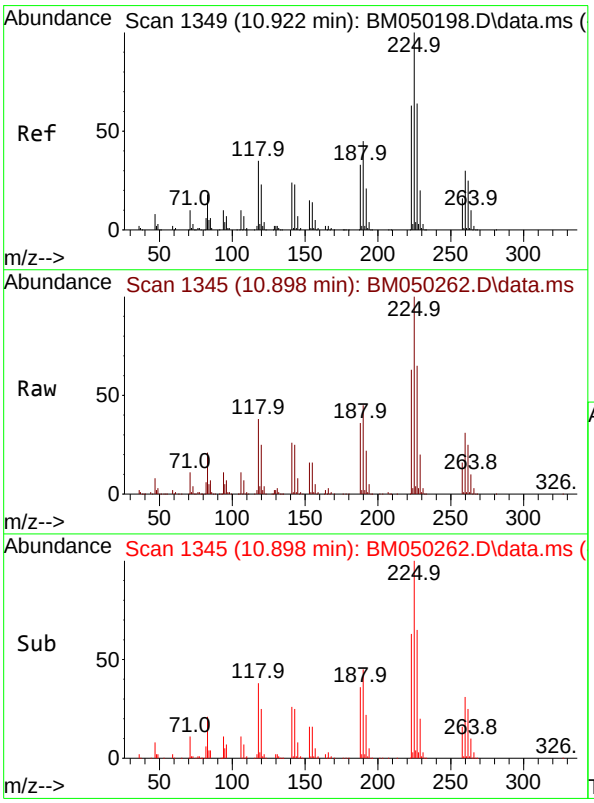
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.4	38.0
65	28.3	21.0	31.4
92	18.9	14.8	22.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

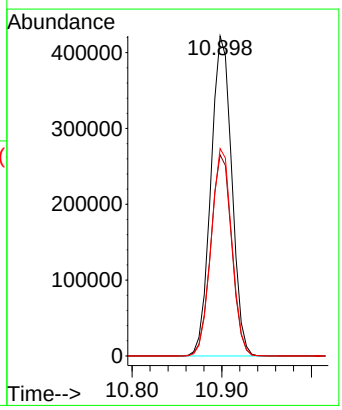
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

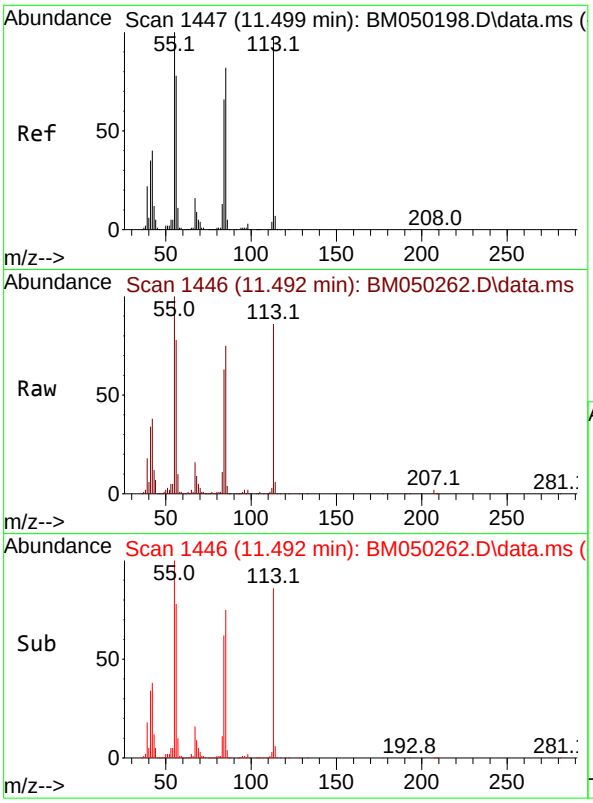


#34
Hexachlorobutadiene
Concen: 38.141 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:225 Resp: 680166

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	64.8	51.0	76.4





#35
Caprolactam
Concen: 38.607 ng
RT: 11.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

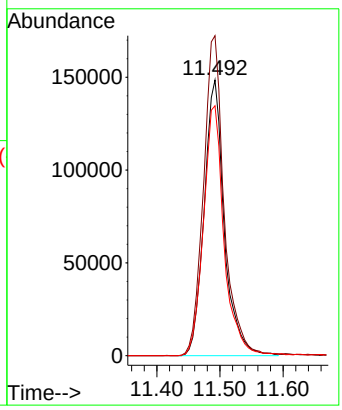
Tgt Ion:113 Resp: 32976

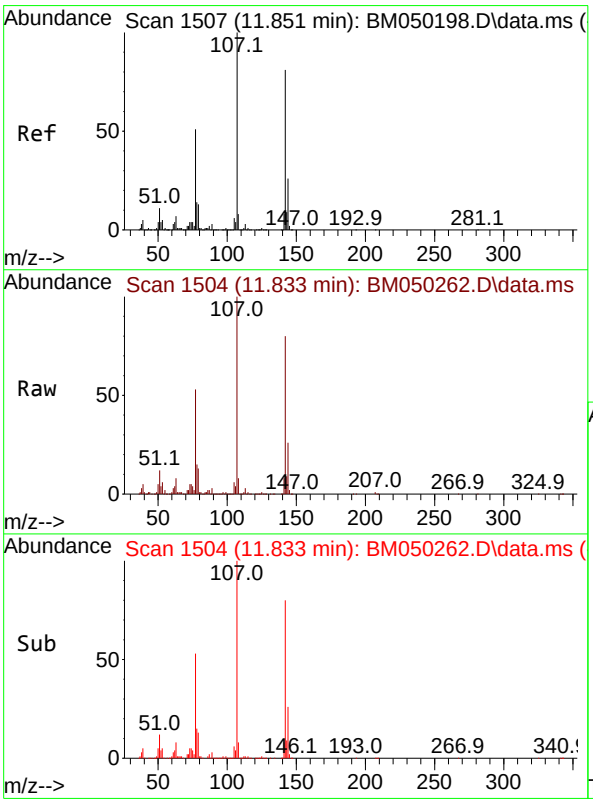
Ion	Ratio	Lower	Upper
113	100		
55	116.1	83.5	123.5
56	90.7	60.6	100.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

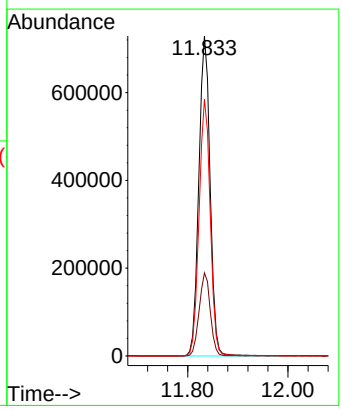


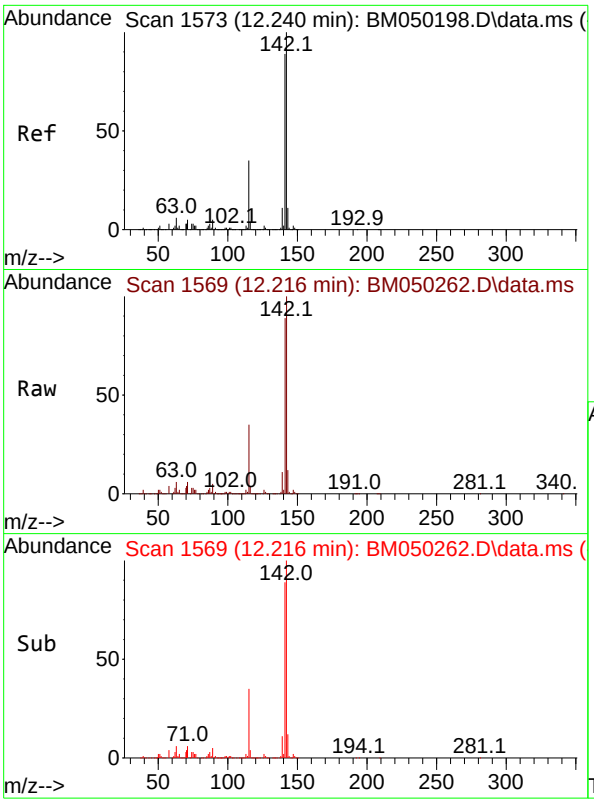


#36
4-Chloro-3-methylphenol
Concen: 39.501 ng
RT: 11.833 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:107 Resp: 1135589

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.0	31.6
142	80.2	64.8	97.2

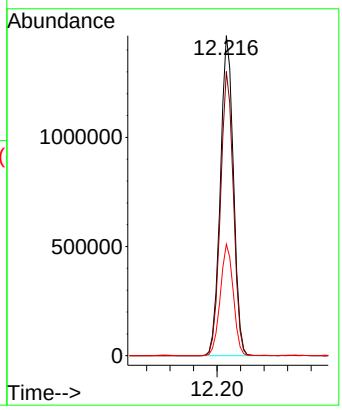




#37
2-Methylnaphthalene
Concen: 38.773 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:142 Resp: 227011

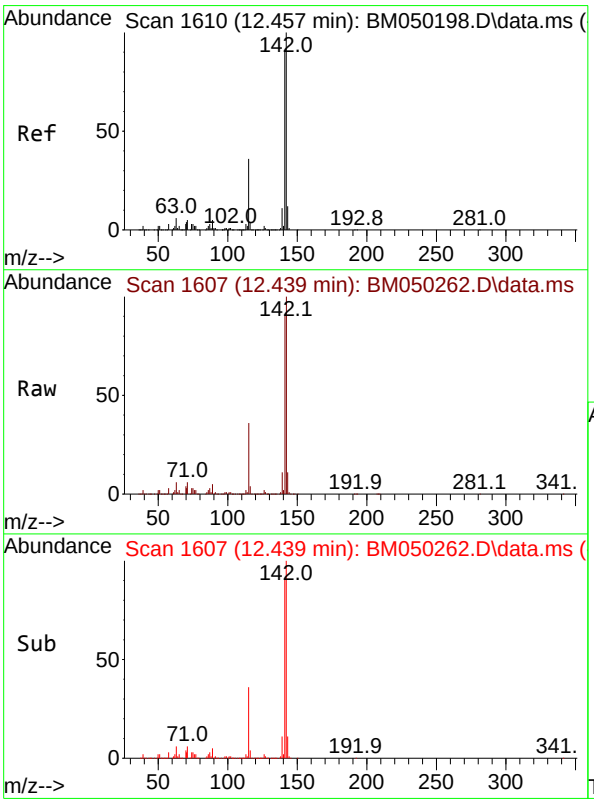
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.5	107.3
115	34.9	27.8	41.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

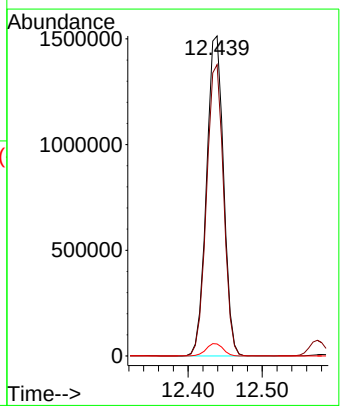
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

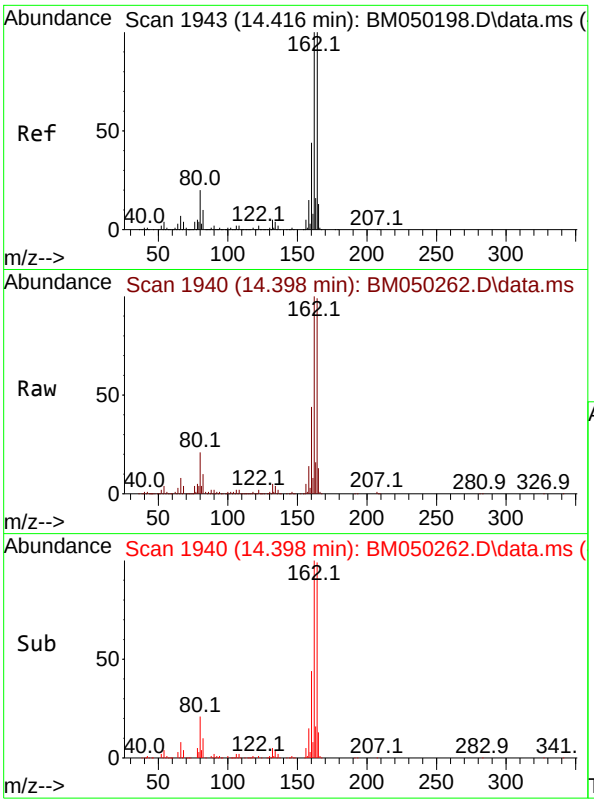


#38
1-Methylnaphthalene
Concen: 38.905 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:142 Resp: 2417639

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.9	109.3
116	3.8	3.0	4.6

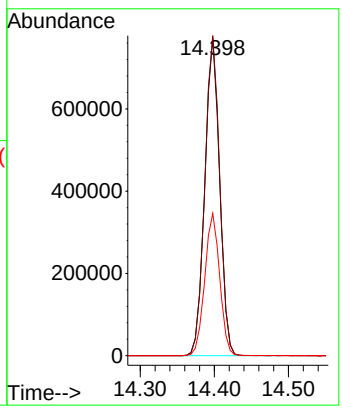




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:164 Resp: 107094

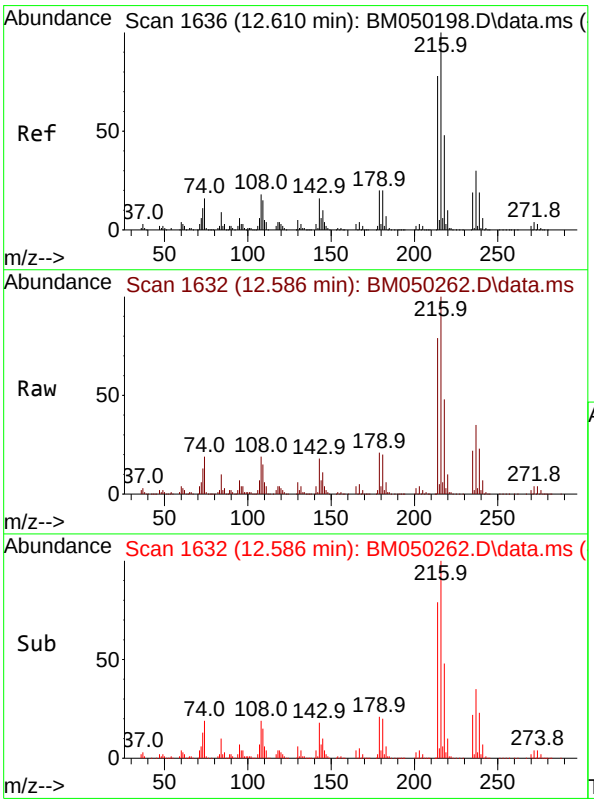
Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.4
160	44.8	35.7	53.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

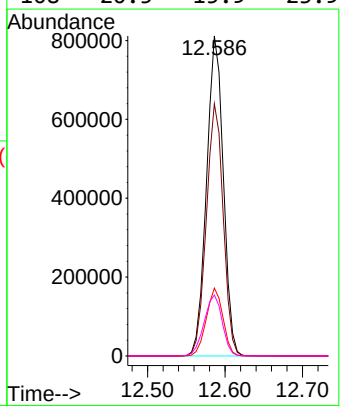
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

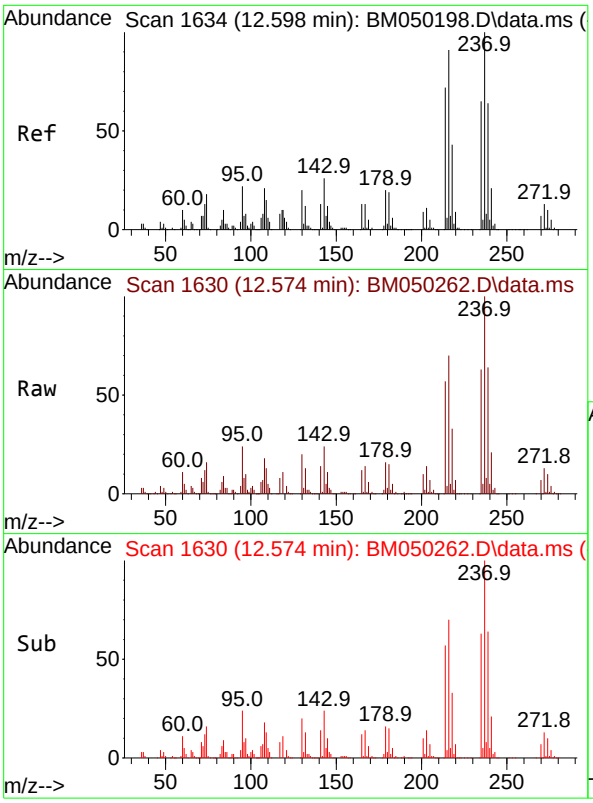


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.499 ng
RT: 12.586 min Scan# 1632
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:216 Resp: 1221487

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.1	16.6	25.0
108	20.5	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 40.868 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

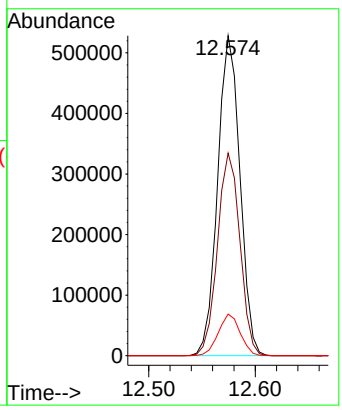
Tgt Ion:237 Resp: 76753

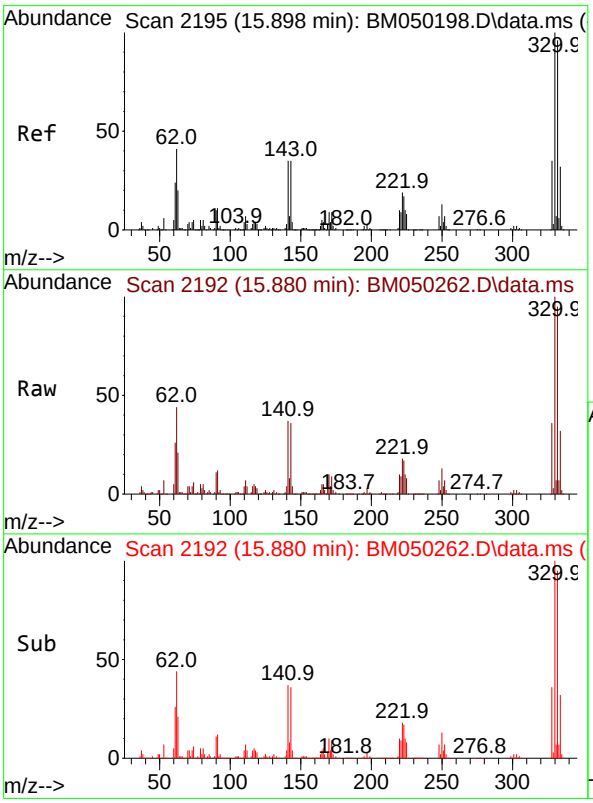
Ion	Ratio	Lower	Upper
237	100		
235	63.3	44.6	84.6
272	13.0	0.0	33.1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

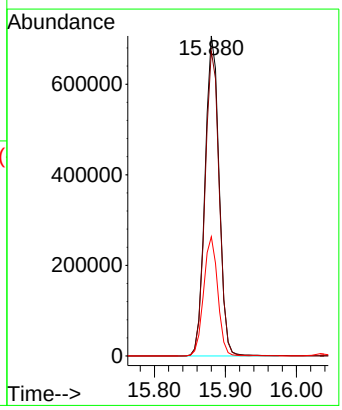


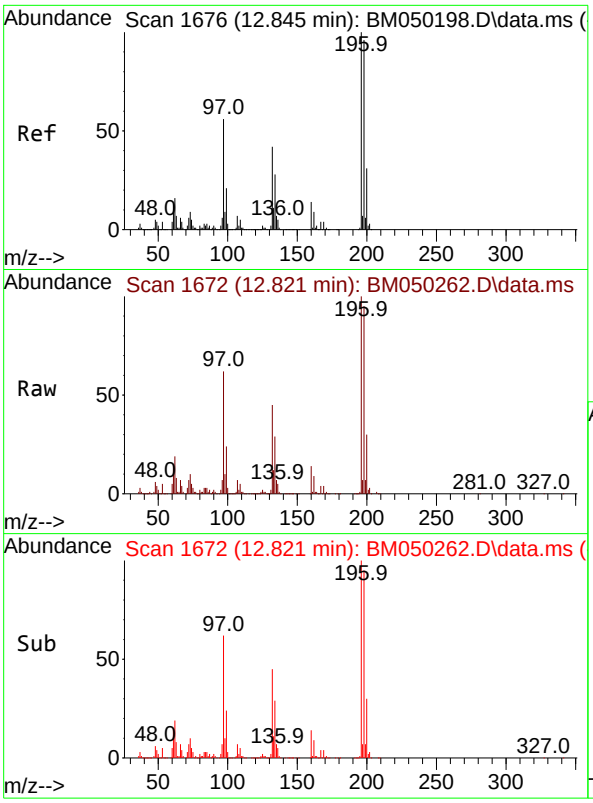


#42
2,4,6-Tribromophenol
Concen: 80.252 ng
RT: 15.880 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:330 Resp: 977575

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.5	116.3
141	37.1	28.8	43.2

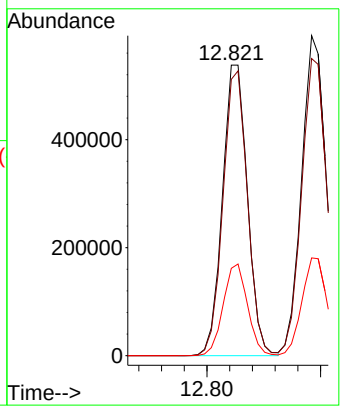




#43
2,4,6-Trichlorophenol
Concen: 40.432 ng
RT: 12.821 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:196 Resp: 82224

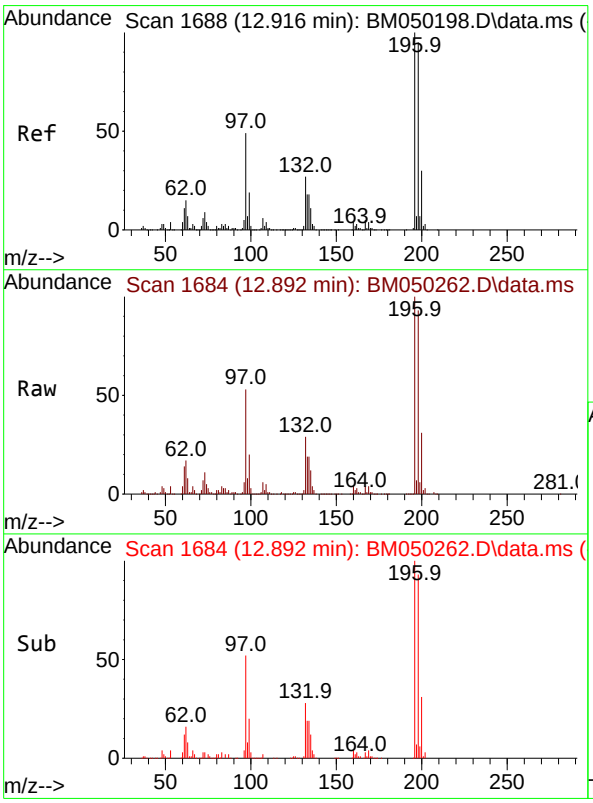
Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.6	115.0
200	30.1	24.5	36.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

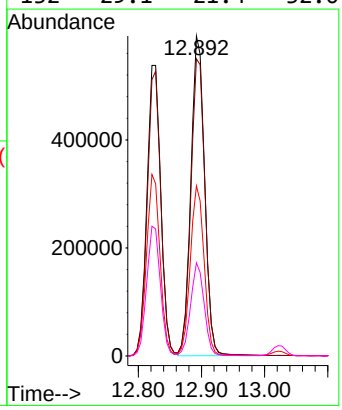
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

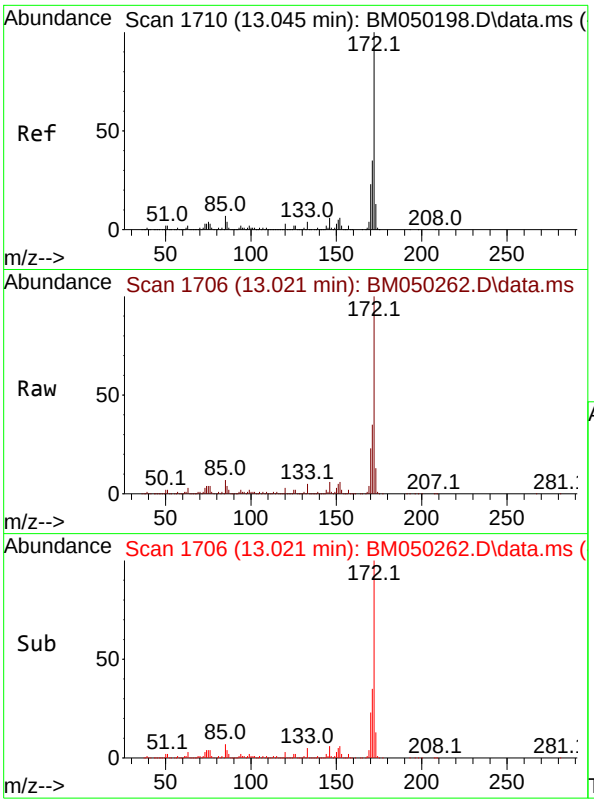


#44
2,4,5-Trichlorophenol
Concen: 40.133 ng
RT: 12.892 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:196 Resp: 896098

Ion	Ratio	Lower	Upper
196	100		
198	92.9	76.1	114.1
97	53.2	39.3	58.9
132	29.1	21.4	32.0

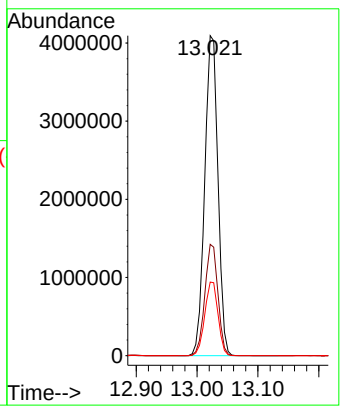




#45
2-Fluorobiphenyl
Concen: 78.077 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:172 Resp: 617621

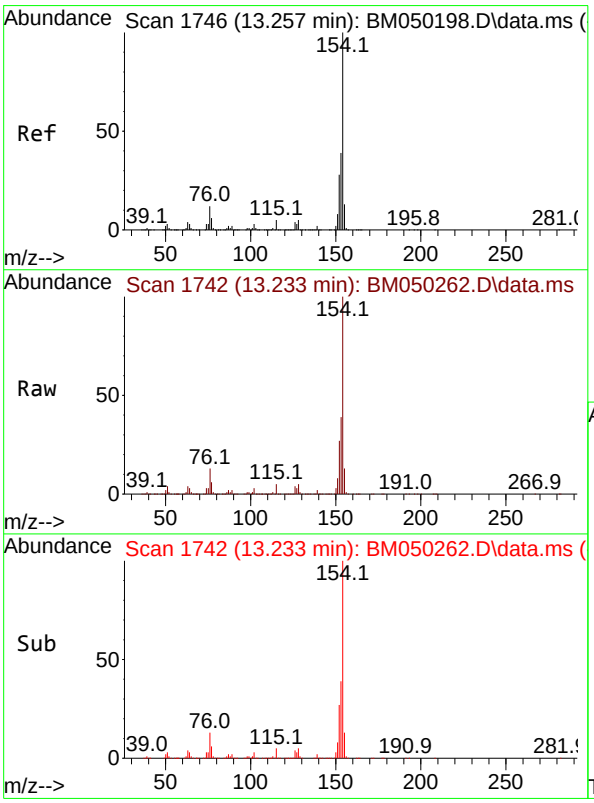
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.0	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

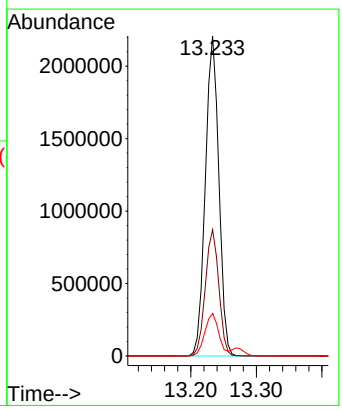
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

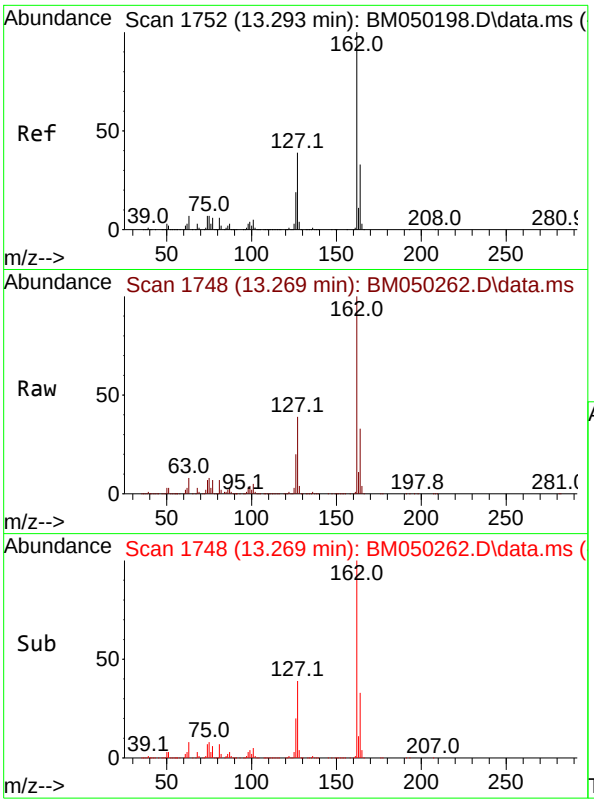


#46
1,1'-Biphenyl
Concen: 39.432 ng
RT: 13.233 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:154 Resp: 3162089

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.2	59.2
76	13.3	0.0	32.0

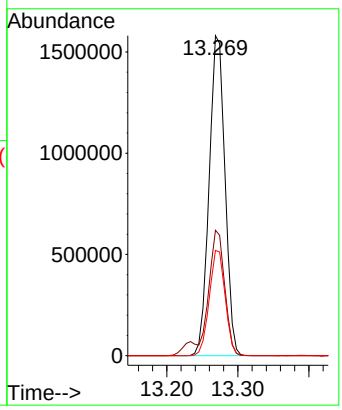




#47
2-Chloronaphthalene
Concen: 39.343 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:162 Resp: 245278

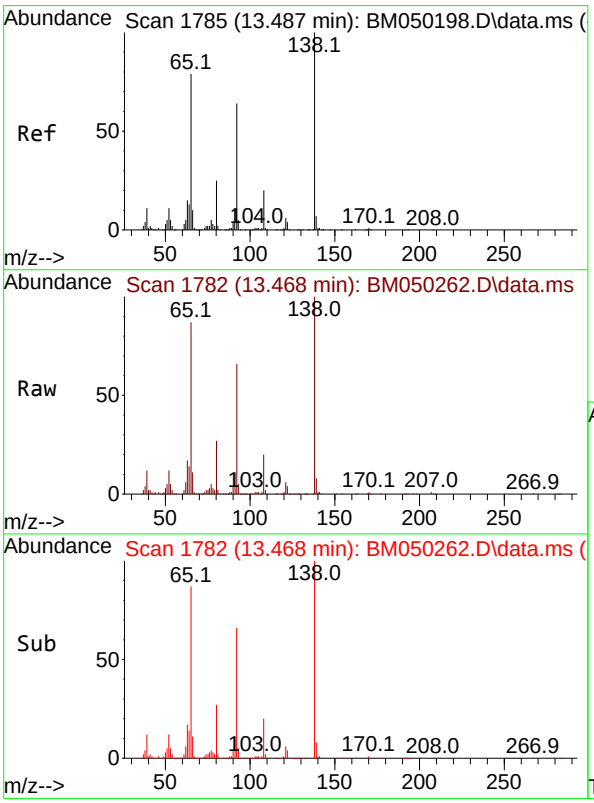
Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.1	46.7
164	32.9	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

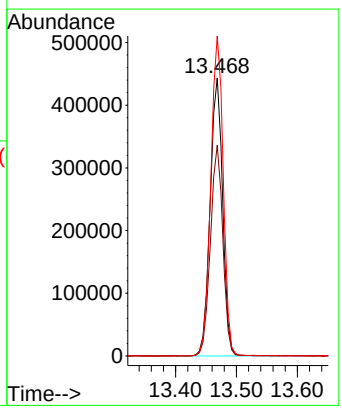
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

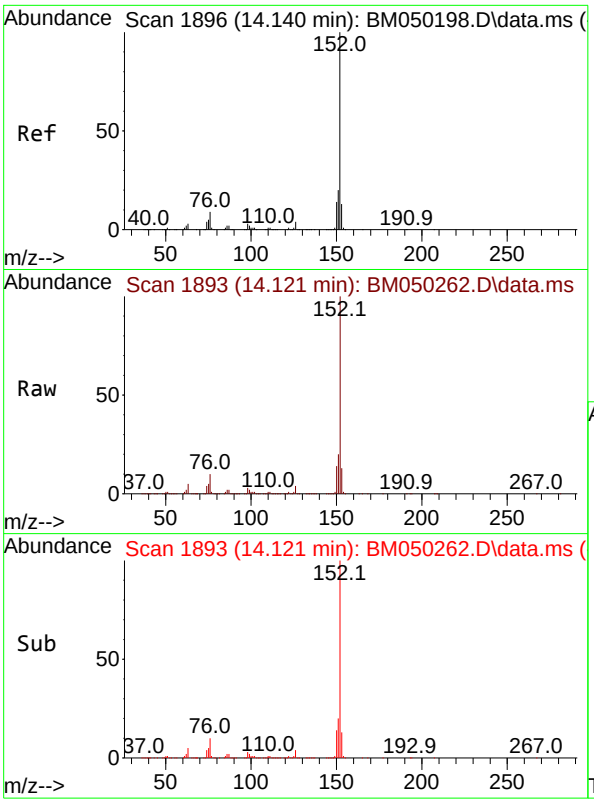


#48
2-Nitroaniline
Concen: 46.242 ng
RT: 13.468 min Scan# 1782
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 65 Resp: 634421

Ion	Ratio	Lower	Upper
65	100		
92	75.8	64.2	96.4
138	115.1	101.0	151.4

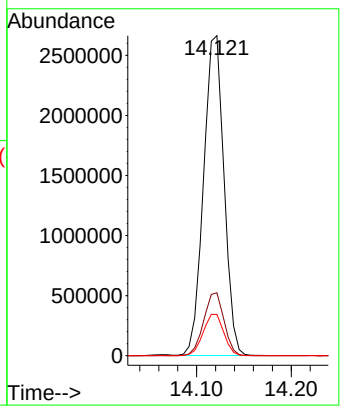




#49
Acenaphthylene
Concen: 39.574 ng
RT: 14.121 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:152 Resp: 399055

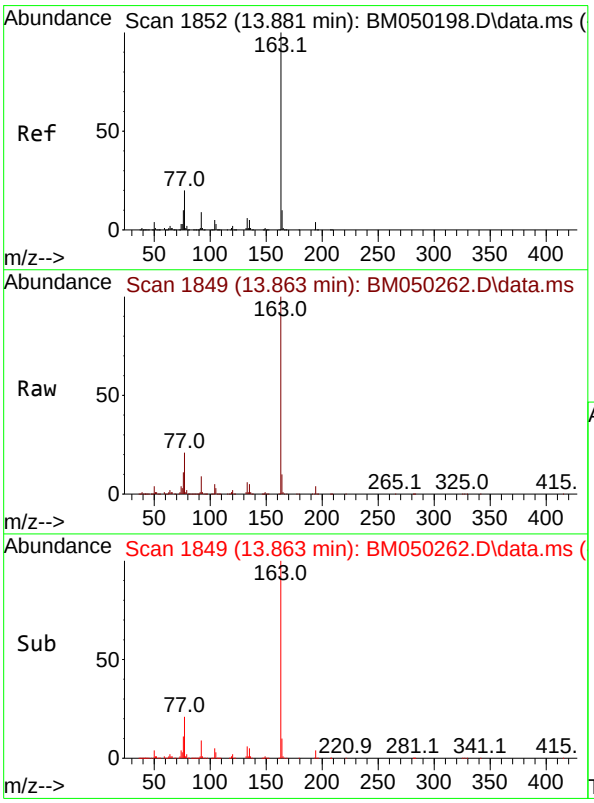
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

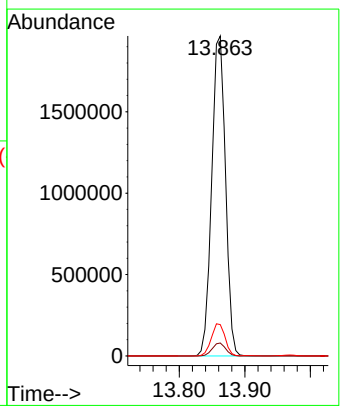
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

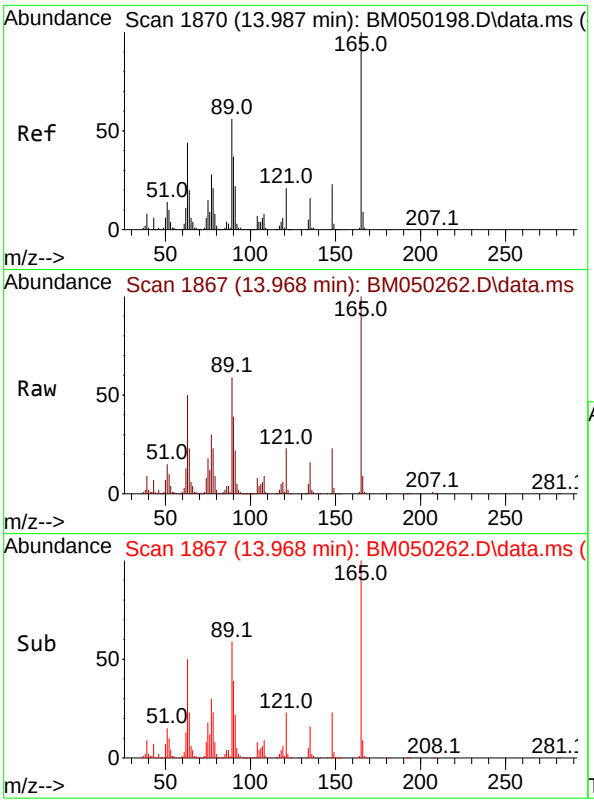


#50
Dimethylphthalate
Concen: 39.566 ng
RT: 13.863 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:163 Resp: 2865663

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 42.082 ng
RT: 13.968 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

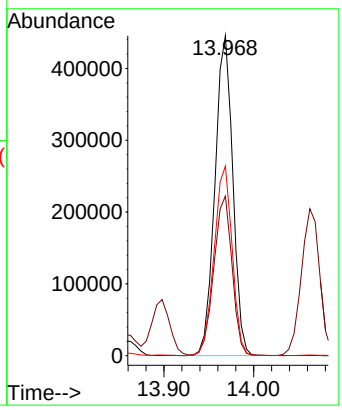
Tgt Ion:165 Resp: 61466

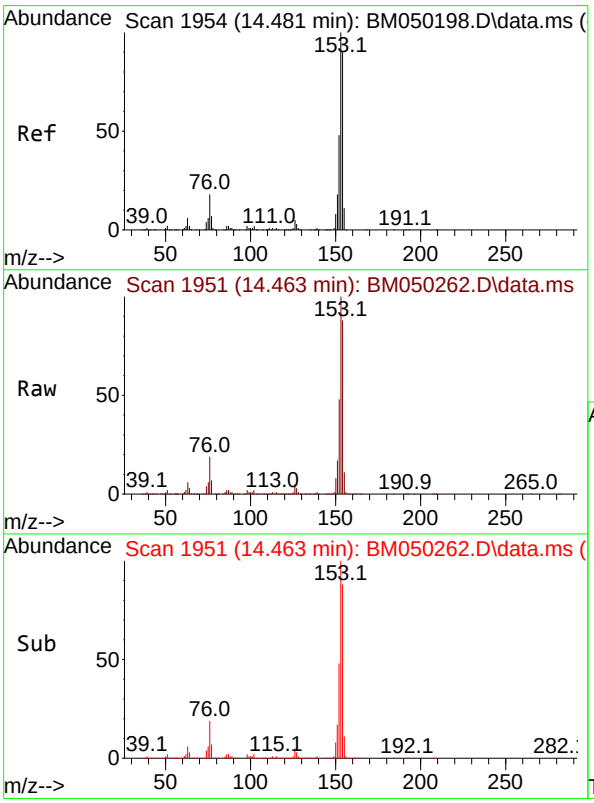
Ion	Ratio	Lower	Upper
165	100		
63	49.9	35.8	53.6
89	59.3	44.8	67.2

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

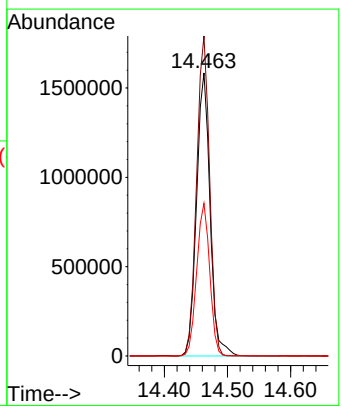


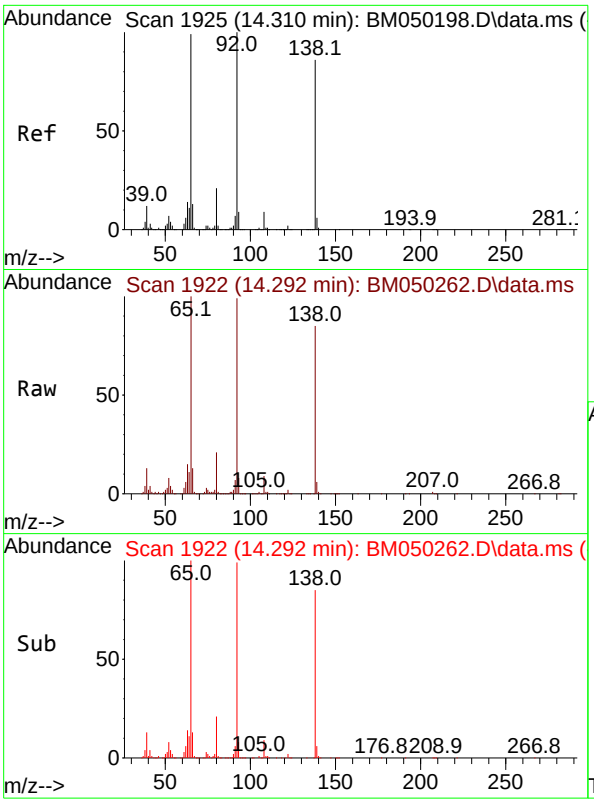


#52
Acenaphthene
Concen: 37.260 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:154 Resp: 2350065

Ion	Ratio	Lower	Upper
154	100		
153	113.1	88.7	133.1
152	53.9	42.6	63.8





#53
3-Nitroaniline
Concen: 42.411 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

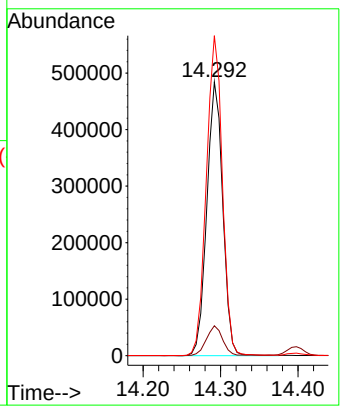
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

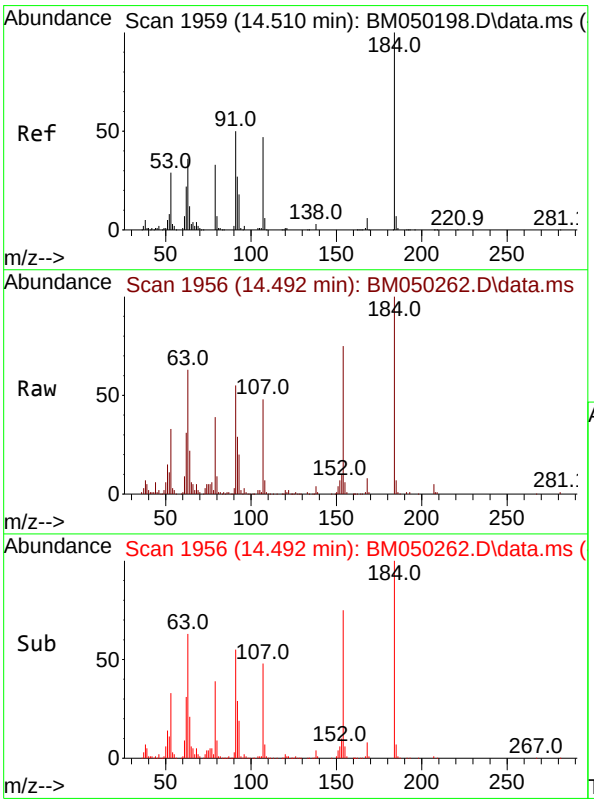
Tgt Ion:138 Resp: 690400

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	116.9	92.9	139.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

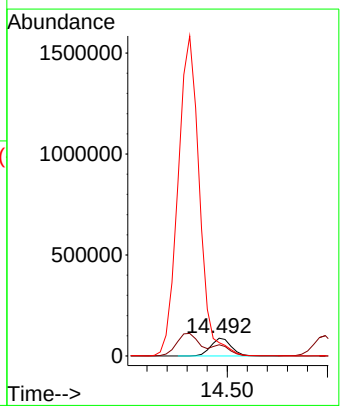


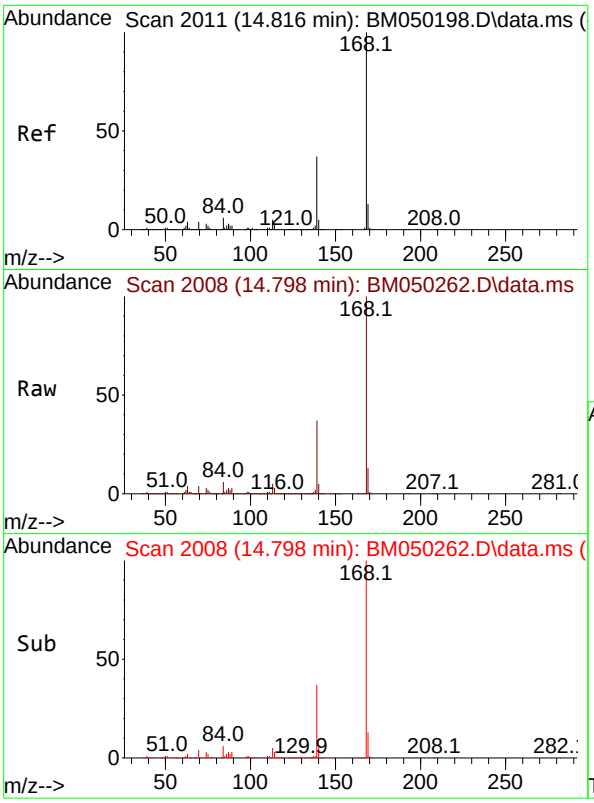


#54
2,4-Dinitrophenol
Concen: 17.614 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:184 Resp: 124034

Ion	Ratio	Lower	Upper
184	100		
63	63.4	45.3	67.9
154	74.8	54.3	81.5

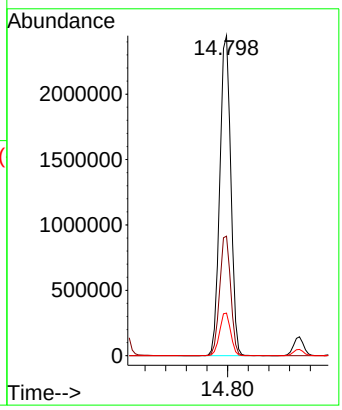




#55
Dibenzofuran
Concen: 39.138 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:168 Resp: 361140(

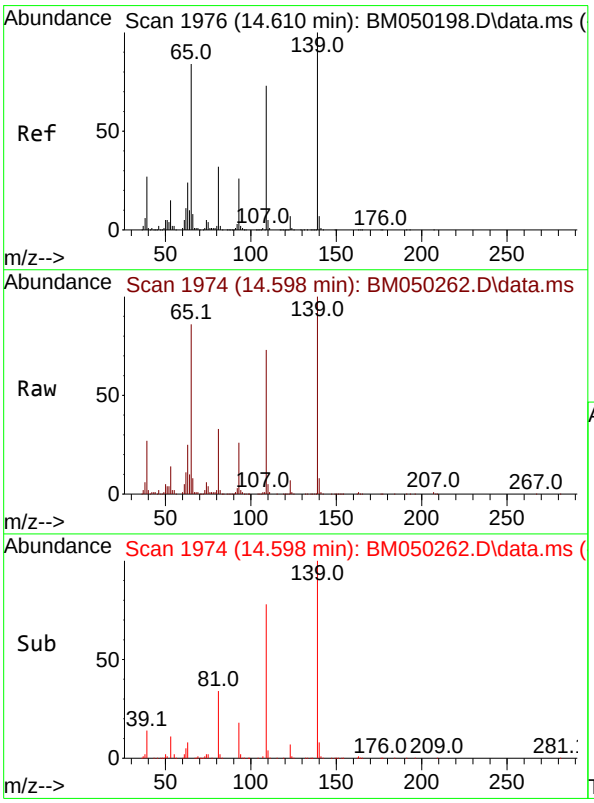
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.9	44.9
169	13.3	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

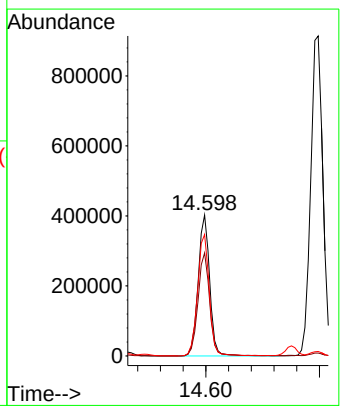
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

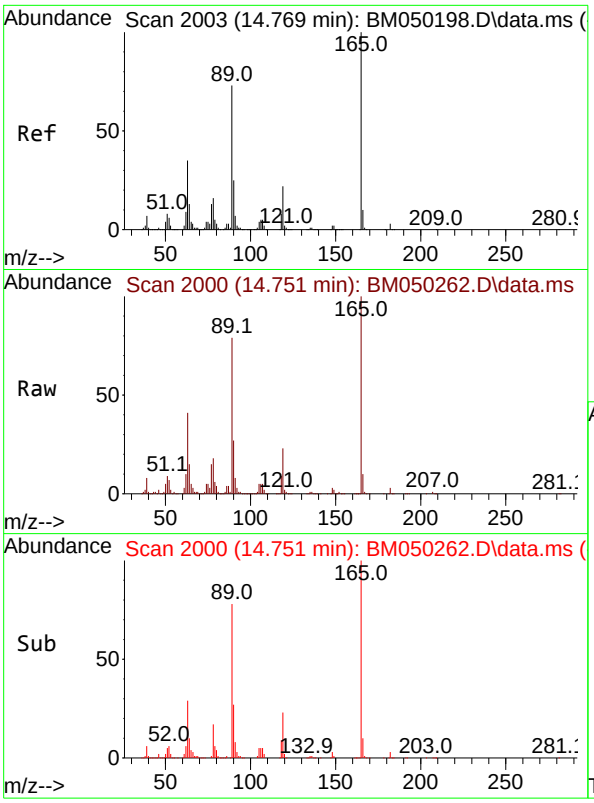


#56
4-Nitrophenol
Concen: 41.052 ng
RT: 14.598 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:139 Resp: 568795

Ion	Ratio	Lower	Upper
139	100		
109	73.1	52.6	92.6
65	86.1	64.3	104.3

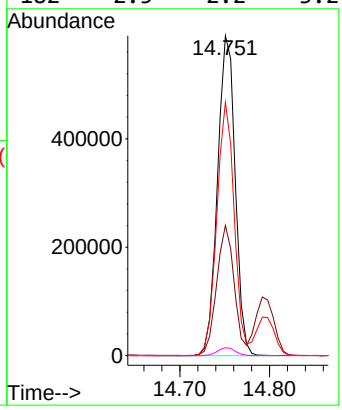




#57
2,4-Dinitrotoluene
Concen: 41.961 ng
RT: 14.751 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:165 Resp: 80848

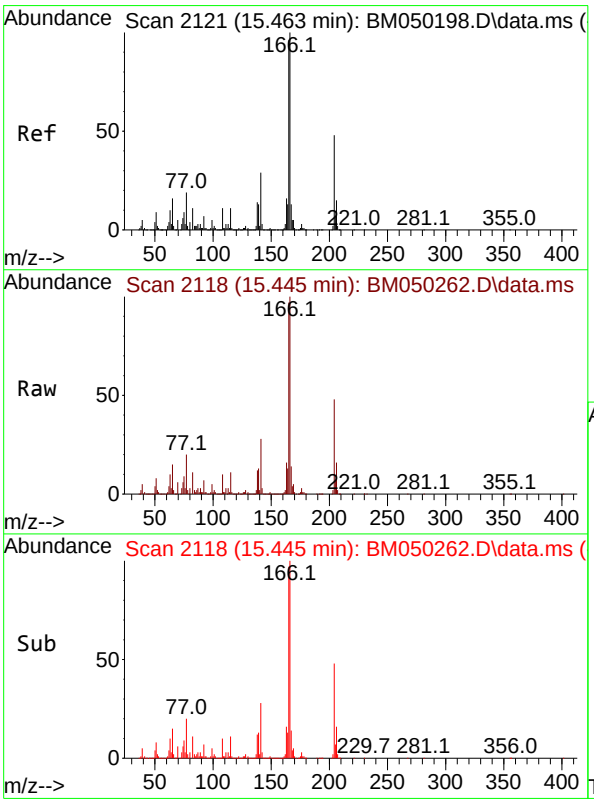
Ion	Ratio	Lower	Upper
165	100		
63	40.7	28.4	42.6
89	79.2	58.0	87.0
182	2.5	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

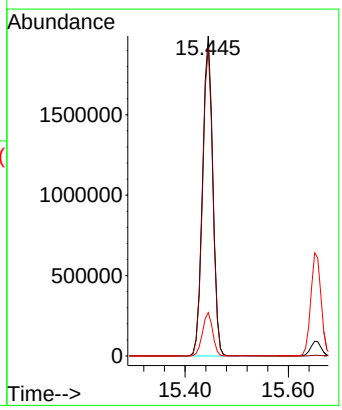
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

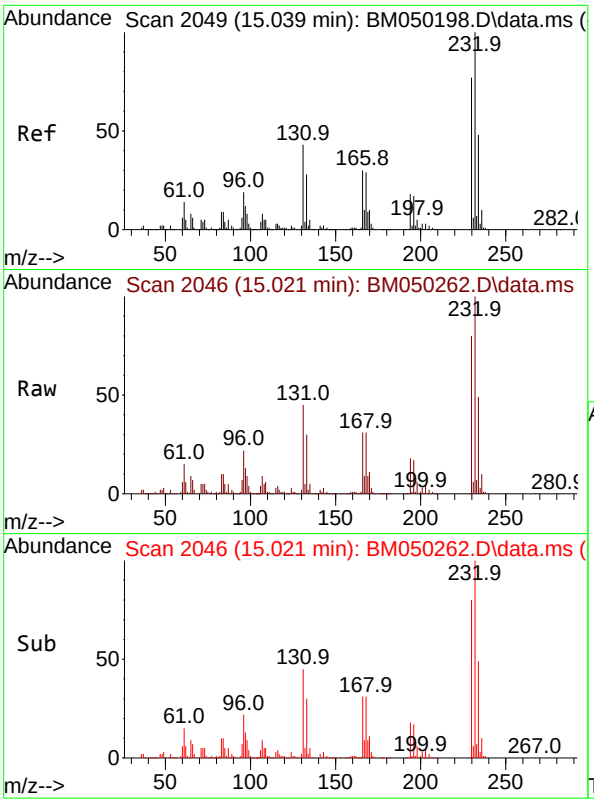


#58
Fluorene
Concen: 38.838 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:166 Resp: 2744828

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.0	115.4
167	13.5	10.7	16.1

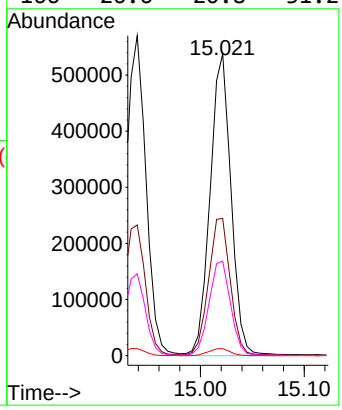




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.241 ng m
RT: 15.021 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:232 Resp: 75806

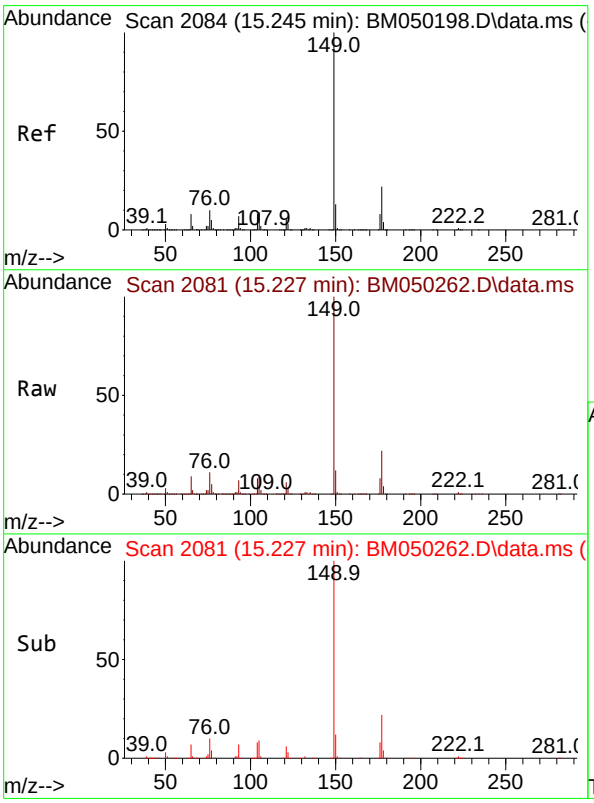
Ion	Ratio	Lower	Upper
232	100		
131	43.6	32.9	49.3
130	2.4	1.8	2.8
166	26.6	20.8	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

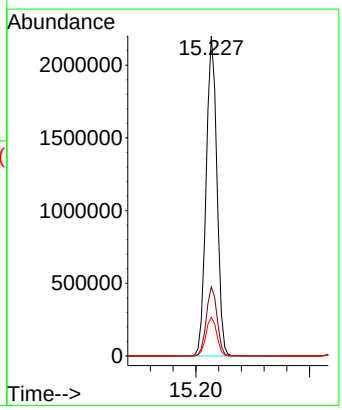
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

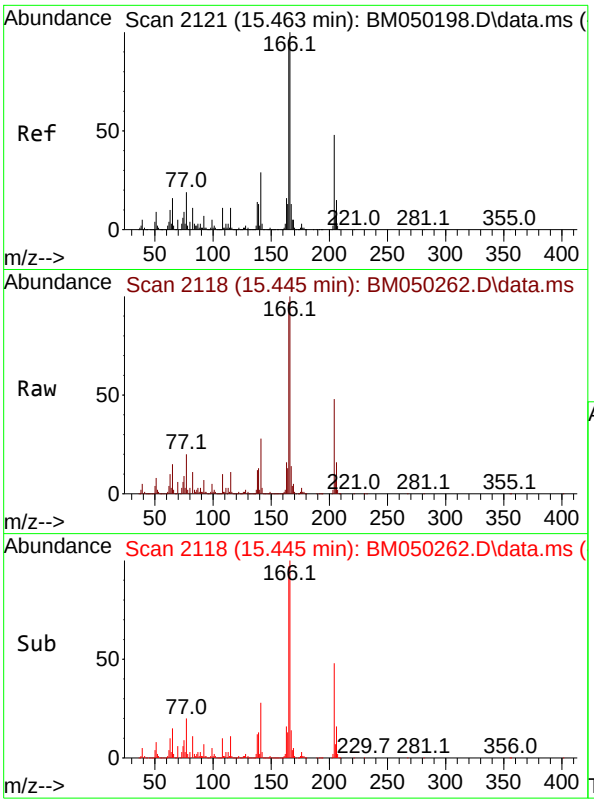


#60
Diethylphthalate
Concen: 40.067 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:149 Resp: 2879326

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.2	25.8
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 39.017 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

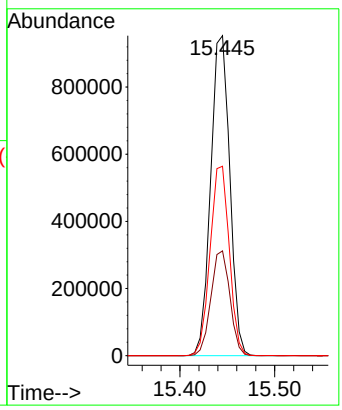
Tgt Ion:204 Resp: 133267

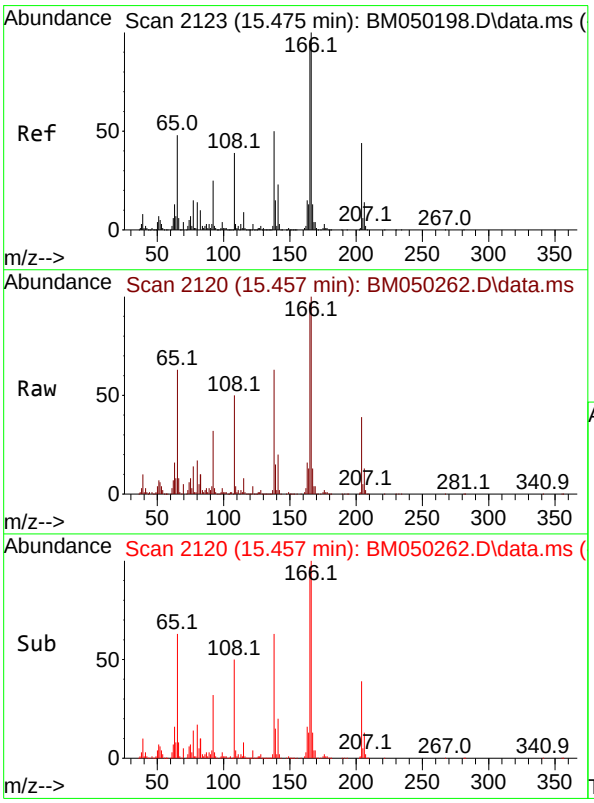
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.4	38.0
141	59.2	47.9	71.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

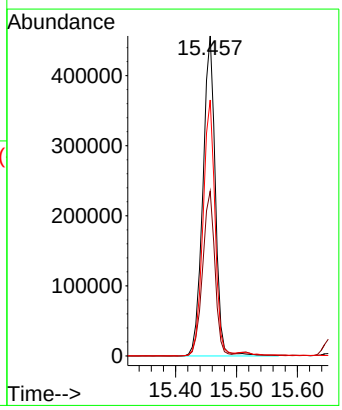


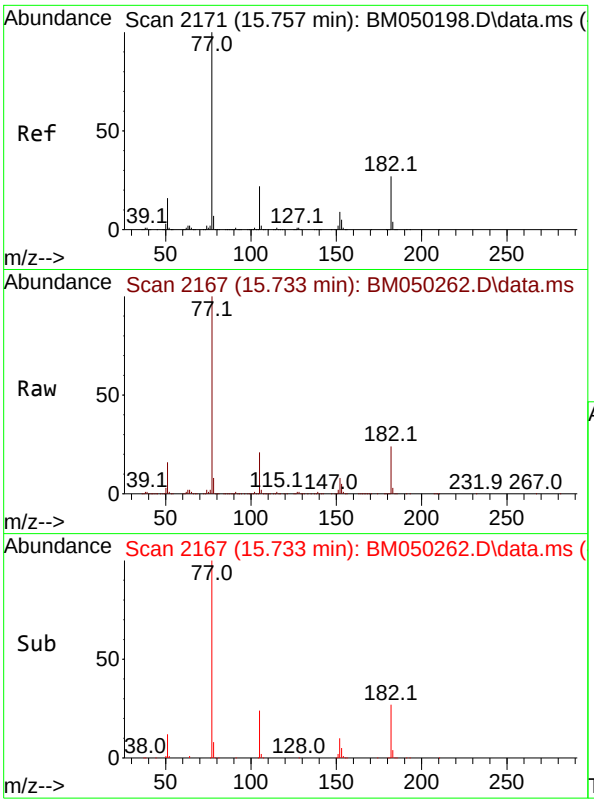


#62
4-Nitroaniline
Concen: 42.568 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:138 Resp: 649475

Ion	Ratio	Lower	Upper
138	100		
92	51.5	28.8	68.8
108	80.0	58.1	98.1

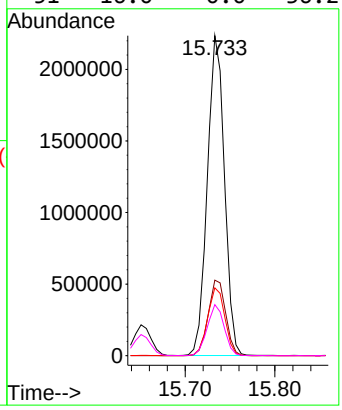




#63
Azobenzene
Concen: 41.194 ng
RT: 15.733 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion: 77 Resp: 295887

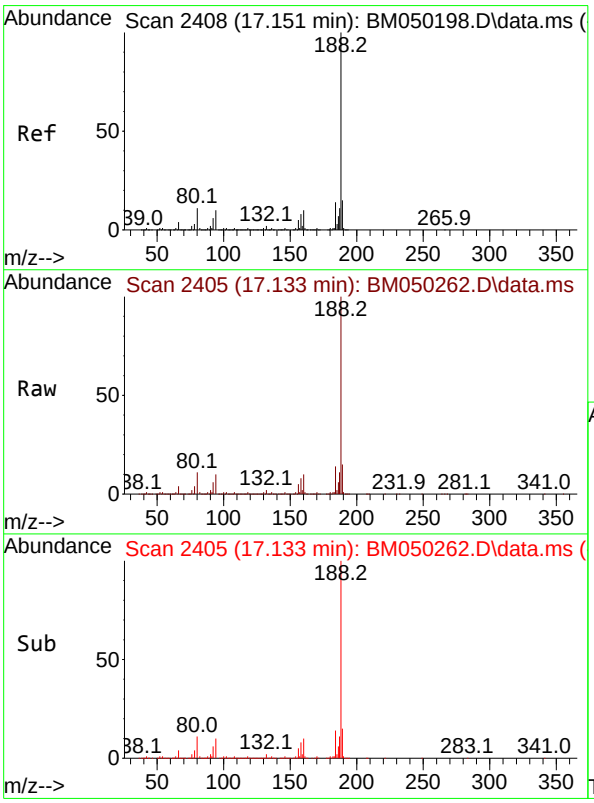
Ion	Ratio	Lower	Upper
77	100		
182	23.6	6.8	46.8
105	21.2	1.7	41.7
51	16.0	0.0	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

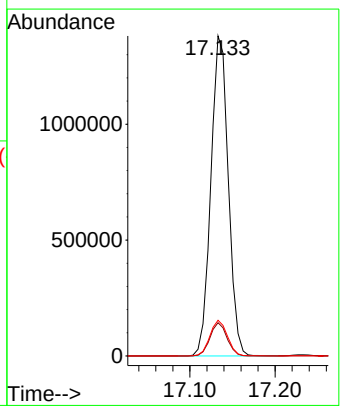
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

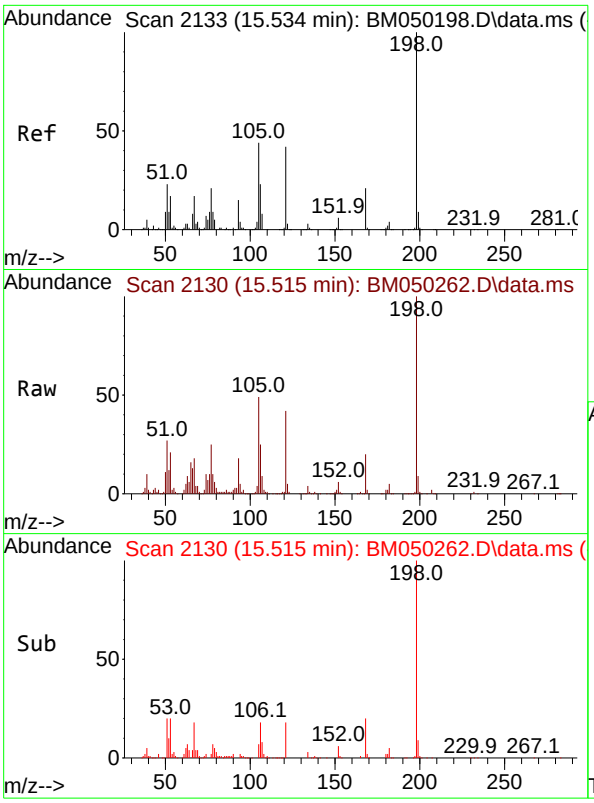


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:188 Resp: 1957349

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.1	12.1
80	11.1	8.6	13.0





#65
4,6-Dinitro-2-methylphenol
Concen: 24.779 ng
RT: 15.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

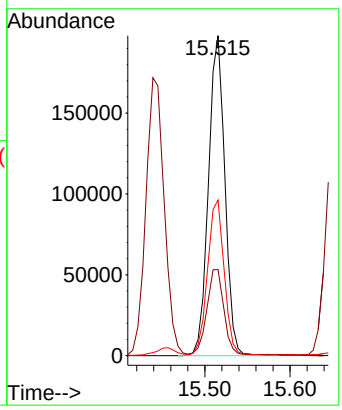
Tgt Ion:198 Resp: 26490

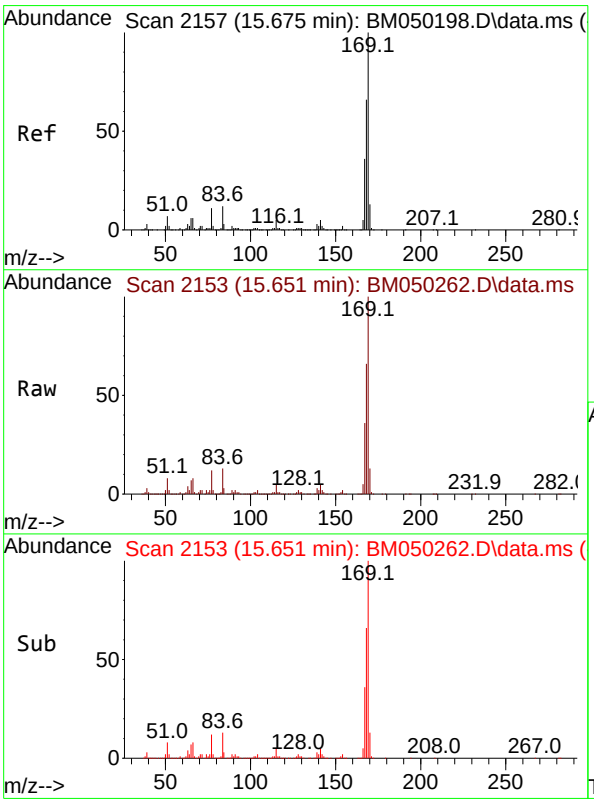
Ion	Ratio	Lower	Upper
198	100		
51	26.9	4.5	44.5
105	48.6	24.9	64.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

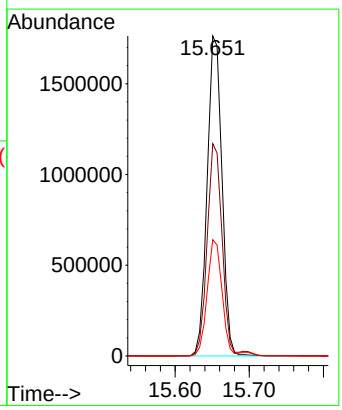


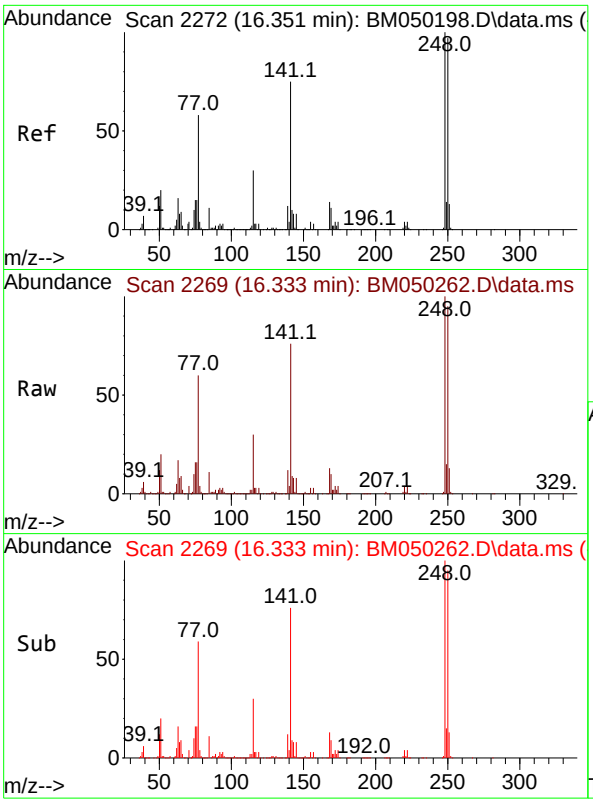


#66
n-Nitrosodiphenylamine
Concen: 39.721 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:169 Resp: 2442884

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.1	79.7
167	36.3	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 39.697 ng
RT: 16.333 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

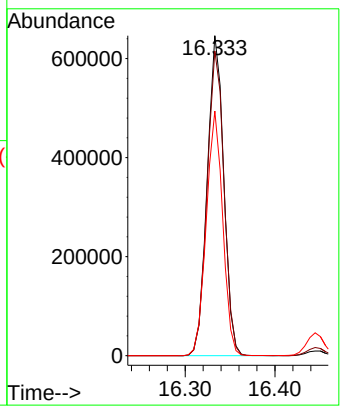
Tgt Ion:248 Resp: 82858

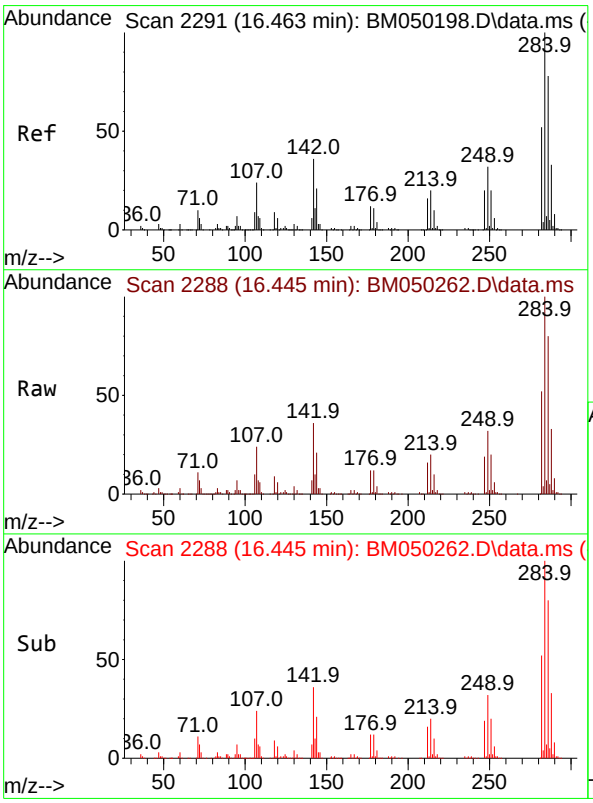
Ion	Ratio	Lower	Upper
248	100		
250	95.2	78.0	117.0
141	76.5	60.1	90.1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

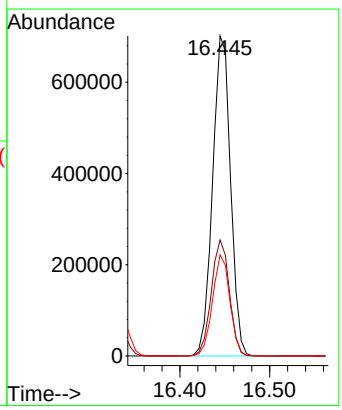


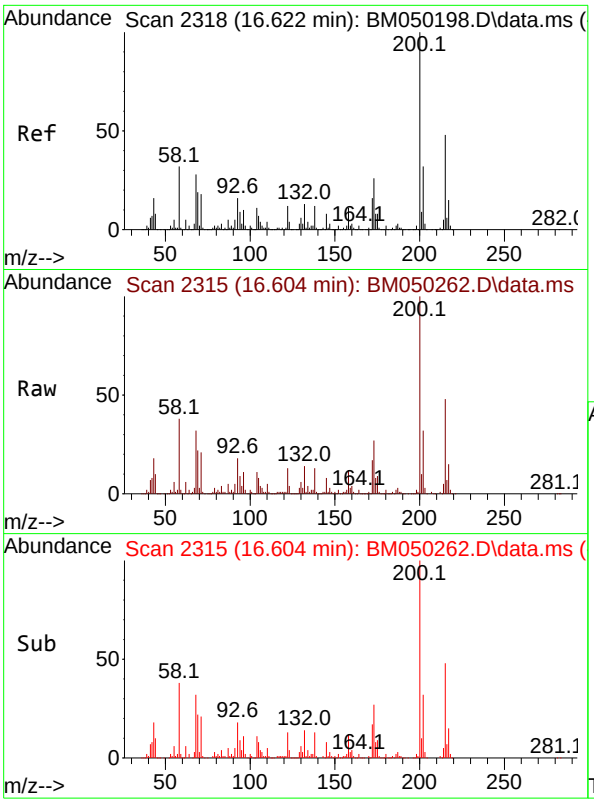


#68
Hexachlorobenzene
Concen: 39.865 ng
RT: 16.445 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:284 Resp: 972175

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.8	43.2
249	31.6	25.8	38.6





#69
Atrazine
Concen: 41.337 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

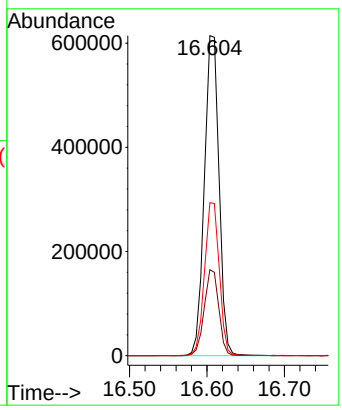
Tgt Ion:200 Resp: 81004

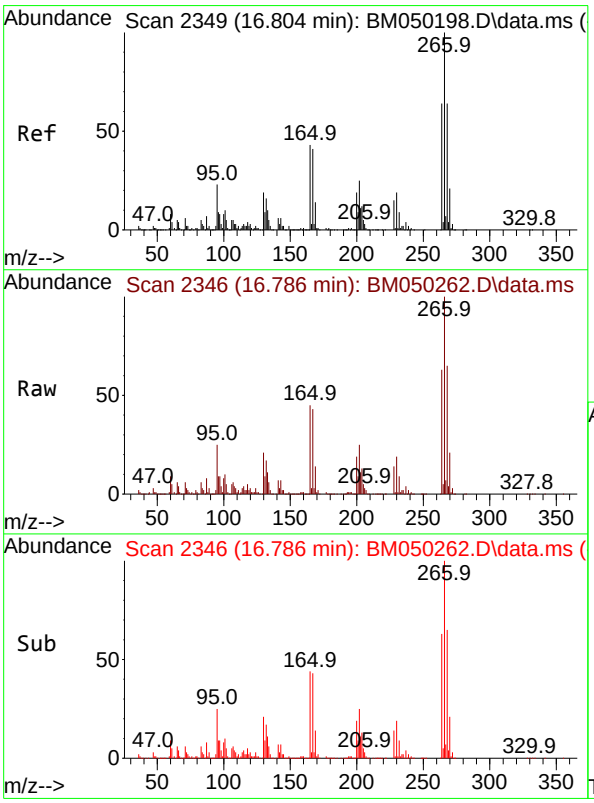
Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.0	46.0
215	47.8	28.1	68.1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

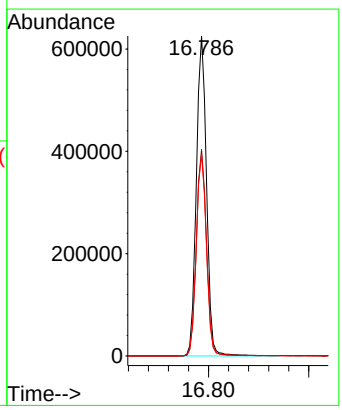


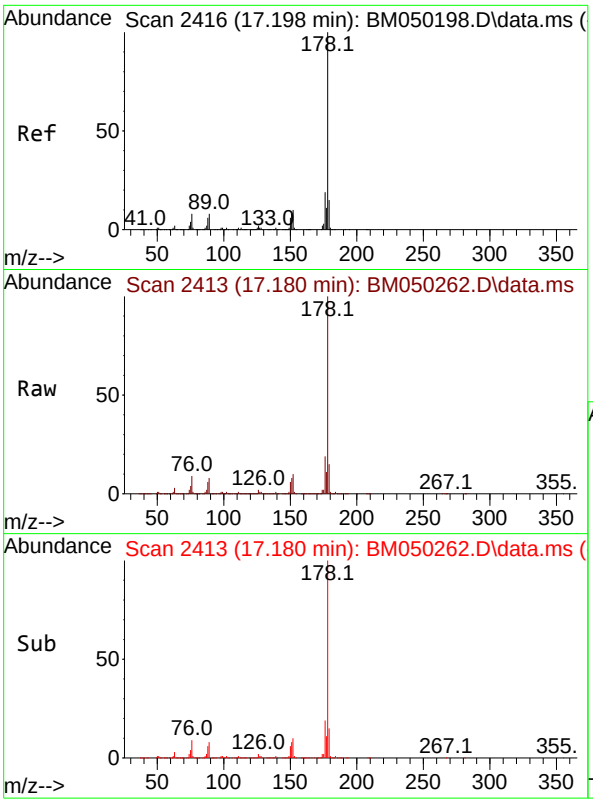


#70
Pentachlorophenol
Concen: 55.421 ng
RT: 16.786 min Scan# 2346
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:266 Resp: 878713

Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.0	76.6
264	63.1	50.8	76.2

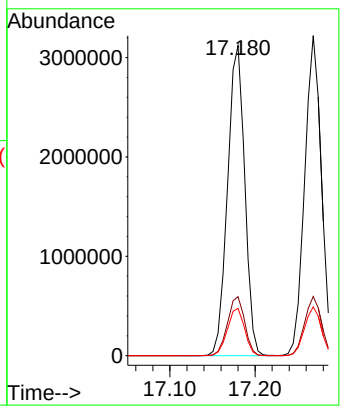




#71
Phenanthrene
Concen: 39.123 ng
RT: 17.180 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:178 Resp: 437461

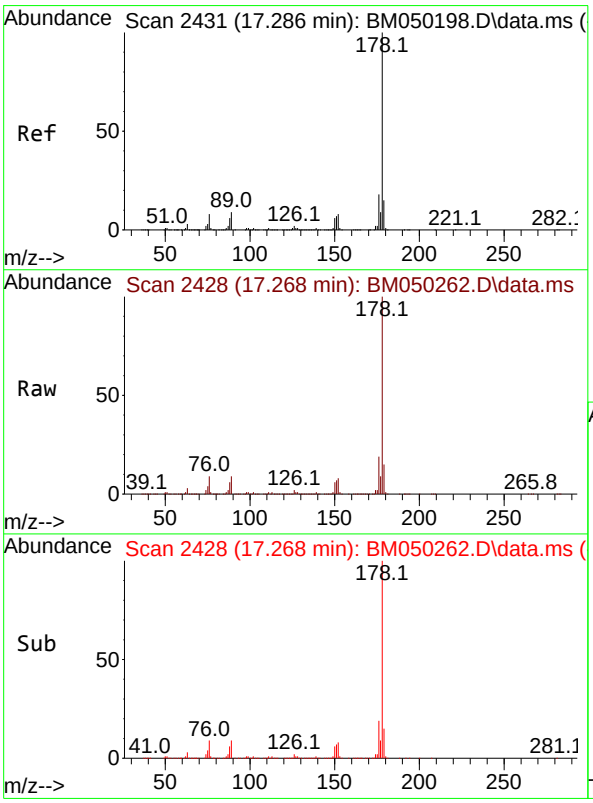
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.3	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

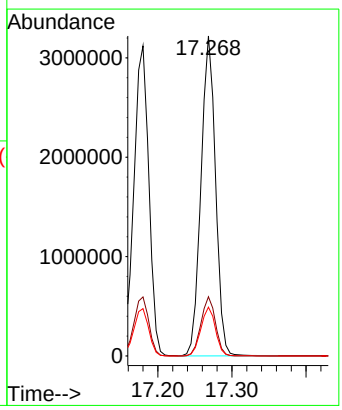
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

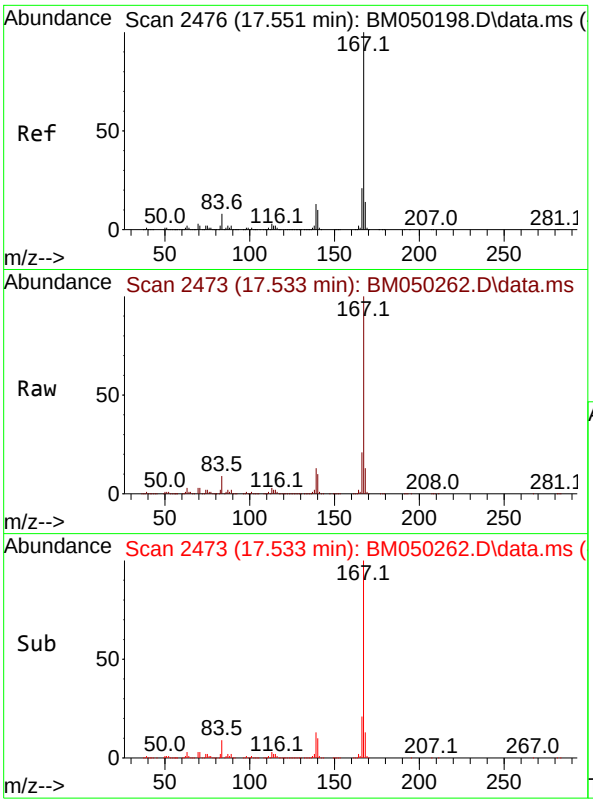


#72
Anthracene
Concen: 39.385 ng
RT: 17.268 min Scan# 2428
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:178 Resp: 4405600

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.3	18.5

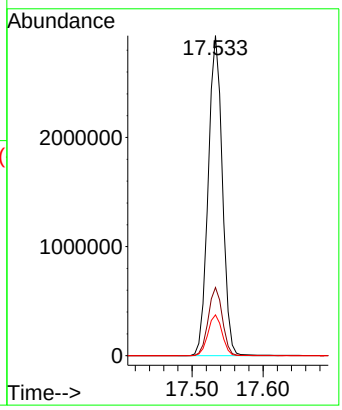




#73
Carbazole
Concen: 39.880 ng
RT: 17.533 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:167 Resp: 406409

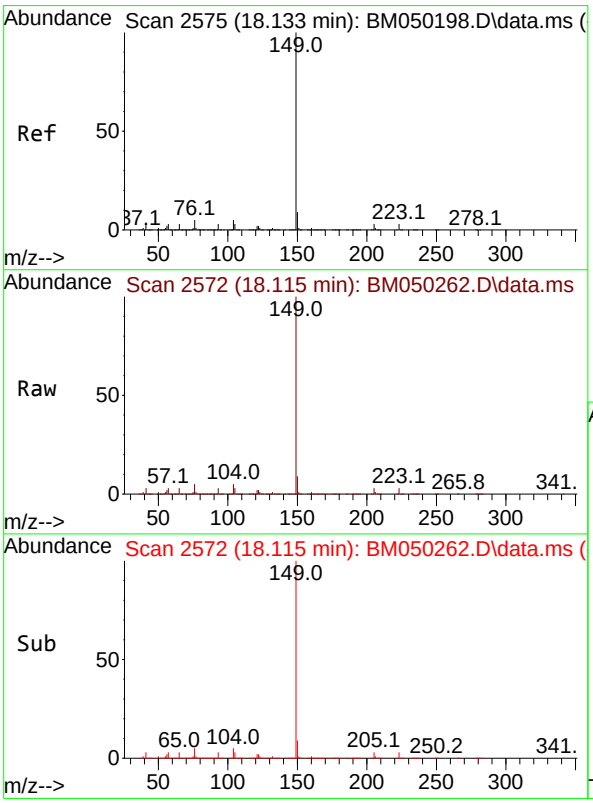
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.8	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

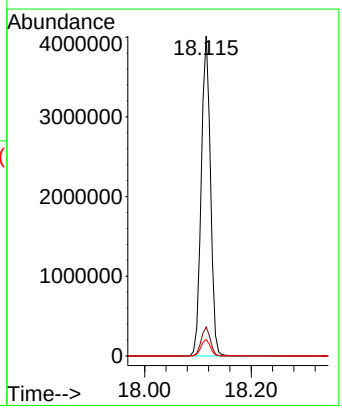
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

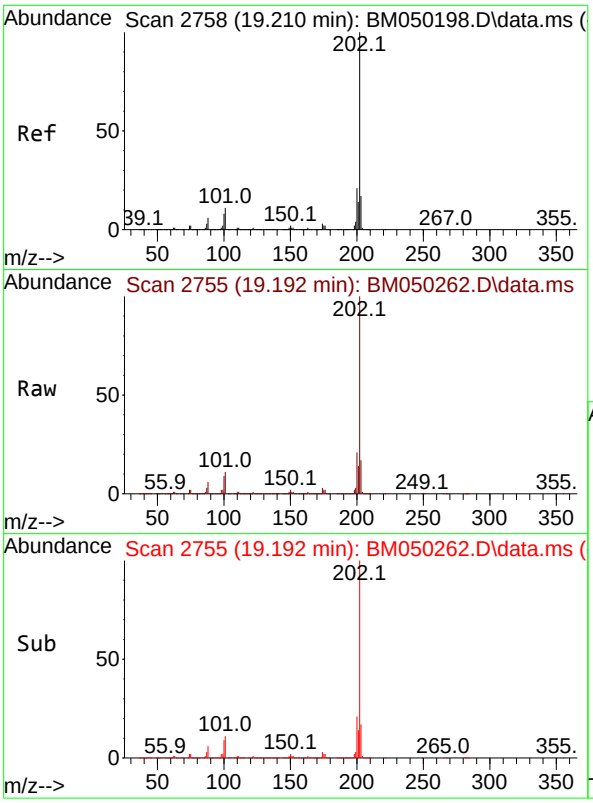


#74
Di-n-butylphthalate
Concen: 43.289 ng
RT: 18.115 min Scan# 2572
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:149 Resp: 4799970

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.1	4.0	6.0

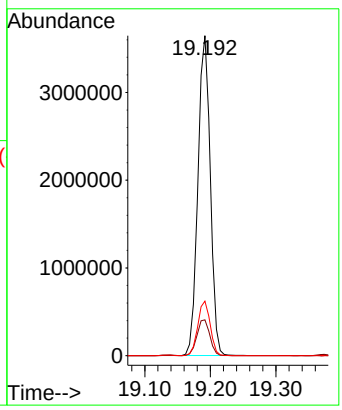




#75
Fluoranthene
Concen: 40.590 ng
RT: 19.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:202 Resp: 478625

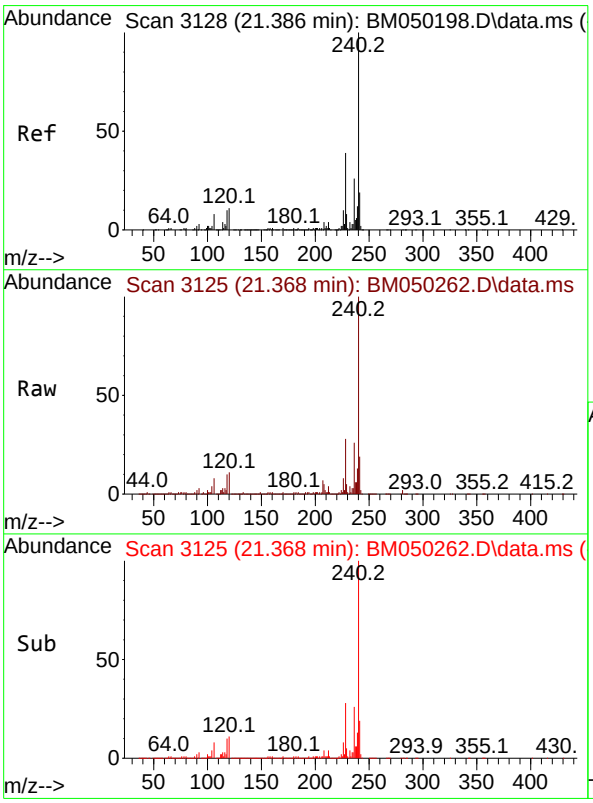
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	17.1	0.0	37.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

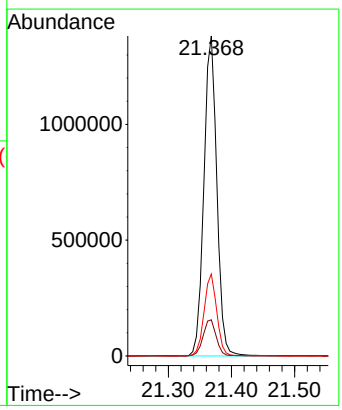
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

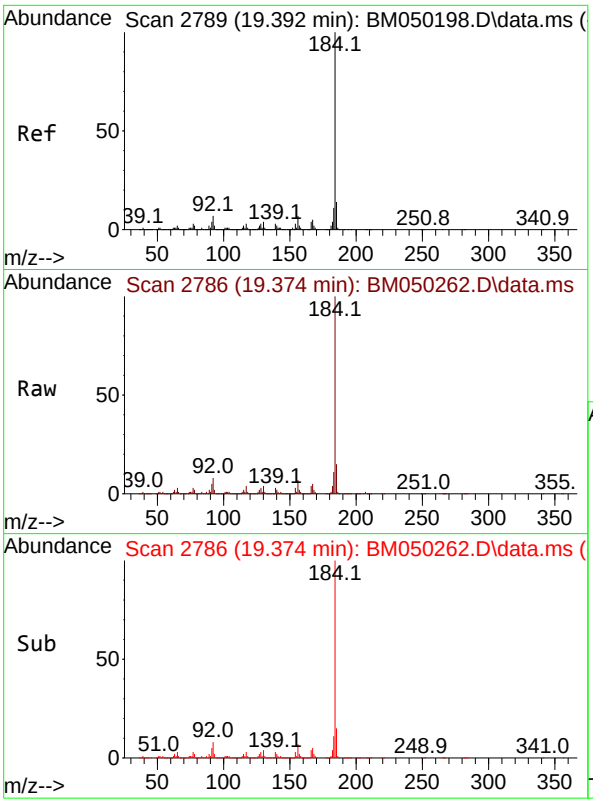


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:240 Resp: 1968381

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.4
236	25.6	20.7	31.1

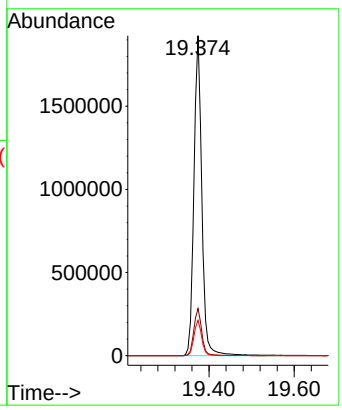




#77
Benzidine
Concen: 44.801 ng
RT: 19.374 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:184 Resp: 247985

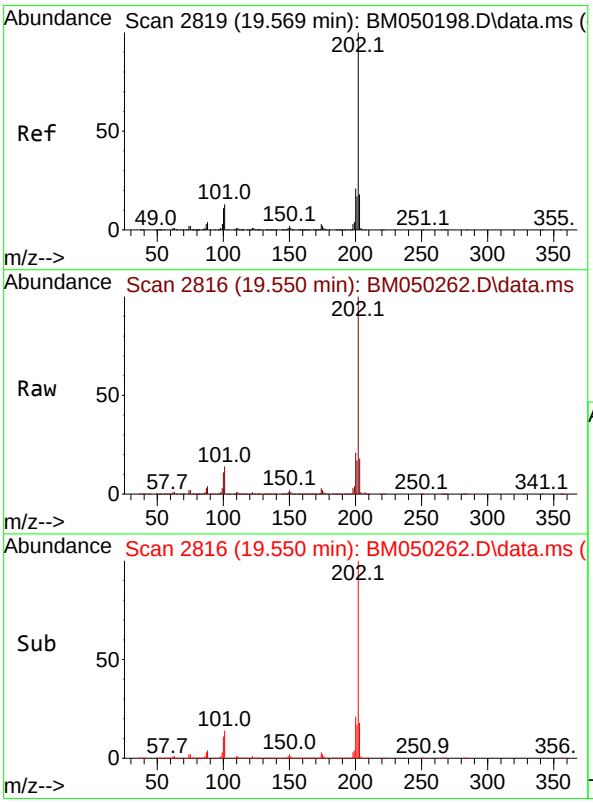
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.0	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

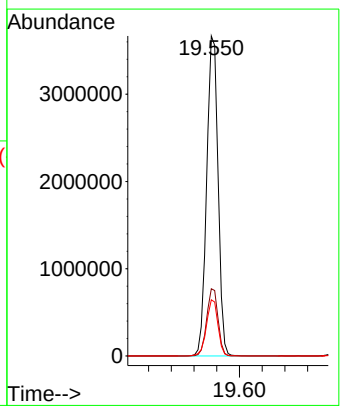
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

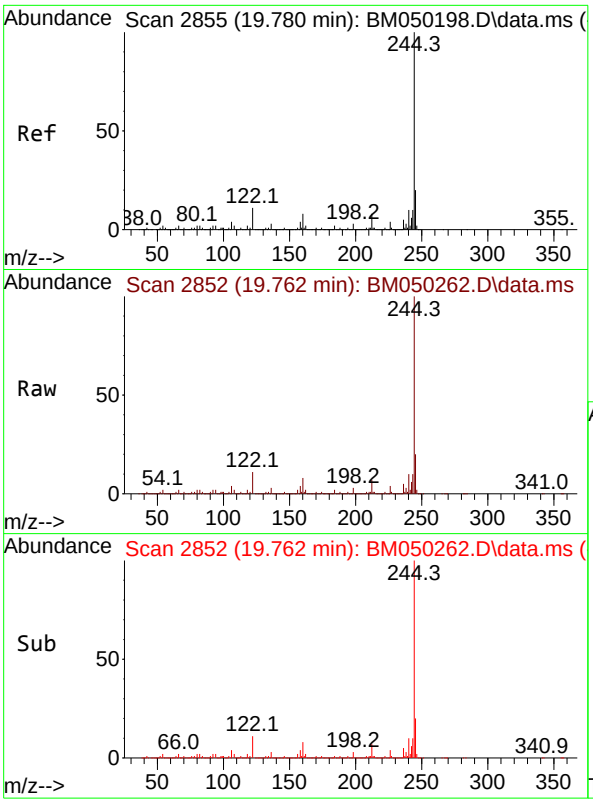


#78
Pyrene
Concen: 38.210 ng
RT: 19.550 min Scan# 2816
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:202 Resp: 5069333

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.1	21.1

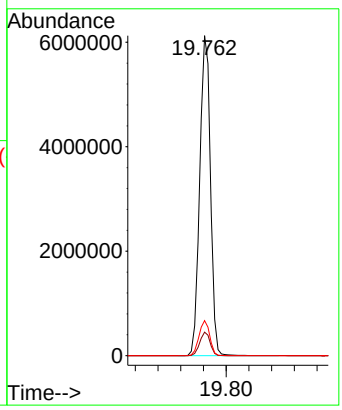




#79
Terphenyl-d14
Concen: 77.259 ng
RT: 19.762 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:244 Resp: 802497

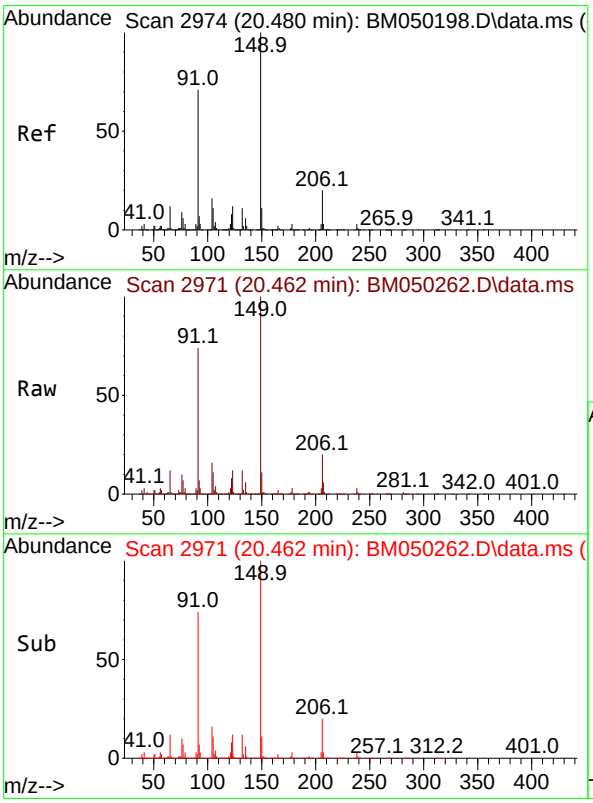
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.0	8.6	12.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

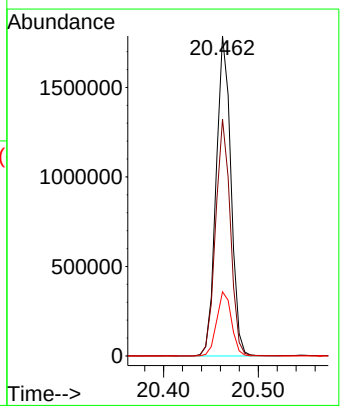
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

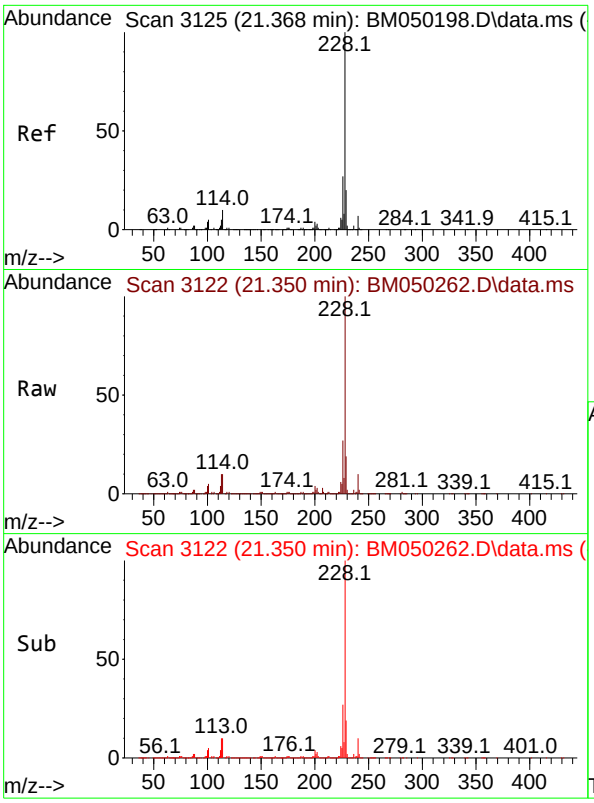


#80
Butylbenzylphthalate
Concen: 43.849 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:149 Resp: 1940495

Ion	Ratio	Lower	Upper
149	100		
91	74.0	56.9	85.3
206	20.1	16.1	24.1

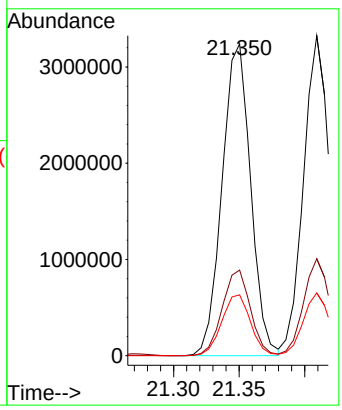




#81
Benzo(a)anthracene
Concen: 39.375 ng
RT: 21.350 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:228 Resp: 490575

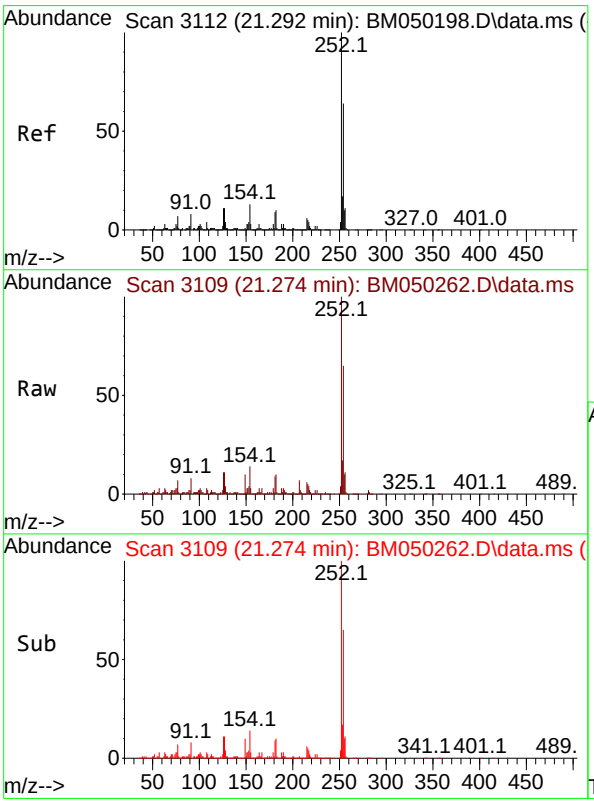
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	19.5	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

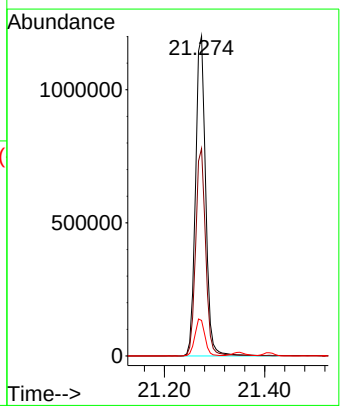
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

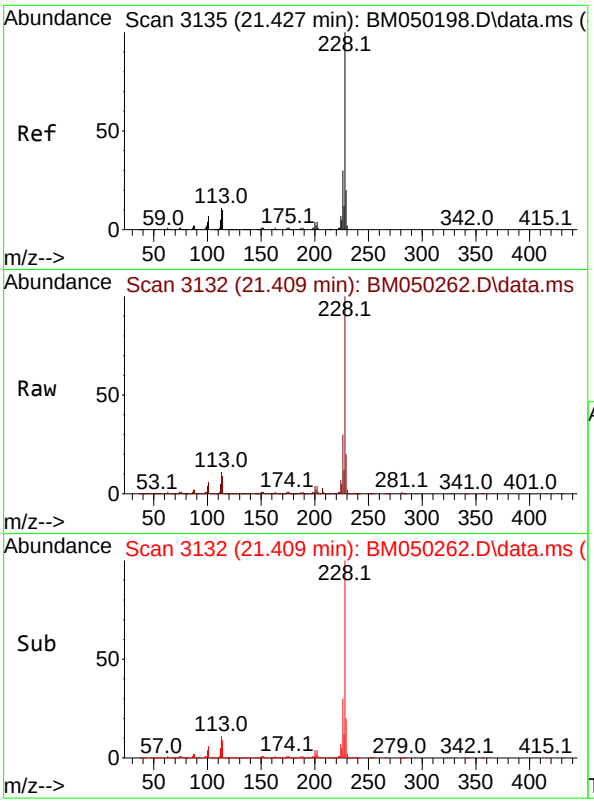


#82
3,3'-Dichlorobenzidine
Concen: 44.182 ng
RT: 21.274 min Scan# 3109
Delta R.T. -0.000 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:252 Resp: 1678656

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.4	77.0
126	11.1	8.6	12.8

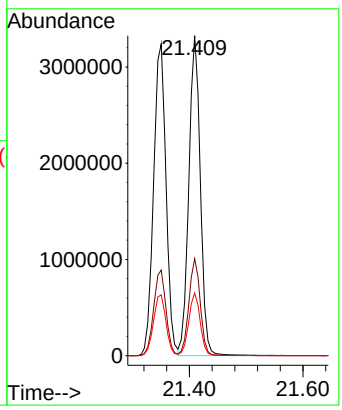




#83
Chrysene
Concen: 39.507 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:228 Resp: 468206

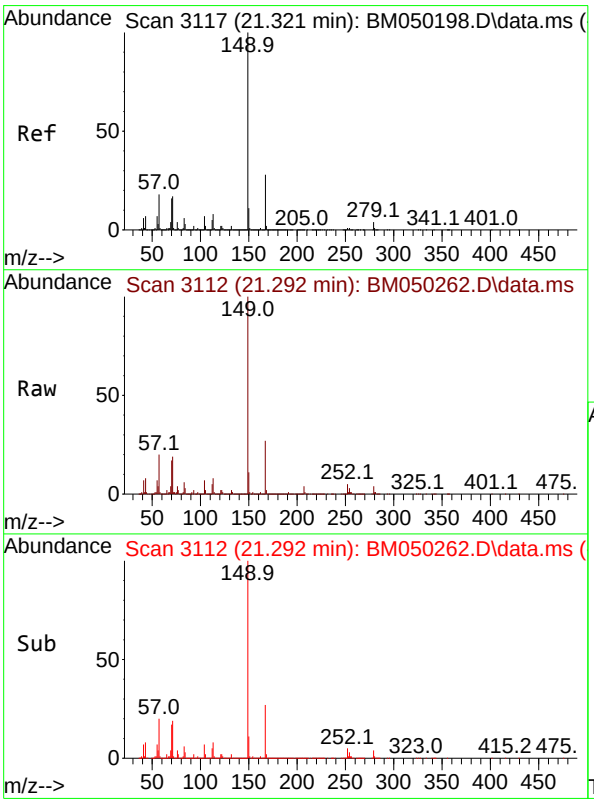
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.6	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

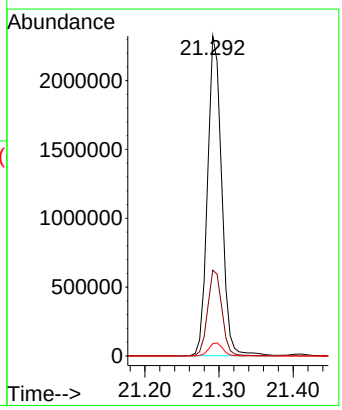
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

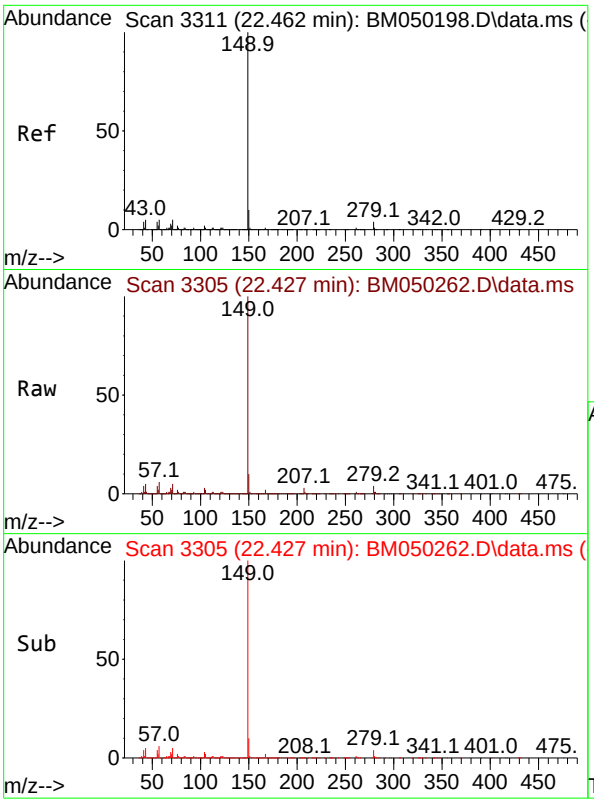


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.251 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:149 Resp: 3084575

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.3	33.5
279	3.8	3.5	5.3

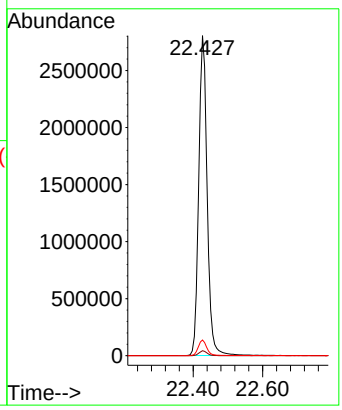




#85
Di-n-octyl phthalate
Concen: 46.575 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:149 Resp: 471108

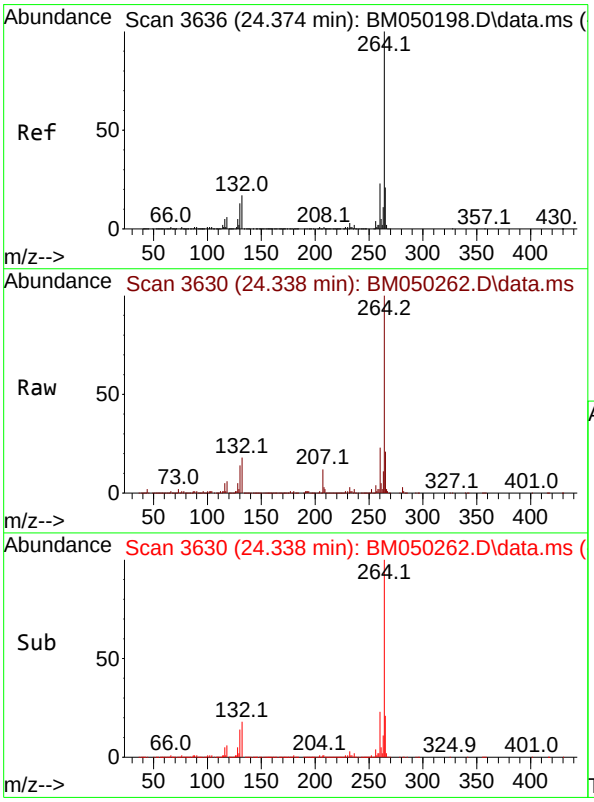
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	5.0	3.8	5.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

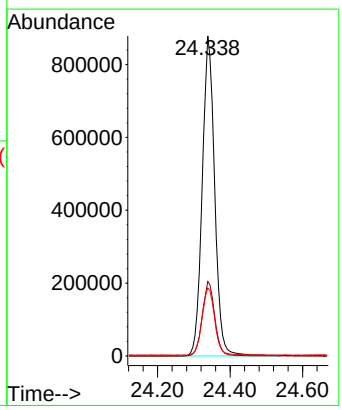
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

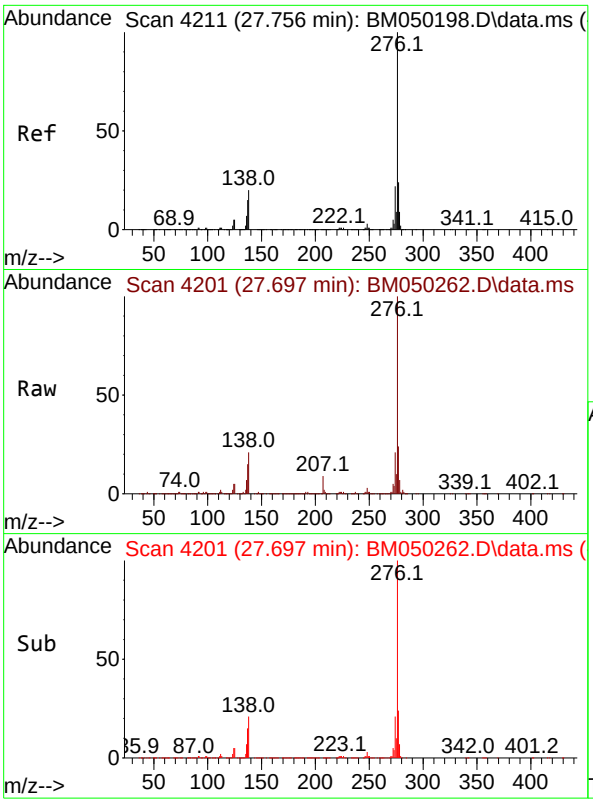


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.338 min Scan# 3630
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:264 Resp: 2090330

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	16.8	25.2

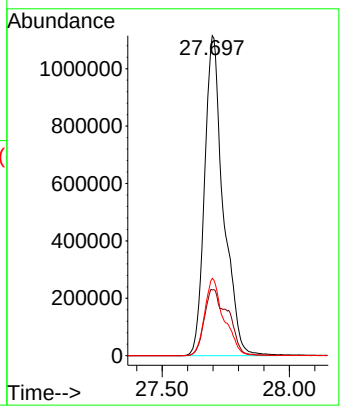




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.482 ng
RT: 27.697 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:276 Resp: 571770

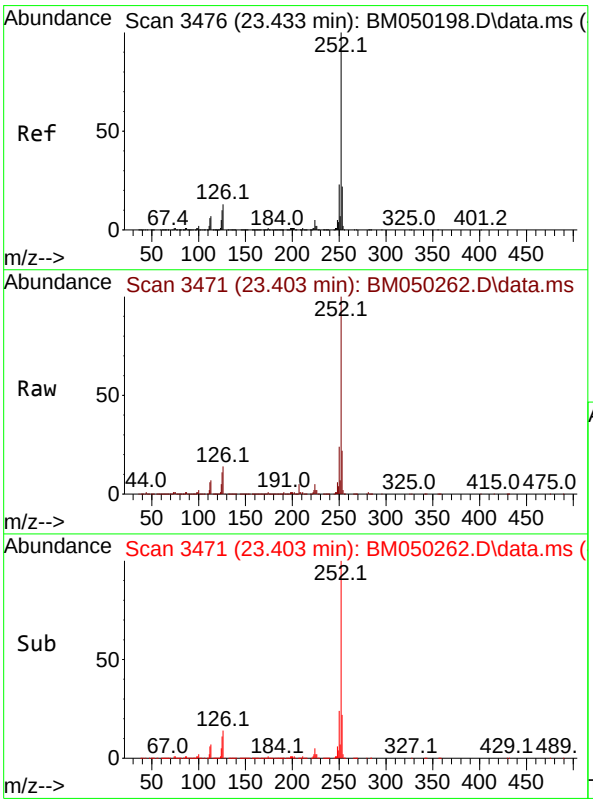
Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.6	30.8
277	25.0	19.8	29.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

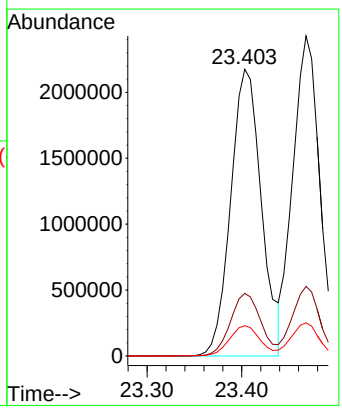
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

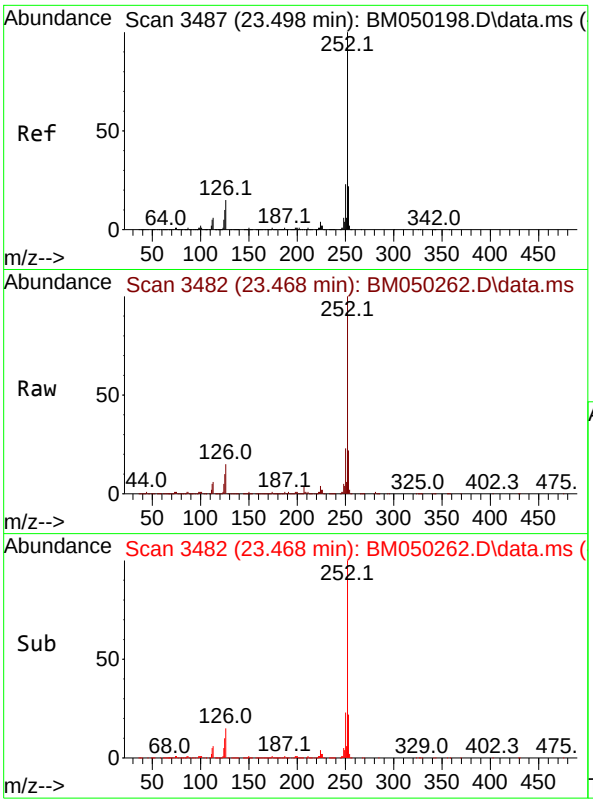


#88
Benzo(b)fluoranthene
Concen: 40.276 ng
RT: 23.403 min Scan# 3471
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:252 Resp: 4894905

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.5	8.2	12.4

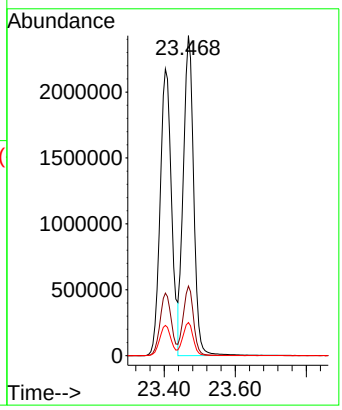




#89
Benzo(k)fluoranthene
Concen: 39.246 ng
RT: 23.468 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:252 Resp: 486911

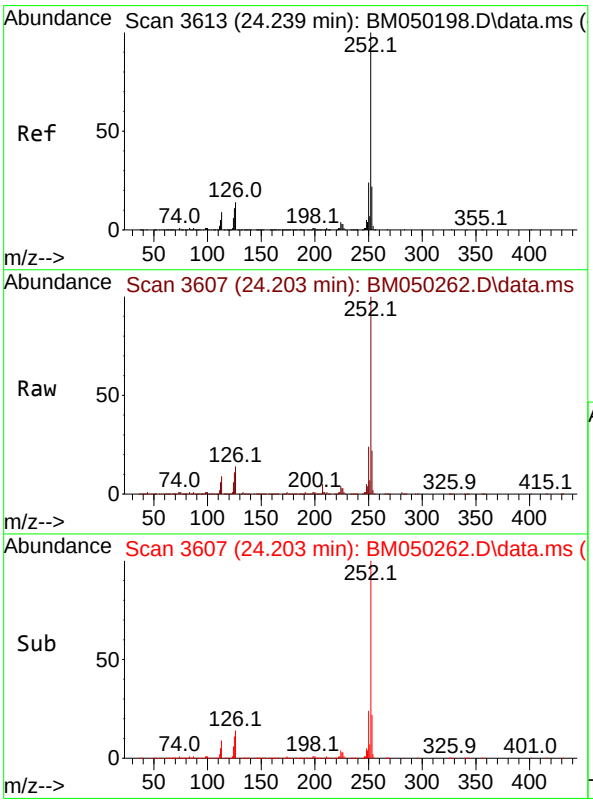
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.4	8.2	12.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

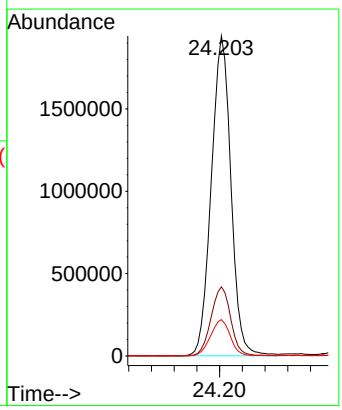
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

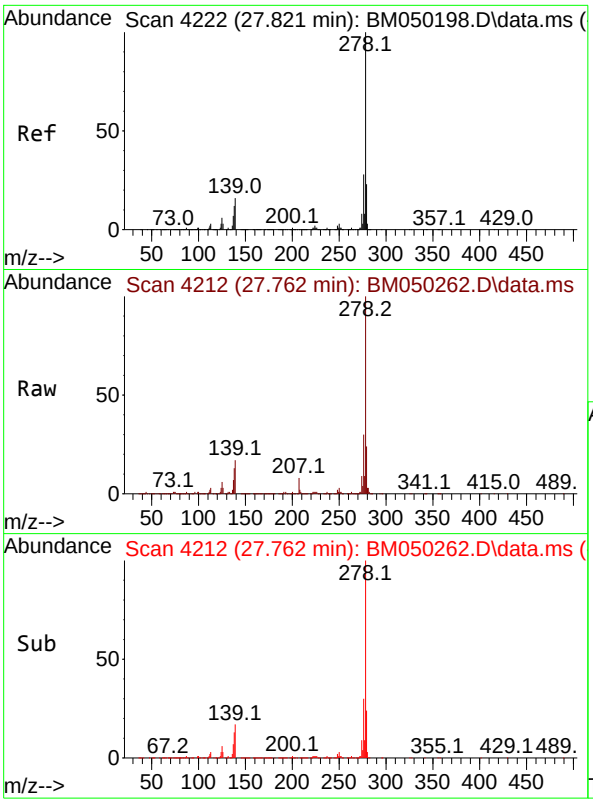


#90
Benzo(a)pyrene
Concen: 40.782 ng
RT: 24.203 min Scan# 3607
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:252 Resp: 4660050

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.3	9.0	13.4





#91
Dibenzo(a,h)anthracene
Concen: 42.817 ng
RT: 27.762 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

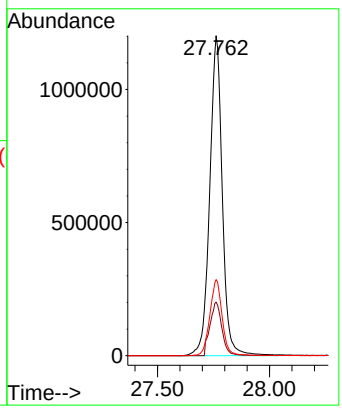
Tgt Ion:278 Resp: 467768

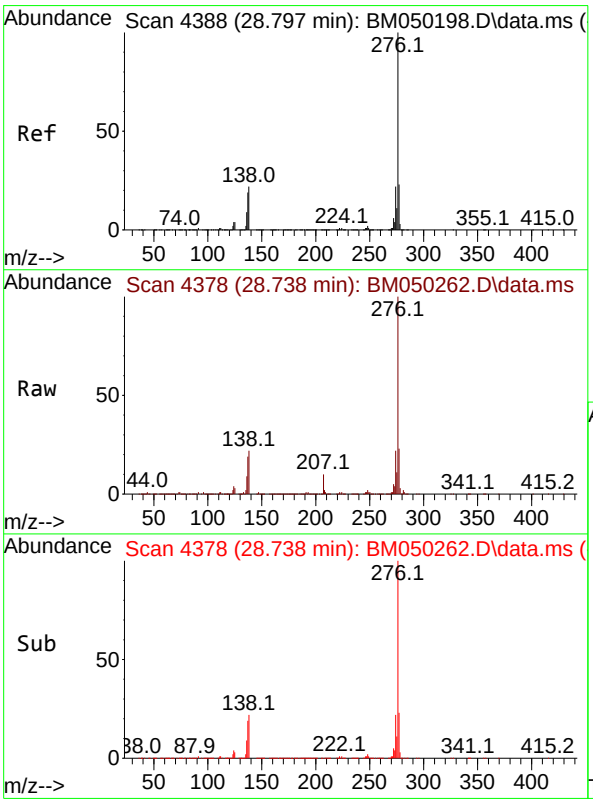
Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.8	19.2
279	23.7	18.6	28.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

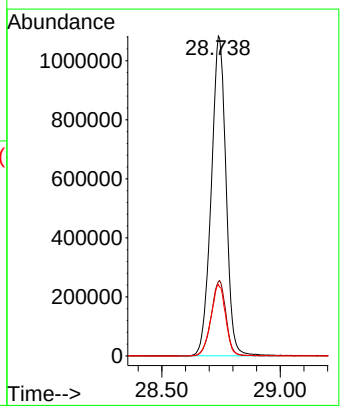




#92
Benzo(g,h,i)perylene
Concen: 42.844 ng
RT: 28.738 min Scan# 4378
Delta R.T. -0.012 min
Lab File: BM050262.D
Acq: 10 Jun 2025 04:48

Tgt Ion:276 Resp: 4684760

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	27.8
138	22.3	17.8	26.6



Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	149	0.00
2		1,4-Dioxane	0.526	0.542	-3.0	169#	0.00
3		Pyridine	1.361	1.448	-6.4	165#	0.00
4		n-Nitrosodimethylamine	0.281	0.305	-8.5	168#	0.00
5	S	2-Fluorophenol	1.199	1.232	-2.8	160#	0.00
6		Aniline	2.086	2.092	-0.3	151#	0.00
7	S	Phenol-d6	1.578	1.600	-1.4	153#	0.00
8		2-Chlorophenol	1.319	1.338	-1.4	154#	0.00
9		Benzaldehyde	1.003	0.967	3.6	164#	0.00
10	C	Phenol	1.670	1.704	-2.0	155#	0.00
11		bis(2-Chloroethyl)ether	1.343	1.373	-2.2	156#	0.00
12		1,3-Dichlorobenzene	1.474	1.439	2.4	152#	0.00
13	C	1,4-Dichlorobenzene	1.534	1.485	3.2	153#	0.00
14		1,2-Dichlorobenzene	1.462	1.430	2.2	152#	0.00
15		Benzyl Alcohol	1.126	1.143	-1.5	150	0.00
16		2,2'-oxybis(1-Chloropropane	0.933	1.118	-19.8	183#	0.00
17		2-Methylphenol	1.102	1.105	-0.3	149	0.00
18		Hexachloroethane	0.556	0.579	-4.1	162#	0.00
19	P	n-Nitroso-di-n-propylamine	0.966	1.010	-4.6	151#	0.00
20		3+4-Methylphenols	1.474	1.472	0.1	146	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	143	0.00
22		Acetophenone	0.500	0.498	0.4	149	0.00
23	S	Nitrobenzene-d5	0.385	0.405	-5.2	153#	0.00
24		Nitrobenzene	0.350	0.366	-4.6	154#	0.00
25		Isophorone	0.664	0.664	0.0	144	0.00
26	C	2-Nitrophenol	0.151	0.156	-3.3	143	0.00
27		2,4-Dimethylphenol	0.310	0.307	1.0	144	0.00
28		bis(2-Chloroethoxy)methane	0.434	0.449	-3.5	150	0.00
29	C	2,4-Dichlorophenol	0.287	0.284	1.0	141	0.00
30		1,2,4-Trichlorobenzene	0.319	0.312	2.2	146	0.00
31		Naphthalene	1.034	1.006	2.7	147	0.00
32		Benzoic acid	0.195	0.151	22.6	105	0.00
33		4-Chloroaniline	0.441	0.433	1.8	143	0.00
34	C	Hexachlorobutadiene	0.190	0.181	4.7	142	0.00
35		Caprolactam	0.091	0.088	3.3	129	0.01
36	C	4-Chloro-3-methylphenol	0.306	0.302	1.3	138	0.00
37		2-Methylnaphthalene	0.624	0.605	3.0	140	0.00
38		1-Methylnaphthalene	0.662	0.644	2.7	141	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	131	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.570	1.4	138	0.00
41	P	Hexachlorocyclopentadiene	0.351	0.358	-2.0	137	0.00
42	S	2,4,6-Tribromophenol	0.227	0.228	-0.4	129	0.00
43	C	2,4,6-Trichlorophenol	0.380	0.384	-1.1	134	0.00
44		2,4,5-Trichlorophenol	0.417	0.418	-0.2	132	0.00
45	S	2-Fluorobiphenyl	1.477	1.442	2.4	137	0.00
46		1,1'-Biphenyl	1.498	1.476	1.5	138	0.00
47		2-Chloronaphthalene	1.164	1.145	1.6	138	0.00

Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.256	0.296	-15.6	144	0.00
49		Acenaphthylene	1.883	1.863	1.1	134	0.00
50		Dimethylphthalate	1.353	1.338	1.1	130	0.00
51		2,6-Dinitrotoluene	0.273	0.287	-5.1	130	0.00
52	C	Acenaphthene	1.178	1.097	6.9	127	0.00
53		3-Nitroaniline	0.304	0.322	-5.9	130	0.00
54	P	2,4-Dinitrophenol	0.146	0.058	60.3#	50#	0.00
55		Dibenzofuran	1.723	1.686	2.1	133	0.00
56	P	4-Nitrophenol	0.259	0.266	-2.7	127	0.00
57		2,4-Dinitrotoluene	0.360	0.377	-4.7	125	0.00
58		Fluorene	1.320	1.281	3.0	132	0.00
59		2,3,4,6-Tetrachlorophenol	0.361	0.354	1.9	127	0.00
60		Diethylphthalate	1.342	1.344	-0.1	131	0.00
61		4-Chlorophenyl-phenylether	0.638	0.622	2.5	133	0.00
62		4-Nitroaniline	0.285	0.303	-6.3	129	0.00
63		Azobenzene	1.341	1.381	-3.0	138	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	123	0.00
65		4,6-Dinitro-2-methylphenol	0.109	0.068	37.6#	75	0.00
66	c	n-Nitrosodiphenylamine	0.628	0.624	0.6	129	0.00
67		4-Bromophenyl-phenylether	0.213	0.212	0.5	128	0.00
68		Hexachlorobenzene	0.249	0.248	0.4	129	0.00
69		Atrazine	0.200	0.207	-3.5	124	0.00
70	C	Pentachlorophenol	0.162	0.224	-38.3#	169#	0.00
71		Phenanthrene	1.143	1.117	2.3	128	0.00
72		Anthracene	1.143	1.125	1.6	128	0.00
73		Carbazole	1.041	1.038	0.3	127	0.00
74		Di-n-butylphthalate	1.133	1.226	-8.2	130	0.00
75	C	Fluoranthene	1.205	1.223	-1.5	128	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	133	0.00
77		Benzidine	0.562	0.630	-12.1	135	0.00
78		Pyrene	1.348	1.288	4.5	129	0.00
79	S	Terphenyl-d14	1.055	1.019	3.4	134	0.00
80		Butylbenzylphthalate	0.450	0.493	-9.6	133	0.00
81		Benzo(a)anthracene	1.266	1.246	1.6	136	0.00
82		3,3'-Dichlorobenzidine	0.386	0.426	-10.4	136	0.00
83		Chrysene	1.204	1.189	1.2	137	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.784	-13.1	140	-0.01
85	c	Di-n-octyl phthalate	1.028	1.197	-16.4	142	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	148	0.00
87		Indeno(1,2,3-cd)pyrene	1.288	1.368	-6.2	170#	-0.01
88		Benzo(b)fluoranthene	1.163	1.171	-0.7	148	0.00
89		Benzo(k)fluoranthene	1.187	1.165	1.9	148	0.00
90	C	Benzo(a)pyrene	1.093	1.115	-2.0	153#	0.00
91		Dibenzo(a,h)anthracene	1.045	1.119	-7.1	171#	0.00
92		Benzo(g,h,i)perylene	1.046	1.121	-7.2	174#	-0.01

Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	149	0.00
2		1,4-Dioxane	40.000	41.272	-3.2	169	0.00
3		Pyridine	40.000	42.552	-6.4	165	0.00
4		n-Nitrosodimethylamine	40.000	43.394	-8.5	168	0.00
5	S	2-Fluorophenol	80.000	82.193	-2.7	160	0.00
6		Aniline	40.000	40.106	-0.3	151	0.00
7	S	Phenol-d6	80.000	81.099	-1.4	153	0.00
8		2-Chlorophenol	40.000	40.570	-1.4	154	0.00
9		Benzaldehyde	40.000	38.531	3.7	164	0.00
10	C	Phenol	40.000	40.818	-2.0	155	0.00
11		bis(2-Chloroethyl)ether	40.000	40.887	-2.2	156	0.00
12		1,3-Dichlorobenzene	40.000	39.041	2.4	152	0.00
13	C	1,4-Dichlorobenzene	40.000	38.711	3.2	153	0.00
14		1,2-Dichlorobenzene	40.000	39.103	2.2	152	0.00
15		Benzyl Alcohol	40.000	40.632	-1.6	150	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	47.910	-19.8	183	0.00
17		2-Methylphenol	40.000	40.123	-0.3	149	0.00
18		Hexachloroethane	40.000	41.682	-4.2	162	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.848	-4.6	151	0.00
20		3+4-Methylphenols	40.000	39.946	0.1	146	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	143	0.00
22		Acetophenone	40.000	39.858	0.4	149	0.00
23	S	Nitrobenzene-d5	80.000	84.250	-5.3	153	0.00
24		Nitrobenzene	40.000	41.871	-4.7	154	0.00
25		Isophorone	40.000	40.035	-0.1	144	0.00
26	C	2-Nitrophenol	40.000	41.282	-3.2	143	0.00
27		2,4-Dimethylphenol	40.000	39.596	1.0	144	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.378	-3.4	150	0.00
29	C	2,4-Dichlorophenol	40.000	39.545	1.1	141	0.00
30		1,2,4-Trichlorobenzene	40.000	39.014	2.5	146	0.00
31		Naphthalene	40.000	38.926	2.7	147	0.00
32		Benzoic acid	40.000	30.923	22.7	105	0.00
33		4-Chloroaniline	40.000	39.291	1.8	143	0.00
34	C	Hexachlorobutadiene	40.000	38.141	4.6	142	0.00
35		Caprolactam	40.000	38.607	3.5	129	0.01
36	C	4-Chloro-3-methylphenol	40.000	39.501	1.2	138	0.00
37		2-Methylnaphthalene	40.000	38.773	3.1	140	0.00
38		1-Methylnaphthalene	40.000	38.905	2.7	141	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	131	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.499	1.3	138	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.868	-2.2	137	0.00
42	S	2,4,6-Tribromophenol	80.000	80.252	-0.3	129	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.432	-1.1	134	0.00
44		2,4,5-Trichlorophenol	40.000	40.133	-0.3	132	0.00
45	S	2-Fluorobiphenyl	80.000	78.077	2.4	137	0.00
46		1,1'-Biphenyl	40.000	39.432	1.4	138	0.00
47		2-Chloronaphthalene	40.000	39.343	1.6	138	0.00

Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.242	-15.6	144	0.00
49		Acenaphthylene	40.000	39.574	1.1	134	0.00
50		Dimethylphthalate	40.000	39.566	1.1	130	0.00
51		2,6-Dinitrotoluene	40.000	42.082	-5.2	130	0.00
52	C	Acenaphthene	40.000	37.260	6.9	127	0.00
53		3-Nitroaniline	40.000	42.411	-6.0	130	0.00
54	P	2,4-Dinitrophenol	40.000	17.614	56.0#	50	0.00
55		Dibenzofuran	40.000	39.138	2.2	133	0.00
56	P	4-Nitrophenol	40.000	41.052	-2.6	127	0.00
57		2,4-Dinitrotoluene	40.000	41.961	-4.9	125	0.00
58		Fluorene	40.000	38.838	2.9	132	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.241	1.9	127	0.00
60		Diethylphthalate	40.000	40.067	-0.2	131	0.00
61		4-Chlorophenyl-phenylether	40.000	39.017	2.5	133	0.00
62		4-Nitroaniline	40.000	42.568	-6.4	129	0.00
63		Azobenzene	40.000	41.194	-3.0	138	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	123	0.00
65		4,6-Dinitro-2-methylphenol	40.000	24.779	38.1#	75	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.721	0.7	129	0.00
67		4-Bromophenyl-phenylether	40.000	39.697	0.8	128	0.00
68		Hexachlorobenzene	40.000	39.865	0.3	129	0.00
69		Atrazine	40.000	41.337	-3.3	124	0.00
70	C	Pentachlorophenol	40.000	55.421	-38.6#	169	0.00
71		Phenanthrene	40.000	39.123	2.2	128	0.00
72		Anthracene	40.000	39.385	1.5	128	0.00
73		Carbazole	40.000	39.880	0.3	127	0.00
74		Di-n-butylphthalate	40.000	43.289	-8.2	130	0.00
75	C	Fluoranthene	40.000	40.590	-1.5	128	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	133	0.00
77		Benzidine	40.000	44.801	-12.0	135	0.00
78		Pyrene	40.000	38.210	4.5	129	0.00
79	S	Terphenyl-d14	80.000	77.259	3.4	134	0.00
80		Butylbenzylphthalate	40.000	43.849	-9.6	133	0.00
81		Benzo(a)anthracene	40.000	39.375	1.6	136	0.00
82		3,3'-Dichlorobenzidine	40.000	44.182	-10.5	136	0.00
83		Chrysene	40.000	39.507	1.2	137	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.251	-13.1	140	-0.01
85	c	Di-n-octyl phthalate	40.000	46.575	-16.4	142	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	148	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.482	-6.2	170	-0.01
88		Benzo(b)fluoranthene	40.000	40.276	-0.7	148	0.00
89		Benzo(k)fluoranthene	40.000	39.246	1.9	148	0.00
90	C	Benzo(a)pyrene	40.000	40.782	-2.0	153	0.00
91		Dibenzo(a,h)anthracene	40.000	42.817	-7.0	171	0.00
92		Benzo(g,h,i)perylene	40.000	42.844	-7.1	174	-0.01

Sample Results: **BM050262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.175		-1.9	
Benzaldehyde	0.914	0.893		-2.3	
Phenol-d6	1.585	1.601		1.0	
Phenol	1.634	1.666		2.0	20.0
bis(2-Chloroethyl)ether	1.285	1.280		-0.4	
2-Chlorophenol	1.358	1.342		-1.2	
2-Methylphenol	1.141	1.152		1.0	
2,2-oxybis(1-Chloropropane)	1.682	1.631		-3.0	
Acetophenone	0.505	0.492		-2.6	
3+4-Methylphenols	1.557	1.575		1.2	
n-Nitroso-di-n-propylamine	1.078	1.088	0.050	0.9	
Nitrobenzene-d5	0.412	0.405		-1.7	
Hexachloroethane	0.576	0.542		-5.9	
Nitrobenzene	0.366	0.359		-1.9	
Isophorone	0.713	0.693		-2.8	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.309	0.303		-1.9	
bis(2-Chloroethoxy)methane	0.426	0.409		-4.0	
2,4-Dichlorophenol	0.296	0.296		0.0	20.0
Naphthalene	1.025	0.984		-4.0	
4-Chloroaniline	0.429	0.434		1.2	
Hexachlorobutadiene	0.201	0.187		-7.0	20.0
Caprolactam	0.109	0.112		2.8	
4-Chloro-3-methylphenol	0.342	0.347		1.5	20.0
2-Methylnaphthalene	0.650	0.642		-1.2	
Hexachlorocyclopentadiene	0.346	0.332	0.050	-4.0	
2,4,6-Trichlorophenol	0.381	0.373		-2.1	20.0
2-Fluorobiphenyl	1.485	1.394		-6.1	
2,4,5-Trichlorophenol	0.408	0.416		2.0	
1,1-Biphenyl	1.453	1.381		-5.0	
2-Chloronaphthalene	1.117	1.069		-4.3	
2-Nitroaniline	0.343	0.351		2.3	
Dimethylphthalate	1.475	1.400		-5.1	
Acenaphthylene	1.863	1.770		-5.0	
2,6-Dinitrotoluene	0.318	0.308		-3.1	
3-Nitroaniline	0.330	0.343		3.9	
Acenaphthene	1.067	1.029		-3.6	20.0
2,4-Dinitrophenol	0.178	0.182	0.050	2.2	
4-Nitrophenol	0.239	0.252	0.050	5.4	

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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.630		-4.8	
2,4-Dinitrotoluene	0.445	0.443		-0.4	
Diethylphthalate	1.470	1.395		-5.1	
4-Chlorophenyl-phenylether	0.677	0.627		-7.4	
Fluorene	1.384	1.326		-4.2	
4-Nitroaniline	0.299	0.327		9.4	
4,6-Dinitro-2-methylphenol	0.131	0.131		0.0	
n-Nitrosodiphenylamine	0.620	0.596		-3.9	20.0
2,4,6-Tribromophenol	0.277	0.273		-1.4	
4-Bromophenyl-phenylether	0.226	0.216		-4.4	
Hexachlorobenzene	0.274	0.261		-4.7	
Atrazine	0.225	0.214		-4.9	
Pentachlorophenol	0.142	0.150		5.6	20.0
Phenanthrene	1.105	1.056		-4.4	
Anthracene	1.119	1.067		-4.6	
Carbazole	1.038	1.005		-3.2	
Di-n-butylphthalate	1.285	1.195		-7.0	
Fluoranthene	1.281	1.200		-6.3	20.0
Pyrene	1.249	1.182		-5.4	
Terphenyl-d14	1.116	1.046		-6.3	
Butylbenzylphthalate	0.572	0.544		-4.9	
3,3-Dichlorobenzidine	0.508	0.491		-3.3	
Benzo(a)anthracene	1.279	1.229		-3.9	
Chrysene	1.212	1.154		-4.8	
Bis(2-ethylhexyl)phthalate	0.820	0.772		-5.9	
Di-n-octyl phthalate	1.445	1.351		-6.5	20.0
Benzo(b)fluoranthene	1.145	1.096		-4.3	
Benzo(k)fluoranthene	1.165	1.086		-6.8	
Benzo(a)pyrene	1.118	1.057		-5.5	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.436		-1.6	
Dibenzo(a,h)anthracene	1.188	1.170		-1.5	
Benzo(g,h,i)perylene	1.179	1.158		-1.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.541		-4.8	
1,4-Dioxane	0.527	0.520		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.364		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	255229	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1115940	20.000	ng		0.00
39) Acenaphthene-d10	14.242	164	722087	20.000	ng		0.00
64) Phenanthrene-d10	17.048	188	1406327	20.000	ng		-0.01
76) Chrysene-d12	21.477	240	1456984	20.000	ng		0.00
86) Perylene-d12	24.724	264	1778909	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	1199496	78.447	ng		0.00
7) Phenol-d6	6.813	99	1634108	80.773	ng		0.00
23) Nitrobenzene-d5	8.760	82	1808189	78.737	ng		0.00
42) 2,4,6-Tribromophenol	15.772	330	787365	78.869	ng		-0.01
45) 2-Fluorobiphenyl	12.854	172	4025076	75.092	ng		0.00
79) Terphenyl-d14	19.772	244	6095445	74.981	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.167	88	265533	39.467	ng		99
3) Pyridine	3.567	79	689182	42.594	ng		98
4) n-Nitrosodimethylamine	3.478	42	267010	40.365	ng		100
6) Aniline	6.949	93	1049995	40.669	ng		98
8) 2-Chlorophenol	7.184	128	685280	39.534	ng		98
9) Benzaldehyde	6.766	77	455649m	39.075	ng		
10) Phenol	6.837	94	850419	40.776	ng		99
11) bis(2-Chloroethyl)ether	7.043	93	653387	39.832	ng		99
12) 1,3-Dichlorobenzene	7.496	146	732347	37.873	ng		98
13) 1,4-Dichlorobenzene	7.643	146	745968	38.233	ng		99
14) 1,2-Dichlorobenzene	7.955	146	717710	37.460	ng		99
15) Benzyl Alcohol	7.860	79	630051	40.579	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.137	45	832787	38.789	ng		98
17) 2-Methylphenol	8.066	107	588106	40.381	ng		99
18) Hexachloroethane	8.666	117	276609	37.656	ng		97
19) n-Nitroso-di-n-propyla...	8.413	70	555174	40.367	ng		99
20) 3+4-Methylphenols	8.396	107	804072	40.467	ng		97
22) Acetophenone	8.425	105	1098338	38.956	ng	#	100
24) Nitrobenzene	8.802	77	800749	39.249	ng		98
25) Isophorone	9.325	82	1547539	38.882	ng		99
26) 2-Nitrophenol	9.507	139	404106	40.144	ng		99
27) 2,4-Dimethylphenol	9.578	122	675766	39.225	ng		99
28) bis(2-Chloroethoxy)met...	9.796	93	912458	38.433	ng		99
29) 2,4-Dichlorophenol	10.049	162	661006	39.988	ng		99
30) 1,2,4-Trichlorobenzene	10.243	180	695864	37.323	ng		99
31) Naphthalene	10.425	128	2195188	38.386	ng		100
32) Benzoic acid	9.760	122	472238	40.563	ng		98
33) 4-Chloroaniline	10.549	127	968476	40.422	ng		100
34) Hexachlorobutadiene	10.707	225	418109	37.207	ng		99
35) Caprolactam	11.343	113	249771	41.048	ng		98
36) 4-Chloro-3-methylphenol	11.701	107	774660	40.629	ng		98
37) 2-Methylnaphthalene	12.043	142	1432131	39.479	ng		99
38) 1-Methylnaphthalene	12.260	142	1506506	38.845	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	781589	38.146	ng		100
41) Hexachlorocyclopentadiene	12.396	237	479050	38.332	ng		99
43) 2,4,6-Trichlorophenol	12.672	196	538063	39.103	ng		100

Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	600998	40.784	ng		98
46) 1,1'-Biphenyl	13.066	154	1994835	38.014	ng		99
47) 2-Chloronaphthalene	13.107	162	1543806	38.278	ng		99
48) 2-Nitroaniline	13.331	65	506207	40.825	ng		98
49) Acenaphthylene	13.966	152	2556300	38.013	ng		100
50) Dimethylphthalate	13.707	163	2022085	37.961	ng		100
51) 2,6-Dinitrotoluene	13.831	165	445371	38.784	ng		99
52) Acenaphthene	14.313	154	1485445	38.548	ng		99
53) 3-Nitroaniline	14.172	138	494719	41.514	ng		96
54) 2,4-Dinitrophenol	14.384	184	262463	38.223	ng		96
55) Dibenzofuran	14.654	168	2354168	38.059	ng		100
56) 4-Nitrophenol	14.525	139	364266	39.074	ng		98
57) 2,4-Dinitrotoluene	14.637	165	640380	39.866	ng		98
58) Fluorene	15.313	166	1914326	38.310	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	525400	39.904	ng		99
60) Diethylphthalate	15.084	149	2015313	37.963	ng		99
61) 4-Chlorophenyl-phenyle...	15.307	204	905582	37.065	ng		100
62) 4-Nitroaniline	15.354	138	472390	43.719	ng		95
63) Azobenzene	15.607	77	1883823	38.692	ng		99
65) 4,6-Dinitro-2-methylph...	15.413	198	367928	39.815	ng		95
66) n-Nitrosodiphenylamine	15.537	169	1675390	38.436	ng		99
67) 4-Bromophenyl-phenylether	16.225	248	606816	38.242	ng		98
68) Hexachlorobenzene	16.336	284	734824	38.199	ng		99
69) Atrazine	16.519	200	602255	38.113	ng		99
70) Pentachlorophenol	16.707	266	420547	42.241	ng		99
71) Phenanthrene	17.095	178	2969260	38.207	ng		99
72) Anthracene	17.189	178	3002181	38.143	ng		99
73) Carbazole	17.483	167	2826406	38.742	ng		100
74) Di-n-butylphthalate	18.054	149	3362066	37.195	ng		100
75) Fluoranthene	19.183	202	3375260	37.471	ng		99
77) Benzidine	19.383	184	1915629	42.452	ng		100
78) Pyrene	19.560	202	3443152	37.827	ng		100
80) Butylbenzylphthalate	20.507	149	1585622	38.030	ng		99
81) Benzo(a)anthracene	21.460	228	3579939	38.417	ng		99
82) 3,3'-Dichlorobenzidine	21.383	252	1431070	38.683	ng		99
83) Chrysene	21.524	228	3364139	38.101	ng		99
84) Bis(2-ethylhexyl)phtha...	21.389	149	2248290	37.636	ng		99
85) Di-n-octyl phthalate	22.630	149	3936161	37.383	ng		100
87) Indeno(1,2,3-cd)pyrene	28.412	276	5109505	39.367	ng	#	94
88) Benzo(b)fluoranthene	23.689	252	3899336	38.301	ng		99
89) Benzo(k)fluoranthene	23.765	252	3863940	37.286	ng		100
90) Benzo(a)pyrene	24.571	252	3762288	37.841	ng		99
91) Dibenzo(a,h)anthracene	28.465	278	4160909	39.385	ng		99
92) Benzo(g,h,i)perylene	29.553	276	4120588	39.310	ng		99

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

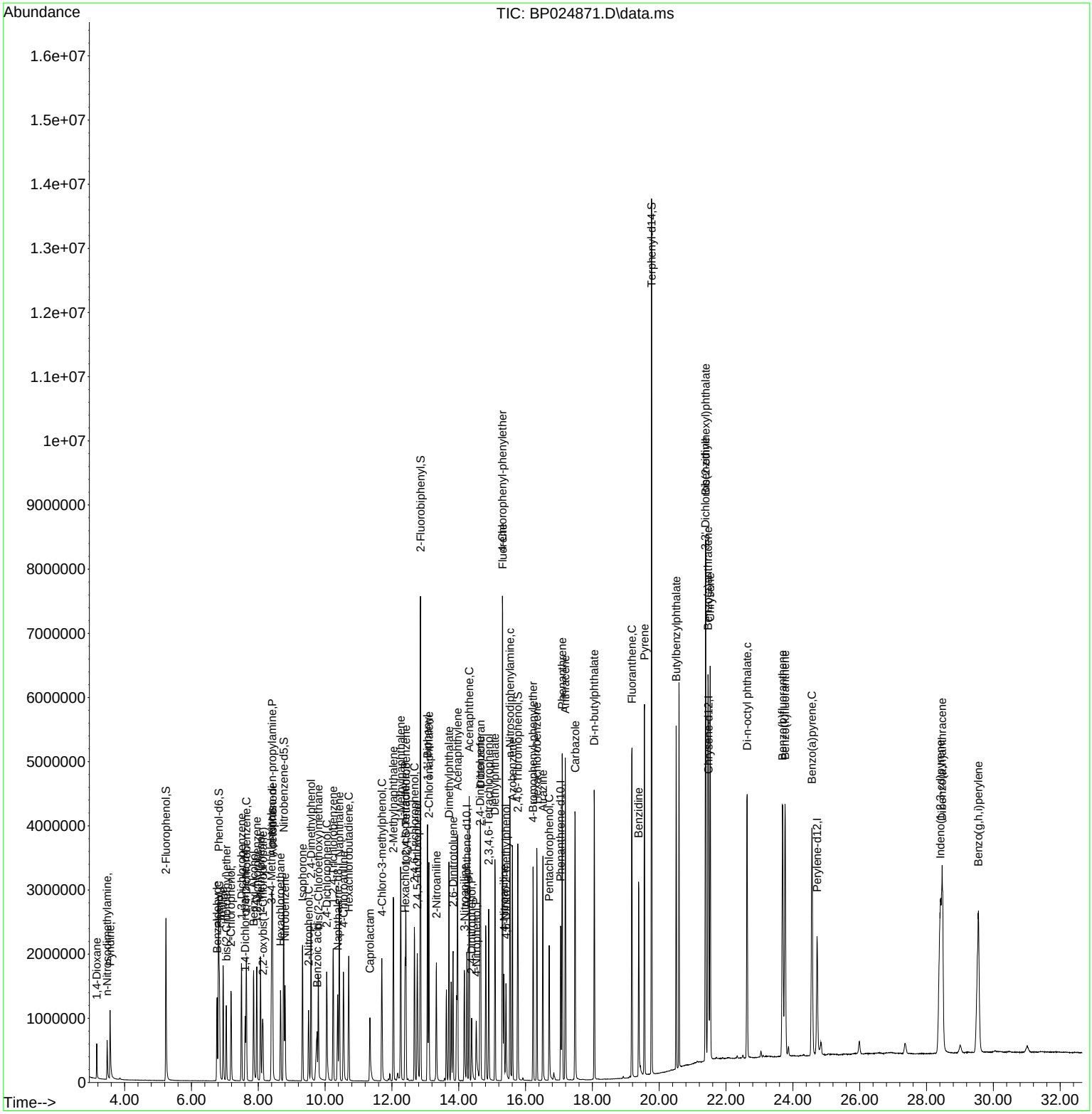
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

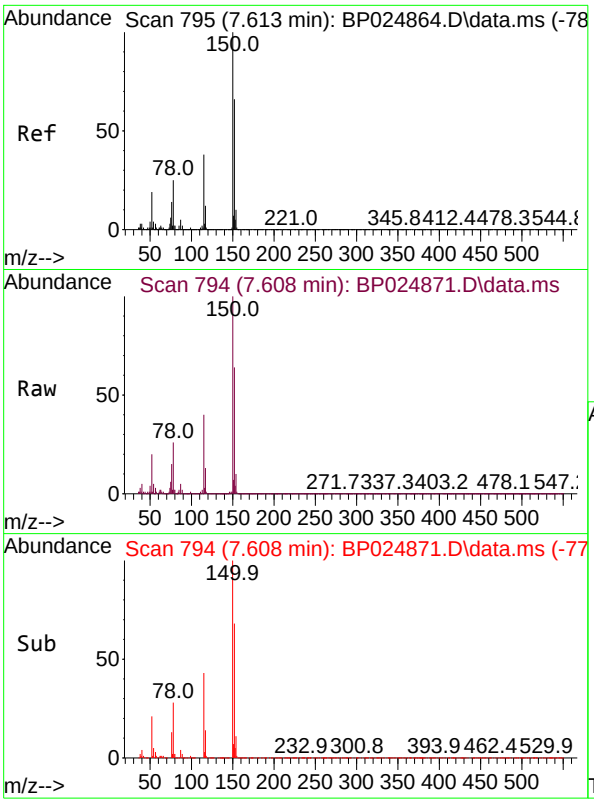
Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

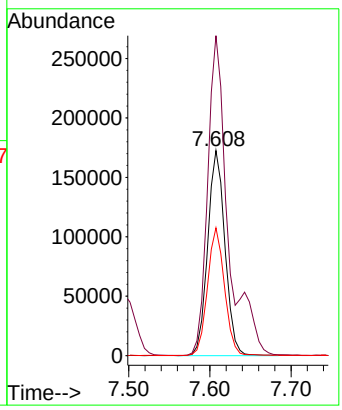




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:152 Resp: 25522

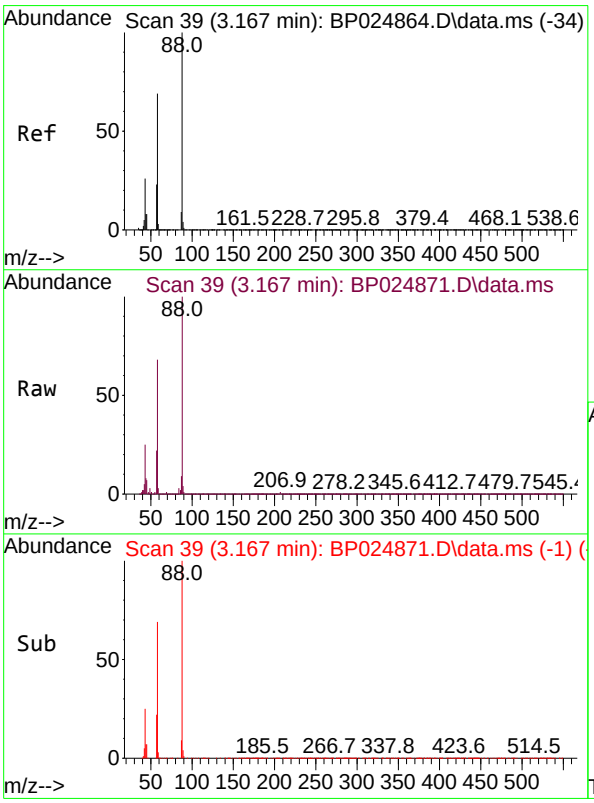
Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.1	183.1
115	62.3	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

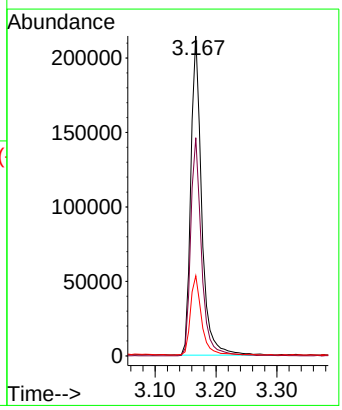
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

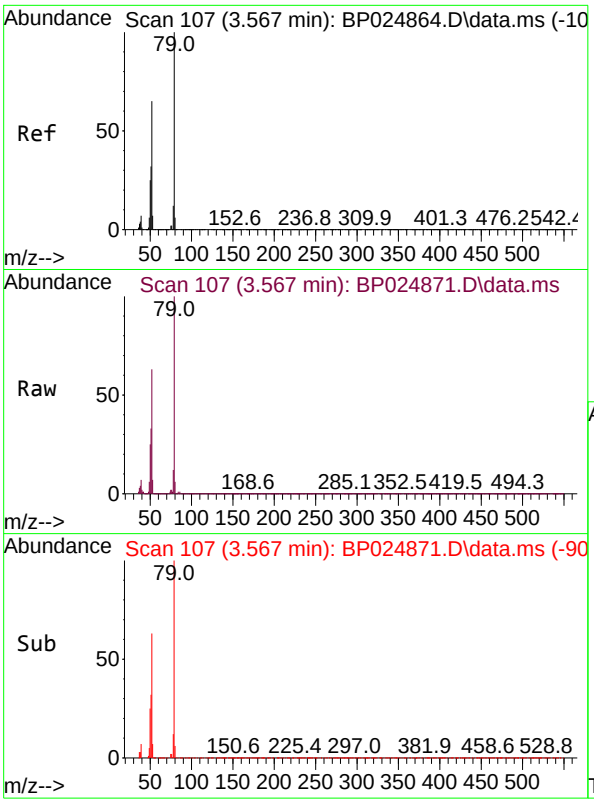


#2
1,4-Dioxane
Concen: 39.467 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 88 Resp: 265533

Ion	Ratio	Lower	Upper
88	100		
58	68.4	55.4	83.0
43	25.4	20.8	31.2

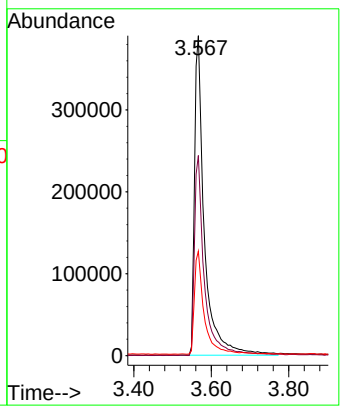




#3
Pyridine
Concen: 42.594 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 79 Resp: 68918

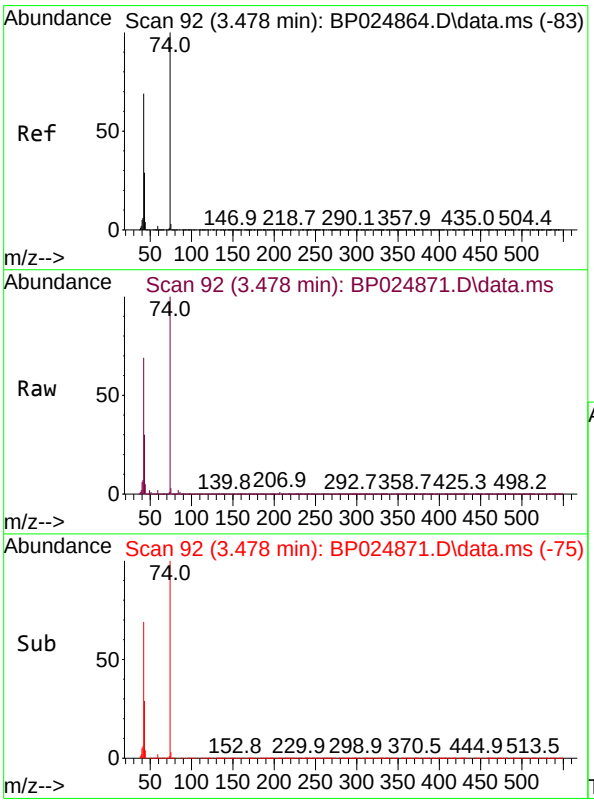
Ion	Ratio	Lower	Upper
79	100		
52	62.5	51.6	77.4
51	32.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

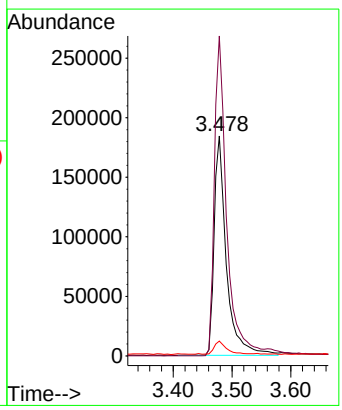
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

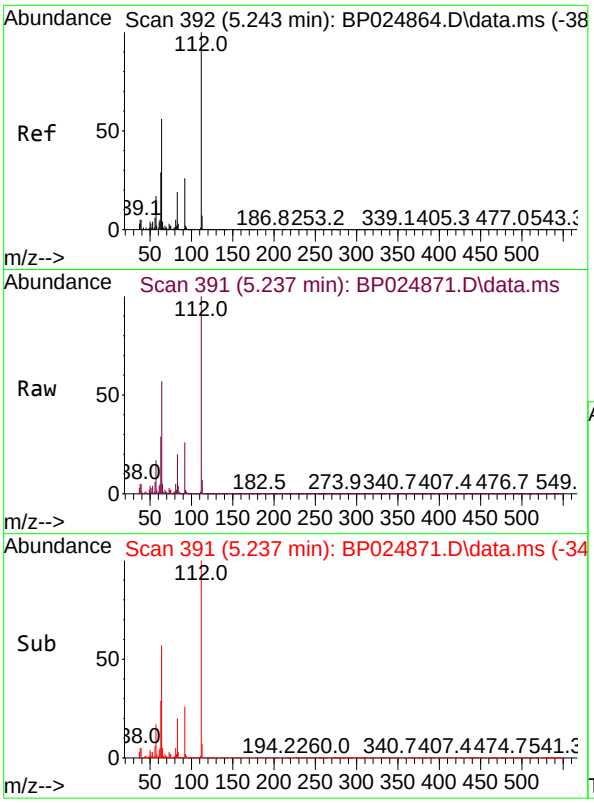


#4
n-Nitrosodimethylamine
Concen: 40.365 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 42 Resp: 267010

Ion	Ratio	Lower	Upper
42	100		
74	145.5	116.6	174.8
44	6.8	5.4	8.0

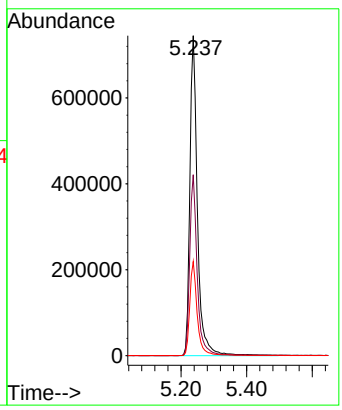




#5
2-Fluorophenol
Concen: 78.447 ng
RT: 5.237 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:112 Resp: 119949

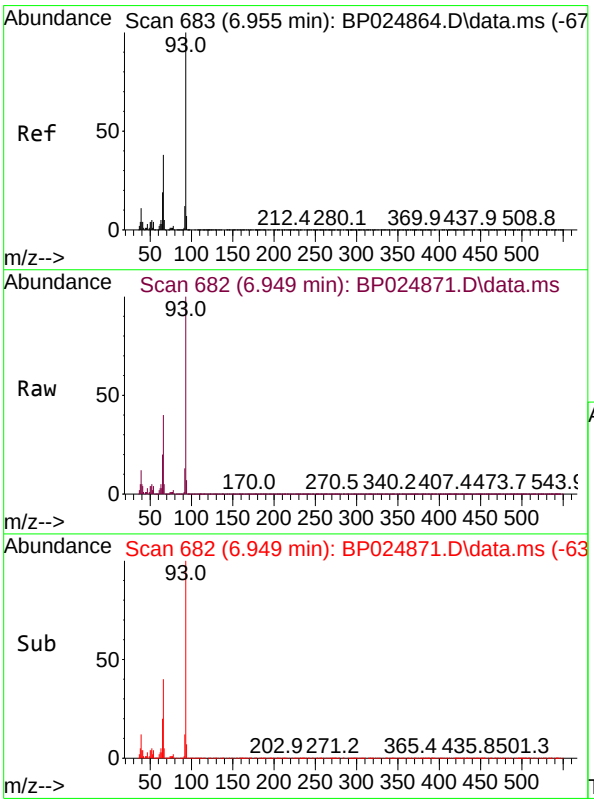
Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.7	67.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

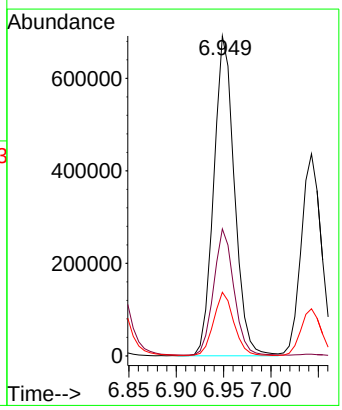
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

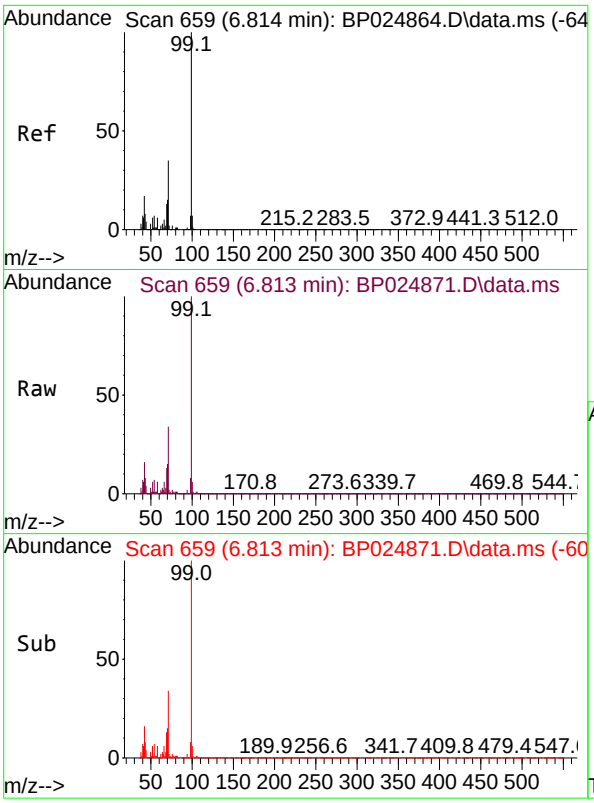


#6
Aniline
Concen: 40.669 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 1049995

Ion	Ratio	Lower	Upper
93	100		
66	39.7	30.9	46.3
65	19.9	15.5	23.3

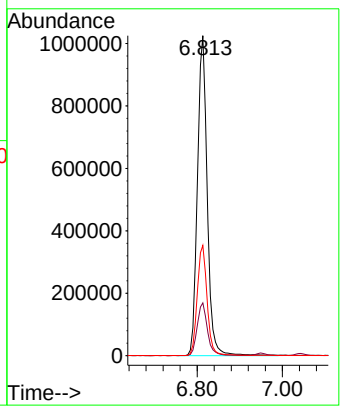




#7
Phenol-d6
Concen: 80.773 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 99 Resp: 163410

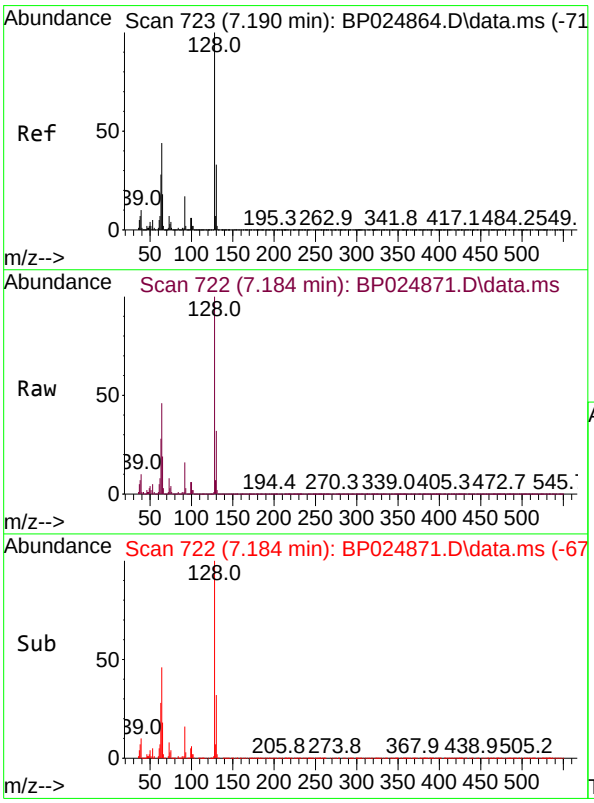
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.2
71	34.4	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

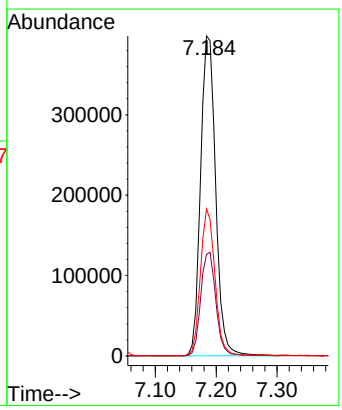
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

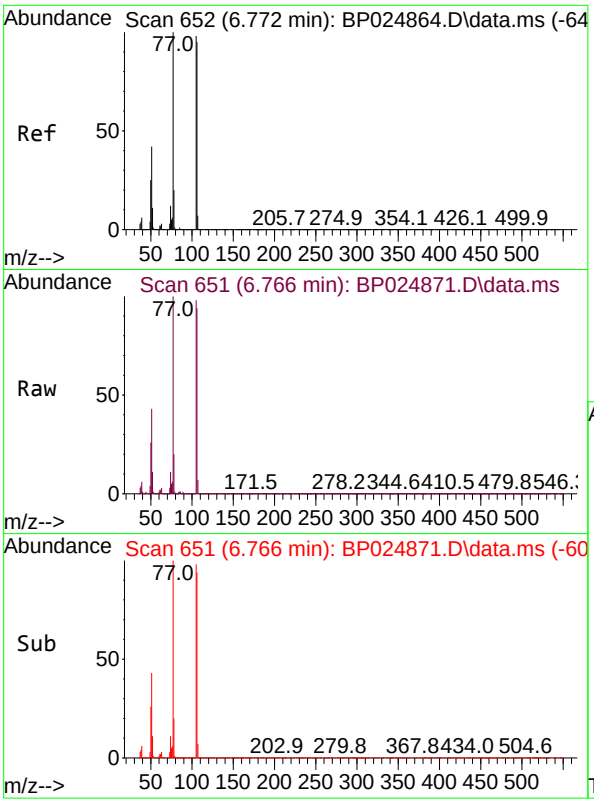


#8
2-Chlorophenol
Concen: 39.534 ng
RT: 7.184 min Scan# 722
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:128 Resp: 685280

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.6	52.6
64	45.9	24.1	64.1

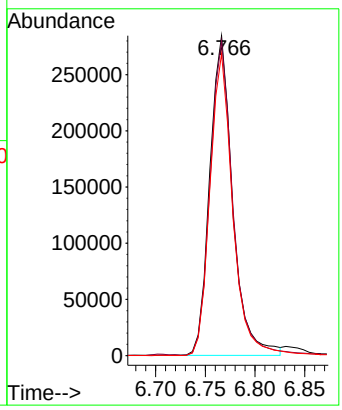




#9
Benzaldehyde
Concen: 39.075 ng m
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 77 Resp: 45564

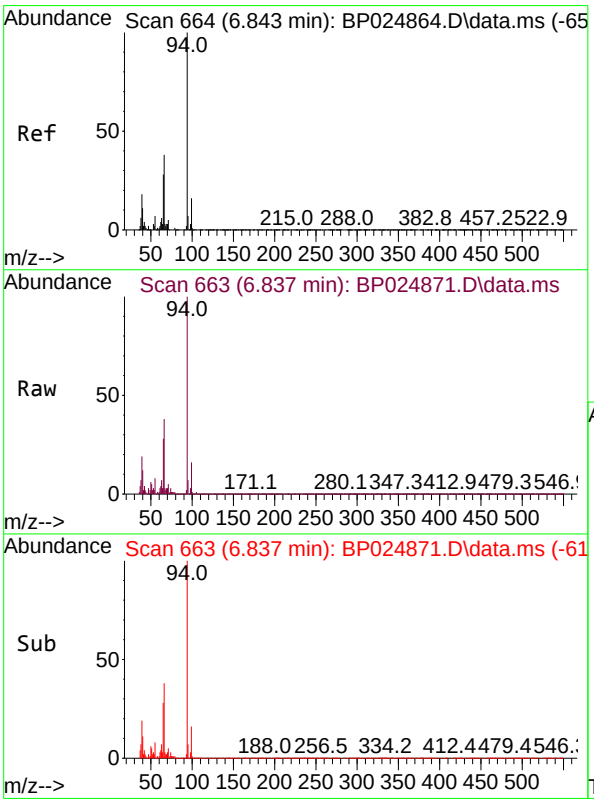
Ion	Ratio	Lower	Upper
77	100		
105	98.4	77.7	117.7
106	94.3	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

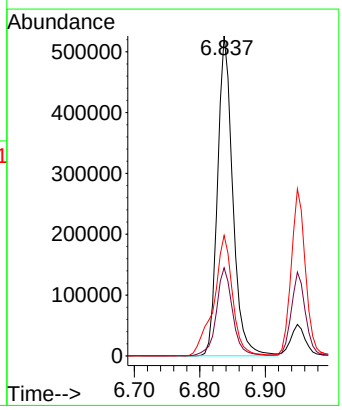
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

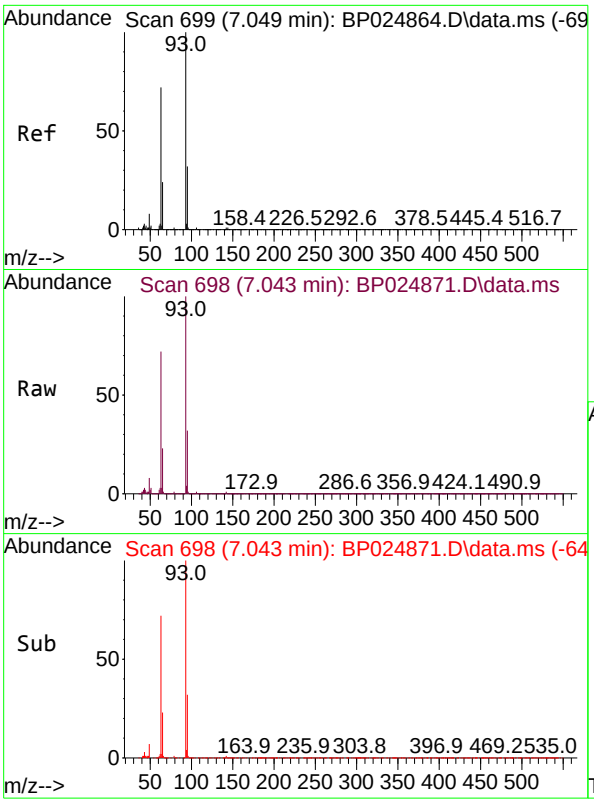


#10
Phenol
Concen: 40.776 ng
RT: 6.837 min Scan# 663
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 94 Resp: 850419

Ion	Ratio	Lower	Upper
94	100		
65	27.5	8.3	48.3
66	37.6	18.2	58.2

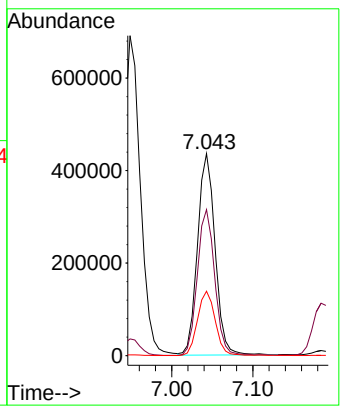




#11
bis(2-Chloroethyl)ether
Concen: 39.832 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 65338

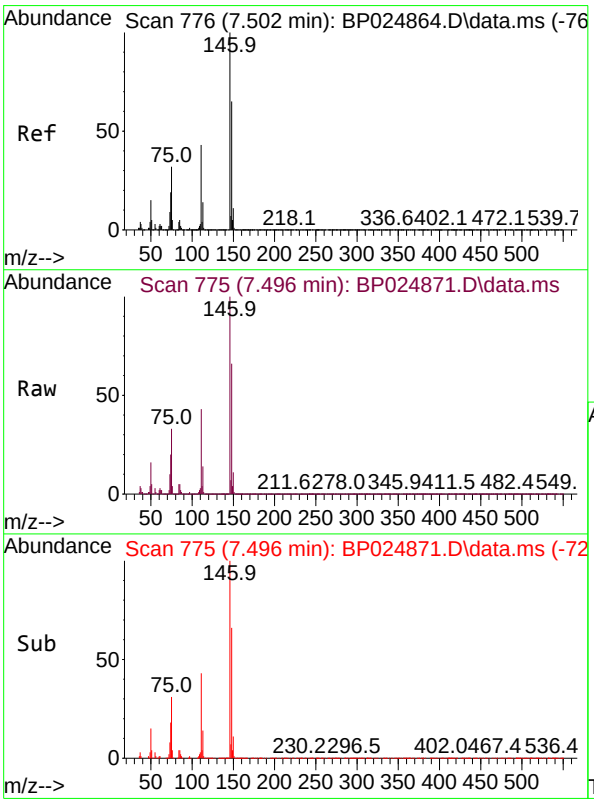
Ion	Ratio	Lower	Upper
93	100		
63	72.2	51.6	91.6
95	31.9	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

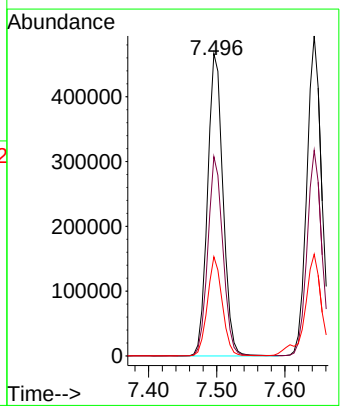
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

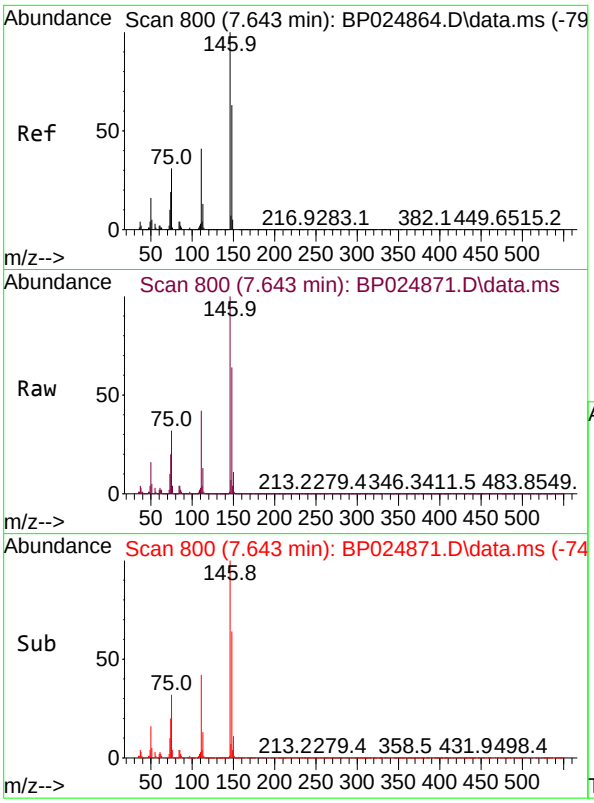


#12
1,3-Dichlorobenzene
Concen: 37.873 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 732347

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.8	77.8
75	32.8	25.3	37.9

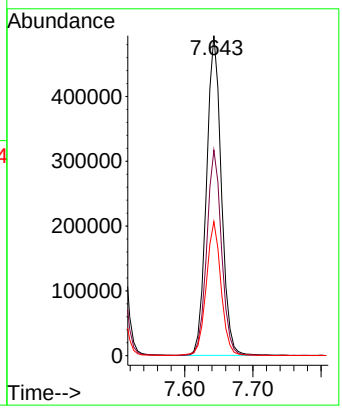




#13
1,4-Dichlorobenzene
Concen: 38.233 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 74596

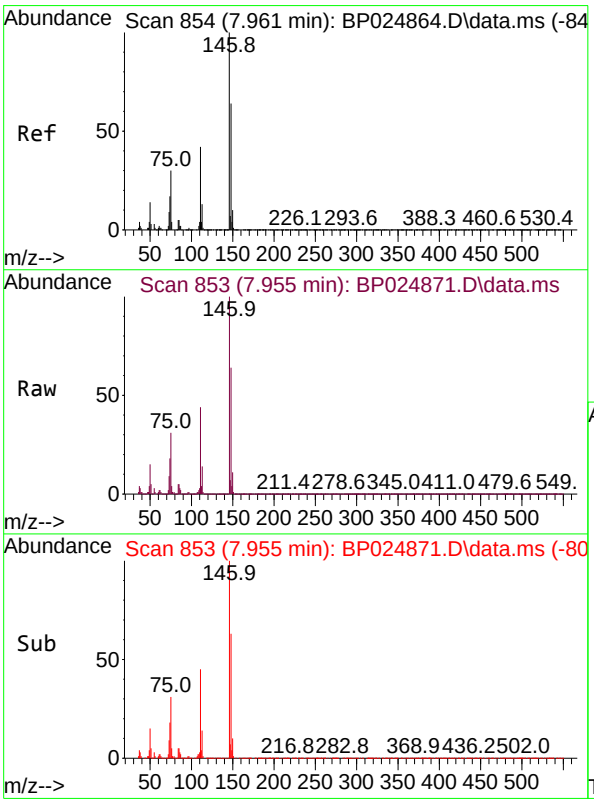
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	41.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

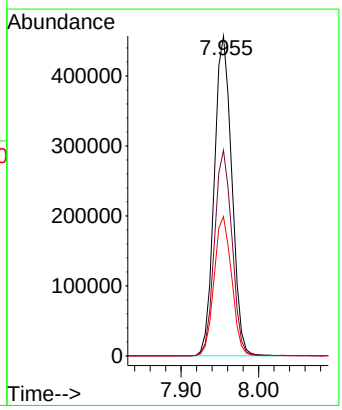
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

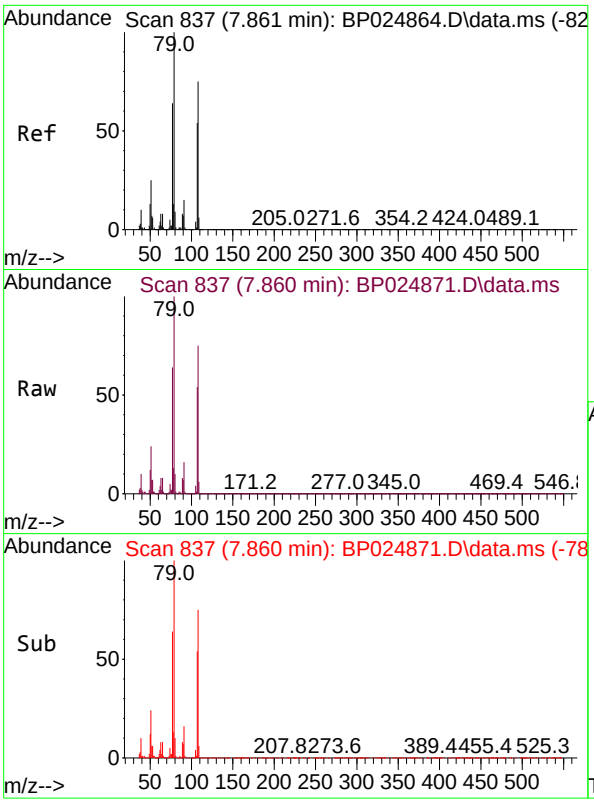


#14
1,2-Dichlorobenzene
Concen: 37.460 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 717710

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.5	33.8	50.8





#15
Benzyl Alcohol
Concen: 40.579 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

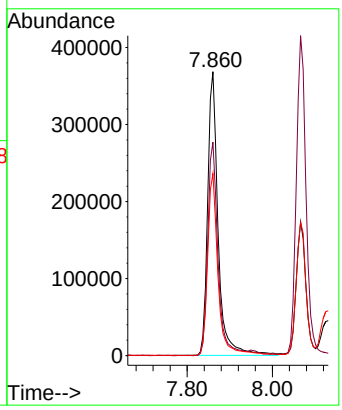
Tgt Ion: 79 Resp: 63005

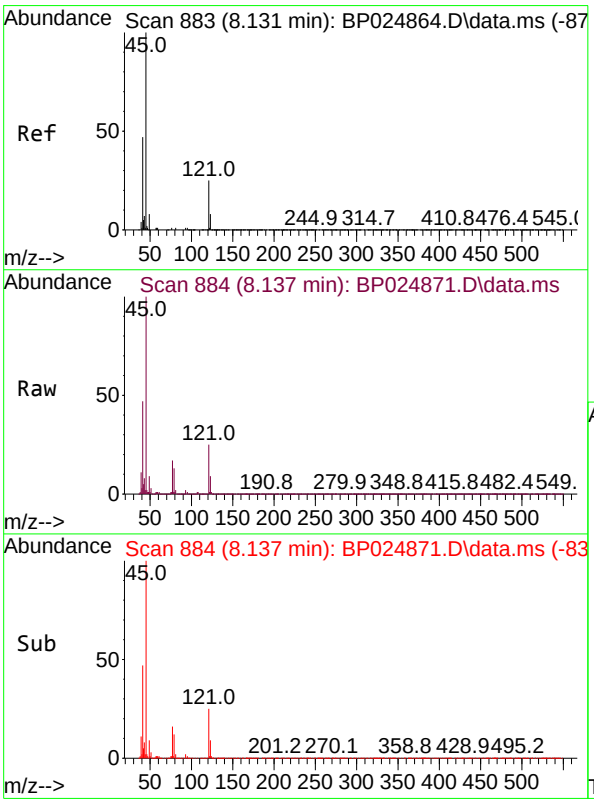
Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.2	90.4
77	64.1	51.2	76.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

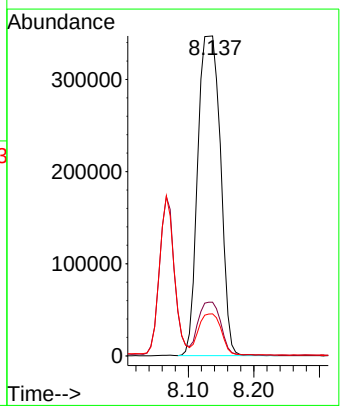


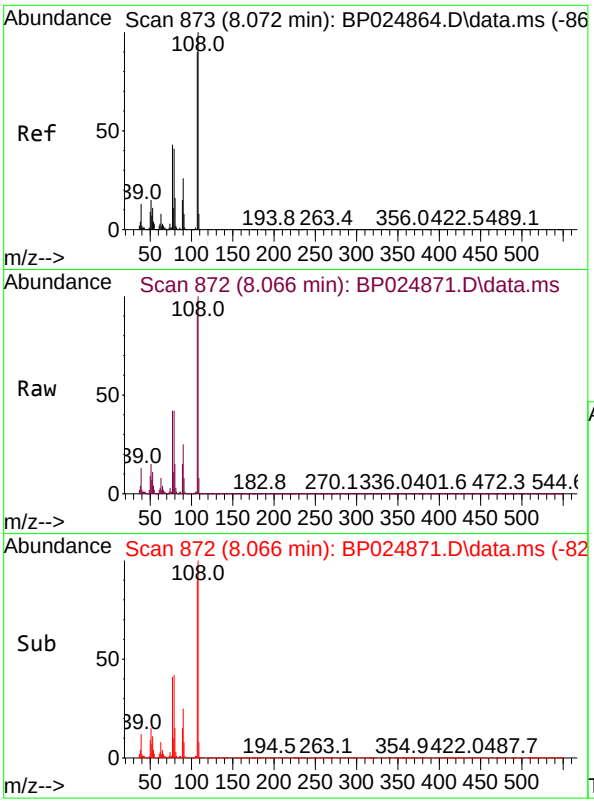


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.789 ng
RT: 8.137 min Scan# 884
Delta R.T. 0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 45 Resp: 832787

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	36.3
79	13.1	0.0	32.2

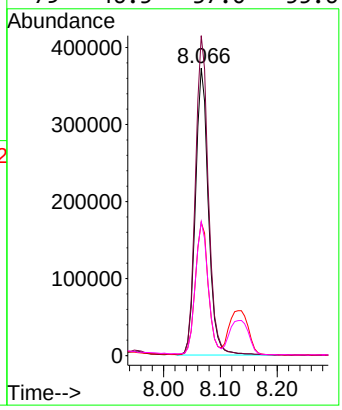




#17
2-Methylphenol
Concen: 40.381 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 58810

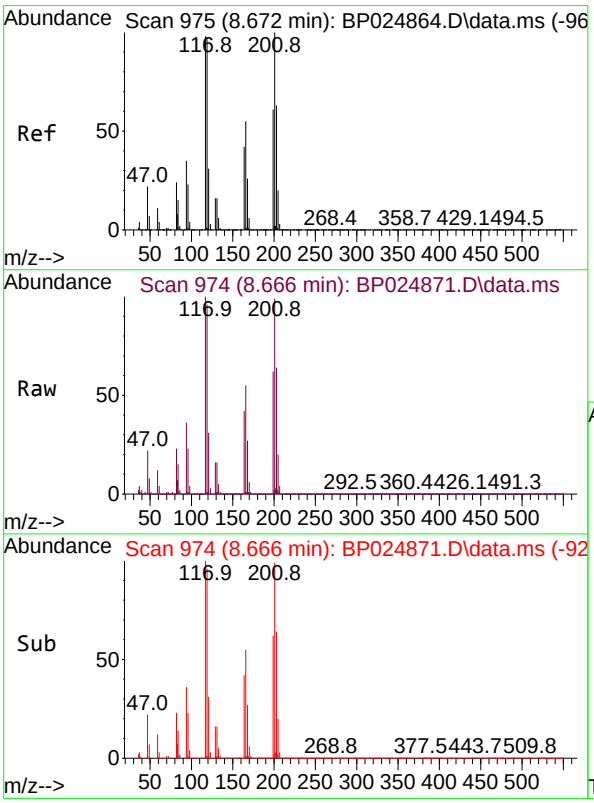
Ion	Ratio	Lower	Upper
107	100		
108	111.3	88.6	132.8
77	46.3	38.5	57.7
79	46.5	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

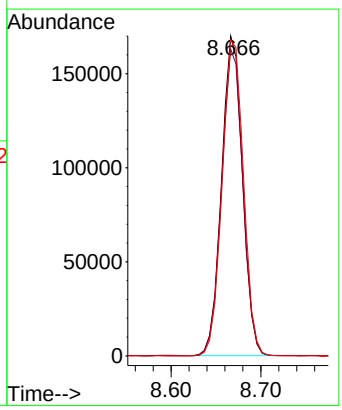
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

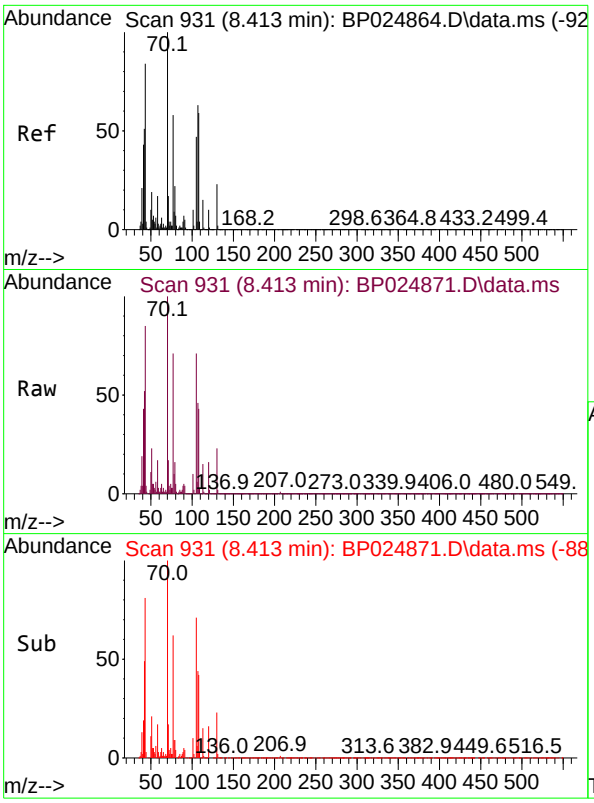


#18
Hexachloroethane
Concen: 37.656 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:117 Resp: 276609

Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.4	119.2
201	98.7	81.4	122.2

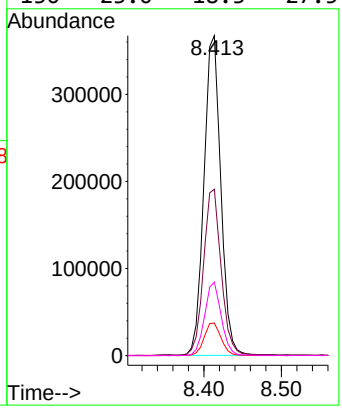




#19
n-Nitroso-di-n-propylamine
Concen: 40.367 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 70 Resp: 55517

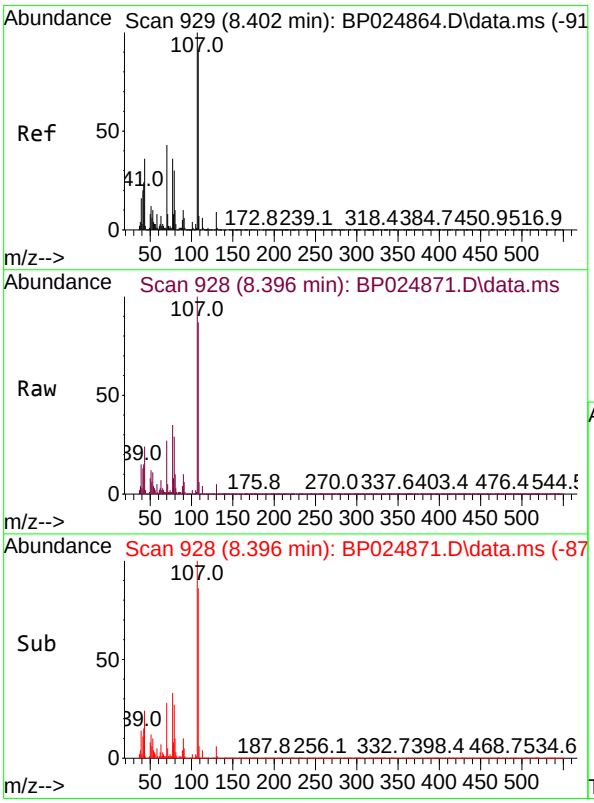
Ion	Ratio	Lower	Upper
70	100		
42	52.0	41.2	61.8
101	10.2	8.3	12.5
130	23.0	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

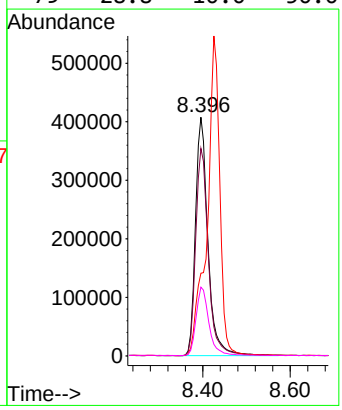
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

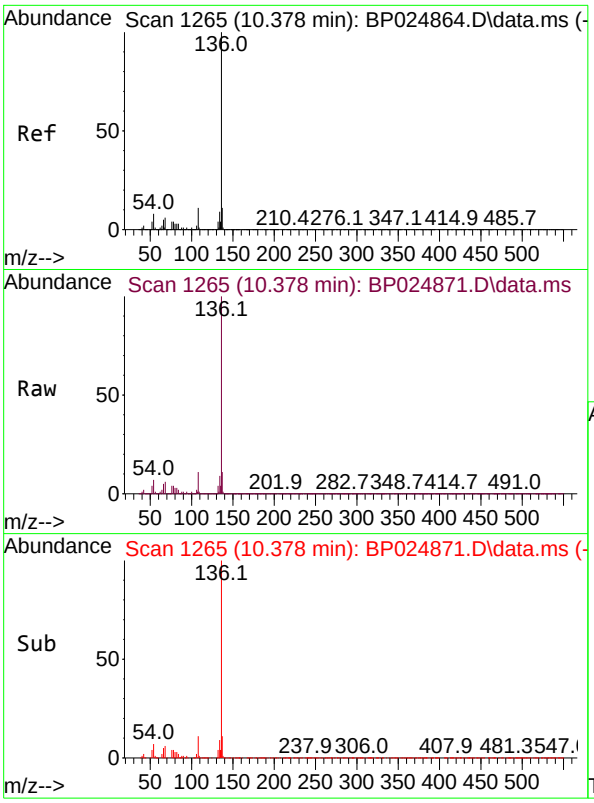


#20
3+4-Methylphenols
Concen: 40.467 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 804072

Ion	Ratio	Lower	Upper
107	100		
108	87.0	70.7	110.7
77	34.6	16.6	56.6
79	28.8	10.0	50.0

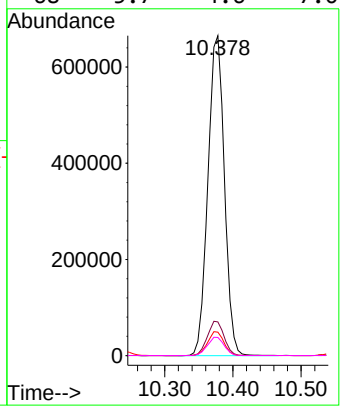




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:136 Resp: 111594

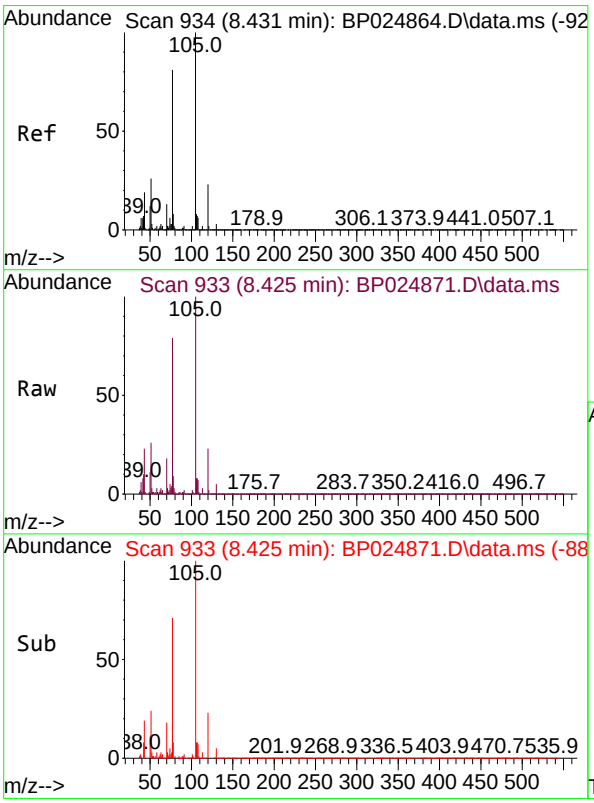
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.1	9.1
68	5.7	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

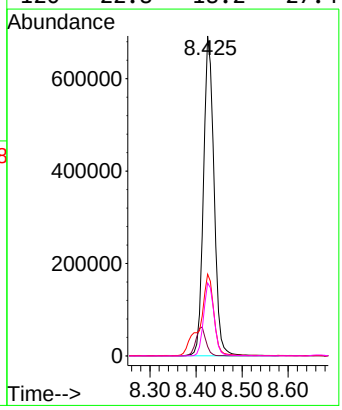
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

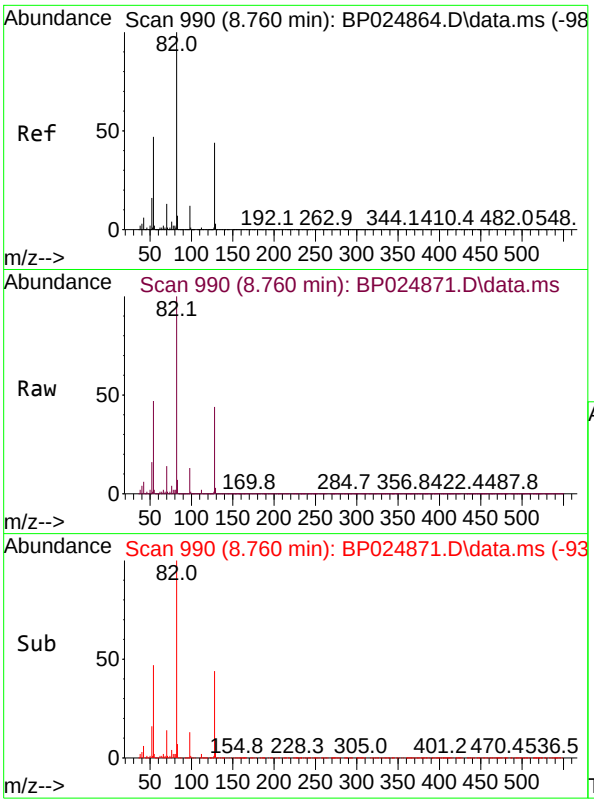


#22
Acetophenone
Concen: 38.956 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:105 Resp: 1098338

Ion	Ratio	Lower	Upper
105	100		
71	3.0	1.6	2.4#
51	25.5	20.6	31.0
120	22.8	18.2	27.4

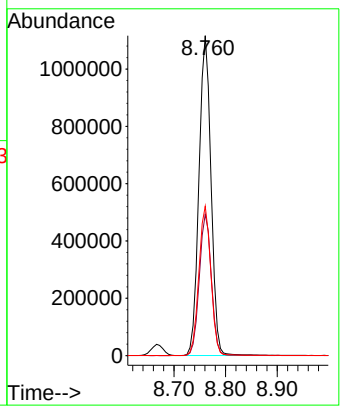




#23
Nitrobenzene-d5
Concen: 78.737 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 82 Resp: 180818

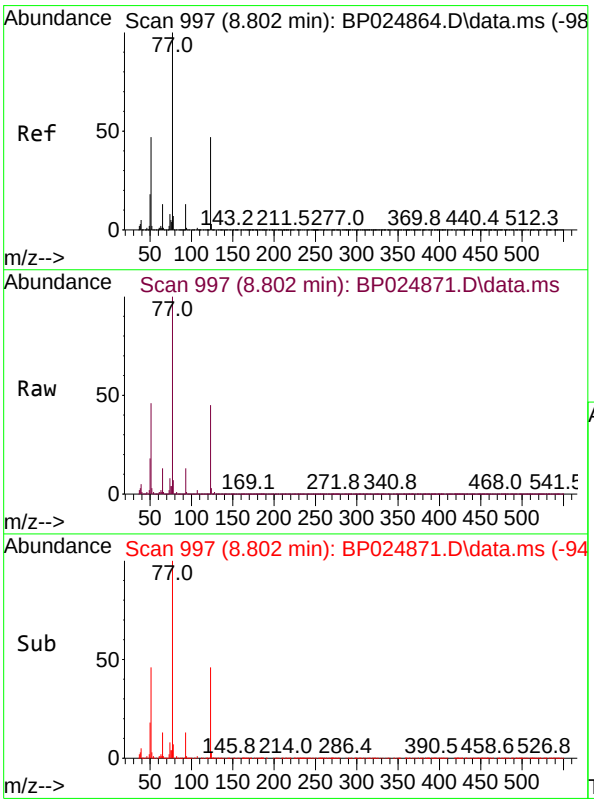
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.3	52.9
54	46.7	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

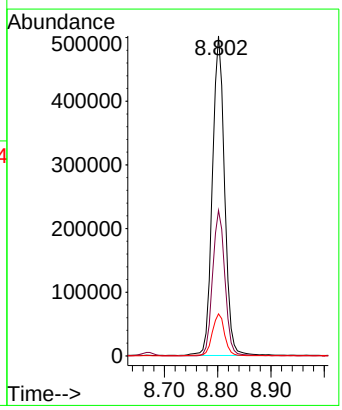
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

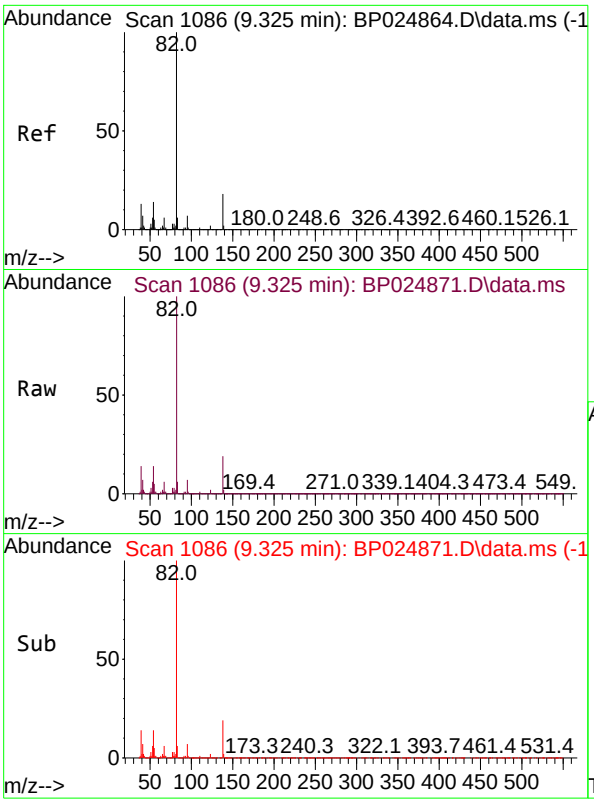


#24
Nitrobenzene
Concen: 39.249 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 77 Resp: 800749

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.3	55.9
65	13.1	10.8	16.2

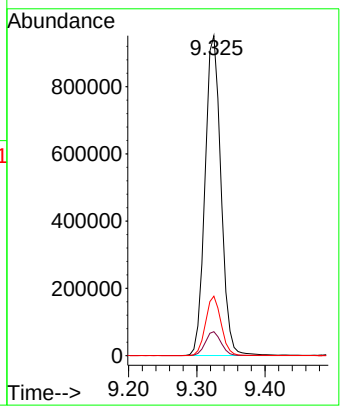




#25
Isophorone
Concen: 38.882 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 82 Resp: 154753

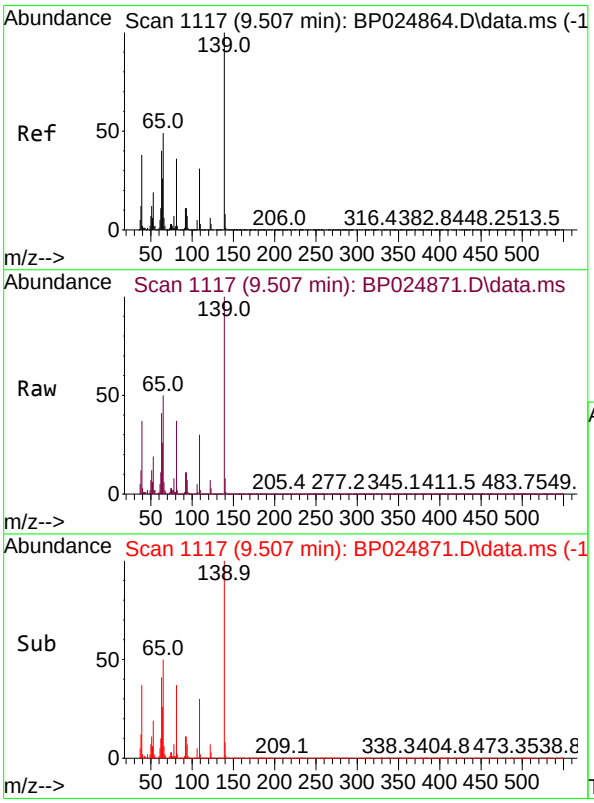
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.6	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

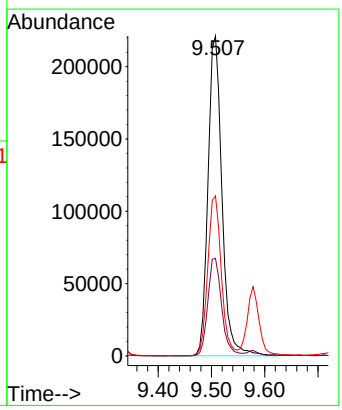
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

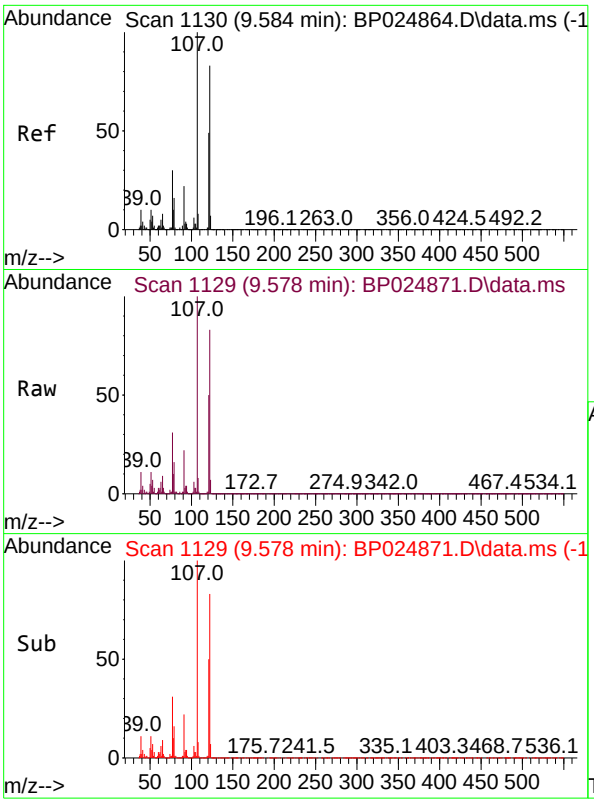


#26
2-Nitrophenol
Concen: 40.144 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:139 Resp: 404106

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.6	37.0
65	50.0	39.5	59.3

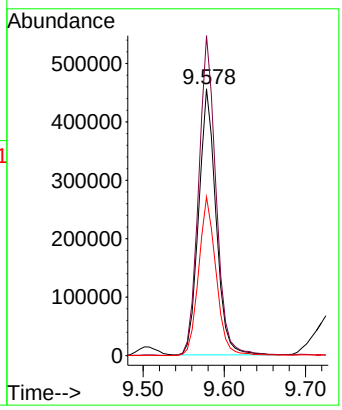




#27
2,4-Dimethylphenol
Concen: 39.225 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:122 Resp: 67576

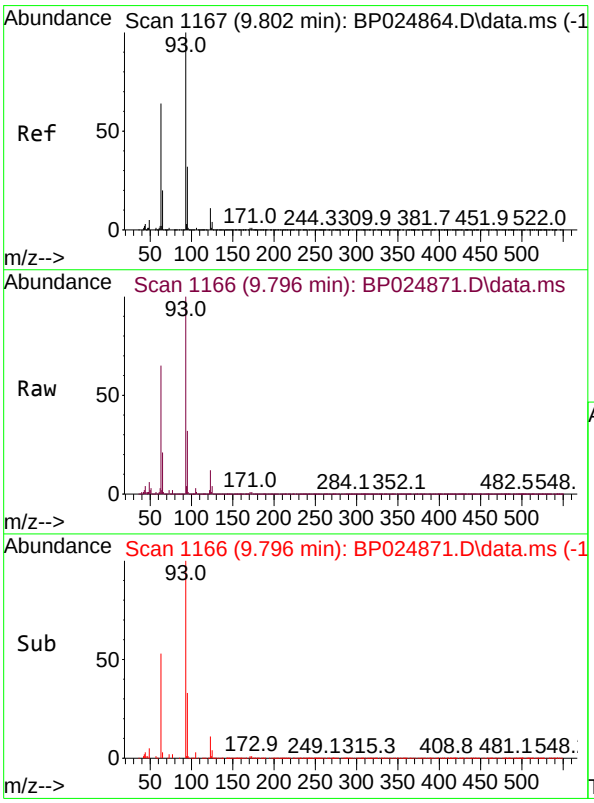
Ion	Ratio	Lower	Upper
122	100		
107	120.0	96.2	144.4
121	59.5	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

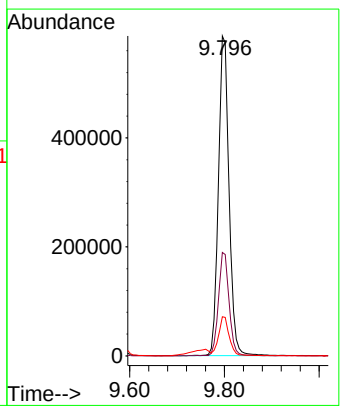
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

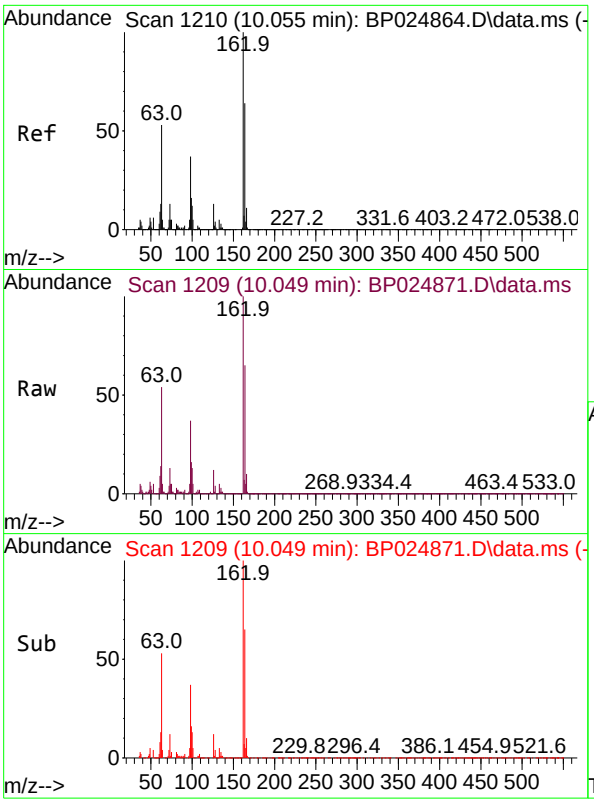


#28
bis(2-Chloroethoxy)methane
Concen: 38.433 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 912458

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.2	9.2	13.8

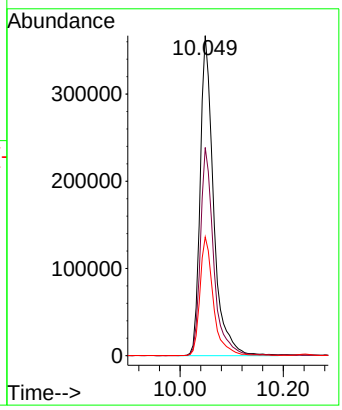




#29
2,4-Dichlorophenol
Concen: 39.988 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:162 Resp: 66100

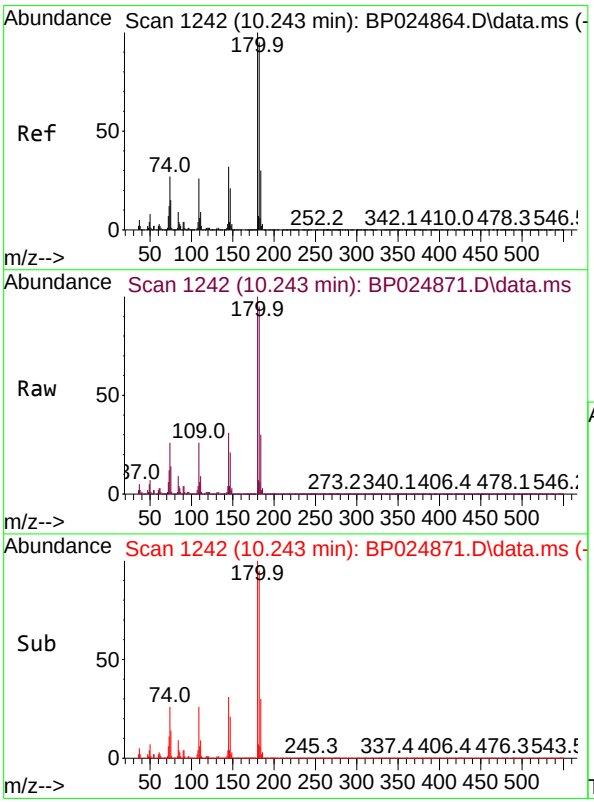
Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.0	84.0
98	37.1	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

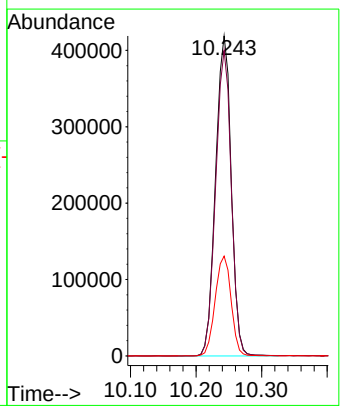
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

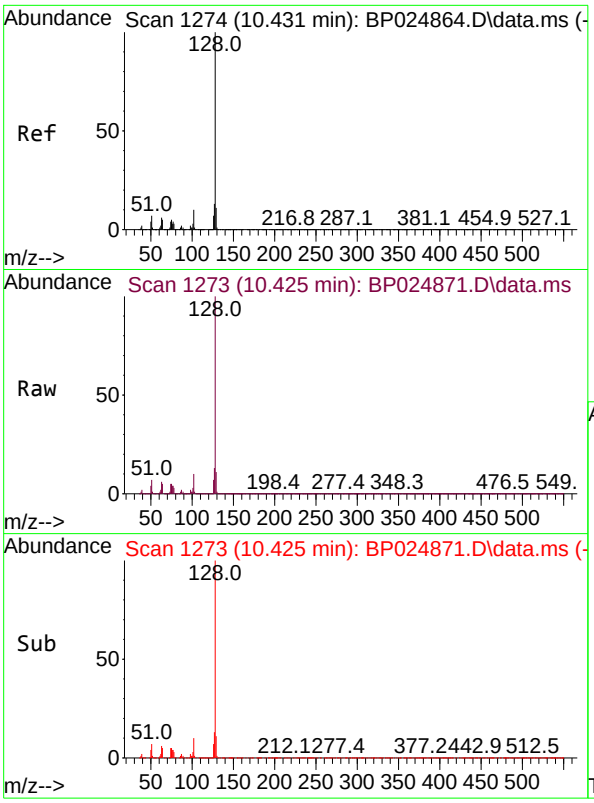


#30
1,2,4-Trichlorobenzene
Concen: 37.323 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:180 Resp: 695864

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.6
145	31.2	25.7	38.5

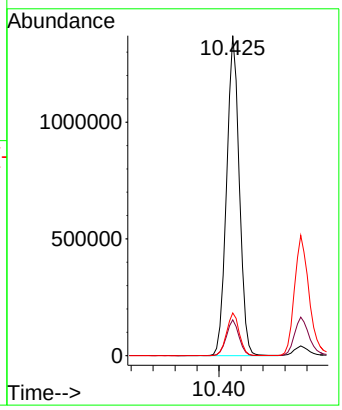




#31
Naphthalene
Concen: 38.386 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:128 Resp: 219518

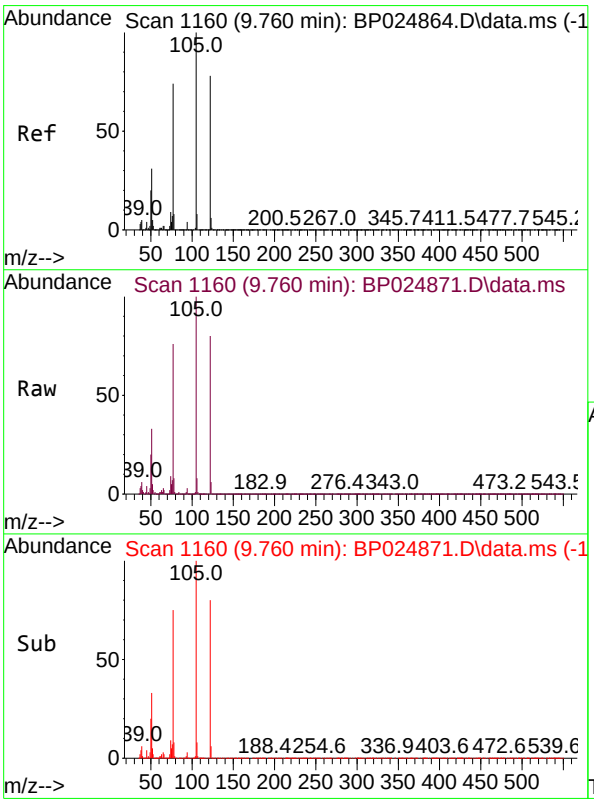
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

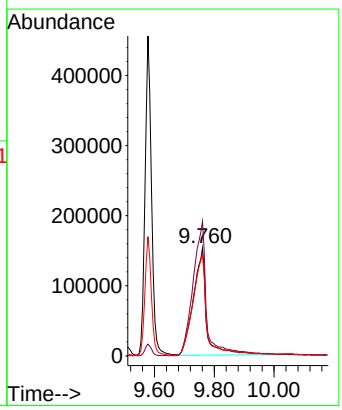
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

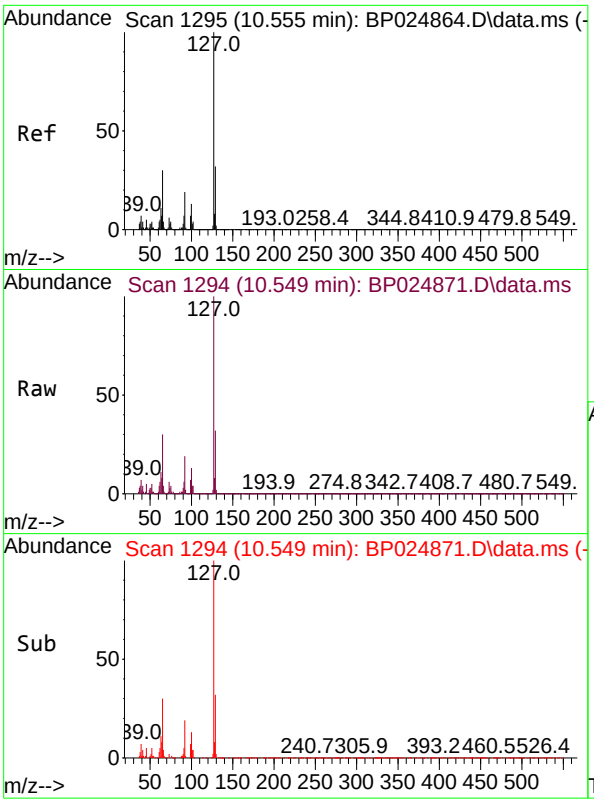


#32
Benzoic acid
Concen: 40.563 ng
RT: 9.760 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:122 Resp: 472238

Ion	Ratio	Lower	Upper
122	100		
105	124.7	107.1	147.1
77	94.3	75.1	115.1

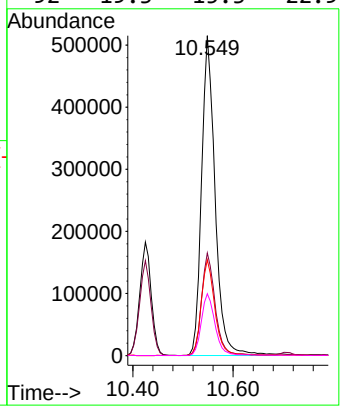




#33
4-Chloroaniline
Concen: 40.422 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:127 Resp: 96847

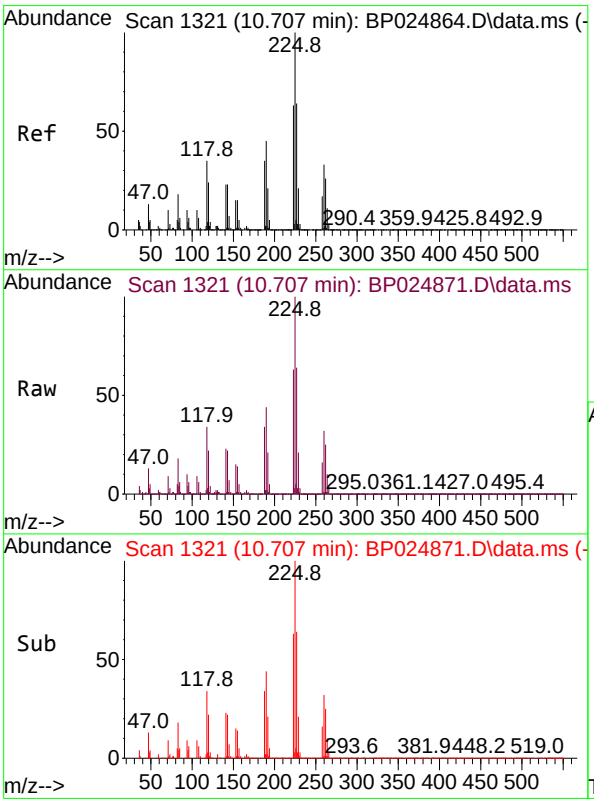
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.9	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

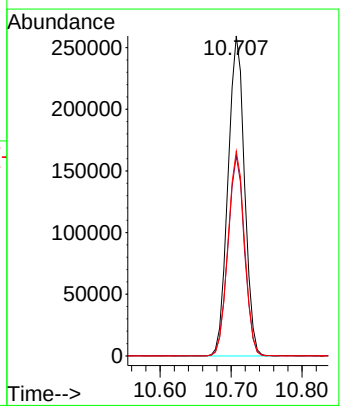
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

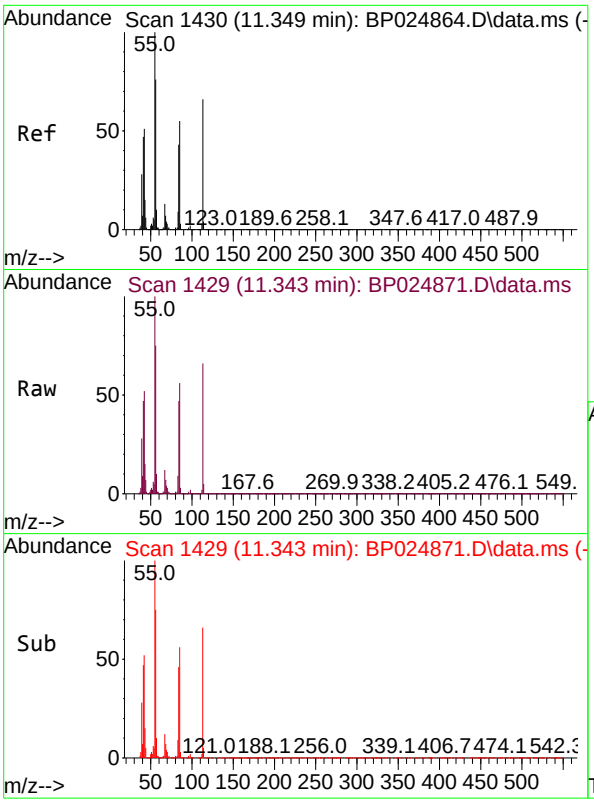


#34
Hexachlorobutadiene
Concen: 37.207 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:225 Resp: 418109

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.5	75.7
227	64.0	51.4	77.2





#35
Caprolactam
Concen: 41.048 ng
RT: 11.343 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

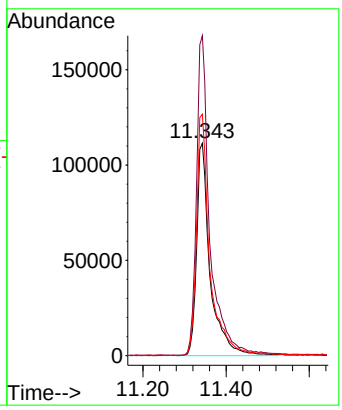
Tgt Ion:113 Resp: 24977

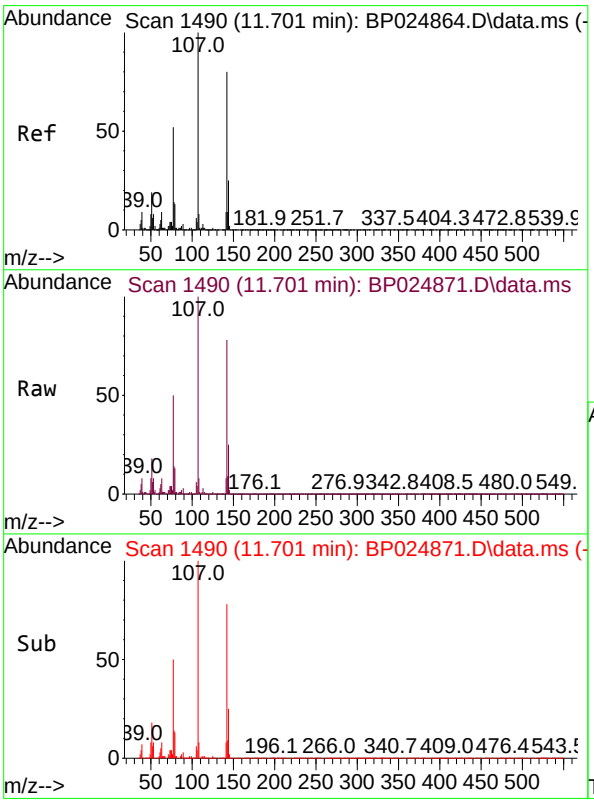
Ion	Ratio	Lower	Upper
113	100		
55	150.7	132.5	172.5
56	113.6	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

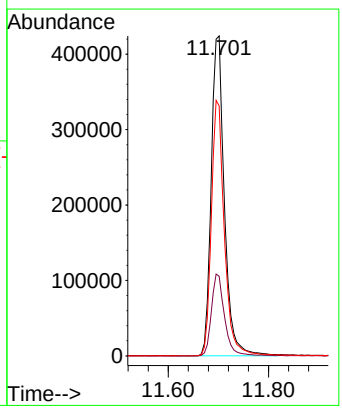


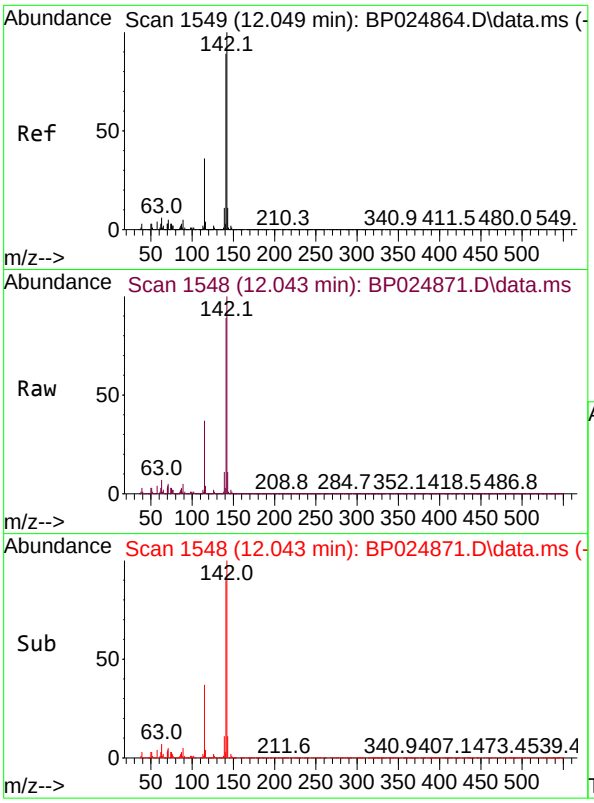


#36
4-Chloro-3-methylphenol
Concen: 40.629 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 774660

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	78.1	63.8	95.6

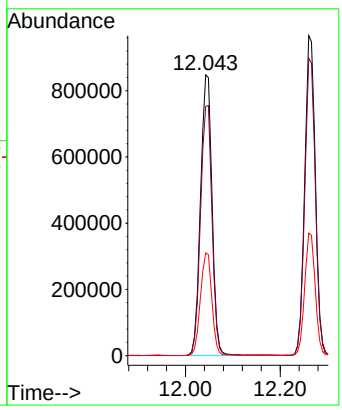




#37
2-Methylnaphthalene
Concen: 39.479 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:142 Resp: 143213

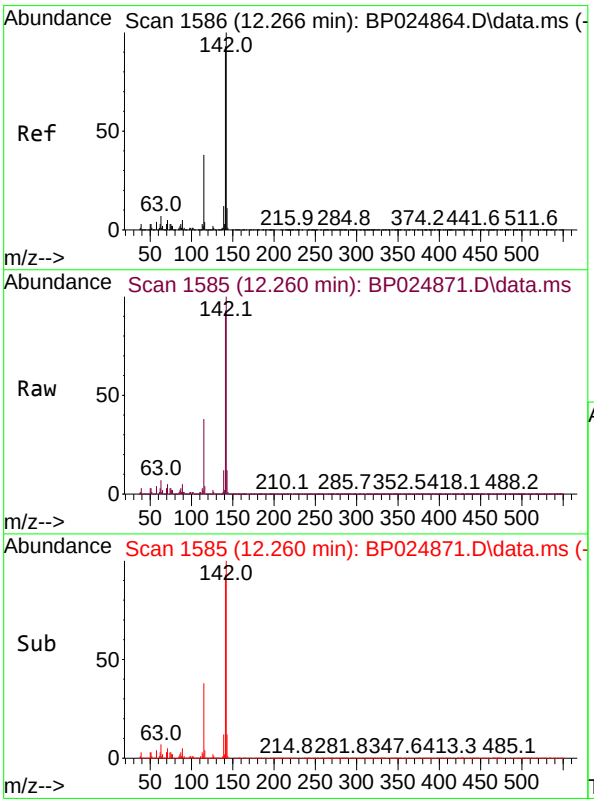
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.2	106.8
115	36.5	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

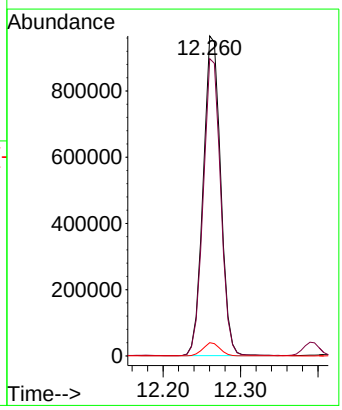
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

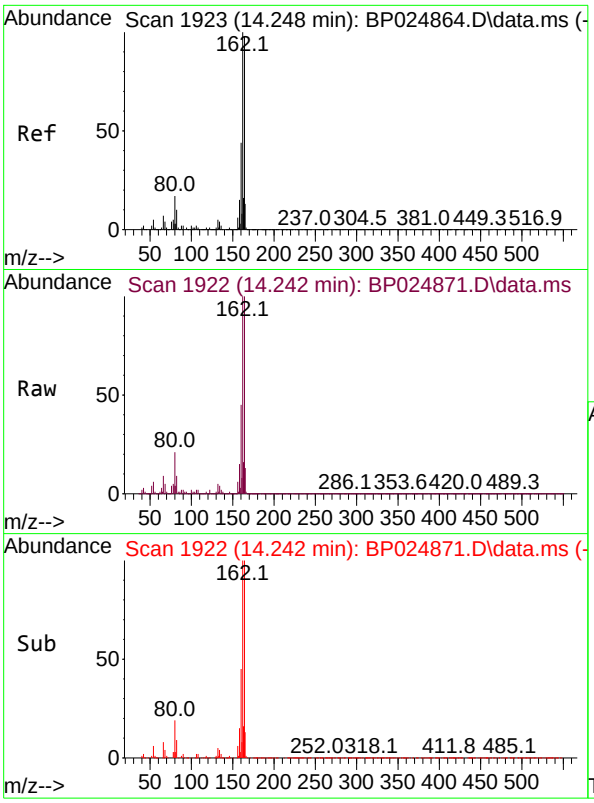


#38
1-Methylnaphthalene
Concen: 38.845 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:142 Resp: 1506506

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.7	112.1
116	4.1	3.4	5.0

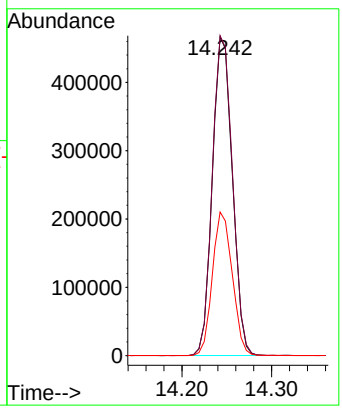




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.242 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:164 Resp: 72208

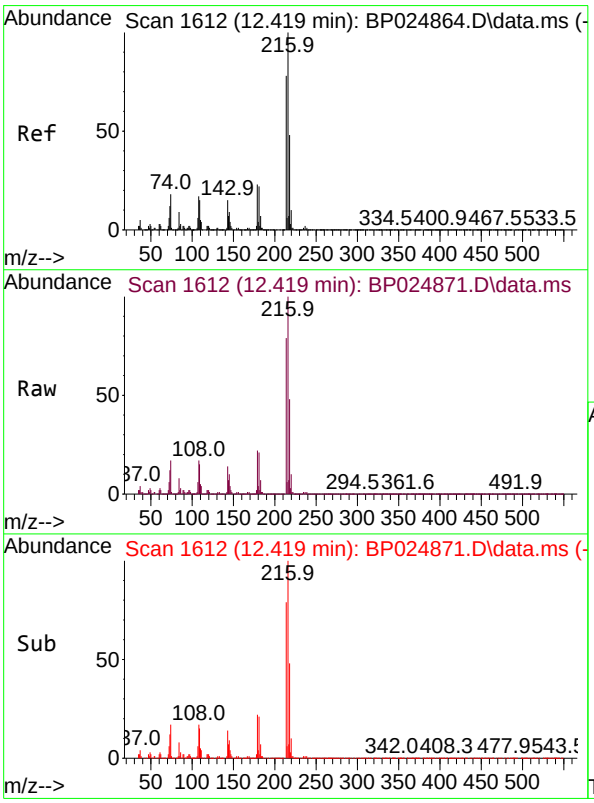
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

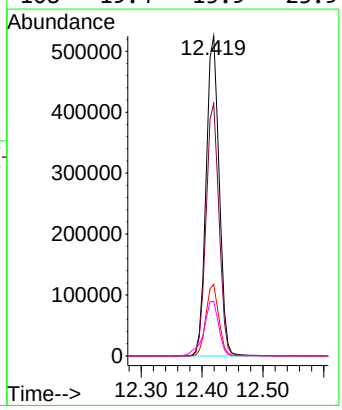
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

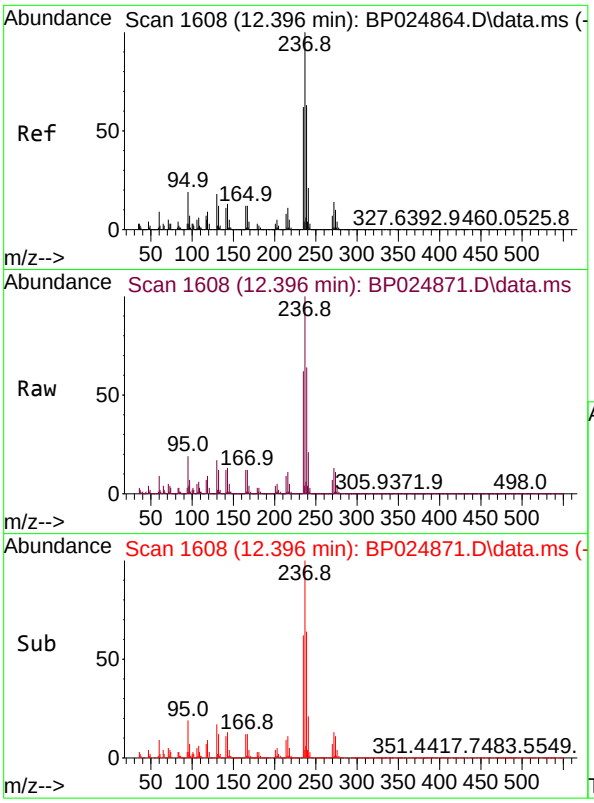


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.146 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:216 Resp: 781589

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.4
179	22.1	17.8	26.6
108	19.4	15.9	23.9

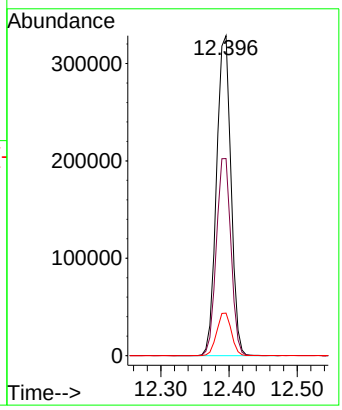




#41
Hexachlorocyclopentadiene
Concen: 38.332 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:237 Resp: 47905

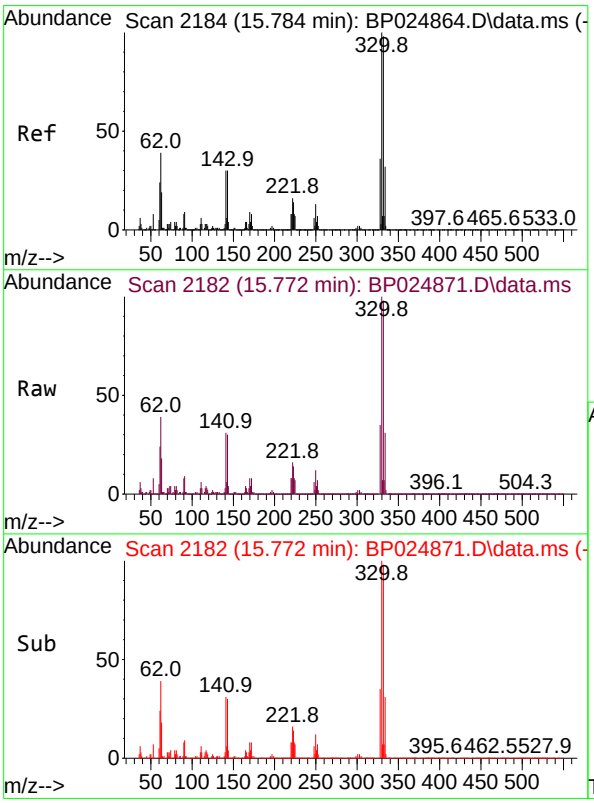
Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.9	81.9
272	13.3	0.0	33.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

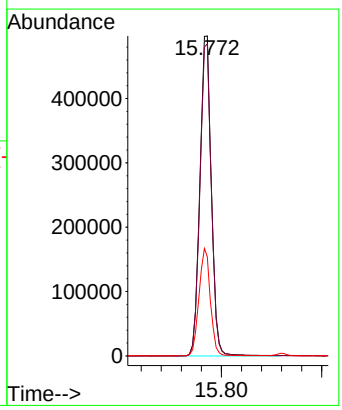
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

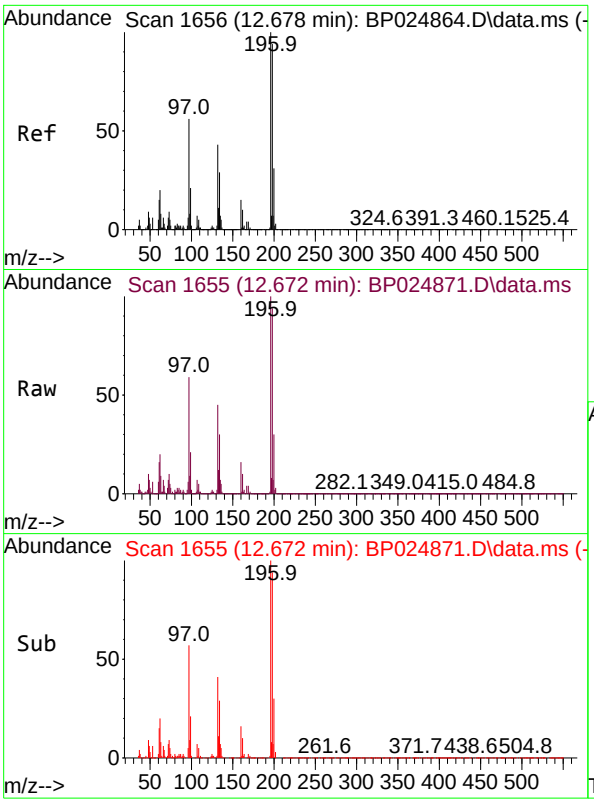


#42
2,4,6-Tribromophenol
Concen: 78.869 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:330 Resp: 787365

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	33.4	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 39.103 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

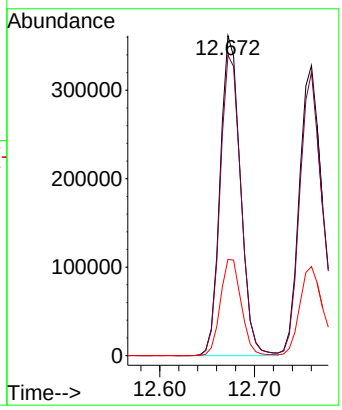
Tgt Ion:196 Resp: 53806

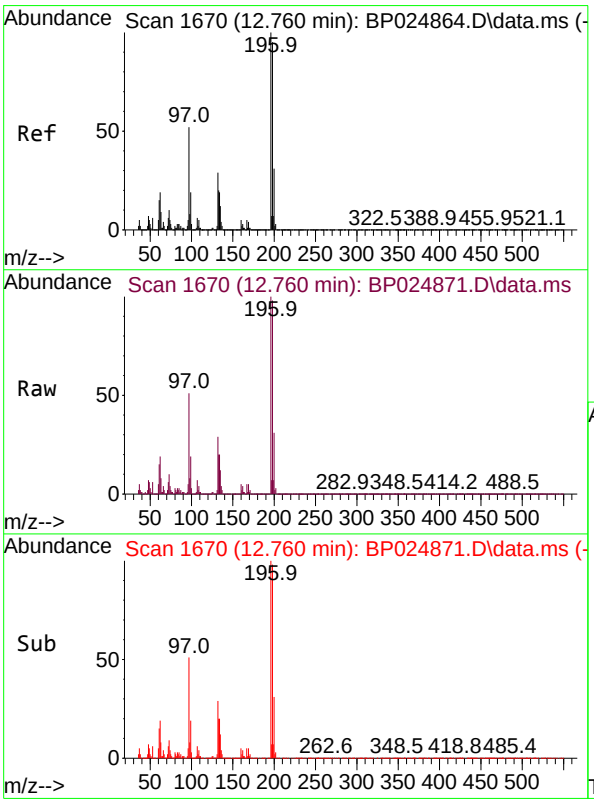
Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.4	113.0
200	30.1	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

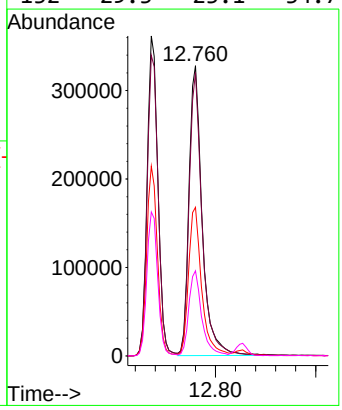


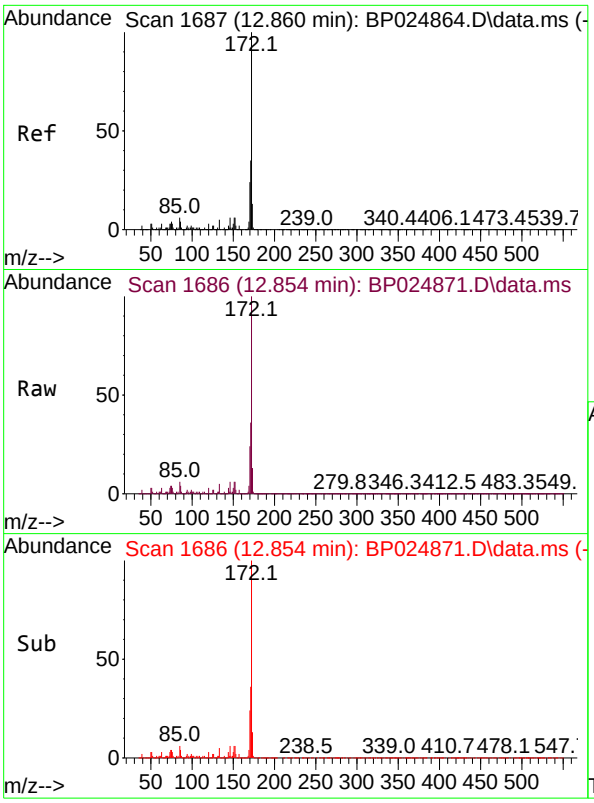


#44
2,4,5-Trichlorophenol
Concen: 40.784 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:196 Resp: 600998

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.0	114.0
97	51.2	41.5	62.3
132	29.3	23.1	34.7

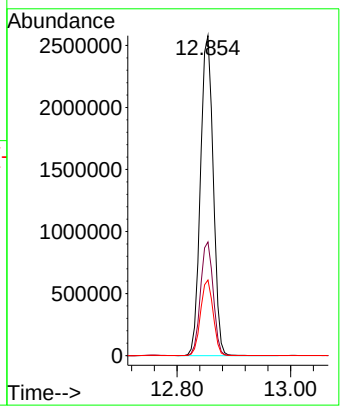




#45
2-Fluorobiphenyl
Concen: 75.092 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:172 Resp: 402507

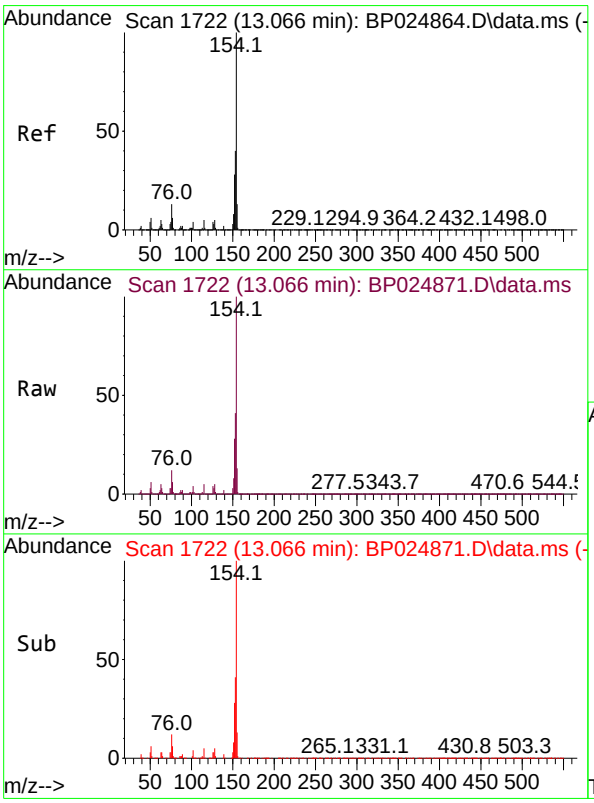
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

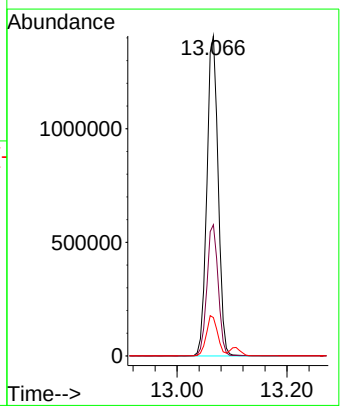
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

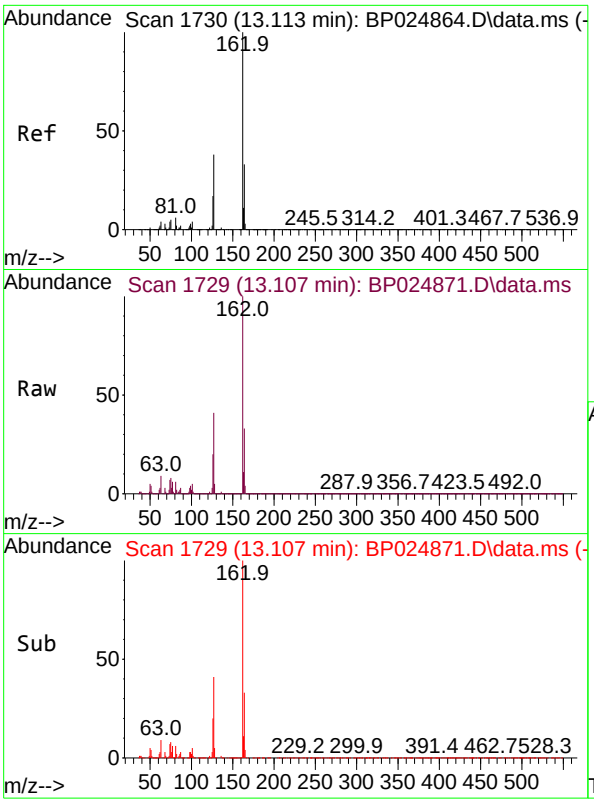


#46
1,1'-Biphenyl
Concen: 38.014 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:154 Resp: 1994835

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.0	0.0	33.0

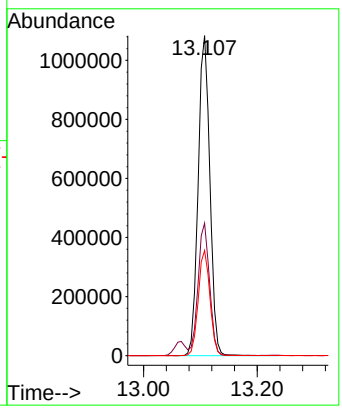




#47
2-Chloronaphthalene
Concen: 38.278 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:162 Resp: 154380

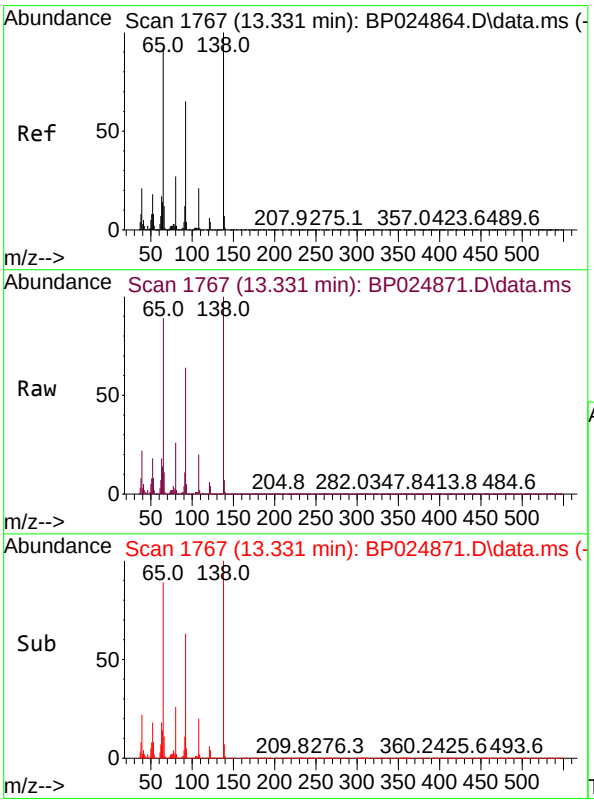
Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.8	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

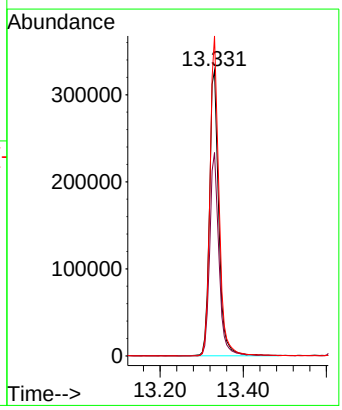
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

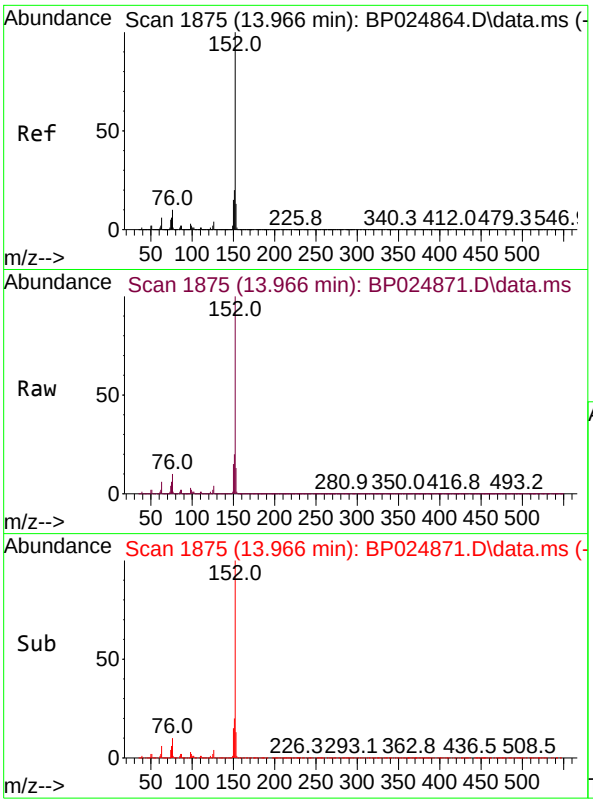


#48
2-Nitroaniline
Concen: 40.825 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 65 Resp: 506207

Ion	Ratio	Lower	Upper
65	100		
92	71.2	56.8	85.2
138	112.1	86.9	130.3

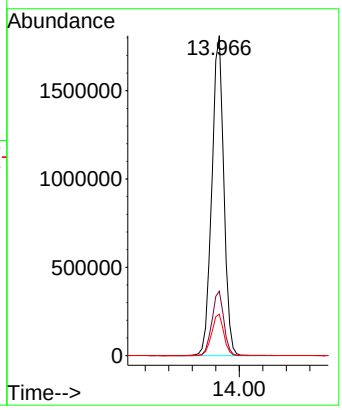




#49
Acenaphthylene
Concen: 38.013 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:152 Resp: 255630

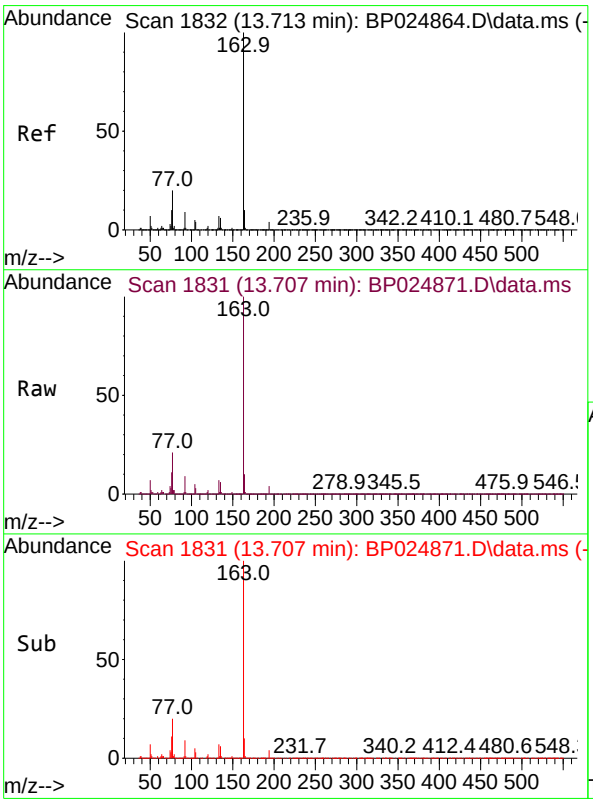
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.9	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

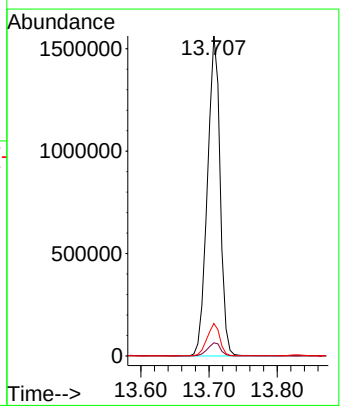
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

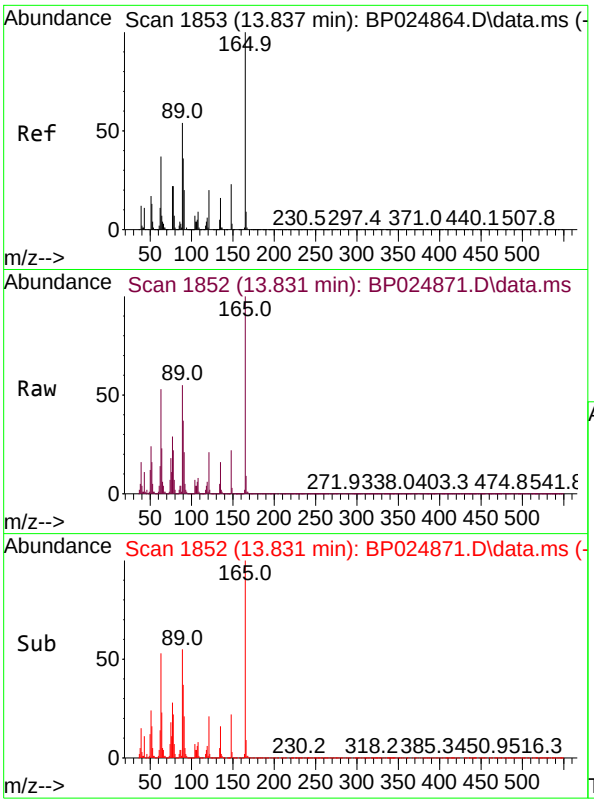


#50
Dimethylphthalate
Concen: 37.961 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:163 Resp: 2022085

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 38.784 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

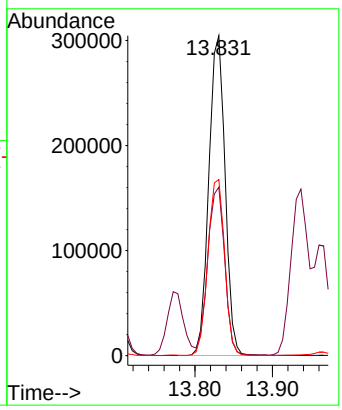
Tgt Ion:165 Resp: 445371

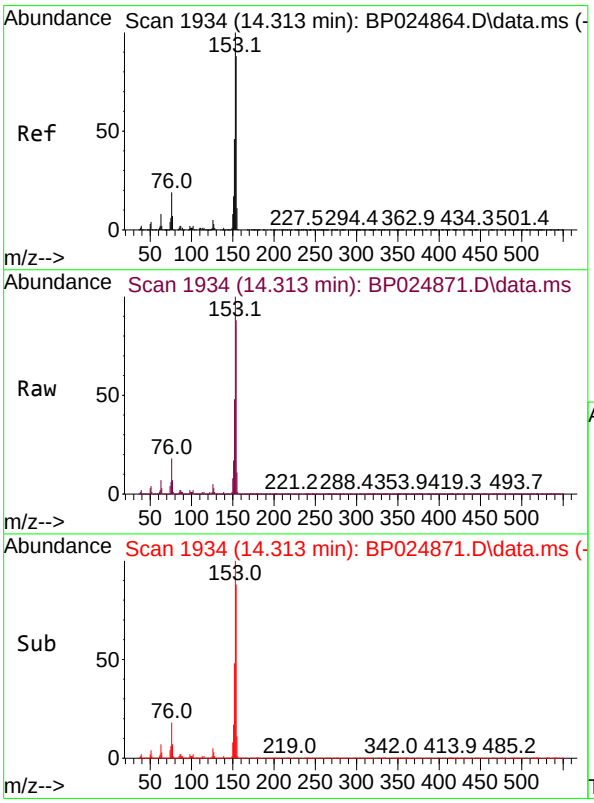
Ion	Ratio	Lower	Upper
165	100		
63	52.6	41.8	62.8
89	55.1	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

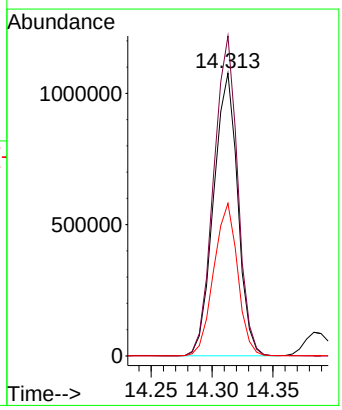


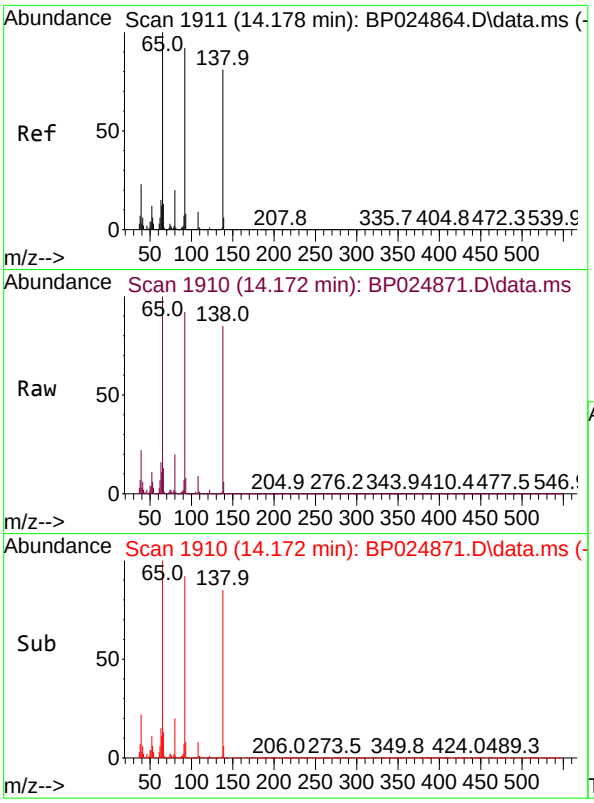


#52
Acenaphthene
Concen: 38.548 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:154 Resp: 1485445

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.5	135.7
152	54.0	42.1	63.1

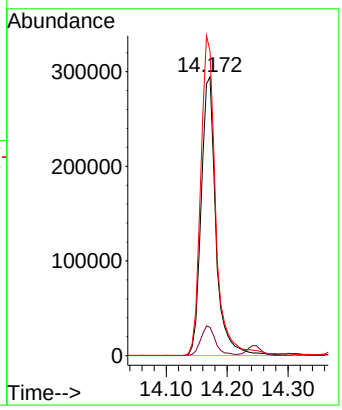




#53
3-Nitroaniline
Concen: 41.514 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:138 Resp: 494719

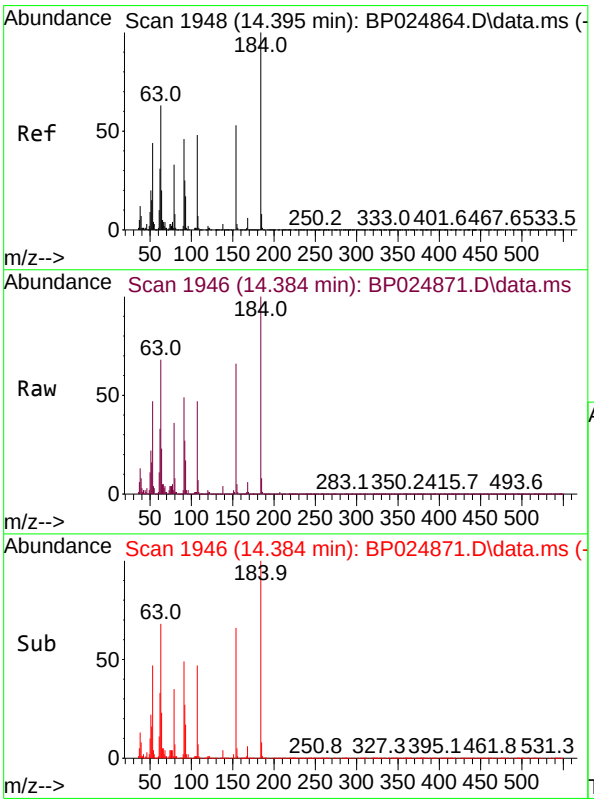
Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.6	12.8
92	109.2	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

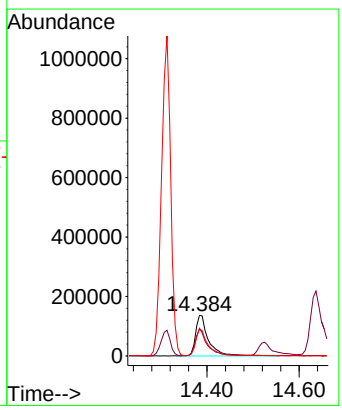
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

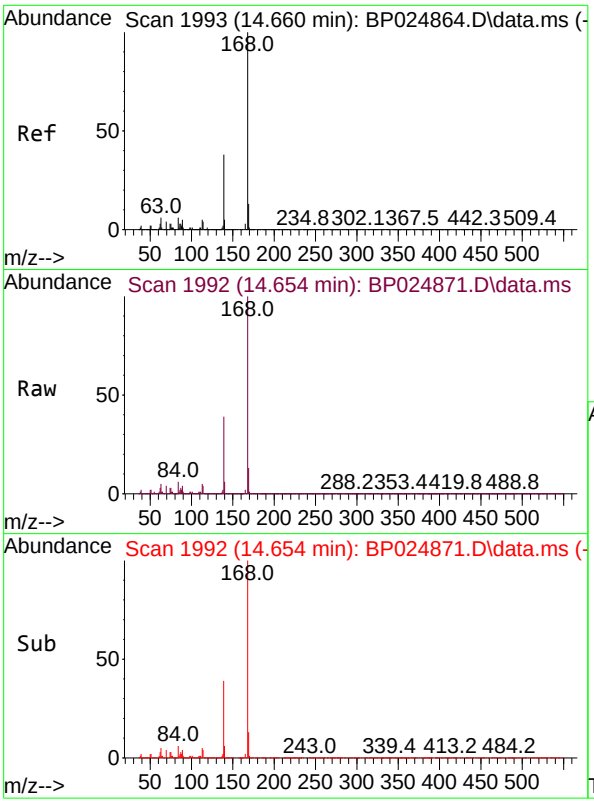


#54
2,4-Dinitrophenol
Concen: 38.223 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:184 Resp: 262463

Ion	Ratio	Lower	Upper
184	100		
63	68.2	51.0	76.4
154	65.8	51.7	77.5

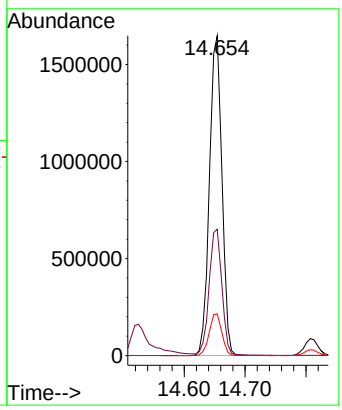




#55
Dibenzofuran
Concen: 38.059 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:168 Resp: 235416

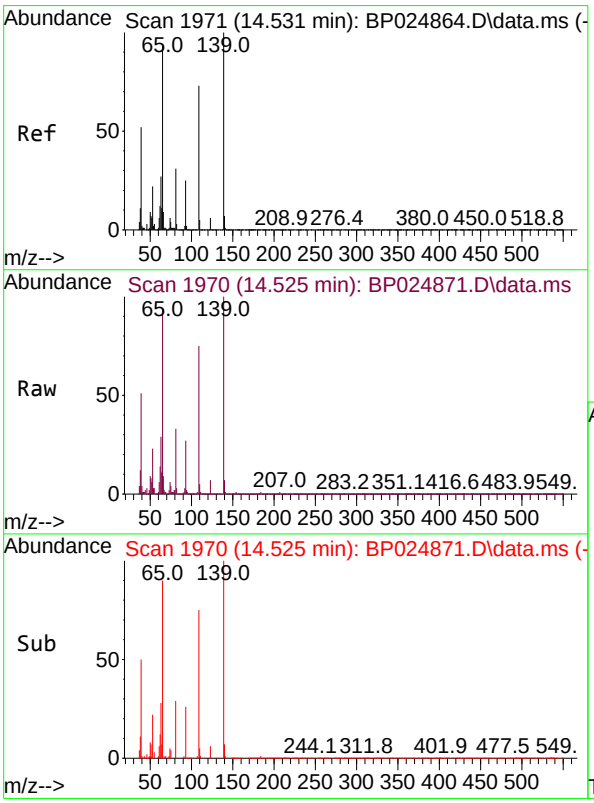
Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

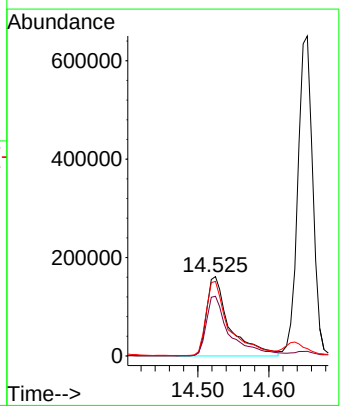
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

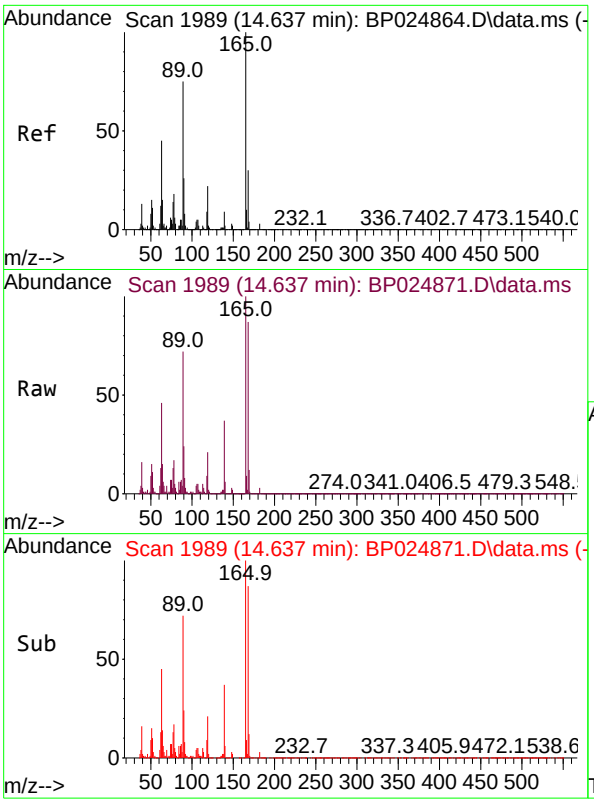


#56
4-Nitrophenol
Concen: 39.074 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:139 Resp: 364266

Ion	Ratio	Lower	Upper
139	100		
109	75.2	53.1	93.1
65	94.0	73.0	113.0

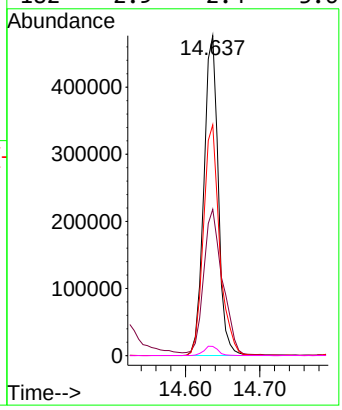




#57
2,4-Dinitrotoluene
Concen: 39.866 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:165 Resp: 640380

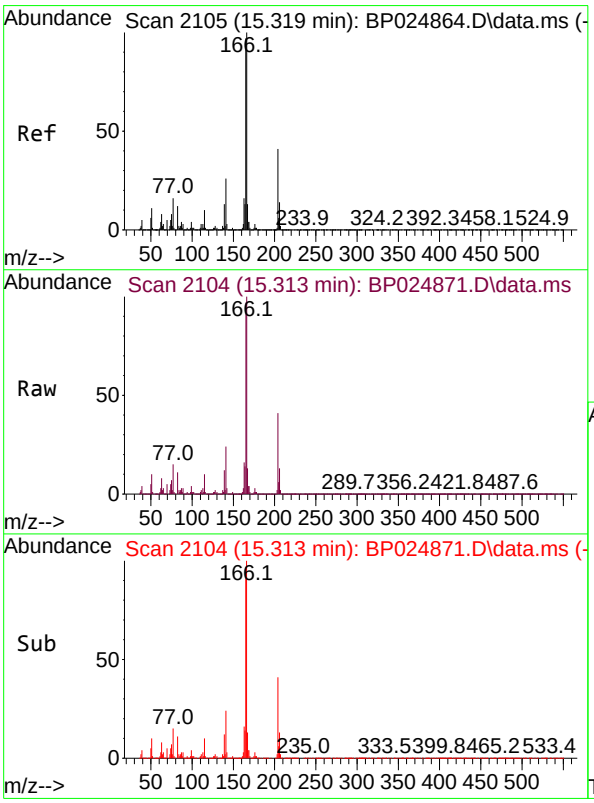
Ion	Ratio	Lower	Upper
165	100		
63	45.7	37.0	55.6
89	72.2	60.1	90.1
182	2.9	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

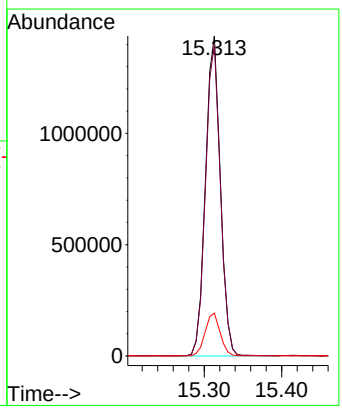
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

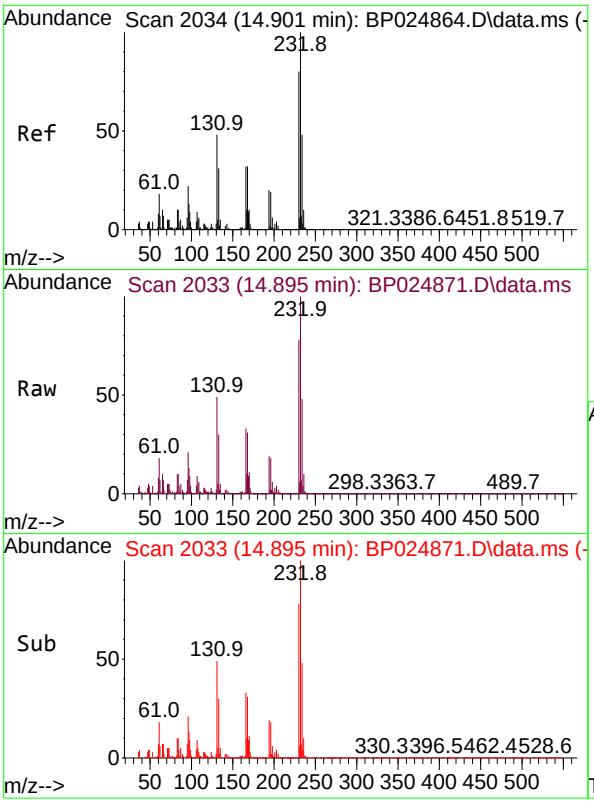


#58
Fluorene
Concen: 38.310 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:166 Resp: 1914326

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.7	116.5
167	13.4	10.6	16.0

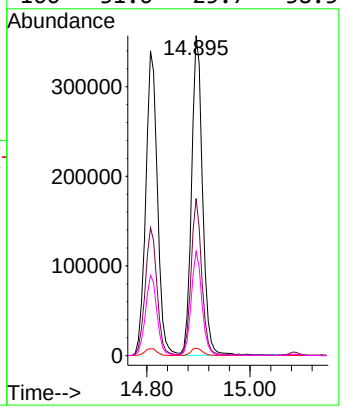




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.904 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:232 Resp: 52540

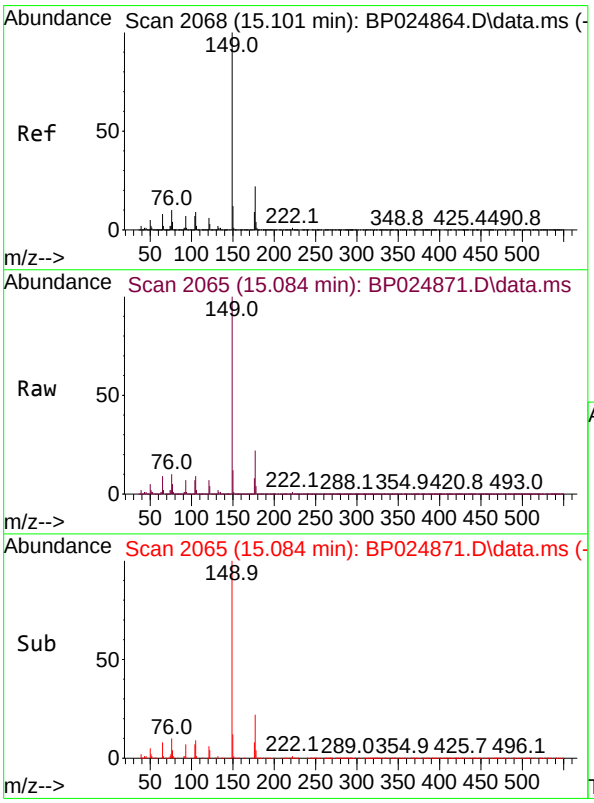
Ion	Ratio	Lower	Upper
232	100		
131	47.4	38.2	57.2
130	2.5	2.1	3.1
166	31.6	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

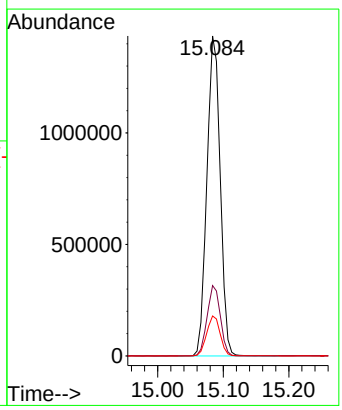
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

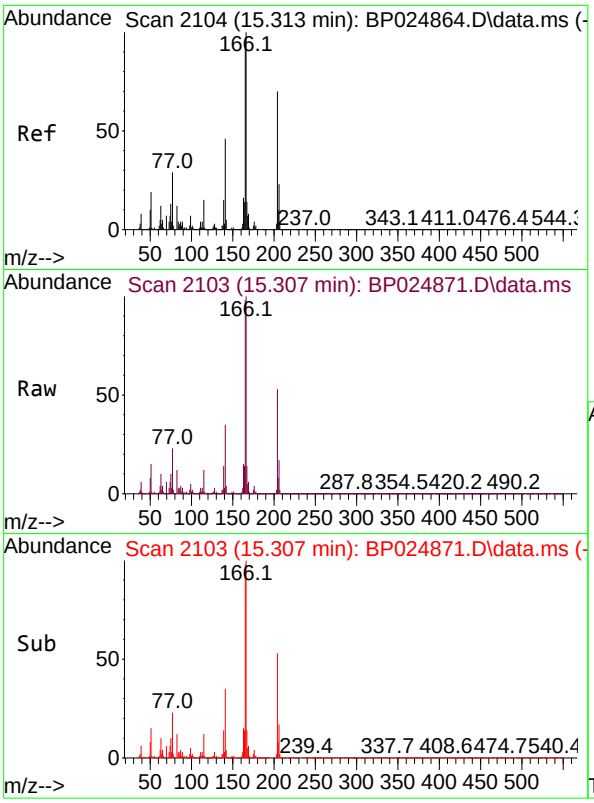


#60
Diethylphthalate
Concen: 37.963 ng
RT: 15.084 min Scan# 2065
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 2015313

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.5	9.8	14.6

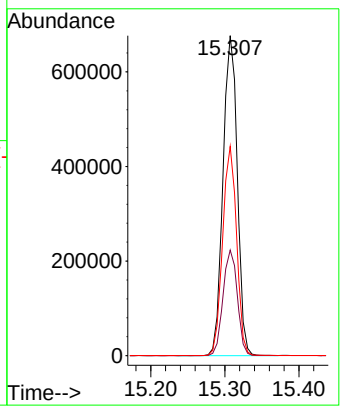




#61
4-Chlorophenyl-phenylether
Concen: 37.065 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:204 Resp: 90558

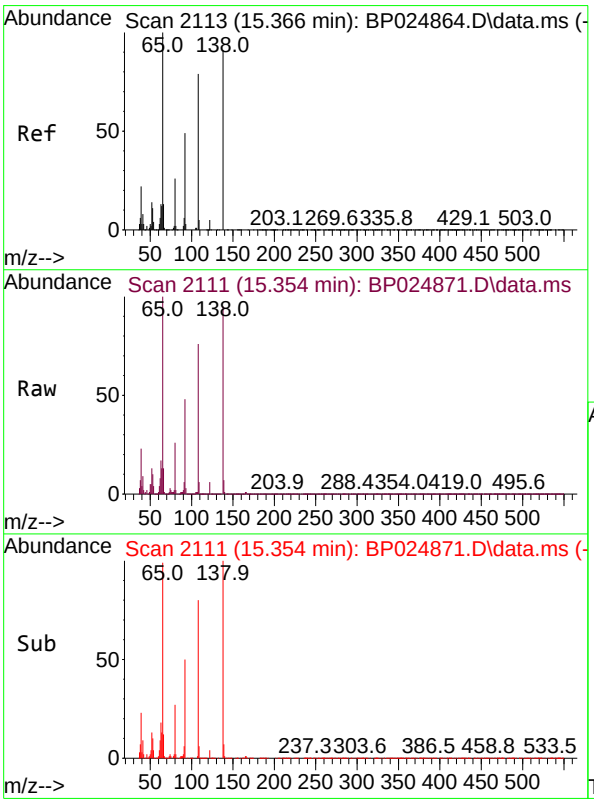
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	65.4	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

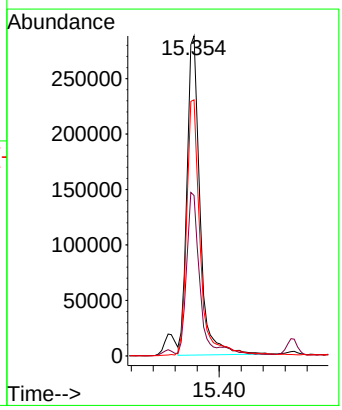
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

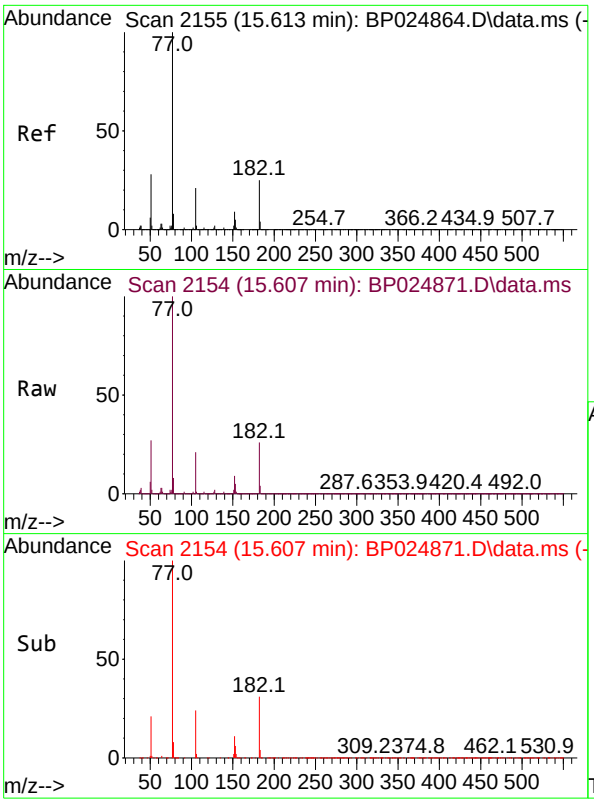


#62
4-Nitroaniline
Concen: 43.719 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:138 Resp: 472390

Ion	Ratio	Lower	Upper
138	100		
92	50.1	33.5	73.5
108	80.0	65.1	105.1





#63
Azobenzene
Concen: 38.692 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

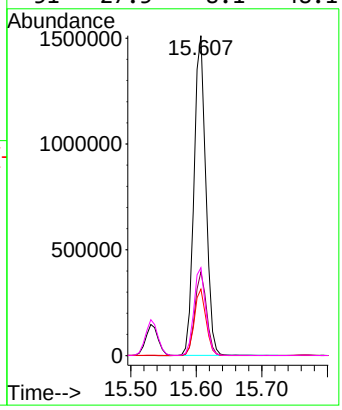
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

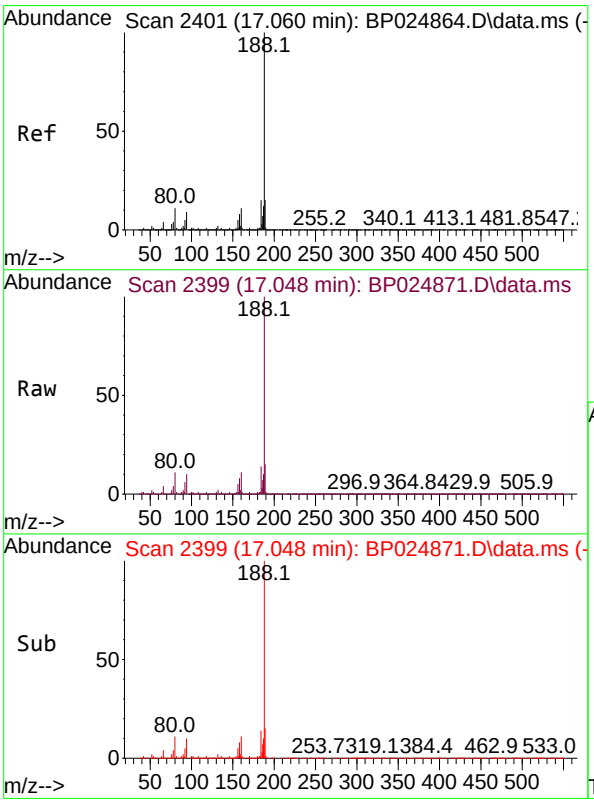
Tgt Ion: 77 Resp: 188382

Ion	Ratio	Lower	Upper
77	100		
182	26.1	5.4	45.4
105	20.8	0.8	40.8
51	27.5	8.1	48.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

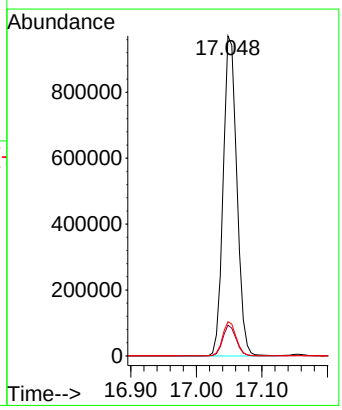


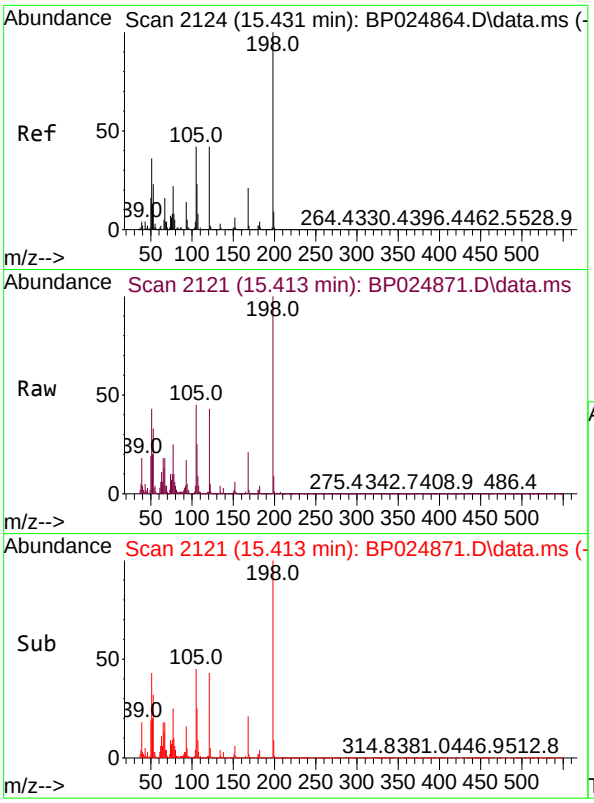


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:188 Resp: 1406327

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.7	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 39.815 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

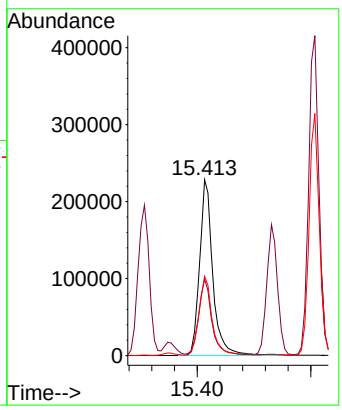
Tgt Ion:198 Resp: 36792

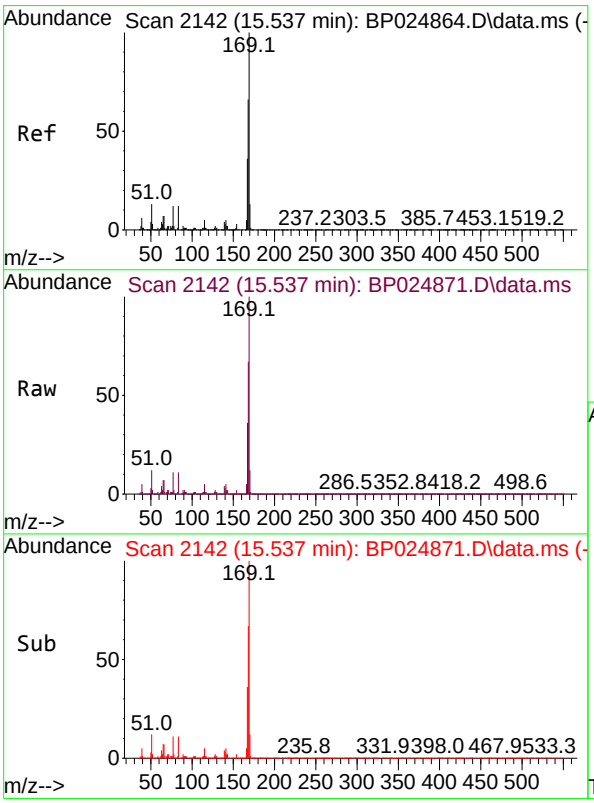
Ion	Ratio	Lower	Upper
198	100		
51	43.4	19.2	59.2
105	45.1	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

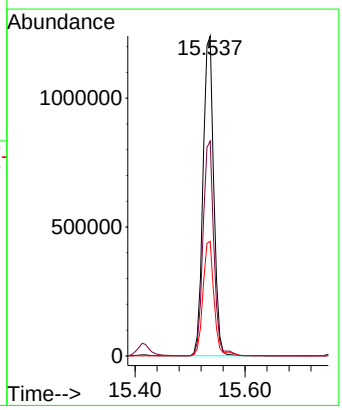


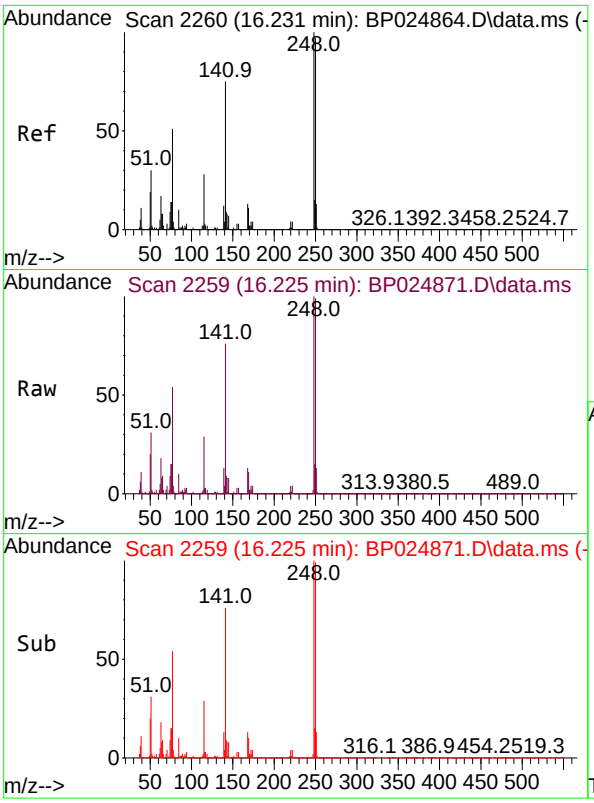


#66
n-Nitrosodiphenylamine
Concen: 38.436 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:169 Resp: 1675390

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.0	79.6
167	35.8	28.6	43.0

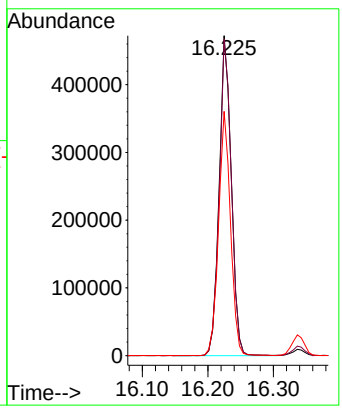




#67
4-Bromophenyl-phenylether
Concen: 38.242 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:248 Resp: 60681

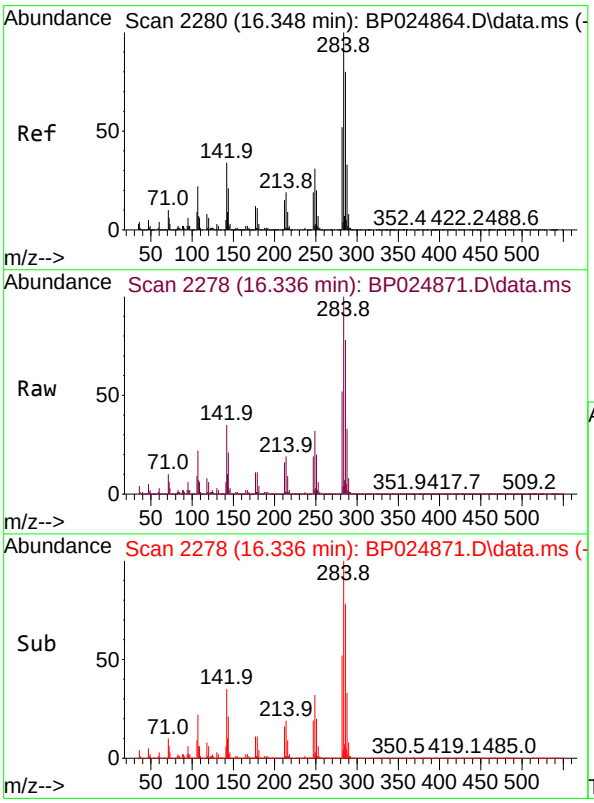
Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.4	116.2
141	76.3	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

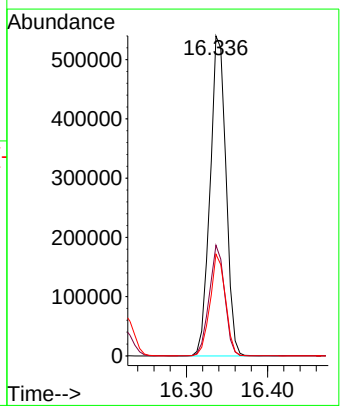
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

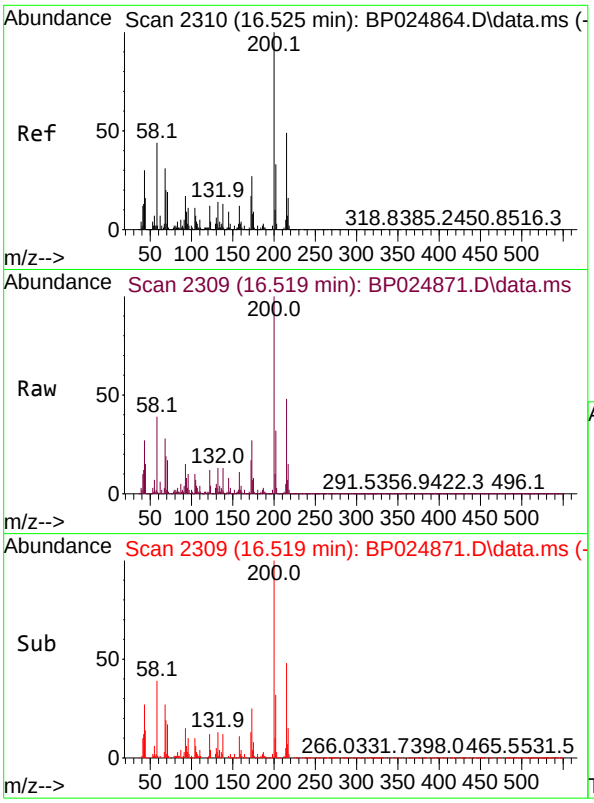


#68
Hexachlorobenzene
Concen: 38.199 ng
RT: 16.336 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:284 Resp: 734824

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.0	40.6
249	31.8	25.0	37.6

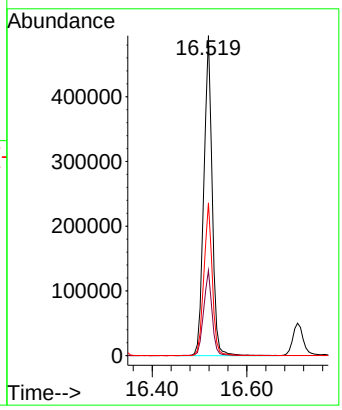




#69
Atrazine
Concen: 38.113 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:200 Resp: 60225

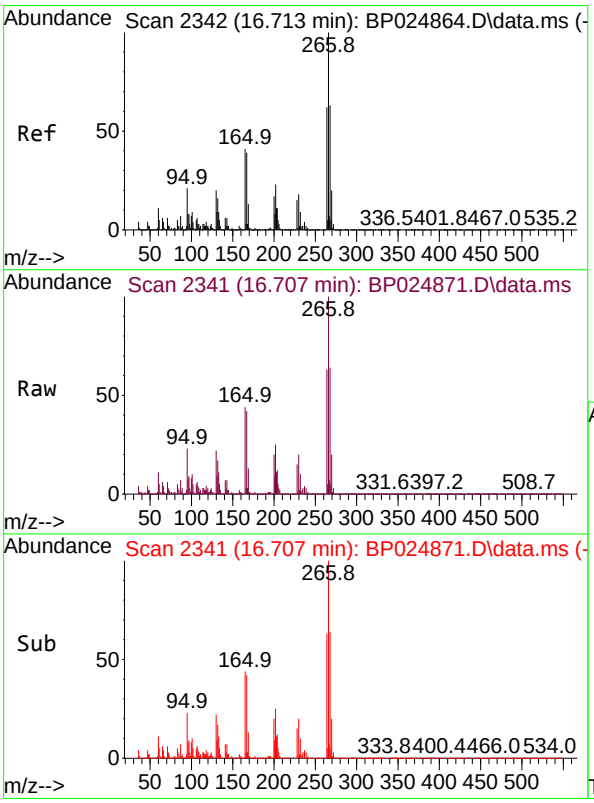
Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.9	46.9
215	47.7	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

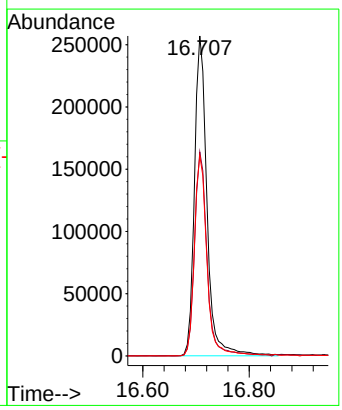
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

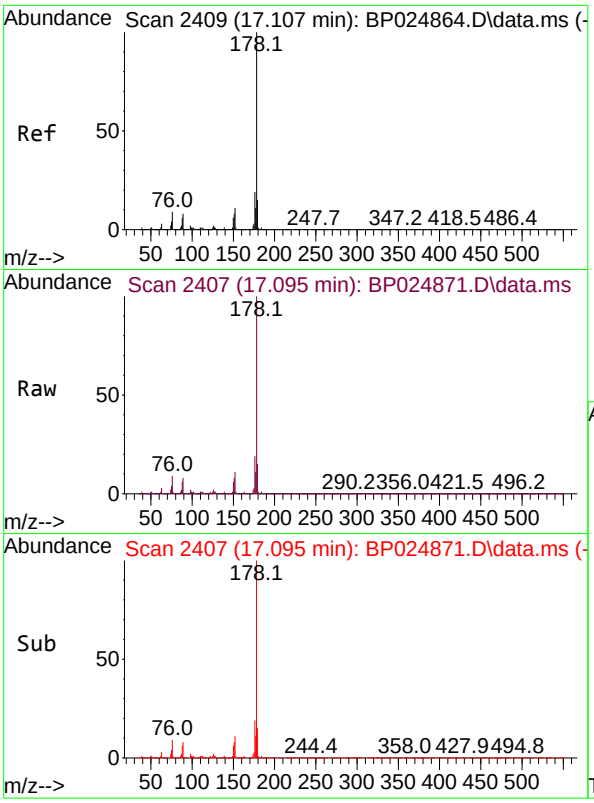


#70
Pentachlorophenol
Concen: 42.241 ng
RT: 16.707 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:266 Resp: 420547

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.6	76.0
264	62.6	49.7	74.5

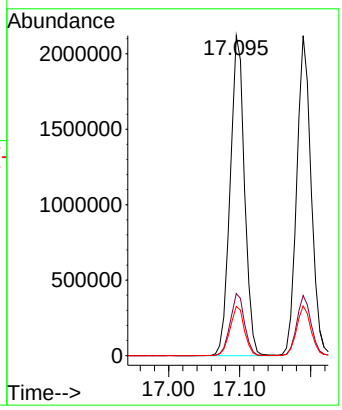




#71
Phenanthrene
Concen: 38.207 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:178 Resp: 296926

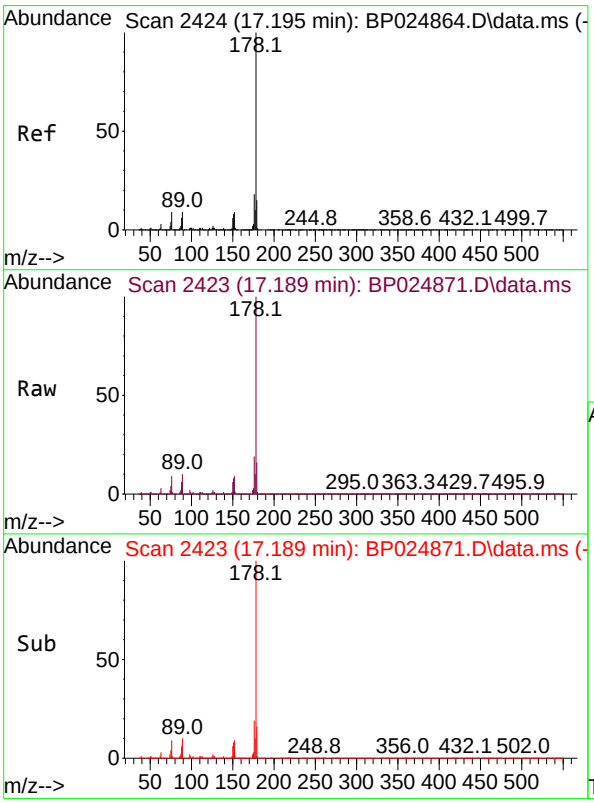
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.4	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

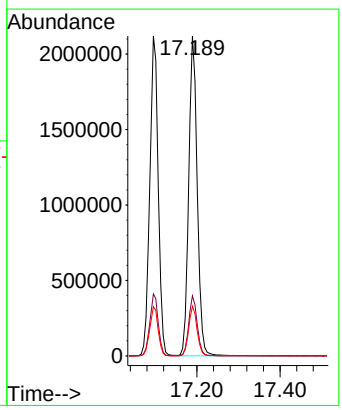
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

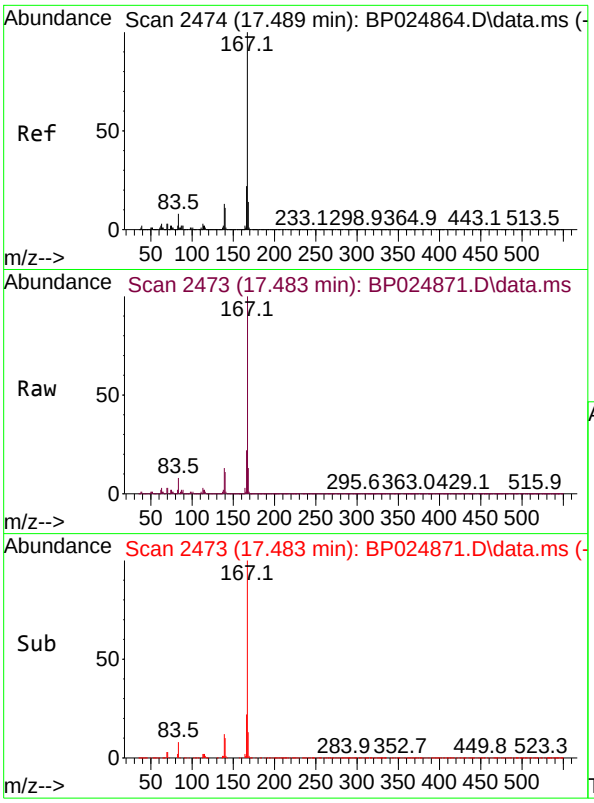


#72
Anthracene
Concen: 38.143 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:178 Resp: 3002181

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.5	12.3	18.5

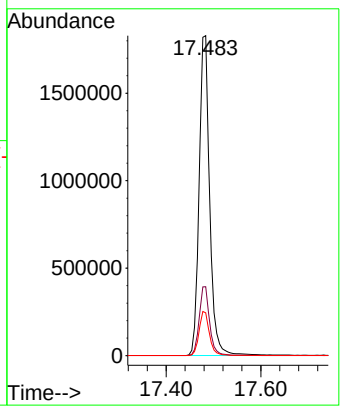




#73
Carbazole
Concen: 38.742 ng
RT: 17.483 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:167 Resp: 282640

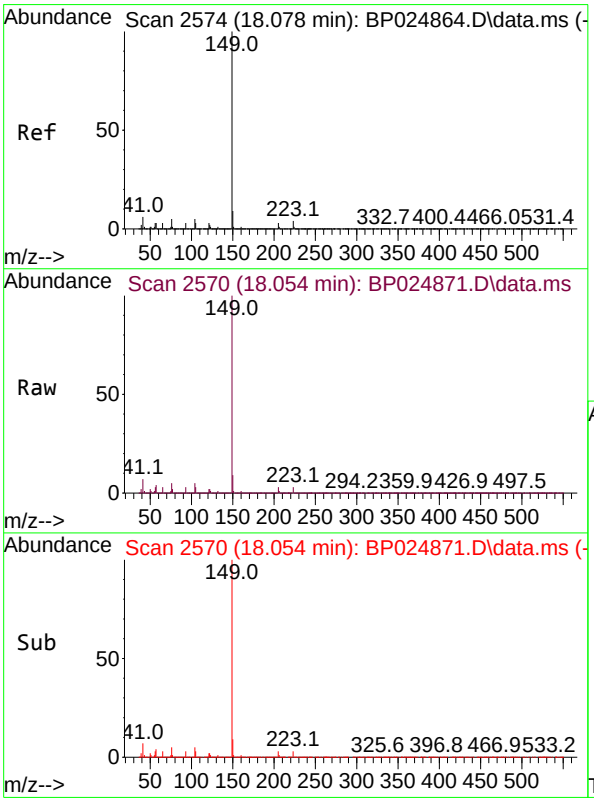
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

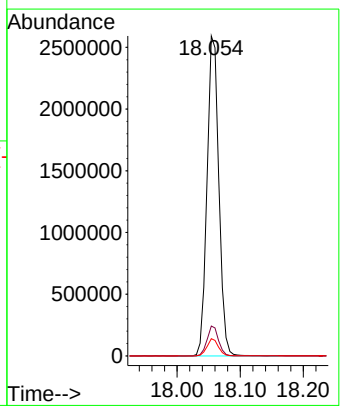
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

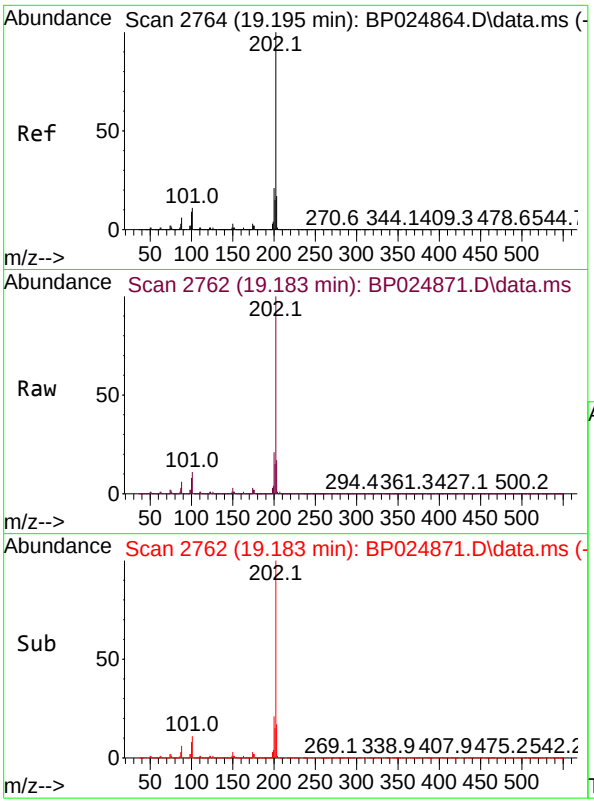


#74
Di-n-butylphthalate
Concen: 37.195 ng
RT: 18.054 min Scan# 2570
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 3362066

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.2	6.2





#75
Fluoranthene
Concen: 37.471 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

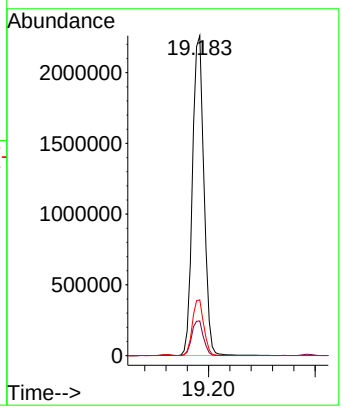
Tgt Ion:202 Resp: 337526

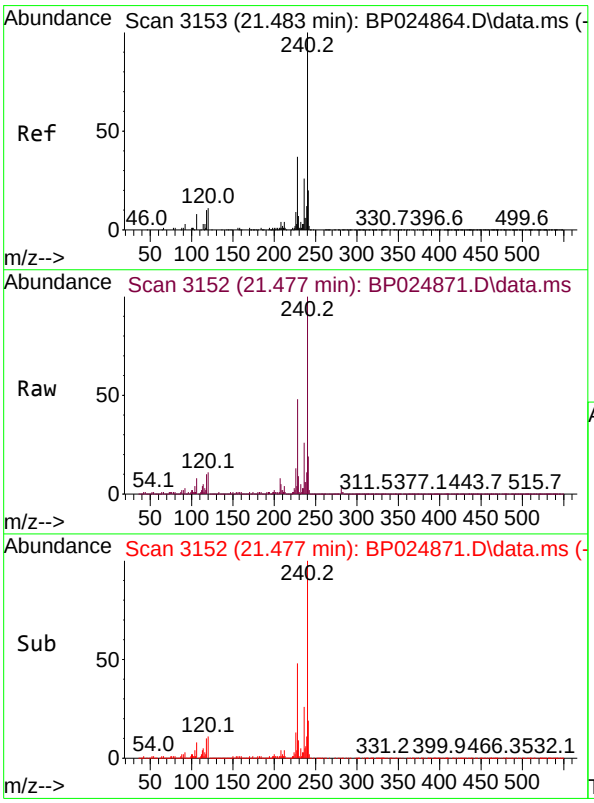
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	17.4	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

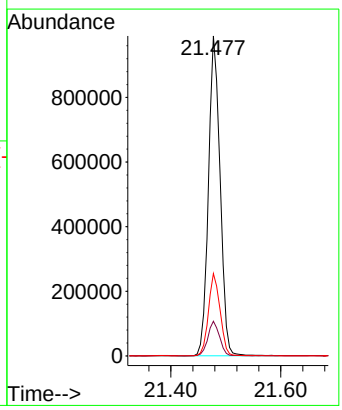


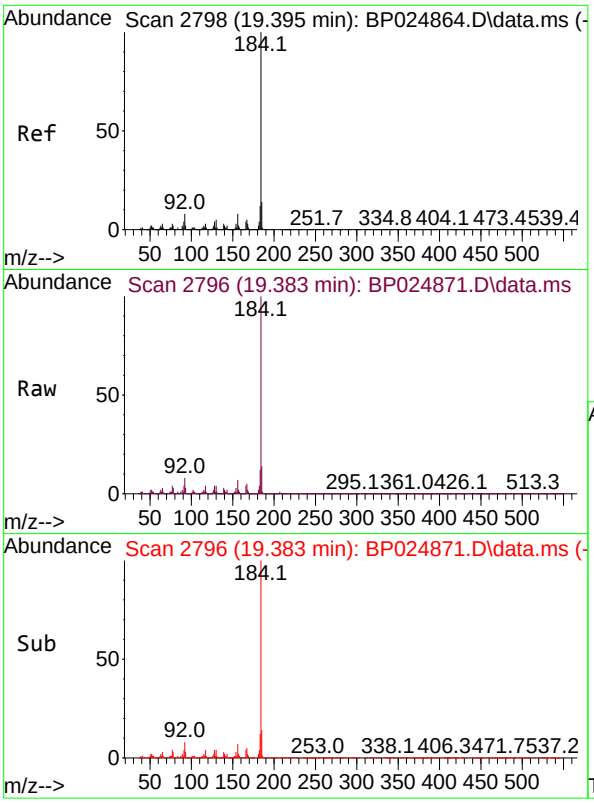


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:240 Resp: 1456984

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	25.7	20.9	31.3

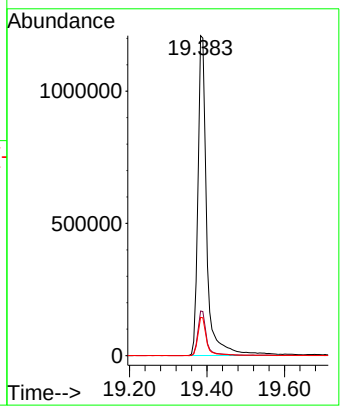




#77
Benzidine
Concen: 42.452 ng
RT: 19.383 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:184 Resp: 191562

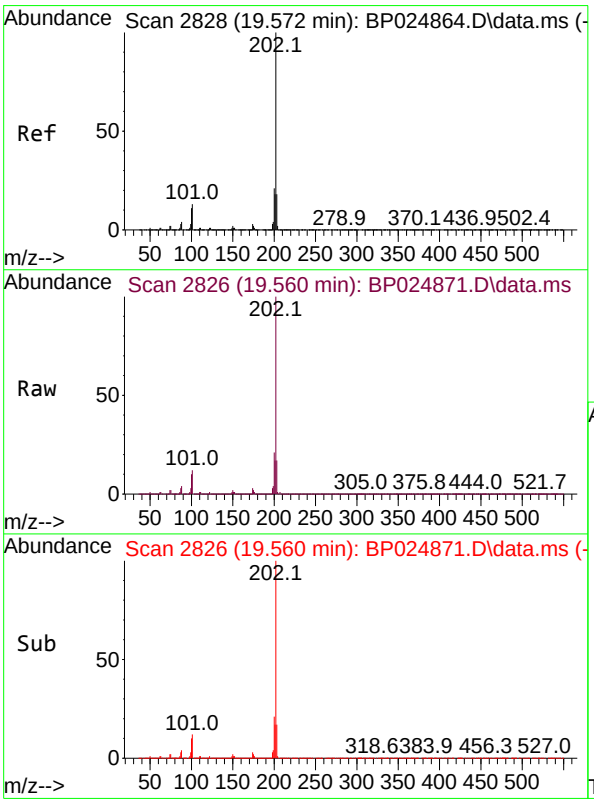
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.0
183	11.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

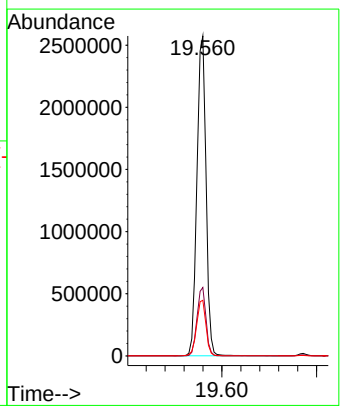
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

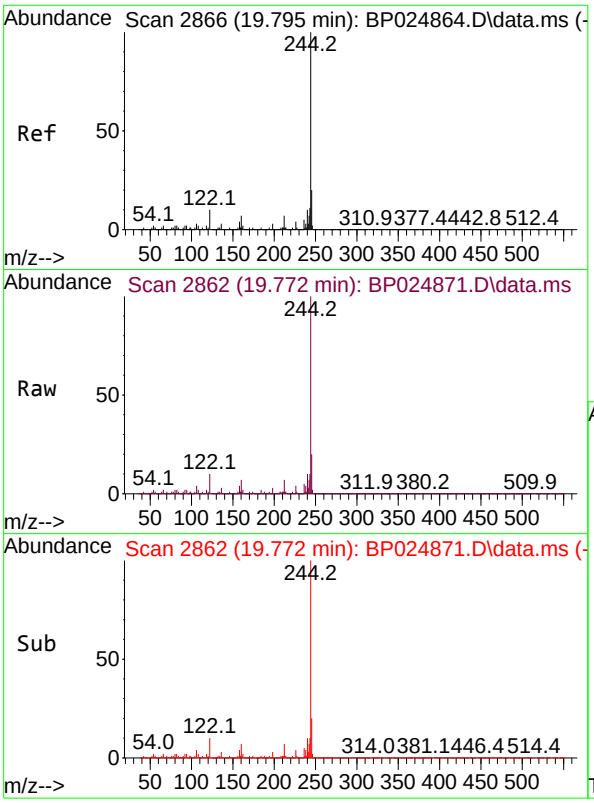


#78
Pyrene
Concen: 37.827 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:202 Resp: 3443152

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.4	14.0	21.0

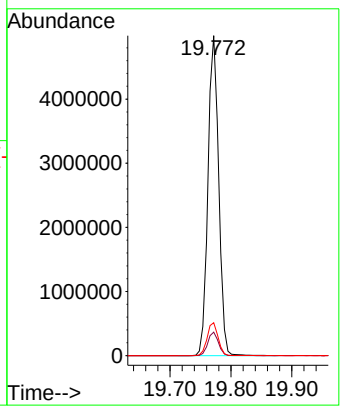




#79
Terphenyl-d14
Concen: 74.981 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:244 Resp: 609544

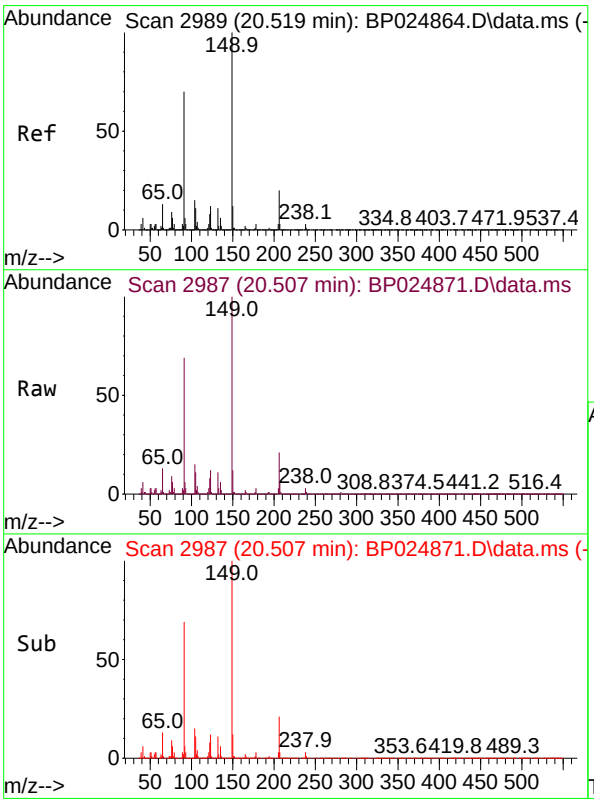
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.3	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

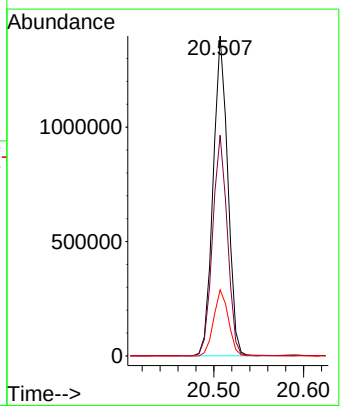
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

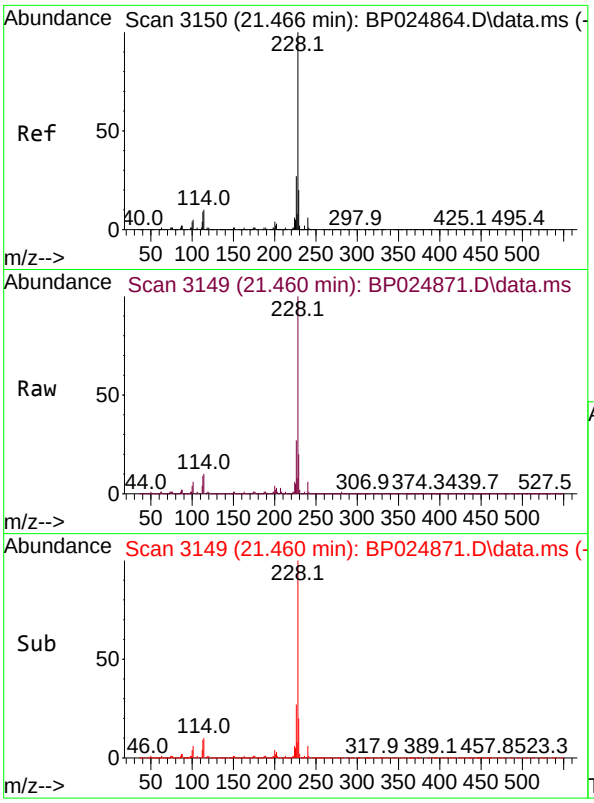


#80
Butylbenzylphthalate
Concen: 38.030 ng
RT: 20.507 min Scan# 2987
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 1585622

Ion	Ratio	Lower	Upper
149	100		
91	68.9	55.8	83.8
206	20.6	16.2	24.2

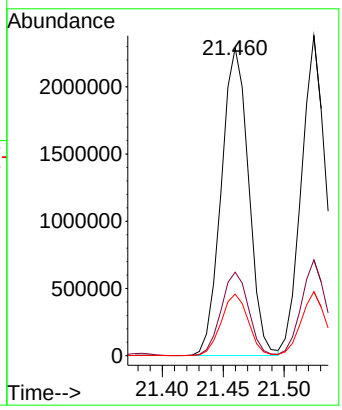




#81
Benzo(a)anthracene
Concen: 38.417 ng
RT: 21.460 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:228 Resp: 357993

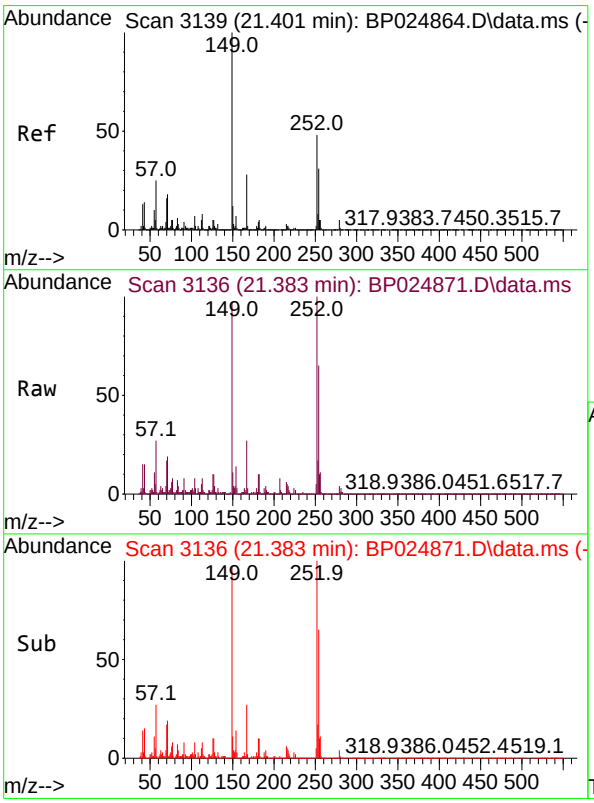
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

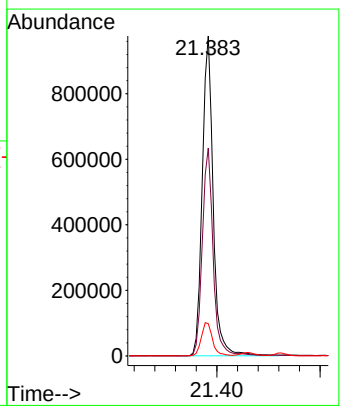
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

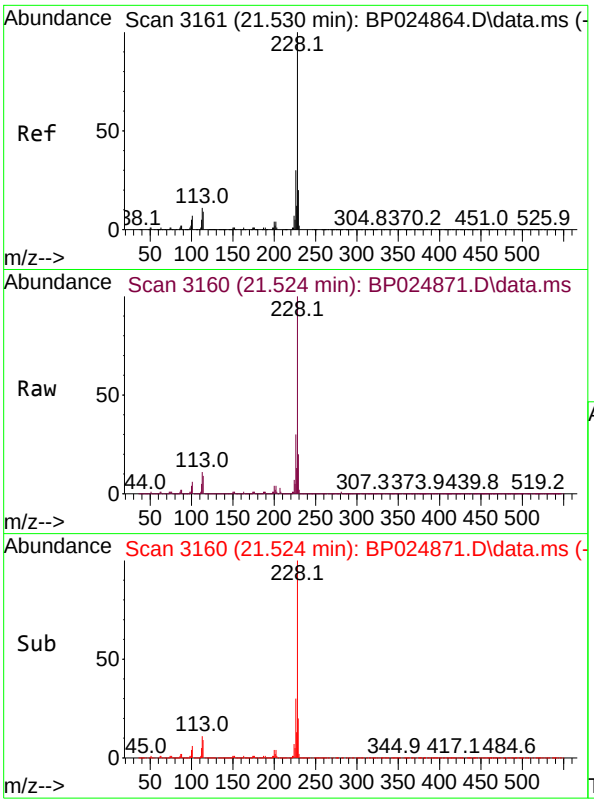


#82
3,3'-Dichlorobenzidine
Concen: 38.683 ng
RT: 21.383 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 1431070

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.2	76.8
126	10.1	8.6	12.8

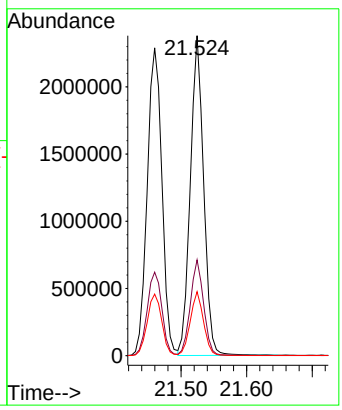




#83
Chrysene
Concen: 38.101 ng
RT: 21.524 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:228 Resp: 336413

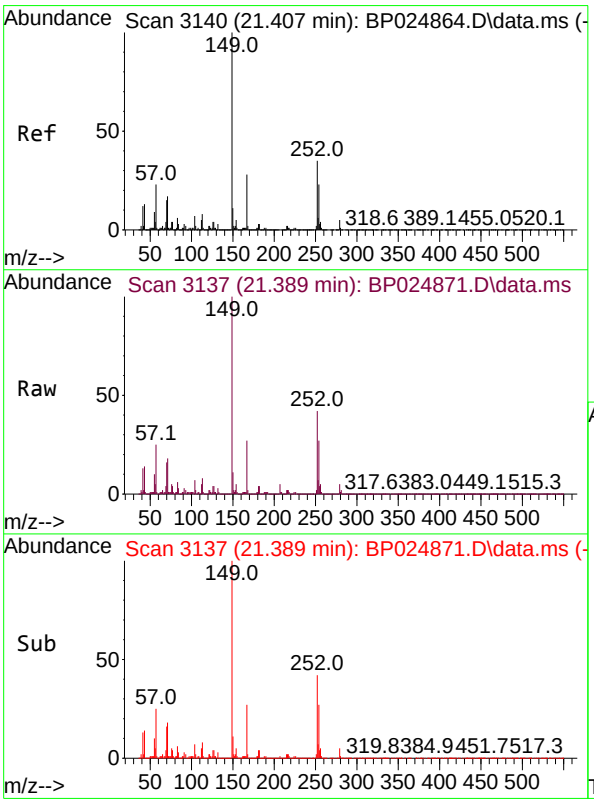
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	20.0	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

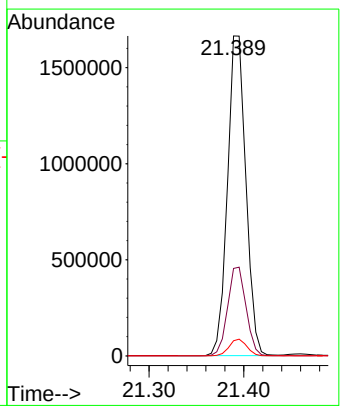
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

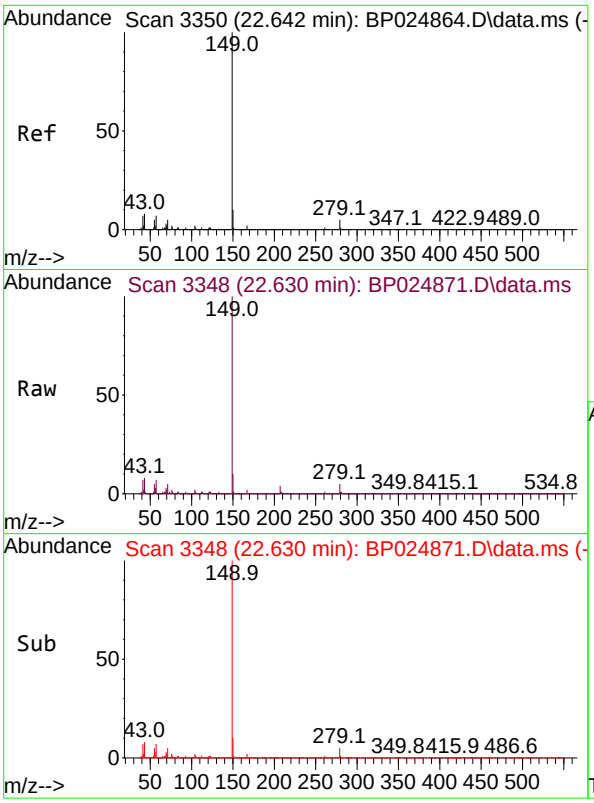


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.636 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 2248290

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	4.7	4.0	6.0

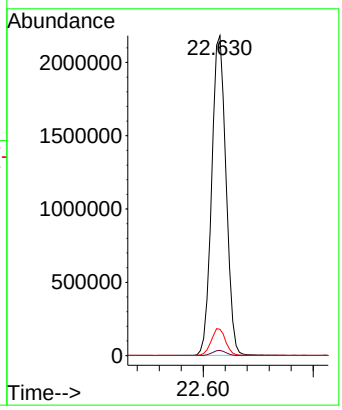




#85
Di-n-octyl phthalate
Concen: 37.383 ng
RT: 22.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 393616

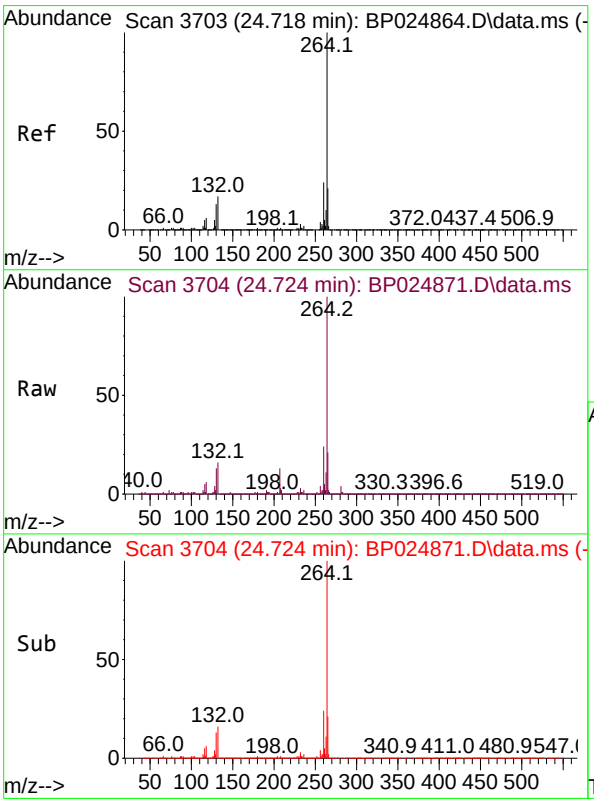
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

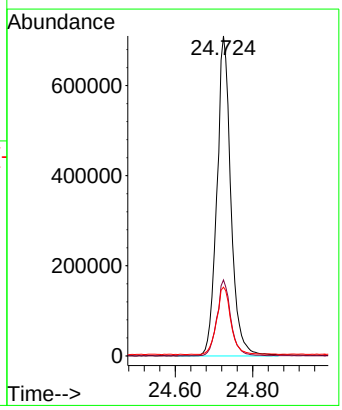
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

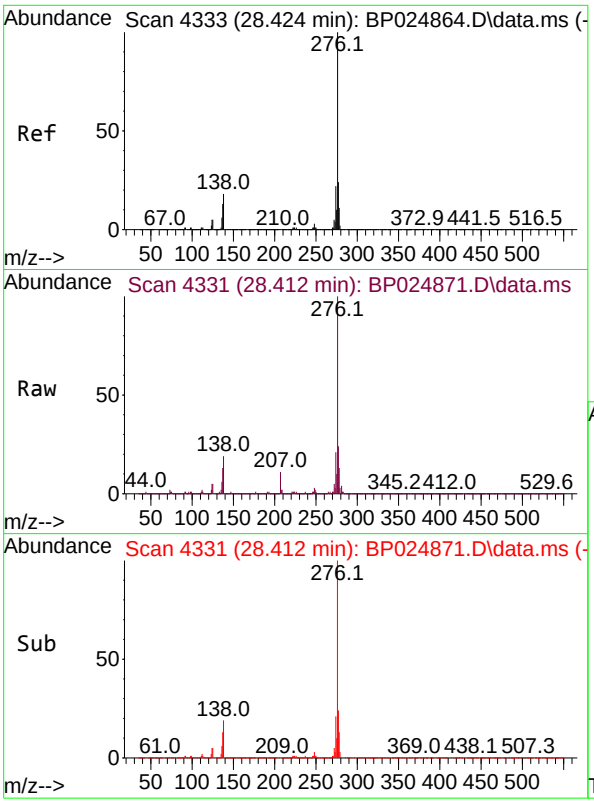


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:264 Resp: 1778909

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.5	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.367 ng
RT: 28.412 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

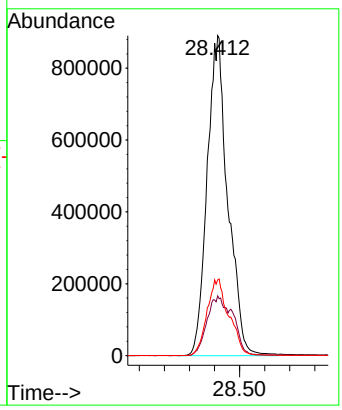
Tgt Ion:276 Resp: 510950

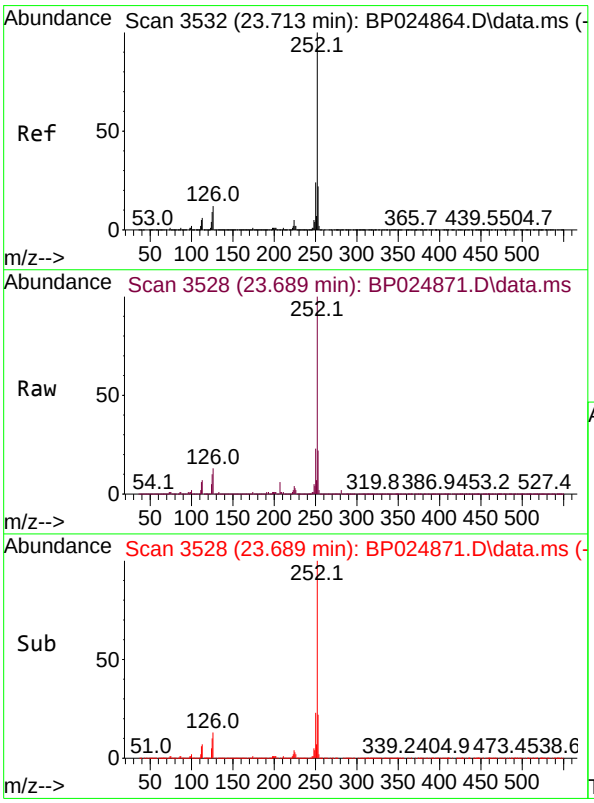
Ion	Ratio	Lower	Upper
276	100		
138	16.8	18.6	27.8
277	25.3	20.2	30.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

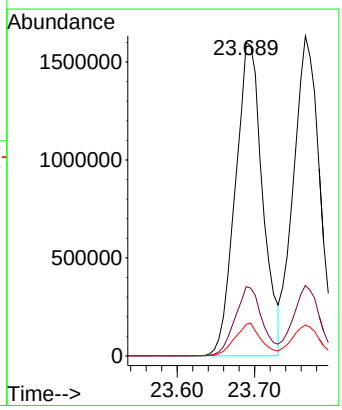


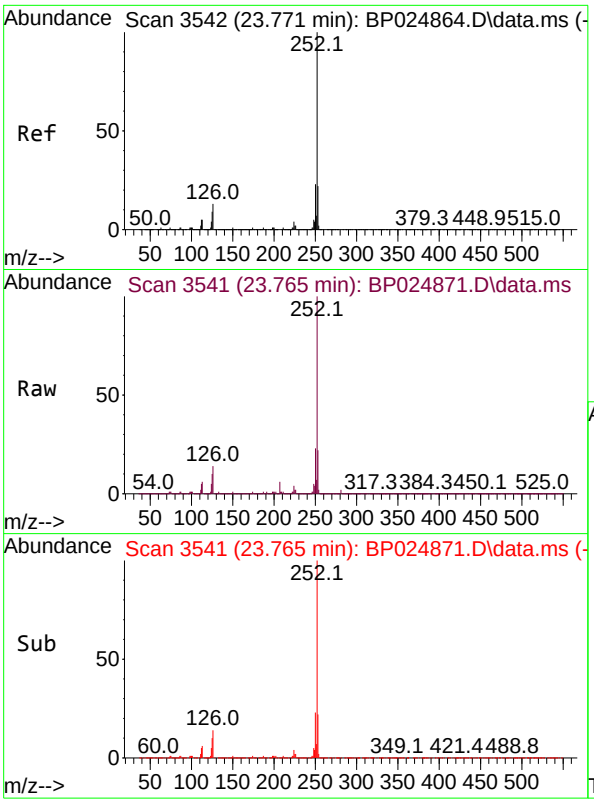


#88
Benzo(b)fluoranthene
Concen: 38.301 ng
RT: 23.689 min Scan# 3528
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 3899336

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	7.1	10.7

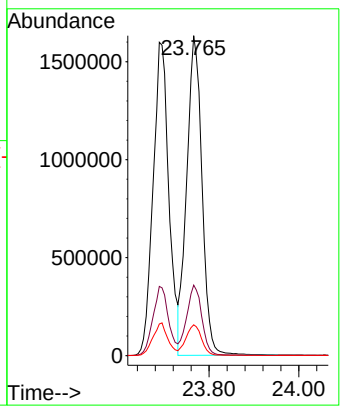




#89
Benzo(k)fluoranthene
Concen: 37.286 ng
RT: 23.765 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 386394

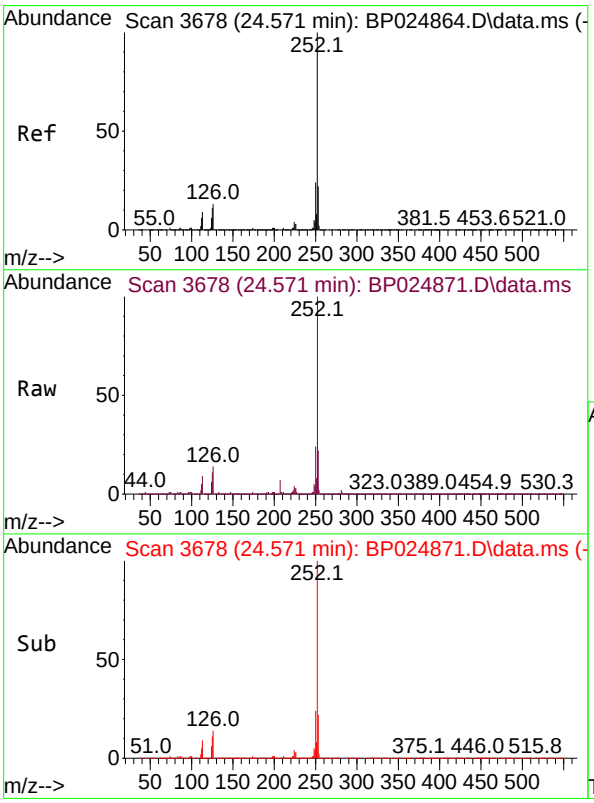
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.6	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

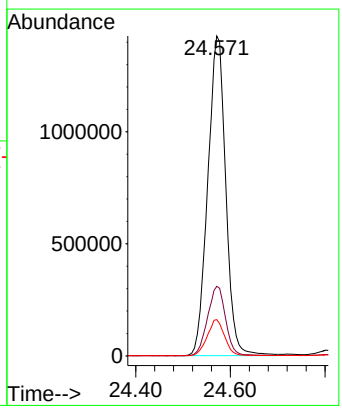
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

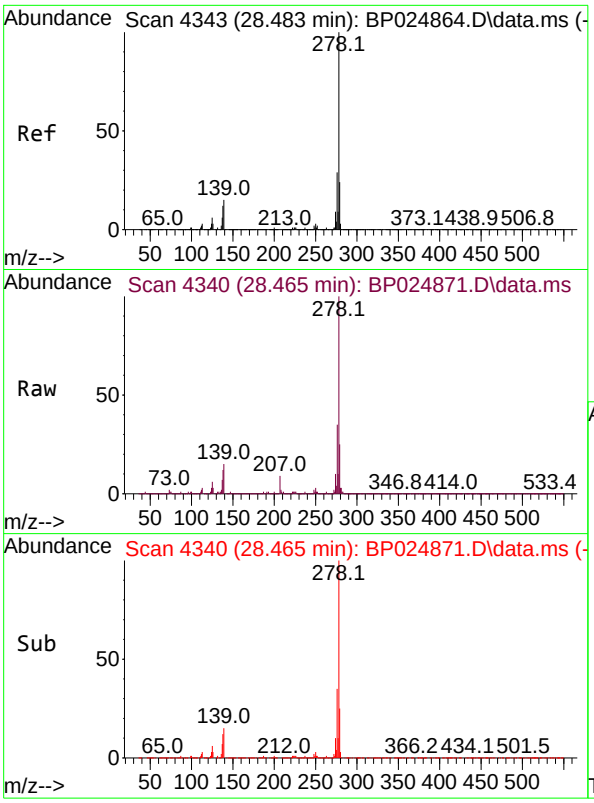


#90
Benzo(a)pyrene
Concen: 37.841 ng
RT: 24.571 min Scan# 3678
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 3762288

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.3	8.8	13.2

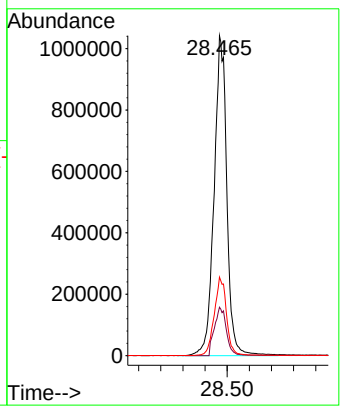




#91
Dibenzo(a,h)anthracene
Concen: 39.385 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:278 Resp: 416090

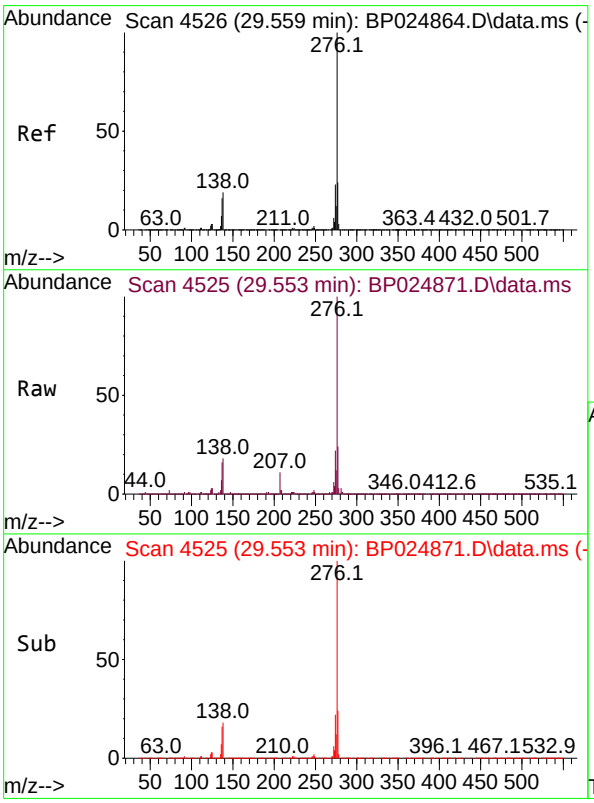
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	24.5	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

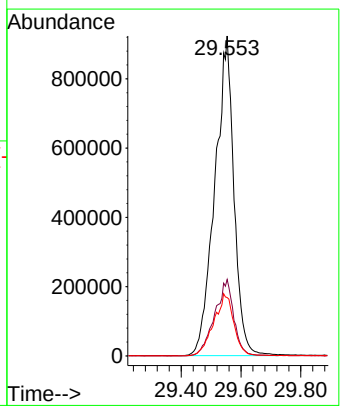
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 39.310 ng
RT: 29.553 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:276 Resp: 4120588

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	18.2	15.4	23.2



Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.527	0.520	1.3	107	0.00
3		Pyridine	1.268	1.350	-6.5	112	0.00
4		n-Nitrosodimethylamine	0.518	0.523	-1.0	106	0.00
5	S	2-Fluorophenol	1.198	1.175	1.9	103	0.00
6		Aniline	2.023	2.057	-1.7	106	0.00
7	S	Phenol-d6	1.585	1.601	-1.0	105	0.00
8		2-Chlorophenol	1.358	1.342	1.2	104	0.00
9		Benzaldehyde	0.914	0.893	2.3	104	0.00
10	C	Phenol	1.634	1.666	-2.0	107	0.00
11		bis(2-Chloroethyl)ether	1.285	1.280	0.4	105	0.00
12		1,3-Dichlorobenzene	1.515	1.435	5.3	102	0.00
13	C	1,4-Dichlorobenzene	1.529	1.461	4.4	103	0.00
14		1,2-Dichlorobenzene	1.501	1.406	6.3	102	0.00
15		Benzyl Alcohol	1.217	1.234	-1.4	107	0.00
16		2,2'-oxybis(1-Chloropropane	1.682	1.631	3.0	105	0.00
17		2-Methylphenol	1.141	1.152	-1.0	106	0.00
18		Hexachloroethane	0.576	0.542	5.9	101	0.00
19	P	n-Nitroso-di-n-propylamine	1.078	1.088	-0.9	106	0.00
20		3+4-Methylphenols	1.557	1.575	-1.2	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.505	0.492	2.6	107	0.00
23	S	Nitrobenzene-d5	0.412	0.405	1.7	107	0.00
24		Nitrobenzene	0.366	0.359	1.9	106	0.00
25		Isophorone	0.713	0.693	2.8	106	0.00
26	C	2-Nitrophenol	0.180	0.181	-0.6	107	0.00
27		2,4-Dimethylphenol	0.309	0.303	1.9	106	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.409	4.0	105	0.00
29	C	2,4-Dichlorophenol	0.296	0.296	0.0	108	0.00
30		1,2,4-Trichlorobenzene	0.334	0.312	6.6	105	0.00
31		Naphthalene	1.025	0.984	4.0	106	0.00
32		Benzoic acid	0.209	0.212	-1.4	110	0.00
33		4-Chloroaniline	0.429	0.434	-1.2	108	0.00
34	C	Hexachlorobutadiene	0.201	0.187	7.0	103	0.00
35		Caprolactam	0.109	0.112	-2.8	108	0.00
36	C	4-Chloro-3-methylphenol	0.342	0.347	-1.5	108	0.00
37		2-Methylnaphthalene	0.650	0.642	1.2	108	0.00
38		1-Methylnaphthalene	0.695	0.675	2.9	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.568	0.541	4.8	107	0.00
41	P	Hexachlorocyclopentadiene	0.346	0.332	4.0	105	0.00
42	S	2,4,6-Tribromophenol	0.277	0.273	1.4	108	-0.01
43	C	2,4,6-Trichlorophenol	0.381	0.373	2.1	106	0.00
44		2,4,5-Trichlorophenol	0.408	0.416	-2.0	109	0.00
45	S	2-Fluorobiphenyl	1.485	1.394	6.1	107	0.00
46		1,1'-Biphenyl	1.453	1.381	5.0	106	0.00
47		2-Chloronaphthalene	1.117	1.069	4.3	106	0.00

Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.343	0.351	-2.3	108	0.00
49		Acenaphthylene	1.863	1.770	5.0	106	0.00
50		Dimethylphthalate	1.475	1.400	5.1	106	0.00
51		2,6-Dinitrotoluene	0.318	0.308	3.1	105	0.00
52	C	Acenaphthene	1.067	1.029	3.6	107	0.00
53		3-Nitroaniline	0.330	0.343	-3.9	108	0.00
54	P	2,4-Dinitrophenol	0.178	0.182	-2.2	108	-0.01
55		Dibenzofuran	1.713	1.630	4.8	107	0.00
56	P	4-Nitrophenol	0.239	0.252	-5.4	108	0.00
57		2,4-Dinitrotoluene	0.445	0.443	0.4	108	0.00
58		Fluorene	1.384	1.326	4.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.364	0.3	109	0.00
60		Diethylphthalate	1.470	1.395	5.1	107	-0.02
61		4-Chlorophenyl-phenylether	0.677	0.627	7.4	105	0.00
62		4-Nitroaniline	0.299	0.327	-9.4	112	-0.01
63		Azobenzene	1.349	1.304	3.3	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	-0.01
65		4,6-Dinitro-2-methylphenol	0.131	0.131	0.0	108	-0.02
66	c	n-Nitrosodiphenylamine	0.620	0.596	3.9	107	0.00
67		4-Bromophenyl-phenylether	0.226	0.216	4.4	109	0.00
68		Hexachlorobenzene	0.274	0.261	4.7	108	-0.01
69		Atrazine	0.225	0.214	4.9	106	0.00
70	C	Pentachlorophenol	0.142	0.150	-5.6	116	0.00
71		Phenanthrene	1.105	1.056	4.4	108	-0.01
72		Anthracene	1.119	1.067	4.6	107	0.00
73		Carbazole	1.038	1.005	3.2	108	0.00
74		Di-n-butylphthalate	1.285	1.195	7.0	101	-0.02
75	C	Fluoranthene	1.281	1.200	6.3	106	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.619	0.657	-6.1	105	-0.01
78		Pyrene	1.249	1.182	5.4	104	-0.01
79	S	Terphenyl-d14	1.116	1.046	6.3	100	-0.02
80		Butylbenzylphthalate	0.572	0.544	4.9	101	-0.01
81		Benzo(a)anthracene	1.279	1.229	3.9	105	0.00
82		3,3'-Dichlorobenzidine	0.508	0.491	3.3	104	-0.02
83		Chrysene	1.212	1.154	4.8	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.820	0.772	5.9	101	-0.02
85	c	Di-n-octyl phthalate	1.445	1.351	6.5	102	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	1.459	1.436	1.6	110	-0.01
88		Benzo(b)fluoranthene	1.145	1.096	4.3	105	-0.02
89		Benzo(k)fluoranthene	1.165	1.086	6.8	106	0.00
90	C	Benzo(a)pyrene	1.118	1.057	5.5	107	0.00
91		Dibenzo(a,h)anthracene	1.188	1.170	1.5	111	-0.02
92		Benzo(g,h,i)perylene	1.179	1.158	1.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	39.467	1.3	107	0.00
3		Pyridine	40.000	42.594	-6.5	112	0.00
4		n-Nitrosodimethylamine	40.000	40.365	-0.9	106	0.00
5	S	2-Fluorophenol	80.000	78.447	1.9	103	0.00
6		Aniline	40.000	40.669	-1.7	106	0.00
7	S	Phenol-d6	80.000	80.773	-1.0	105	0.00
8		2-Chlorophenol	40.000	39.534	1.2	104	0.00
9		Benzaldehyde	40.000	39.075	2.3	104	0.00
10	C	Phenol	40.000	40.776	-1.9	107	0.00
11		bis(2-Chloroethyl)ether	40.000	39.832	0.4	105	0.00
12		1,3-Dichlorobenzene	40.000	37.873	5.3	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.233	4.4	103	0.00
14		1,2-Dichlorobenzene	40.000	37.460	6.3	102	0.00
15		Benzyl Alcohol	40.000	40.579	-1.4	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.789	3.0	105	0.00
17		2-Methylphenol	40.000	40.381	-1.0	106	0.00
18		Hexachloroethane	40.000	37.656	5.9	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.367	-0.9	106	0.00
20		3+4-Methylphenols	40.000	40.467	-1.2	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	38.956	2.6	107	0.00
23	S	Nitrobenzene-d5	80.000	78.737	1.6	107	0.00
24		Nitrobenzene	40.000	39.249	1.9	106	0.00
25		Isophorone	40.000	38.882	2.8	106	0.00
26	C	2-Nitrophenol	40.000	40.144	-0.4	107	0.00
27		2,4-Dimethylphenol	40.000	39.225	1.9	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.433	3.9	105	0.00
29	C	2,4-Dichlorophenol	40.000	39.988	0.0	108	0.00
30		1,2,4-Trichlorobenzene	40.000	37.323	6.7	105	0.00
31		Naphthalene	40.000	38.386	4.0	106	0.00
32		Benzoic acid	40.000	40.563	-1.4	110	0.00
33		4-Chloroaniline	40.000	40.422	-1.1	108	0.00
34	C	Hexachlorobutadiene	40.000	37.207	7.0	103	0.00
35		Caprolactam	40.000	41.048	-2.6	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.629	-1.6	108	0.00
37		2-Methylnaphthalene	40.000	39.479	1.3	108	0.00
38		1-Methylnaphthalene	40.000	38.845	2.9	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.146	4.6	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.332	4.2	105	0.00
42	S	2,4,6-Tribromophenol	80.000	78.869	1.4	108	-0.01
43	C	2,4,6-Trichlorophenol	40.000	39.103	2.2	106	0.00
44		2,4,5-Trichlorophenol	40.000	40.784	-2.0	109	0.00
45	S	2-Fluorobiphenyl	80.000	75.092	6.1	107	0.00
46		1,1'-Biphenyl	40.000	38.014	5.0	106	0.00
47		2-Chloronaphthalene	40.000	38.278	4.3	106	0.00

Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.825	-2.1	108	0.00
49		Acenaphthylene	40.000	38.013	5.0	106	0.00
50		Dimethylphthalate	40.000	37.961	5.1	106	0.00
51		2,6-Dinitrotoluene	40.000	38.784	3.0	105	0.00
52	C	Acenaphthene	40.000	38.548	3.6	107	0.00
53		3-Nitroaniline	40.000	41.514	-3.8	108	0.00
54	P	2,4-Dinitrophenol	40.000	38.223	4.4	108	-0.01
55		Dibenzofuran	40.000	38.059	4.9	107	0.00
56	P	4-Nitrophenol	40.000	39.074	2.3	108	0.00
57		2,4-Dinitrotoluene	40.000	39.866	0.3	108	0.00
58		Fluorene	40.000	38.310	4.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.904	0.2	109	0.00
60		Diethylphthalate	40.000	37.963	5.1	107	-0.02
61		4-Chlorophenyl-phenylether	40.000	37.065	7.3	105	0.00
62		4-Nitroaniline	40.000	43.719	-9.3	112	-0.01
63		Azobenzene	40.000	38.692	3.3	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	39.815	0.5	108	-0.02
66	c	n-Nitrosodiphenylamine	40.000	38.436	3.9	107	0.00
67		4-Bromophenyl-phenylether	40.000	38.242	4.4	109	0.00
68		Hexachlorobenzene	40.000	38.199	4.5	108	-0.01
69		Atrazine	40.000	38.113	4.7	106	0.00
70	C	Pentachlorophenol	40.000	42.241	-5.6	116	0.00
71		Phenanthrene	40.000	38.207	4.5	108	-0.01
72		Anthracene	40.000	38.143	4.6	107	0.00
73		Carbazole	40.000	38.742	3.1	108	0.00
74		Di-n-butylphthalate	40.000	37.195	7.0	101	-0.02
75	C	Fluoranthene	40.000	37.471	6.3	106	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	42.452	-6.1	105	-0.01
78		Pyrene	40.000	37.827	5.4	104	-0.01
79	S	Terphenyl-d14	80.000	74.981	6.3	100	-0.02
80		Butylbenzylphthalate	40.000	38.030	4.9	101	-0.01
81		Benzo(a)anthracene	40.000	38.417	4.0	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.683	3.3	104	-0.02
83		Chrysene	40.000	38.101	4.7	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.636	5.9	101	-0.02
85	c	Di-n-octyl phthalate	40.000	37.383	6.5	102	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.367	1.6	110	-0.01
88		Benzo(b)fluoranthene	40.000	38.301	4.2	105	-0.02
89		Benzo(k)fluoranthene	40.000	37.286	6.8	106	0.00
90	C	Benzo(a)pyrene	40.000	37.841	5.4	107	0.00
91		Dibenzo(a,h)anthracene	40.000	39.385	1.5	111	-0.02
92		Benzo(g,h,i)perylene	40.000	39.310	1.7	110	0.00

Sample Results: **BP024871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

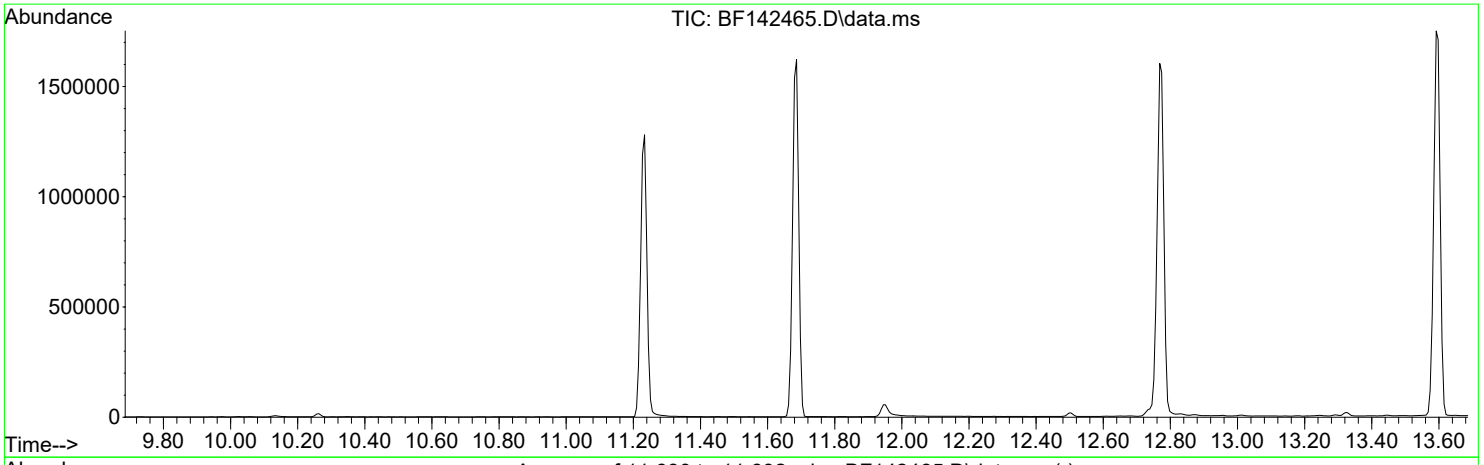
Sample Results: **BF142465.D**

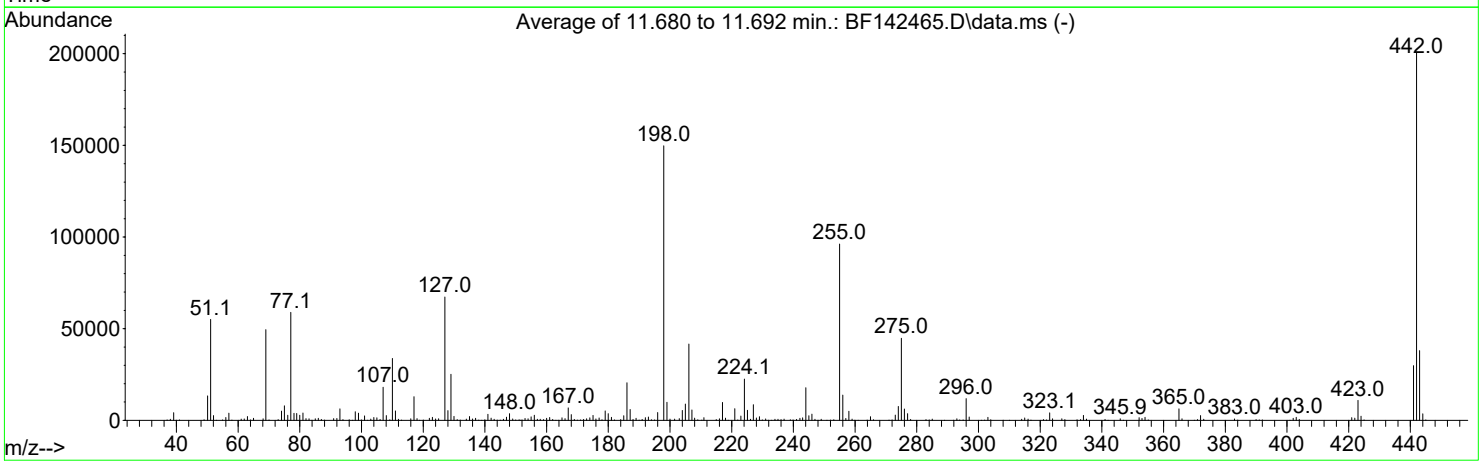
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025





AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.8	55035	PASS
68	69	0.00	2	1.9	918	PASS
69	198	0.00	100	33.1	49499	PASS
70	69	0.00	2	0.5	254	PASS
127	198	10	80	44.9	67277	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	149731	PASS
199	198	5	9	6.6	9853	PASS
275	198	10	60	29.9	44779	PASS
365	198	1	100	4.2	6269	PASS
441	198	0.01	100	19.9	29837	PASS
442	442	50	100	100.0	200661	PASS
443	442	15	24	19.0	38045	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/20/2025	BNA_F	BF142465.D
Compound Name	**Response**	**Retention Time**
DDT	467874	13.598
DDD	6363	13.327
DDE	709	12.957
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7072	474946	1.49

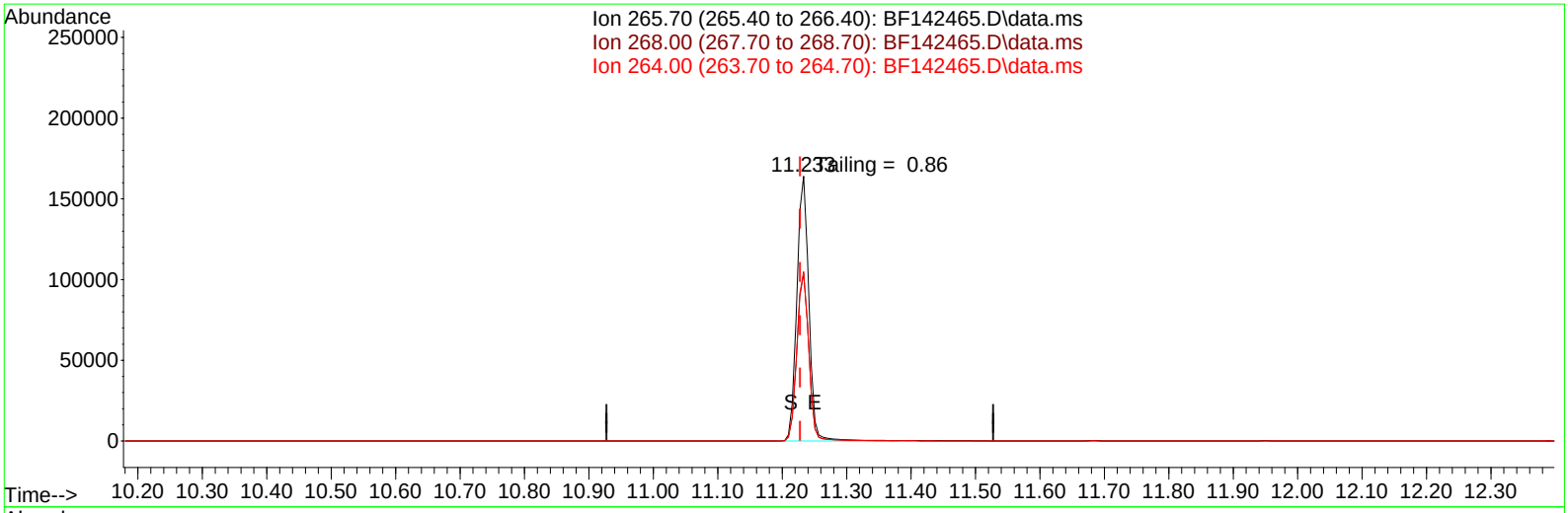
Instrument :
BNA_F
ClientSampleId :
DFTPP

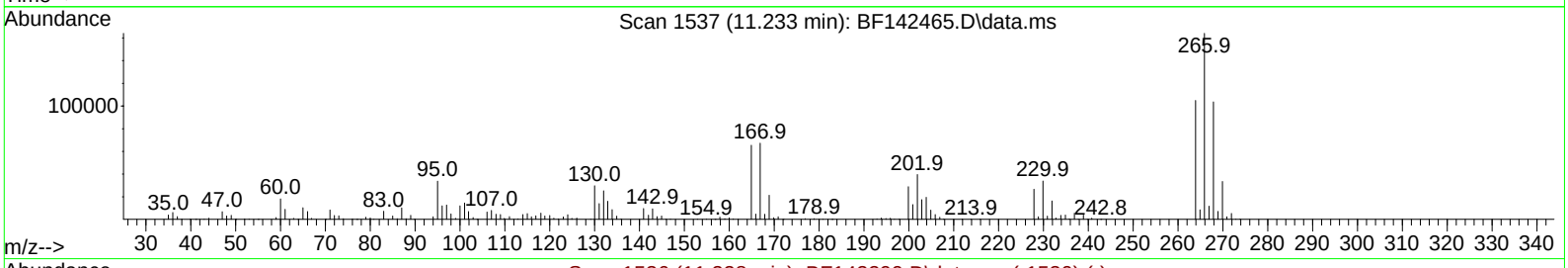
Sample Results: **BF142465.D**

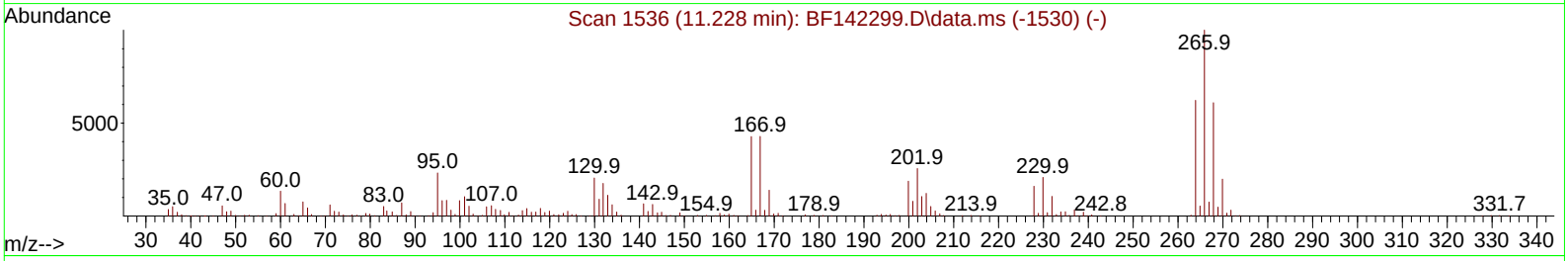
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 20 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142465.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.006) 45340.77 ng

response 213501

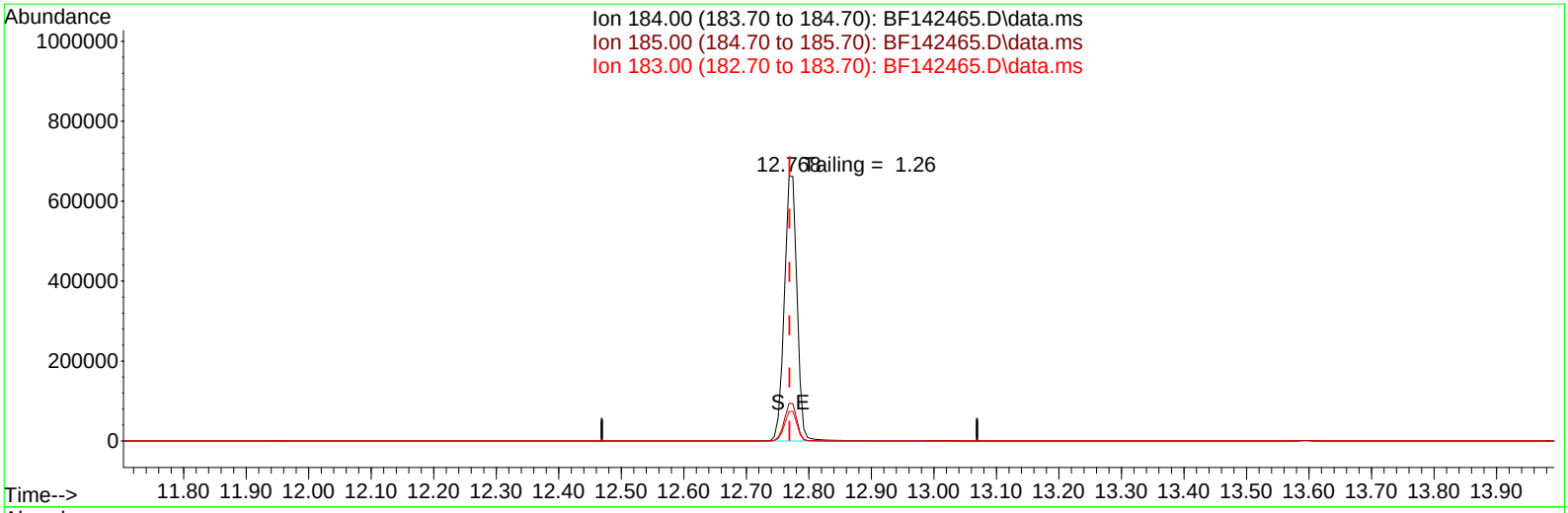
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.90	63.21
264.00	62.20	63.93
0.00	0.00	0.00

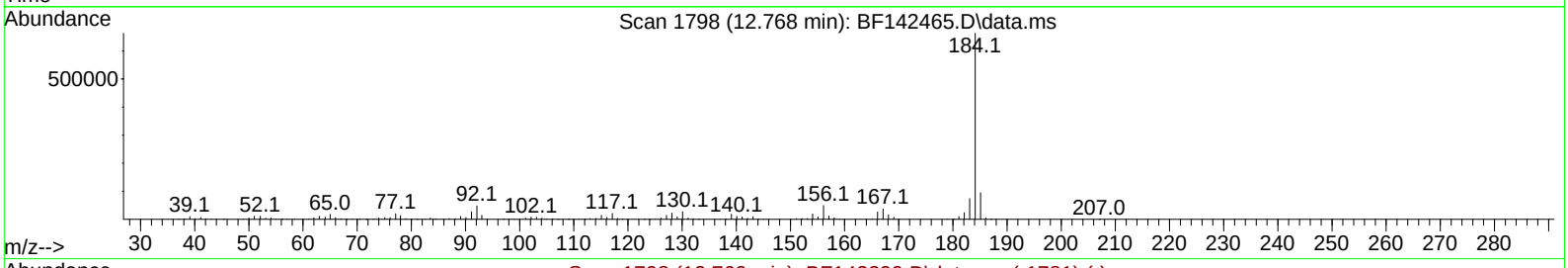
Sample Results: **BF142465.D**

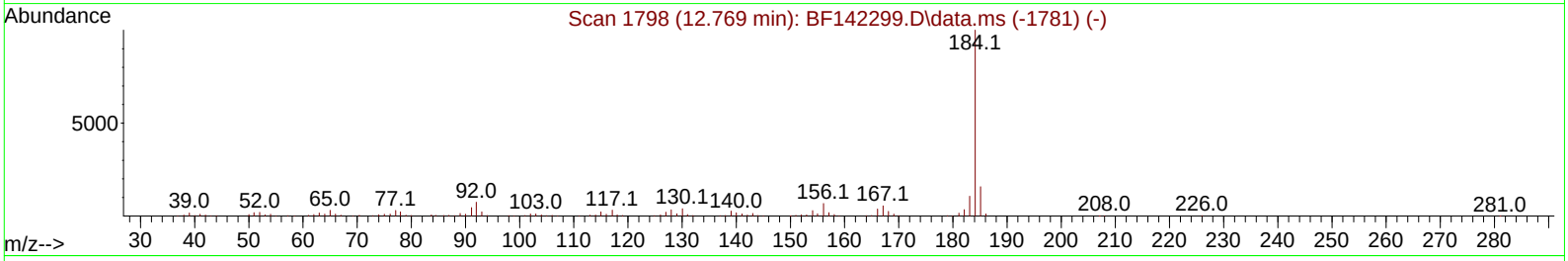
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052025\
Data File : BF142465.D
Acq On : 20 May 2025 11:13
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 20 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142465.D\data.ms

(77) Benzidine

12.768min (-0.001) 0.00 ng

response 942414

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.29
183.00	10.70	11.15
0.00	0.00	0.00

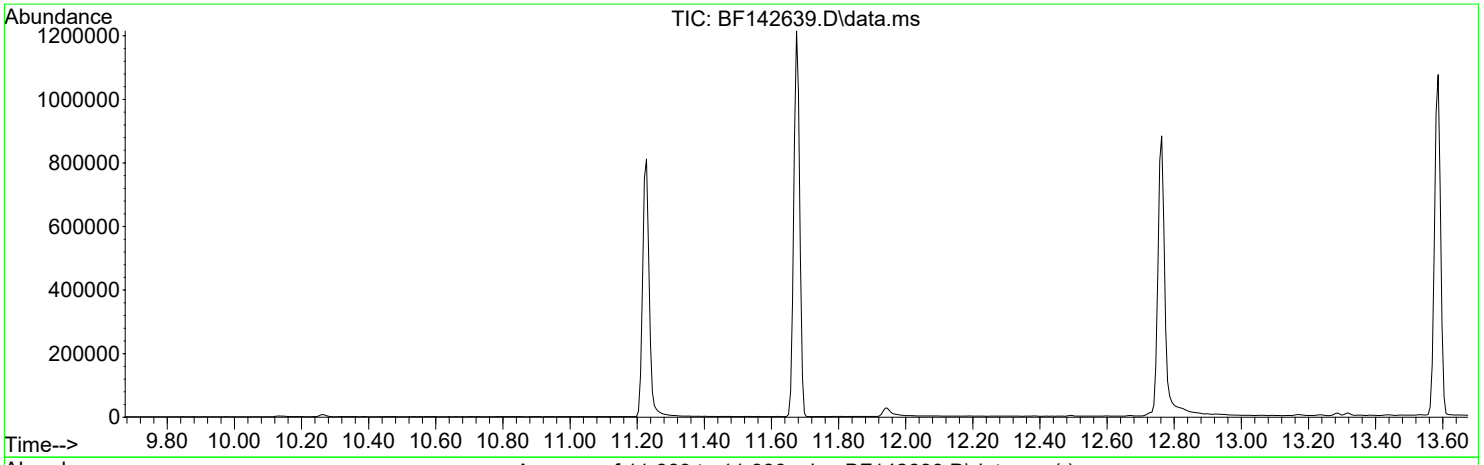
Sample Results: **BF142639.D**

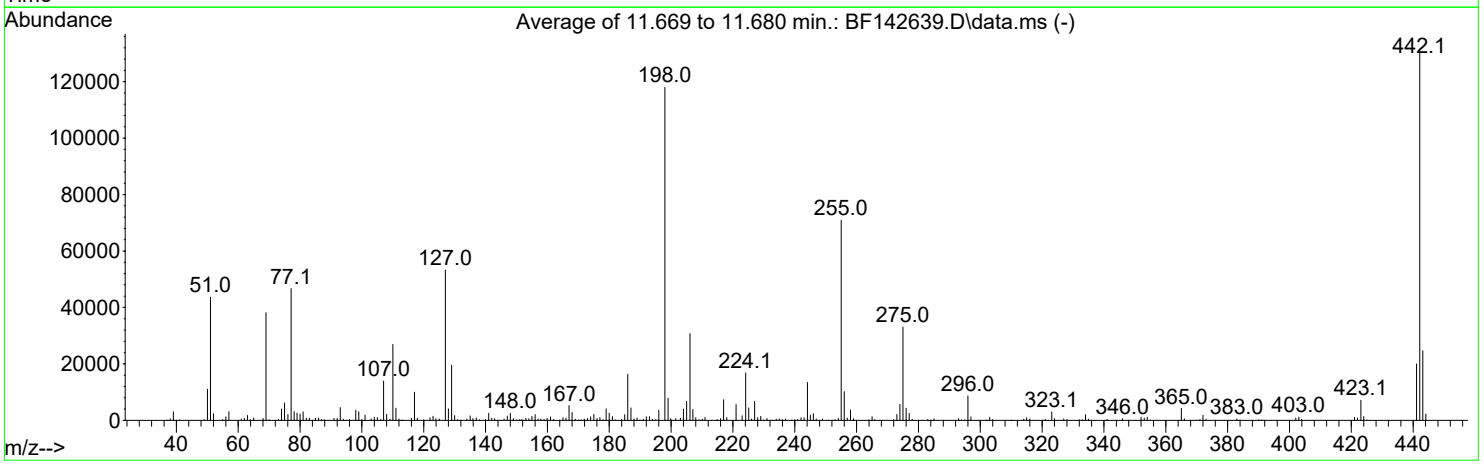
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142639.D
Acq On : 06 Jun 2025 11:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.0	43683	PASS
68	69	0.00	2	1.8	699	PASS
69	198	0.00	100	32.3	38139	PASS
70	69	0.00	2	0.6	236	PASS
127	198	10	80	45.2	53288	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	117984	PASS
199	198	5	9	6.6	7844	PASS
275	198	10	60	28.0	33067	PASS
365	198	1	100	3.6	4253	PASS
441	198	0.01	100	17.0	20023	PASS
442	442	50	100	100.0	130333	PASS
443	442	15	24	18.9	24653	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/6/2025	BNA_F	BF142639.D
Compound Name	**Response**	**Retention Time**
DDT	279400	13.586
DDD	5638	13.286
DDE	586	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6224	285624	2.18

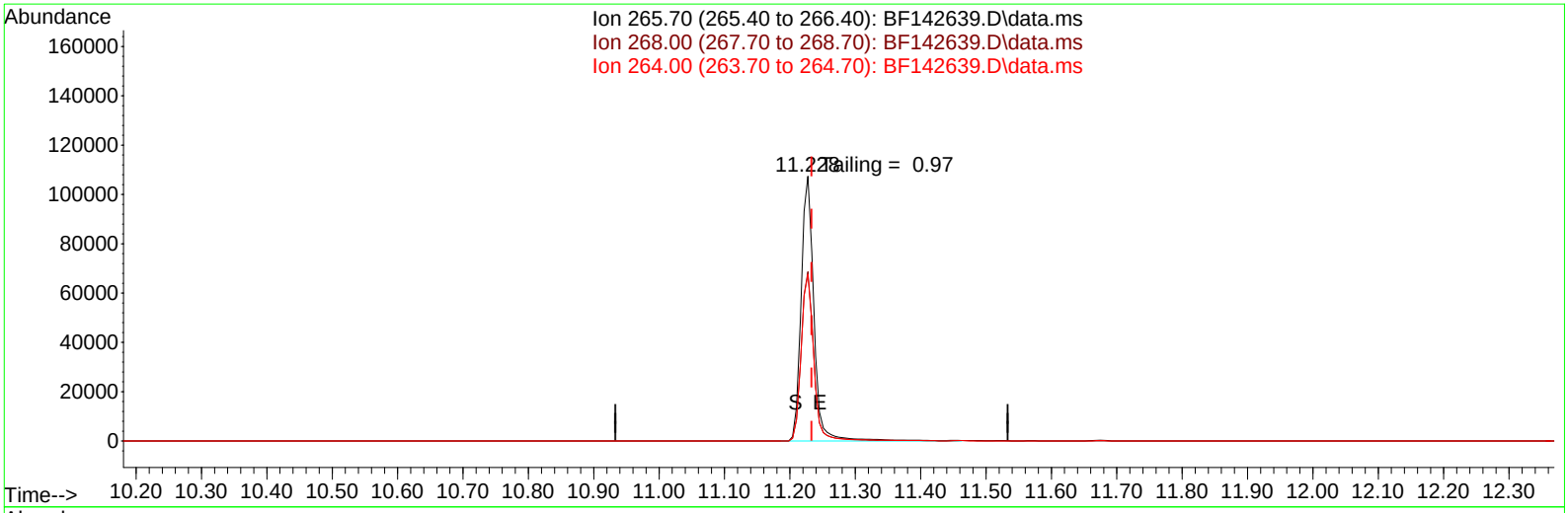
Instrument :
BNA_F
ClientSampleId :
DFTPP

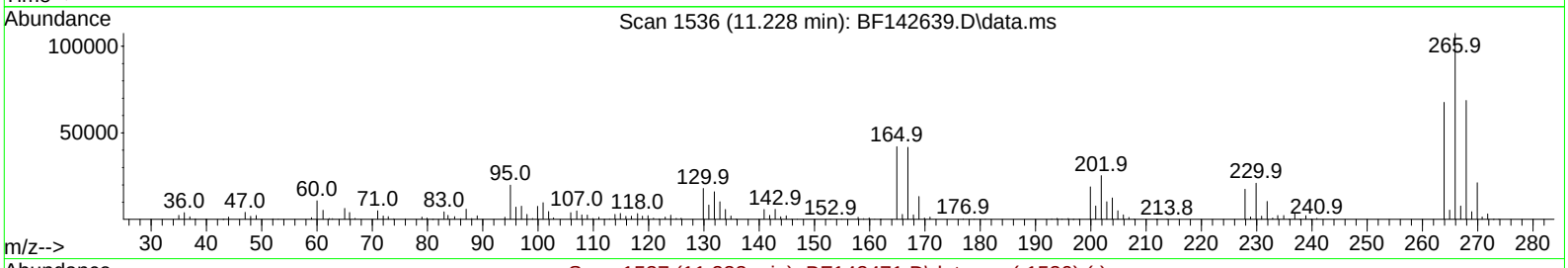
Sample Results: **BF142639.D**

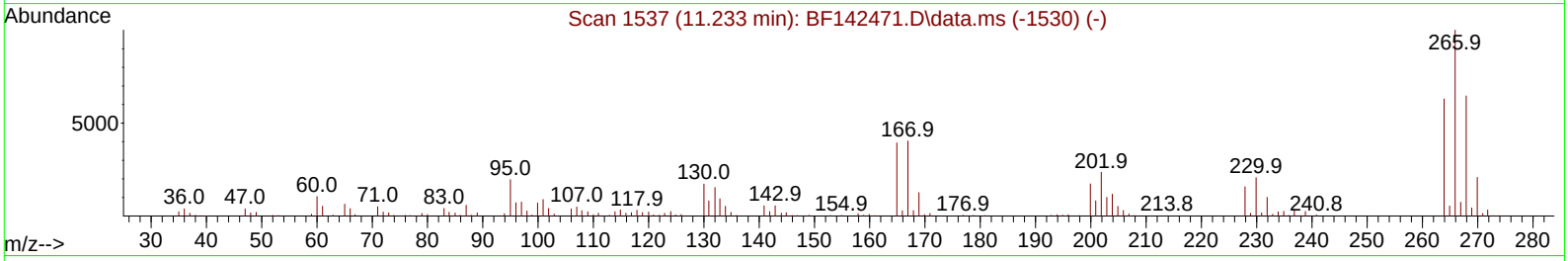
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142639.D
Acq On : 06 Jun 2025 11:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 06 12:07:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142639.D\data.ms

(70) Pentachlorophenol (C)

11.228min (-0.006) 29628.01 ng

response 145695

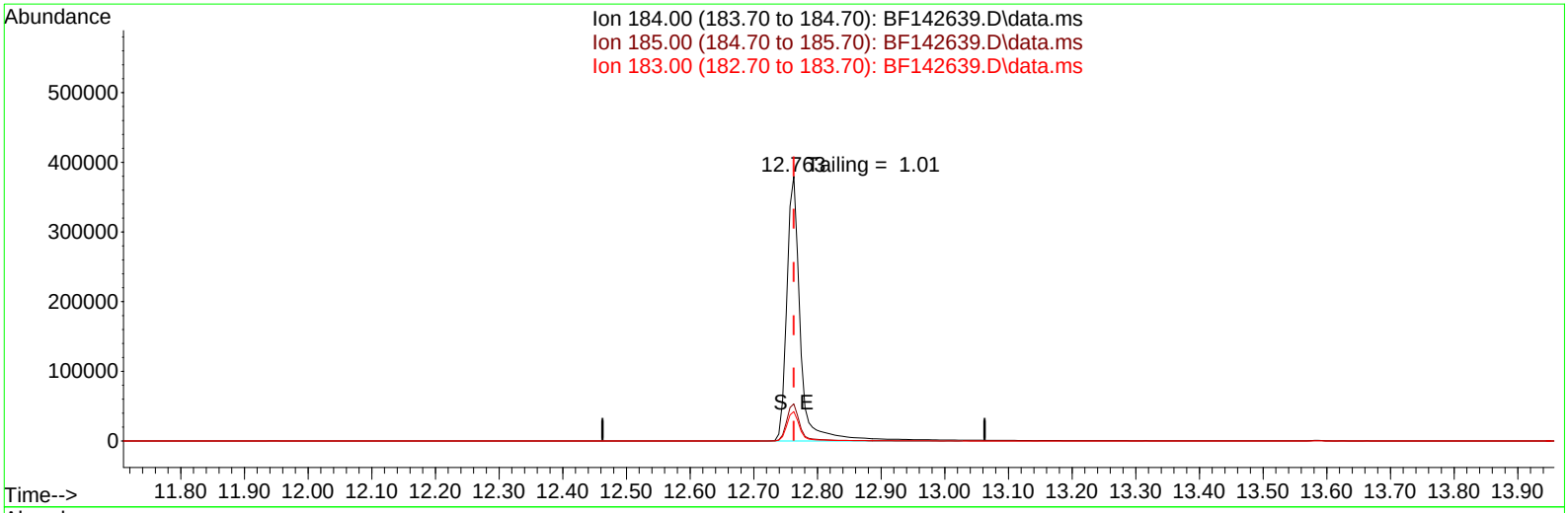
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.60	63.93
264.00	63.00	62.94
0.00	0.00	0.00

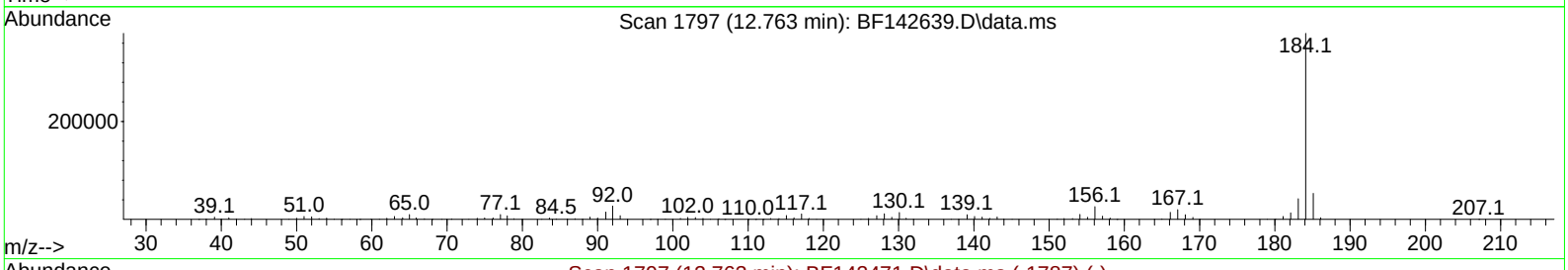
Sample Results: **BF142639.D**

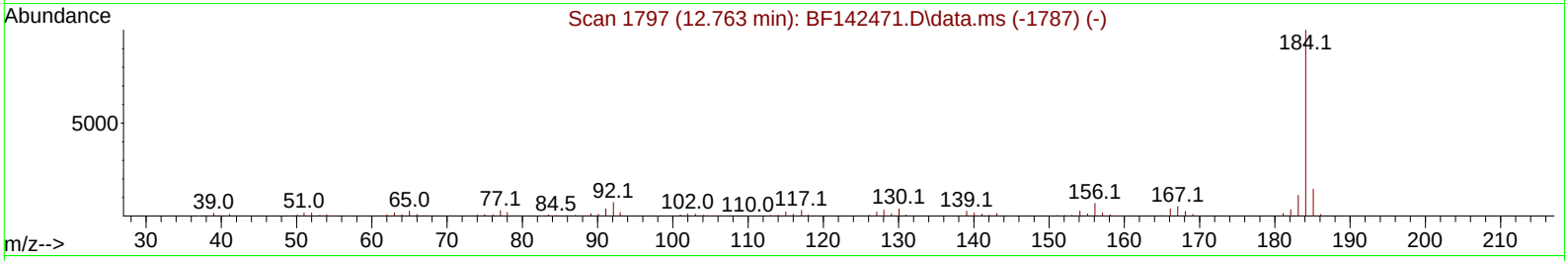
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142639.D
Acq On : 06 Jun 2025 11:01
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 06 12:07:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration







TIC: BF142639.D\data.ms

(77) Benzidine

12.763min (+ 0.000) 0.00 ng

response 566505

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.01
183.00	11.20	11.13
0.00	0.00	0.00

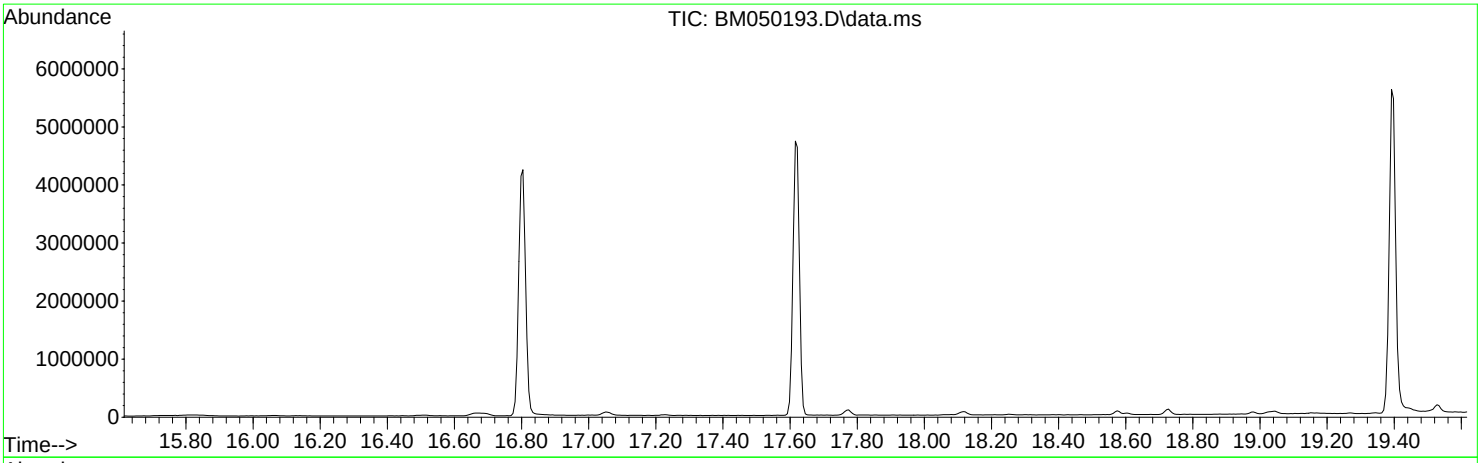
Sample Results: **BM050193.D**

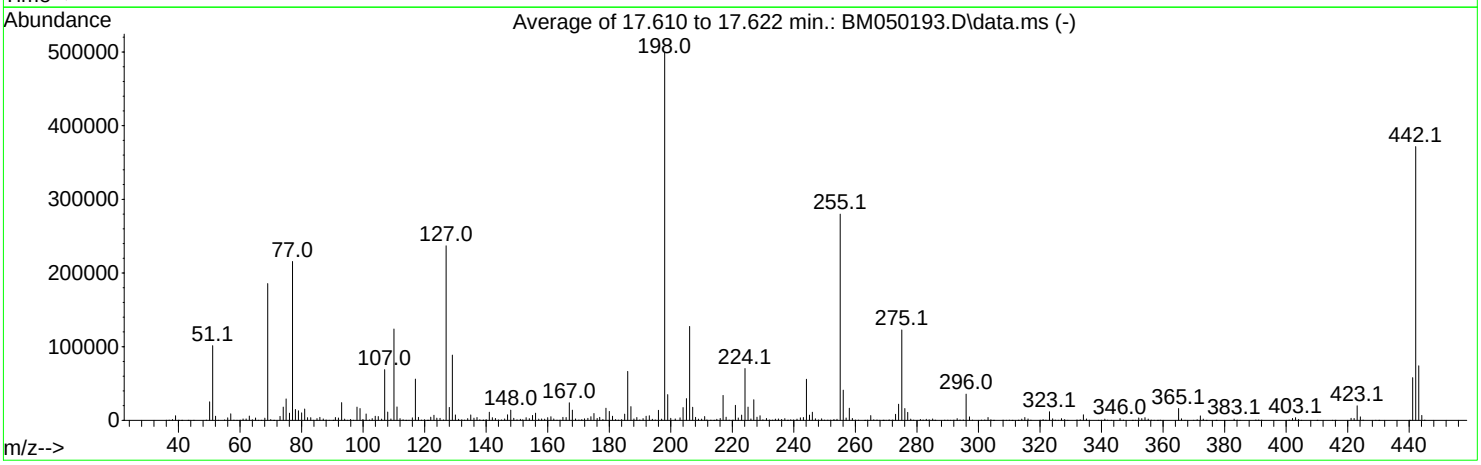
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025





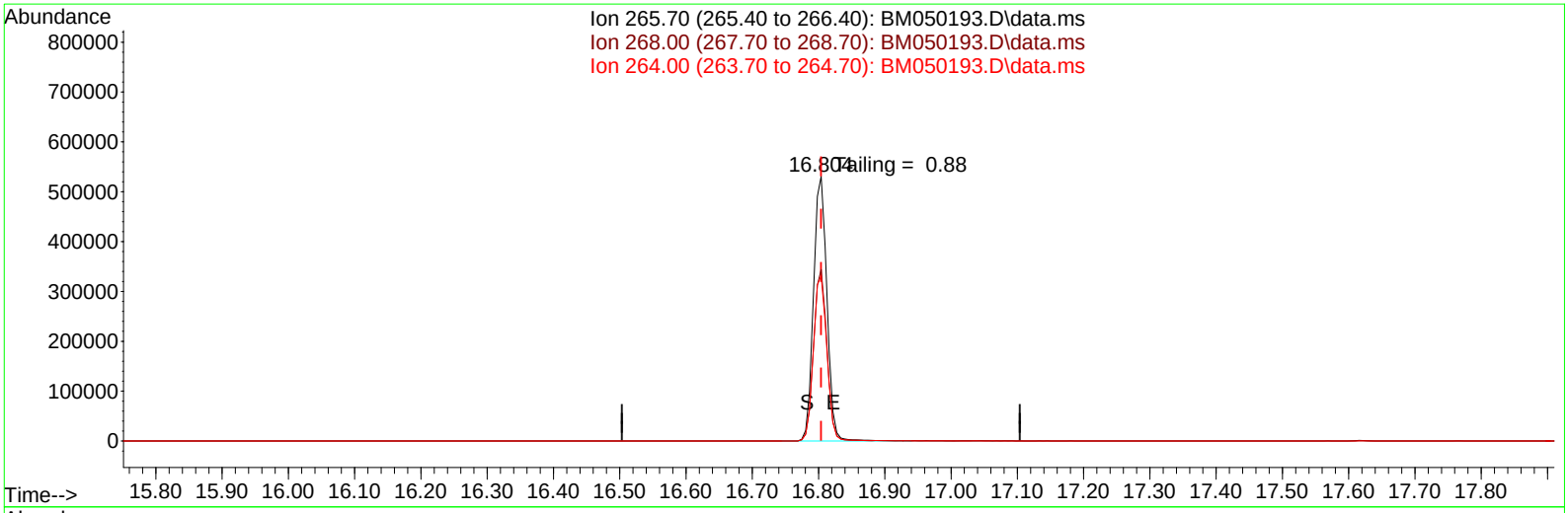
AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

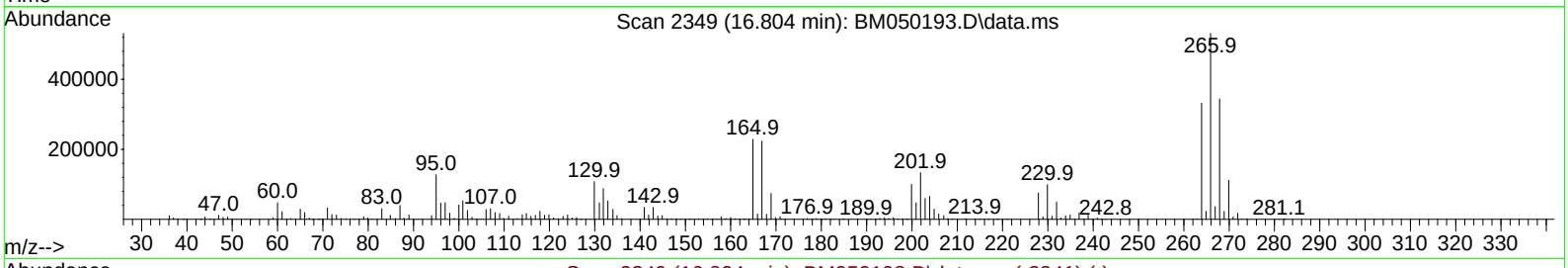
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	20.3	101444	PASS
68	69	0.00	2	1.6	2964	PASS
69	198	0.00	100	37.2	185664	PASS
70	69	0.00	2	0.6	1032	PASS
127	198	10	80	47.5	237035	PASS
197	198	0.00	2	0.4	1811	PASS
198	198	100	100	100.0	499264	PASS
199	198	5	9	7.0	34904	PASS
275	198	10	60	24.6	122771	PASS
365	198	1	100	3.2	16128	PASS
441	198	0.01	100	11.6	57920	PASS
442	442	50	100	100.0	371584	PASS
443	442	15	24	19.9	74069	PASS

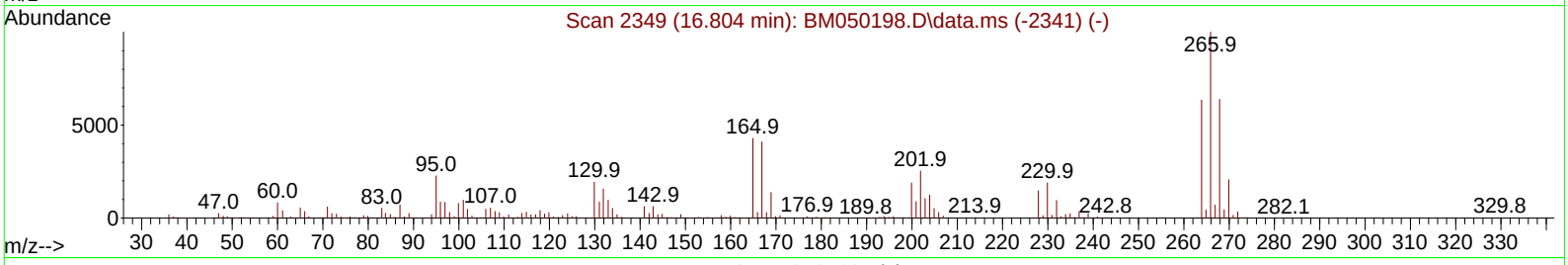
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jun 05 16:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration







TIC: BM050193.D\data.ms

(70) Pentachlorophenol (C)

16.804min (+ 0.000) 1708888.69 ng

response 747502

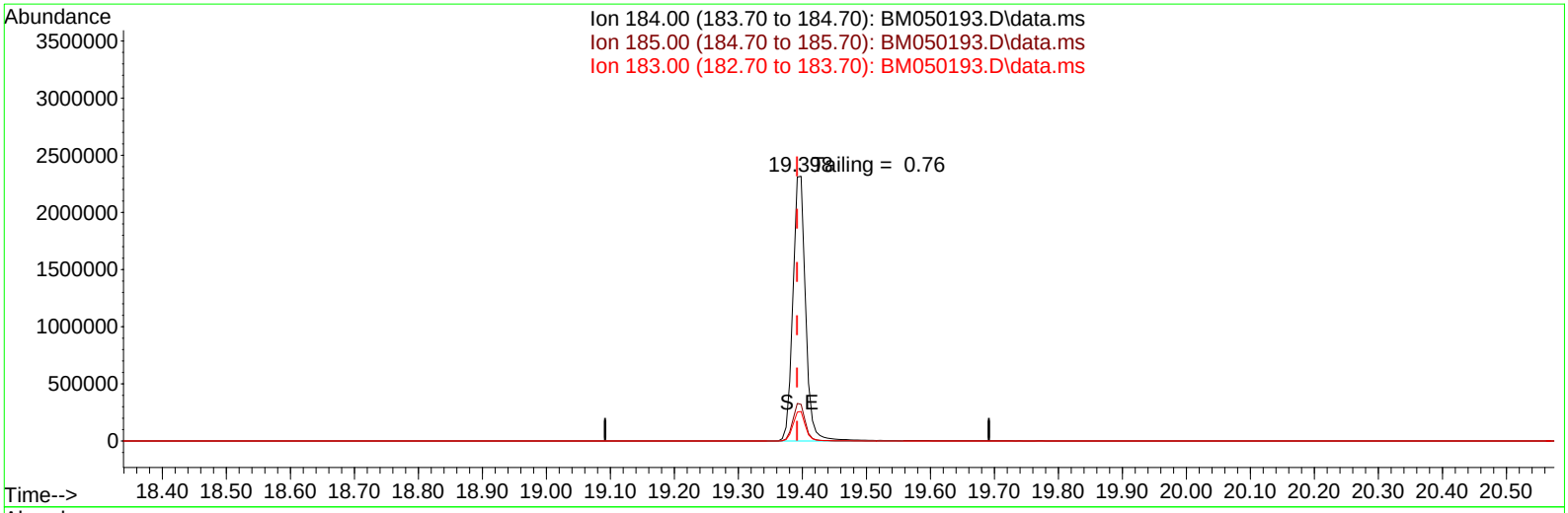
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.80
264.00	63.50	62.45
0.00	0.00	0.00

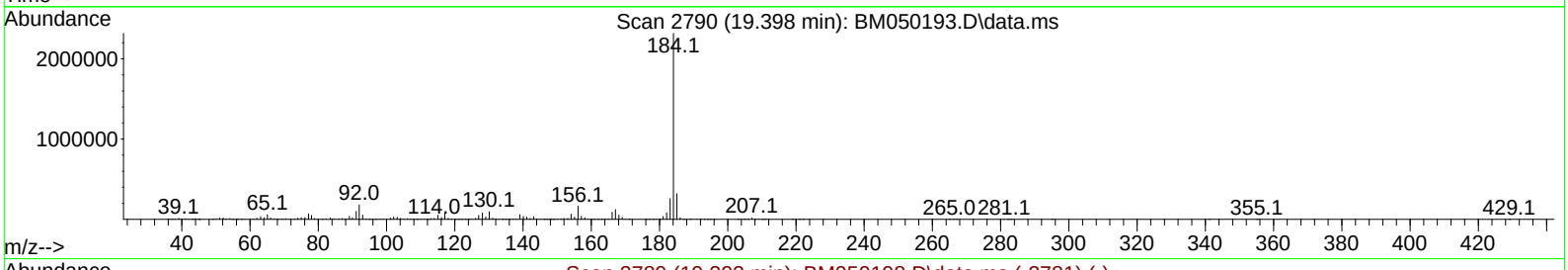
Sample Results: **BM050193.D**

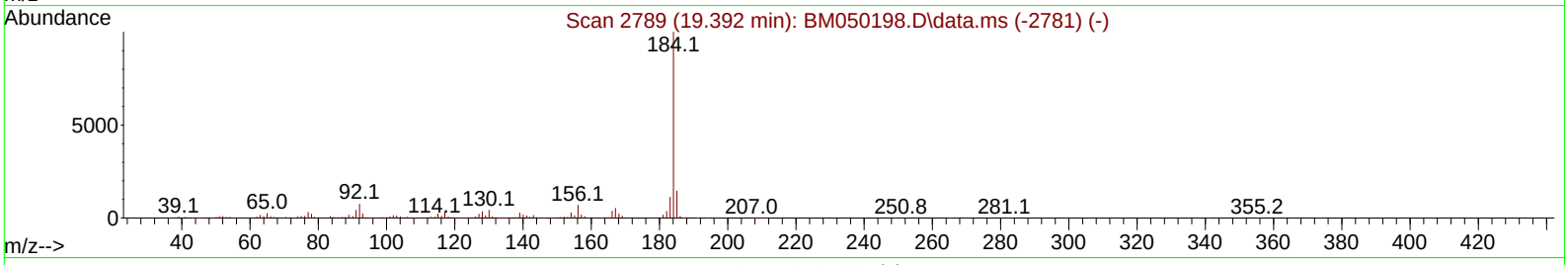
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jun 05 16:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration







TIC: BM050193.D\data.ms

(77) Benzidine

19.398min (+ 0.006) 33233.28 ng

response 3215775

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.84
183.00	11.20	11.16
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/5/2025	BNA_M	BM050193.D
Compound Name	**Response**	**Retention Time**
DDT	1539212	20.645
DDD	20154	20.257
DDE	1832	19.692
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21986	1561198	1.41

Instrument :
BNA_M
ClientSampleId :
DFTPP

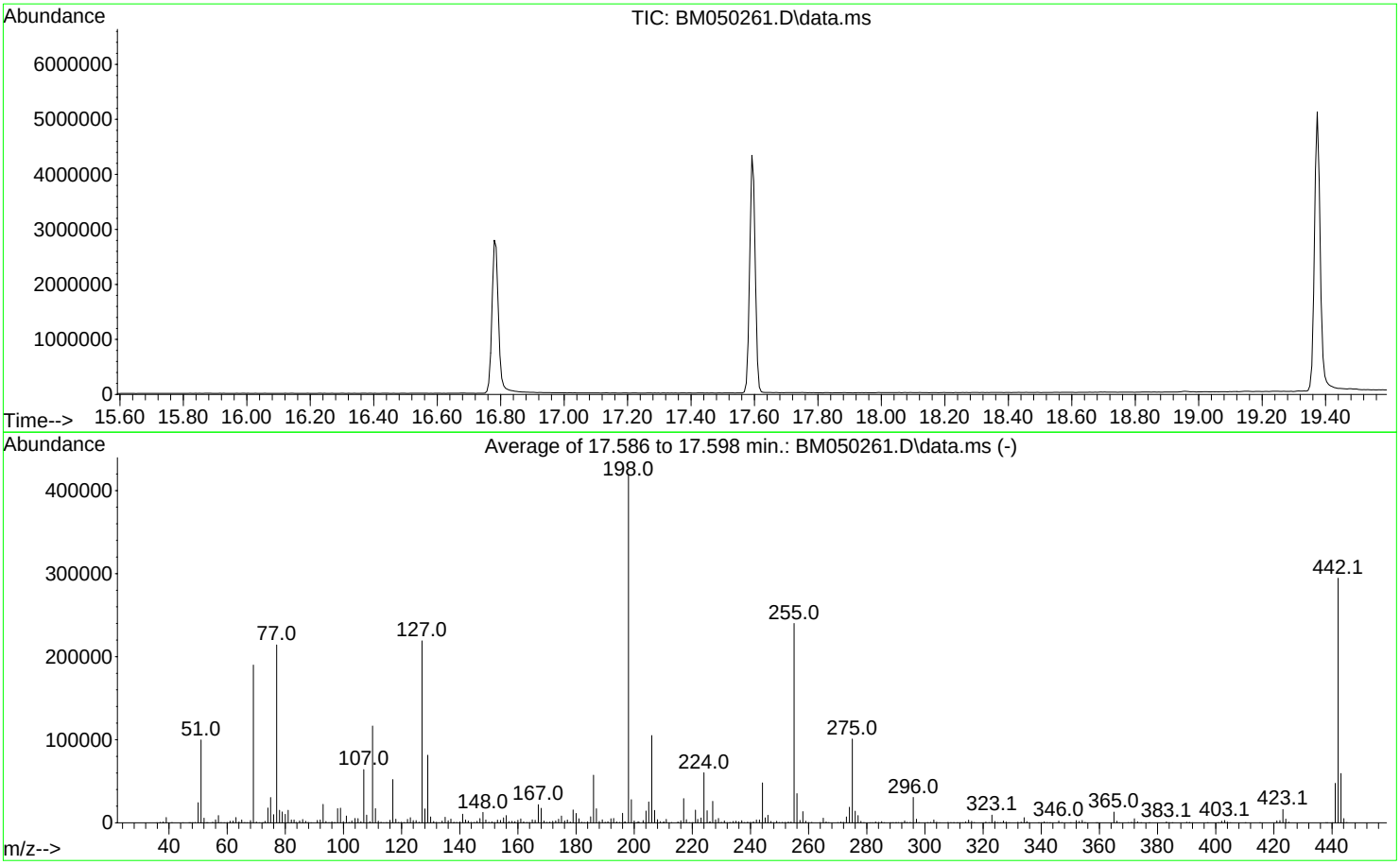
Sample Results: **BM050261.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050261.D
Acq On : 10 Jun 2025 04:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 11:54:38 2025



AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

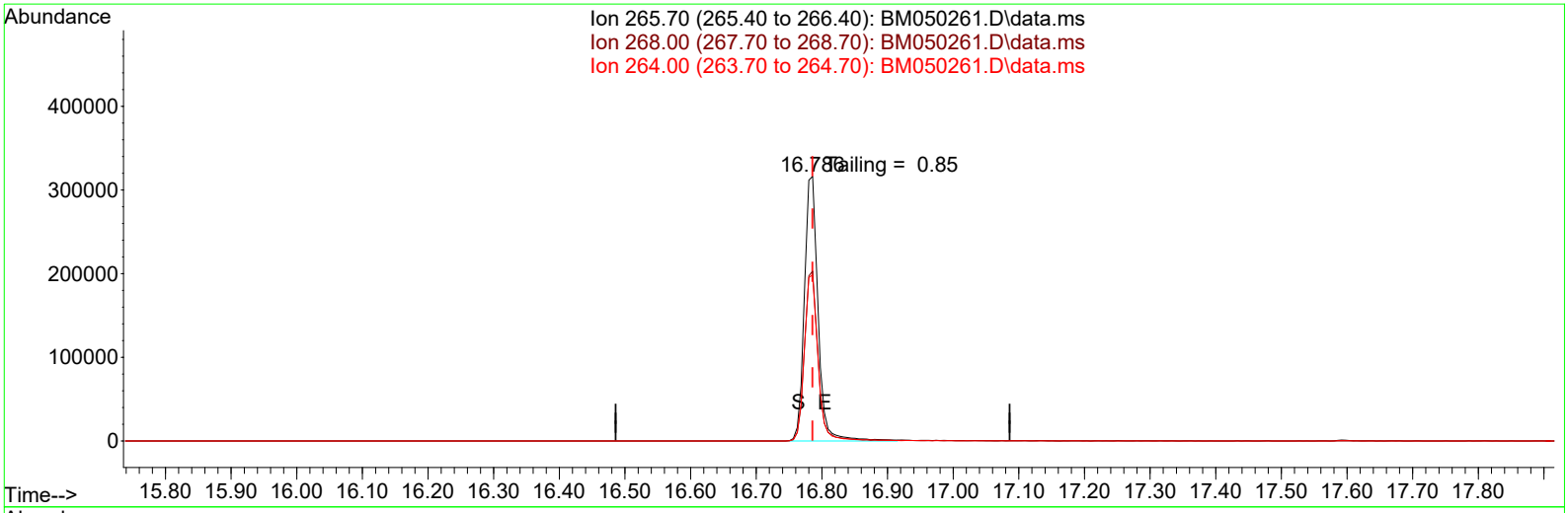
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	99808	PASS
68	69	0.00	2	1.5	2792	PASS
69	198	0.00	100	45.4	189995	PASS
70	69	0.00	2	0.5	984	PASS
127	198	10	80	52.3	219093	PASS
197	198	0.00	2	0.3	1212	PASS
198	198	100	100	100.0	418709	PASS
199	198	5	9	6.6	27819	PASS
275	198	10	60	24.1	100909	PASS
365	198	1	100	3.1	12955	PASS
441	198	0.01	100	11.3	47504	PASS
442	442	50	100	100.0	294400	PASS
443	442	15	24	20.2	59373	PASS

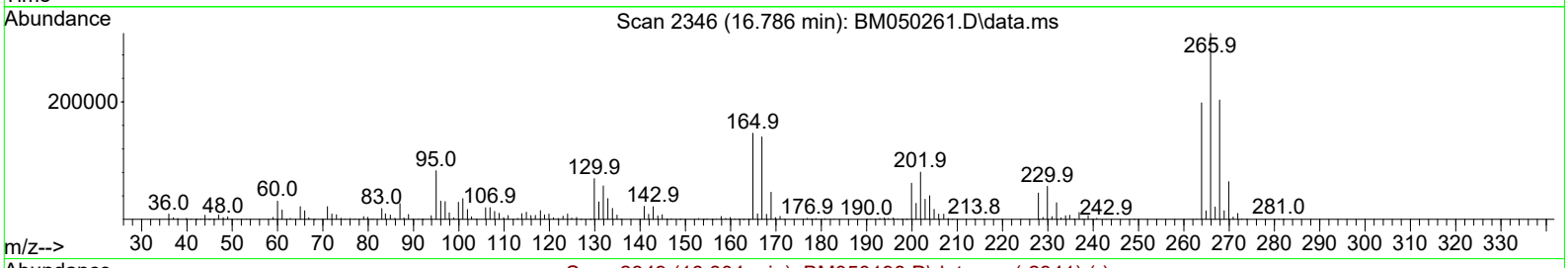
Sample Results: **BM050261.D**

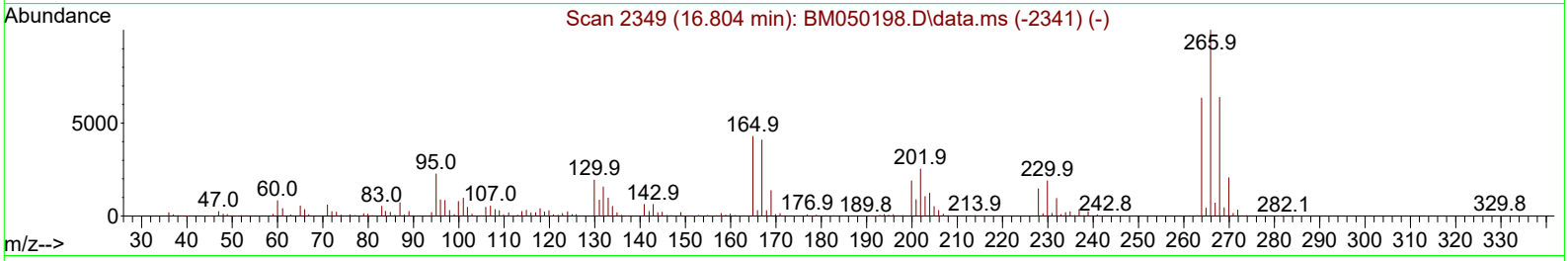
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050261.D
Acq On : 10 Jun 2025 04:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jun 10 05:34:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration







TIC: BM050261.D\data.ms

(70) Pentachlorophenol (C)

16.786min (-0.000) 158695.78 ng

response 460207

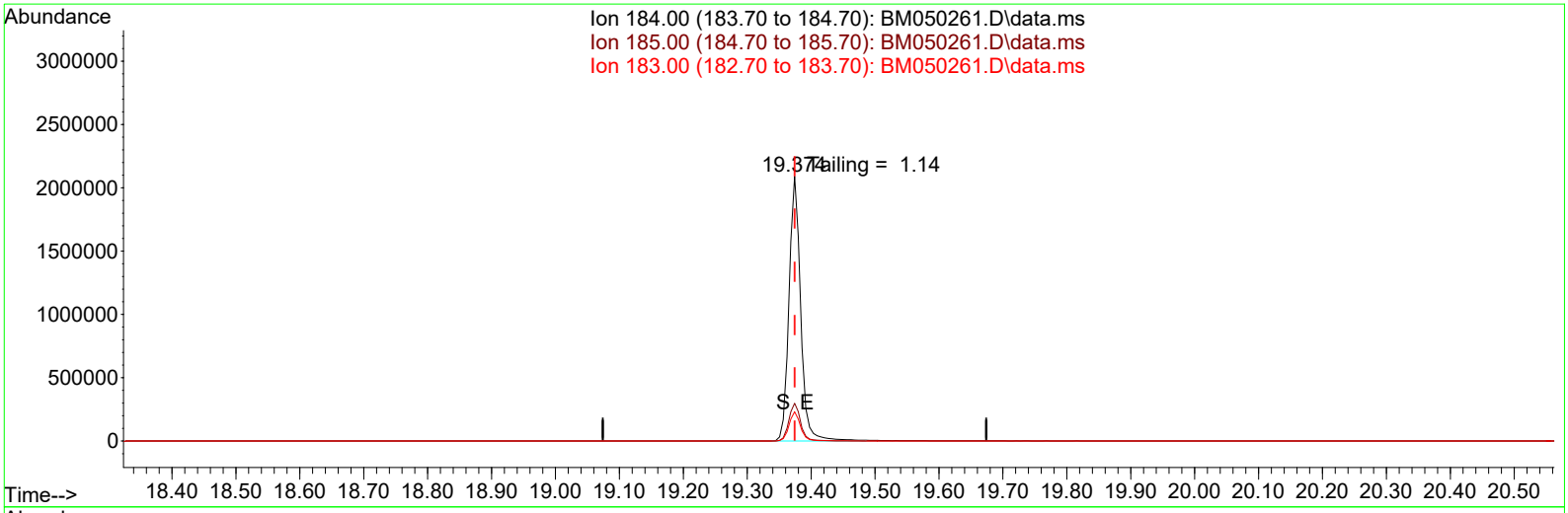
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.15
264.00	63.50	62.70
0.00	0.00	0.00

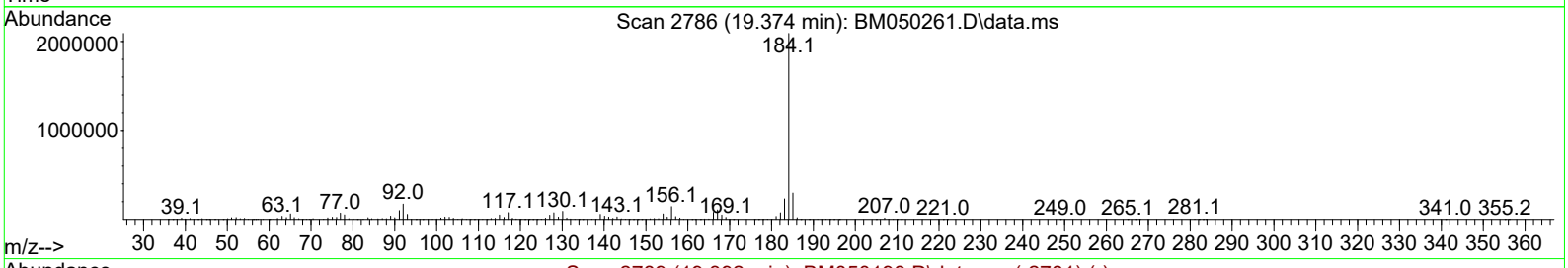
Sample Results: **BM050261.D**

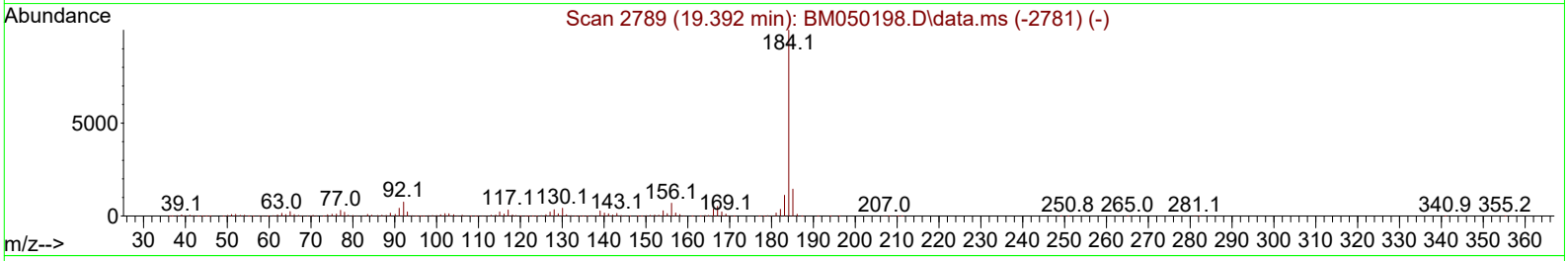
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050261.D
Acq On : 10 Jun 2025 04:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jun 10 05:34:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration







TIC: BM050261.D\data.ms

(77) Benzidine

19.374min (-0.000) 99825.69 ng

response 2680856

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.26
183.00	11.20	11.06
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_M	BM050261.D
Compound Name	**Response**	**Retention Time**
DDT	1335236	20.615
DDD	14959	20.233
DDE	1895	19.668
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16854	1352090	1.25

Instrument :
BNA_M
ClientSampleId :
DFTPP

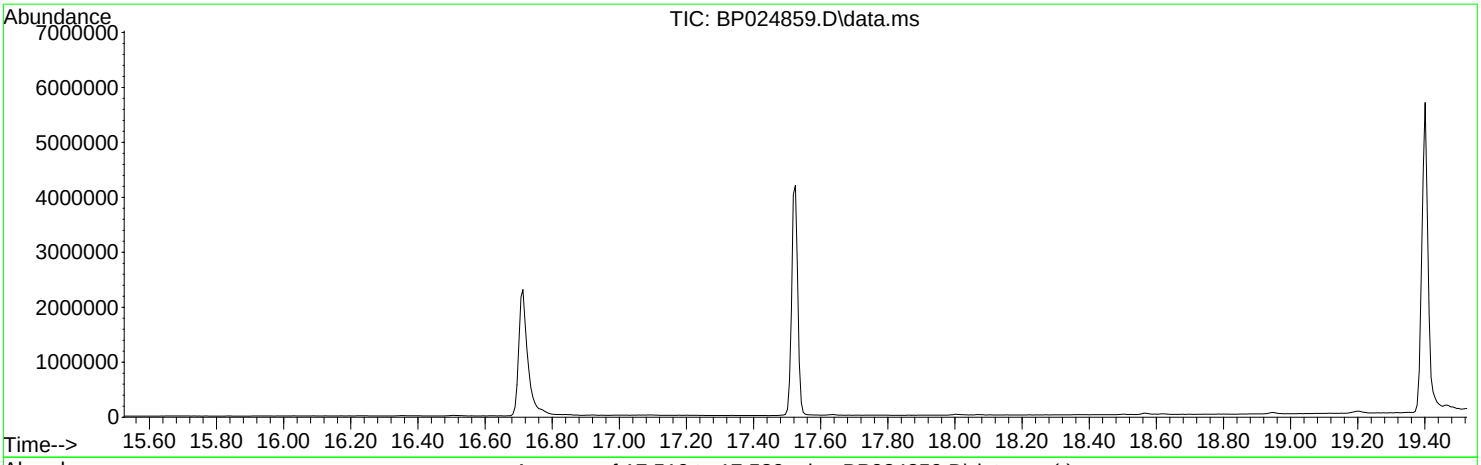
Sample Results: **BP024859.D**

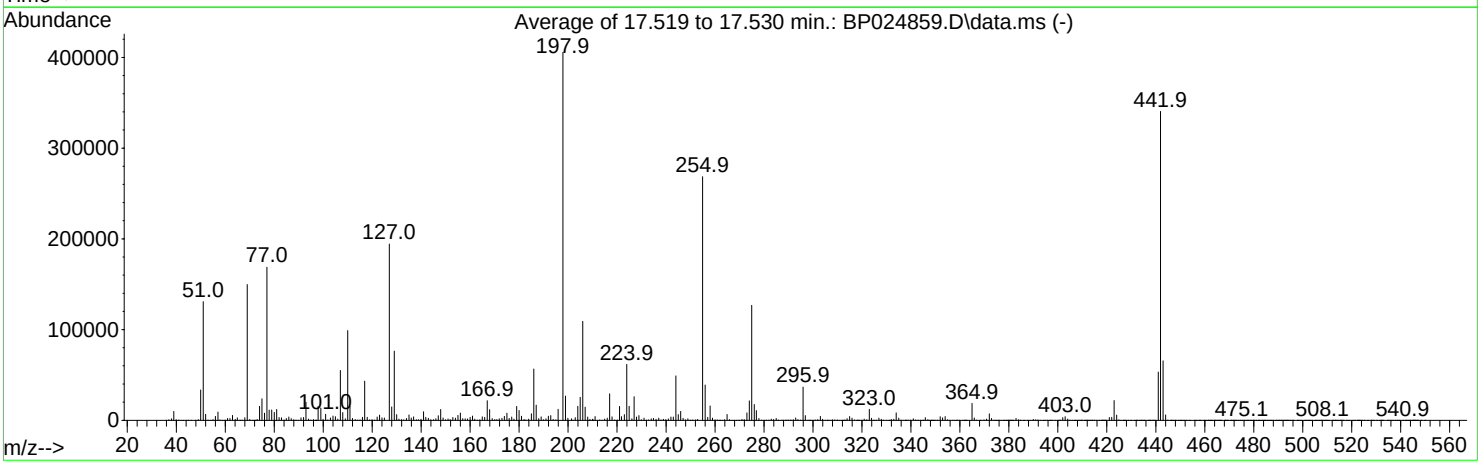
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025





AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2471

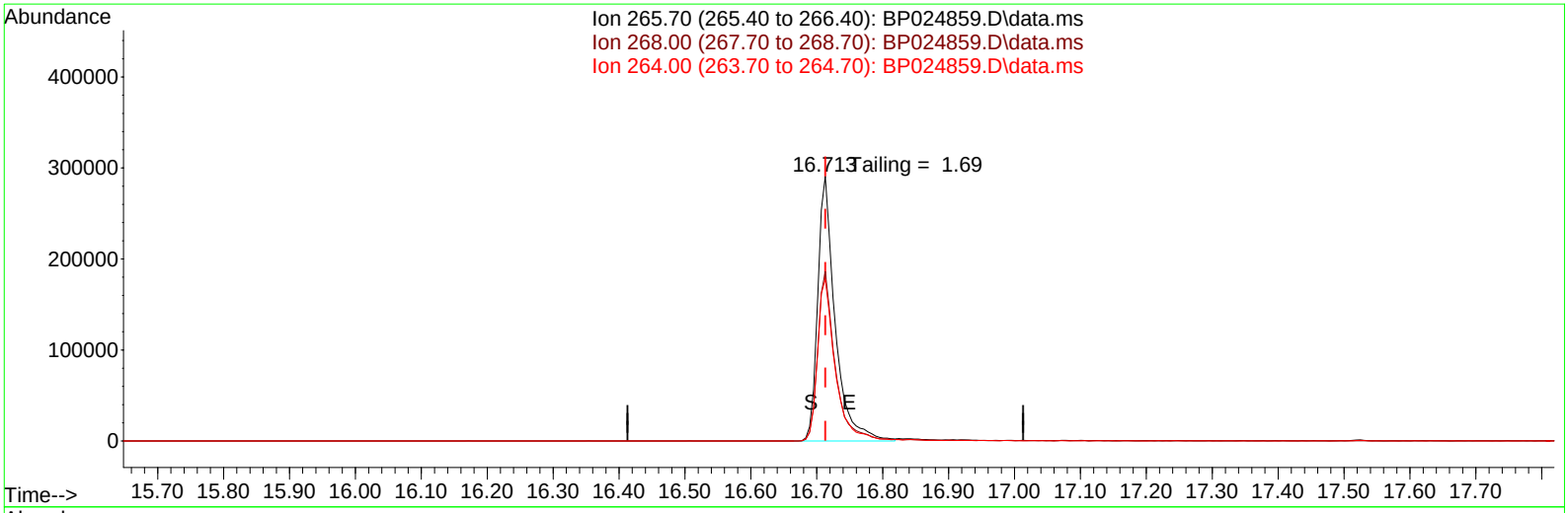
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.2	130762	PASS
68	69	0.00	2	1.9	2882	PASS
69	198	0.00	100	36.9	149759	PASS
70	69	0.00	2	0.6	956	PASS
127	198	10	80	47.9	194356	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	405520	PASS
199	198	5	9	6.6	26790	PASS
275	198	10	60	31.2	126715	PASS
365	198	1	100	4.6	18586	PASS
441	198	0.01	100	13.1	53196	PASS
442	442	100	100	100.0	340484	PASS
443	442	15	24	19.2	65481	PASS

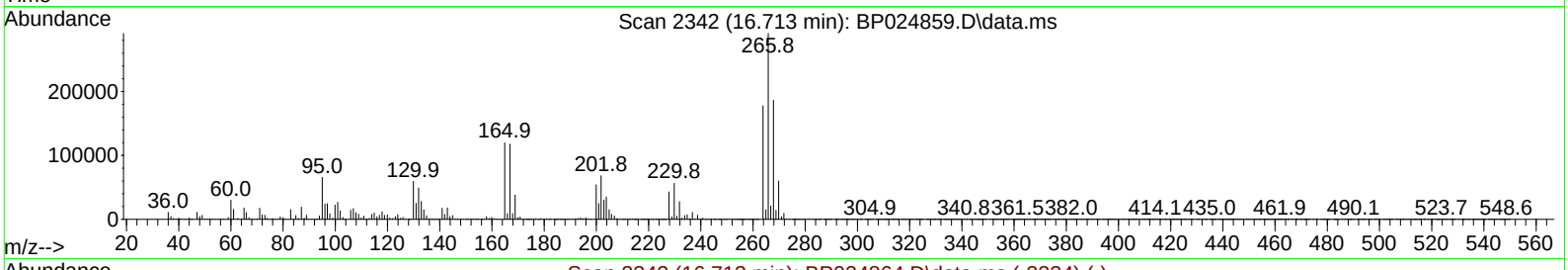
Sample Results: **BP024859.D**

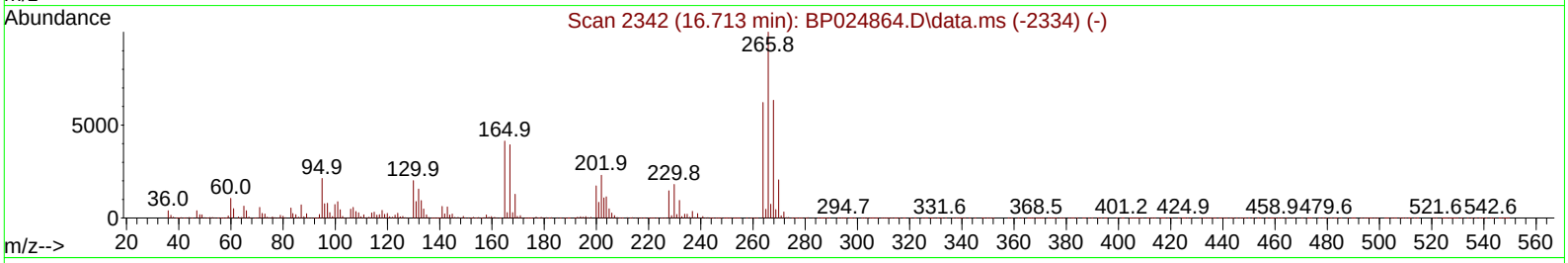
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 06 16:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024859.D\data.ms

(70) Pentachlorophenol (C)

16.713min (-0.000) 25022.31 ng

response 535499

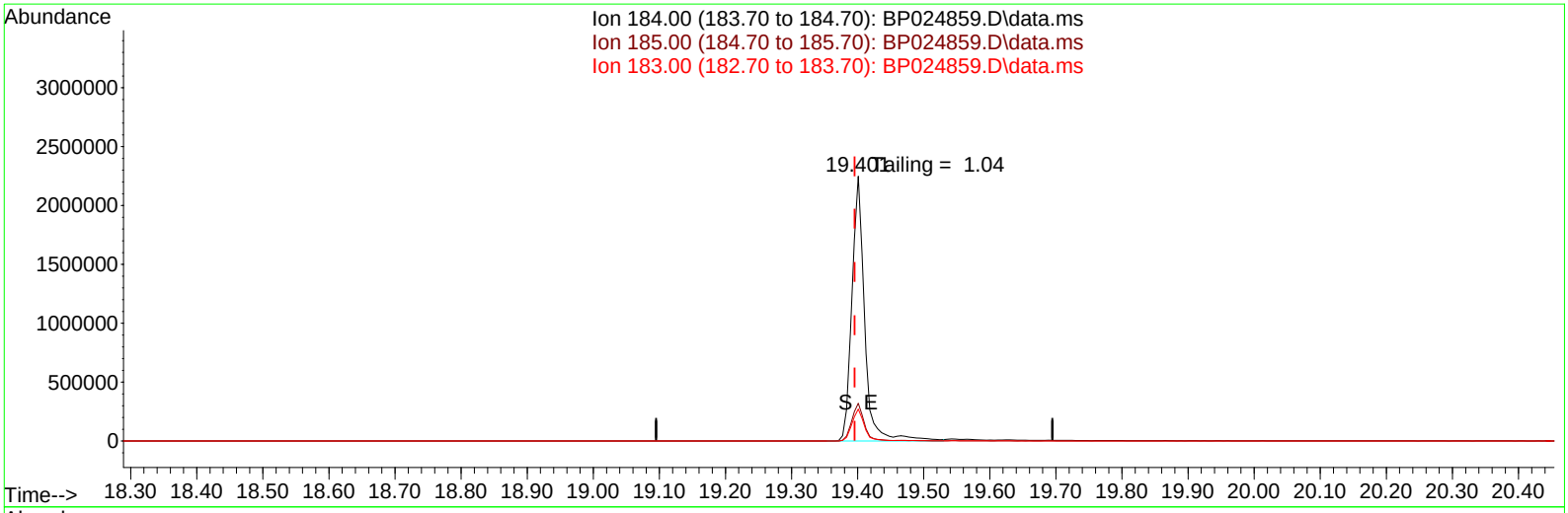
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	63.99
264.00	62.10	61.11
0.00	0.00	0.00

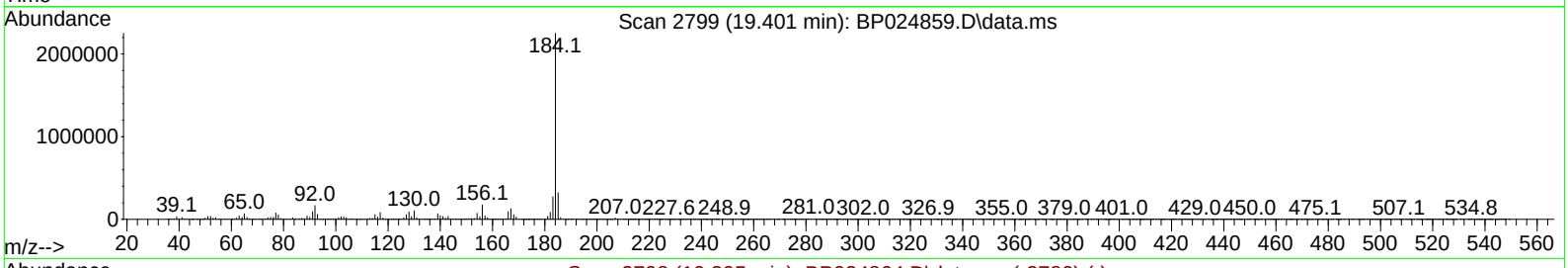
Sample Results: **BP024859.D**

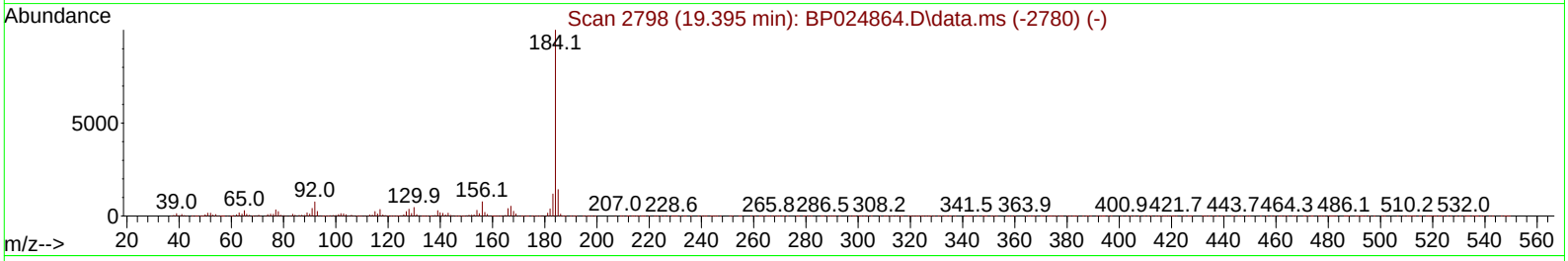
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 06 16:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024859.D\data.ms

(77) Benzidine

19.401min (+ 0.006) 4191.40 ng

response 2912892

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.27
183.00	11.90	12.06
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/6/2025	BNA_P	BP024859.D
Compound Name	**Response**	**Retention Time**
DDT	1572545	20.677
DDD	21912	20.26
DDE	1833	19.695
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23745	1596290	1.49

Instrument :
BNA_P
ClientSampleId :
DFTPP

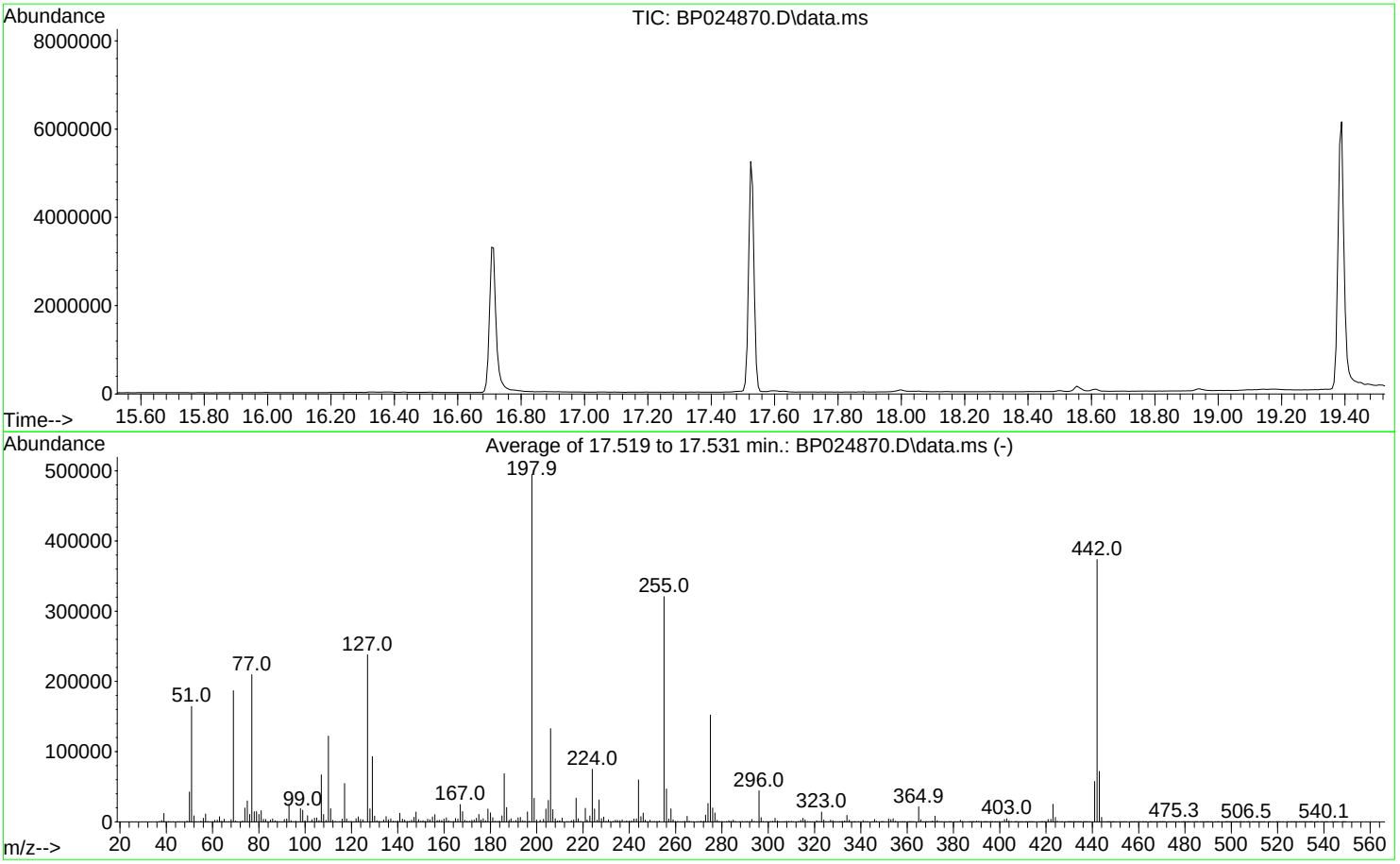
Sample Results: **BP024870.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025



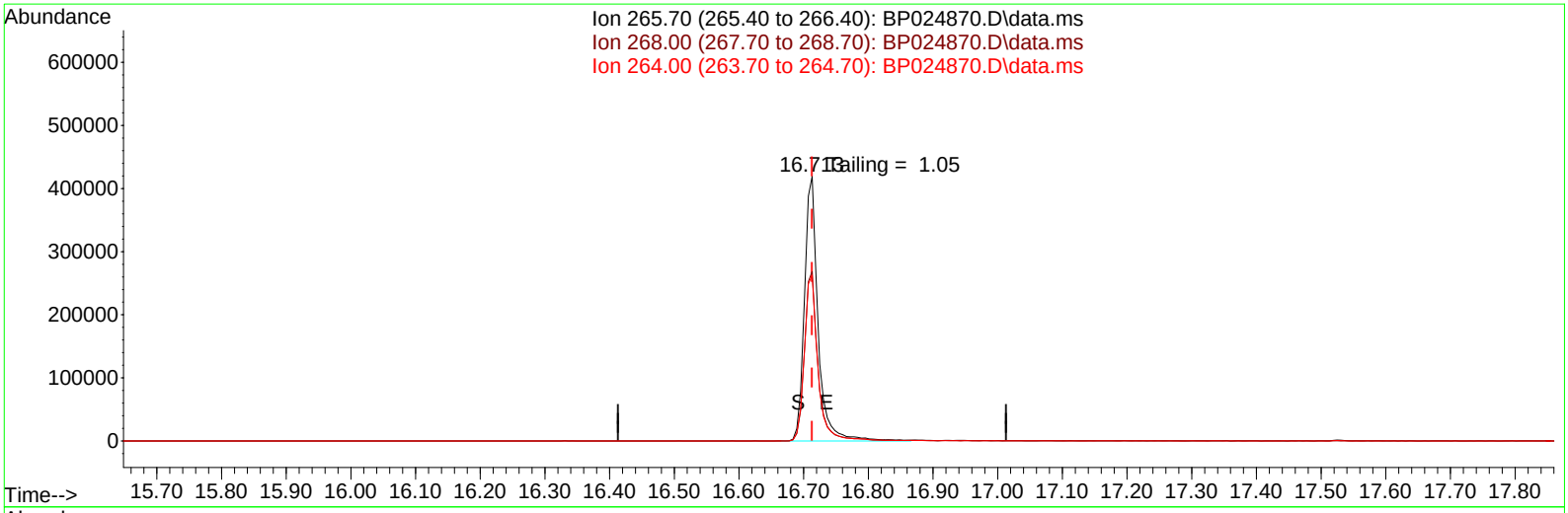
AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2469

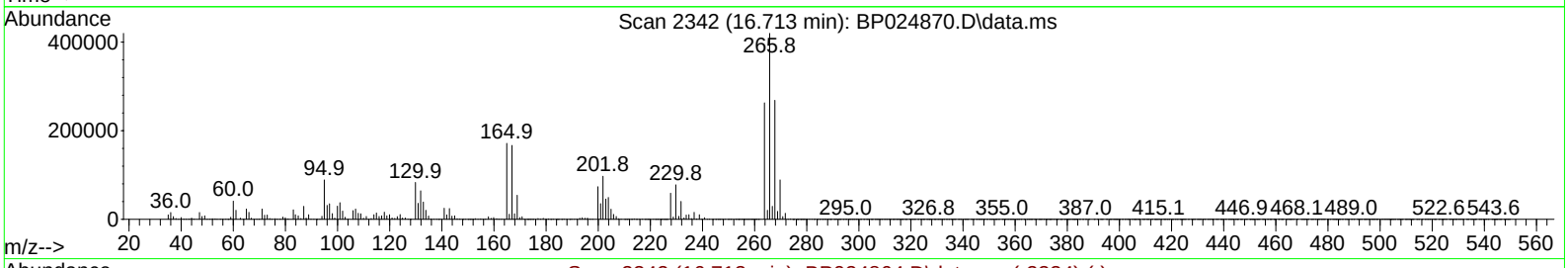
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.2	164298	PASS
68	69	0.00	2	1.7	3127	PASS
69	198	0.00	100	37.7	186800	PASS
70	69	0.00	2	0.6	1208	PASS
127	198	10	80	48.1	237925	PASS
197	198	0.00	2	0.1	705	PASS
198	198	100	100	100.0	494936	PASS
199	198	5	9	6.8	33502	PASS
275	198	10	60	30.7	152082	PASS
365	198	1	100	4.3	21354	PASS
441	198	0.01	100	11.6	57460	PASS
442	442	100	100	100.0	373547	PASS
443	442	15	24	19.2	71751	PASS

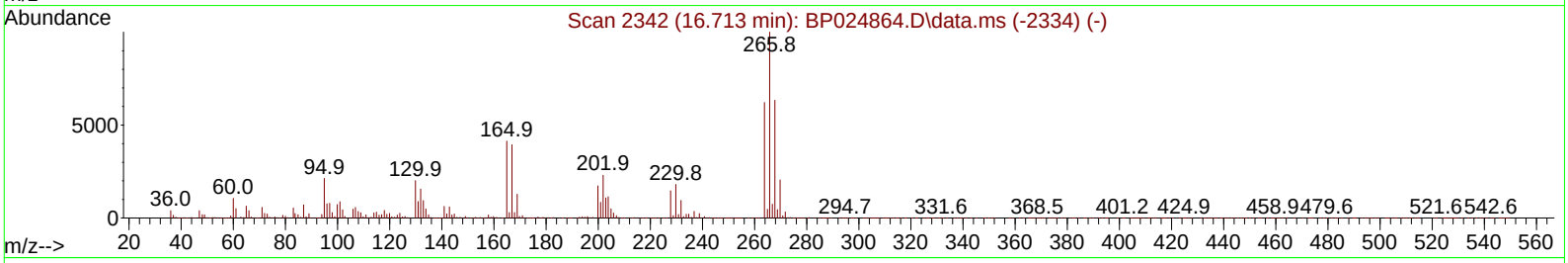
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 09 10:53:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024870.D\data.ms

(70) Pentachlorophenol (C)

16.713min (-0.000) 92926.84 ng

response 615758

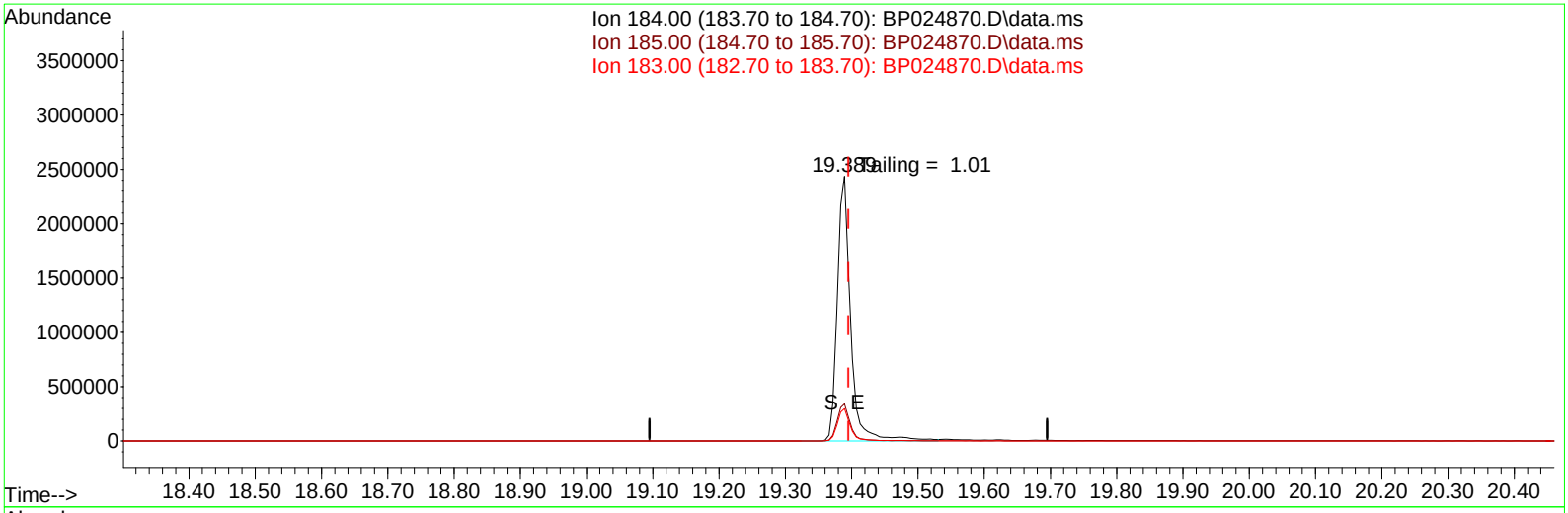
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	64.02
264.00	62.10	62.65
0.00	0.00	0.00

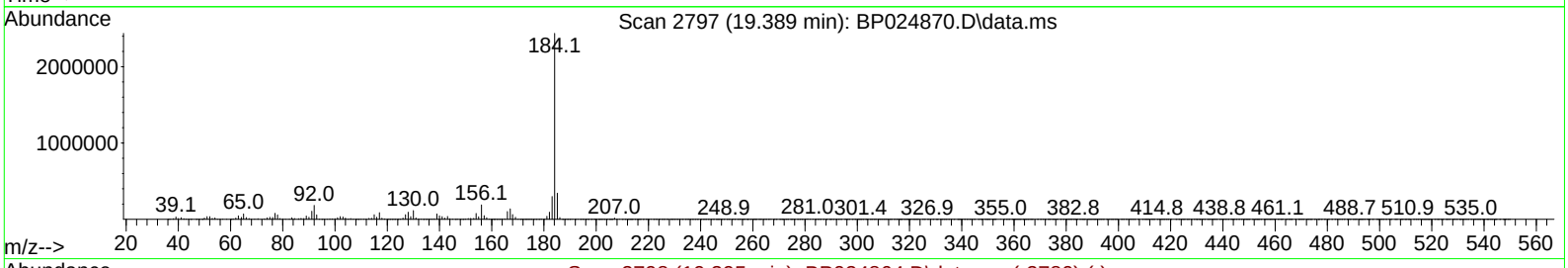
Sample Results: **BP024870.D**

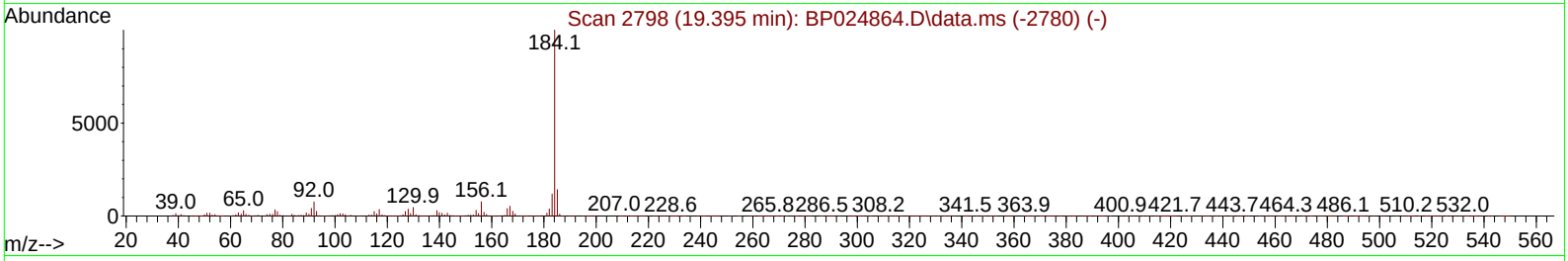
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 09 10:53:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024870.D\data.ms

(77) Benzidine

19.389min (-0.006) 1294.06 ng

response 3322112

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.01
183.00	11.90	12.23
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_P	BP024870.D
Compound Name	**Response**	**Retention Time**
DDT	1823097	20.672
DDD	22597	20.26
DDE	2048	19.689
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24645	1847742	1.33

Instrument :
BNA_P
ClientSampleId :
DFTPP

Raw Data: **BP024872.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Raw Data: **BP024872.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

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

Raw Data: **BP024872.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		23 - 138	97%	SPK: 150
13127-88-3	Phenol-d6	137		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.2		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		42 - 152	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.608			
1146-65-2	Naphthalene-d8	1080000	10.378			
15067-26-2	Acenaphthene-d10	656000	14.248			
1517-22-2	Phenanthrene-d10	1270000	17.066			
1719-03-5	Chrysene-d12	1280000	21.489			
1520-96-3	Perylene-d12	1470000	24.73			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.90	A		4.78	ug/L

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BP024872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Time: Jun 09 12:31:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

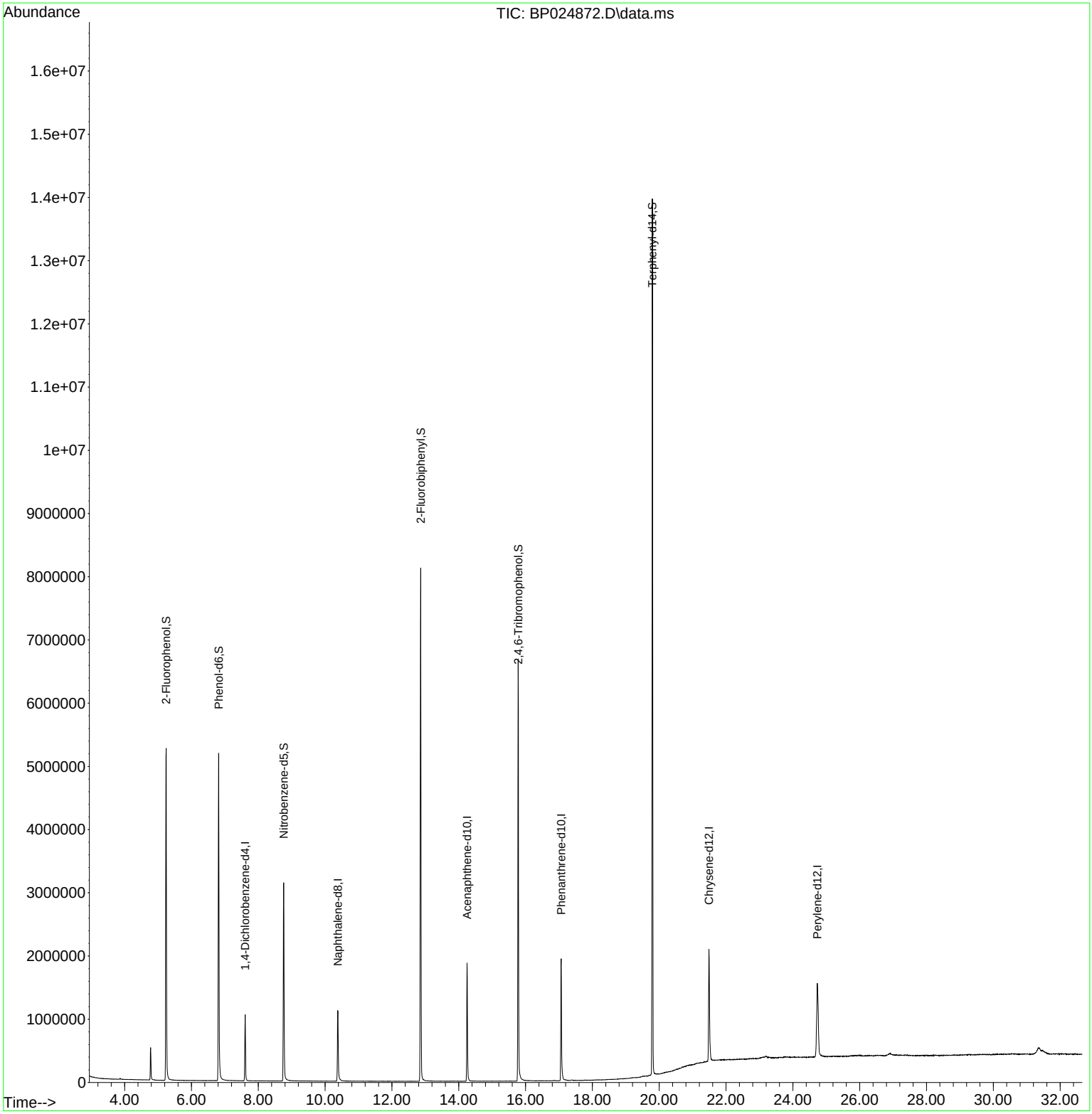
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	278652	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1083873	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	655689	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1268484	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1277128	20.000	ng	0.00
86) Perylene-d12	24.730	264	1472674	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	2436717	145.966	ng	0.00
7) Phenol-d6	6.814	99	3036491	137.475	ng	0.00
23) Nitrobenzene-d5	8.760	82	1900527	85.206	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1295397	142.897	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4102972	84.296	ng	0.00
79) Terphenyl-d14	19.795	244	6423595	90.145	ng	0.00
Target Compounds						Qvalue

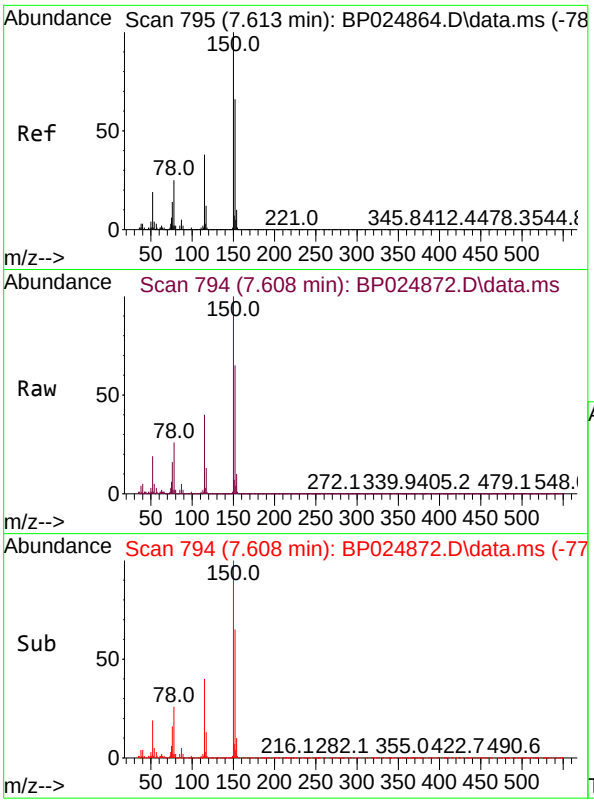
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Time: Jun 09 12:31:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



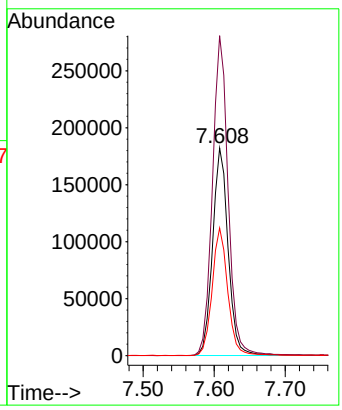


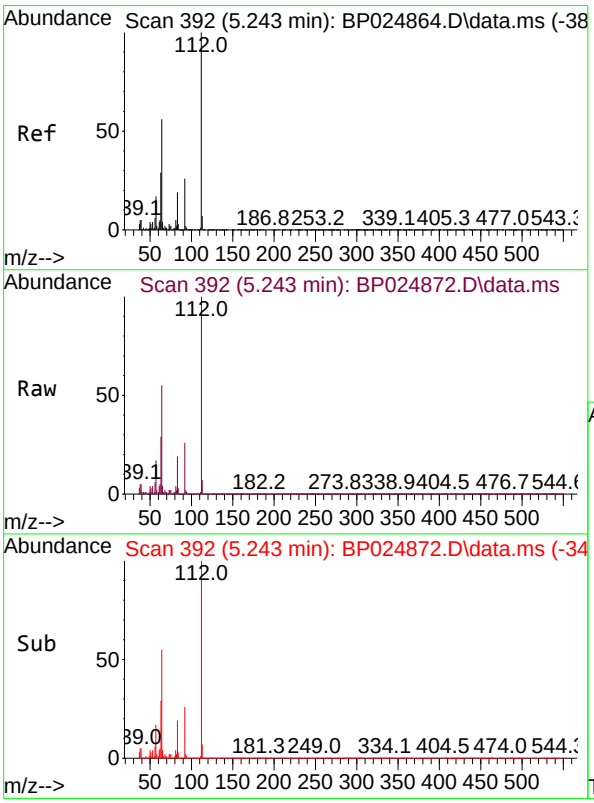
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:152 Resp: 278652

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.1	183.1
115	61.5	46.4	69.6

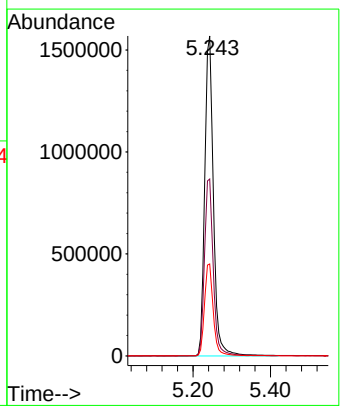


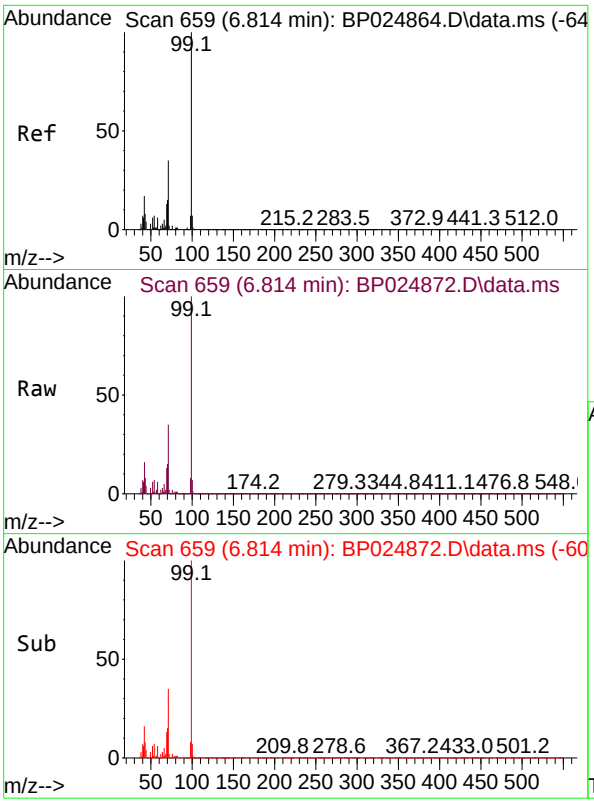


#5
2-Fluorophenol
Concen: 145.966 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:112 Resp: 2436717

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	28.7	23.5	35.3



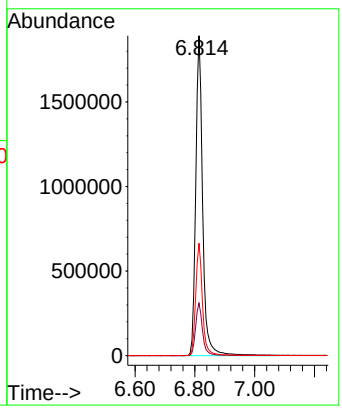


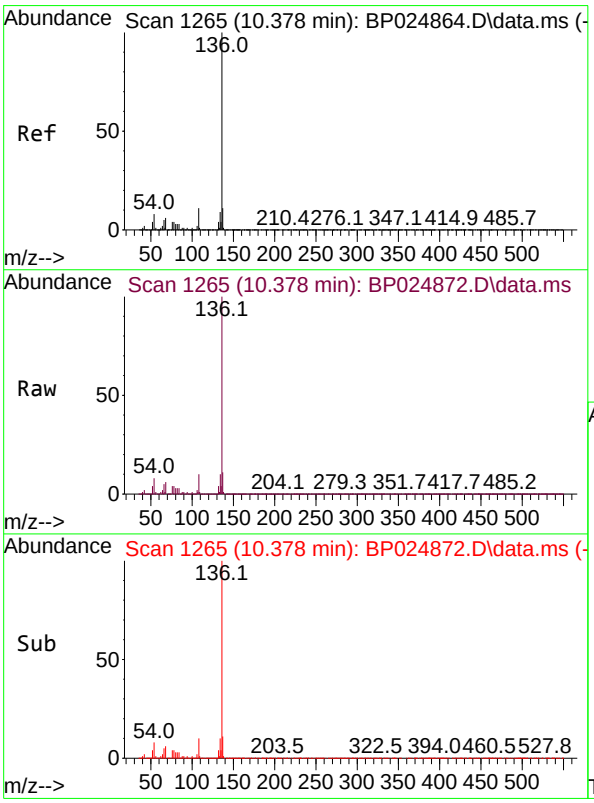
#7
Phenol-d6
Concen: 137.475 ng
RT: 6.814 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion: 99 Resp: 3036491

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	35.1	27.6	41.4

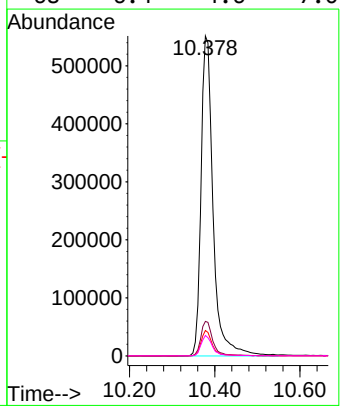


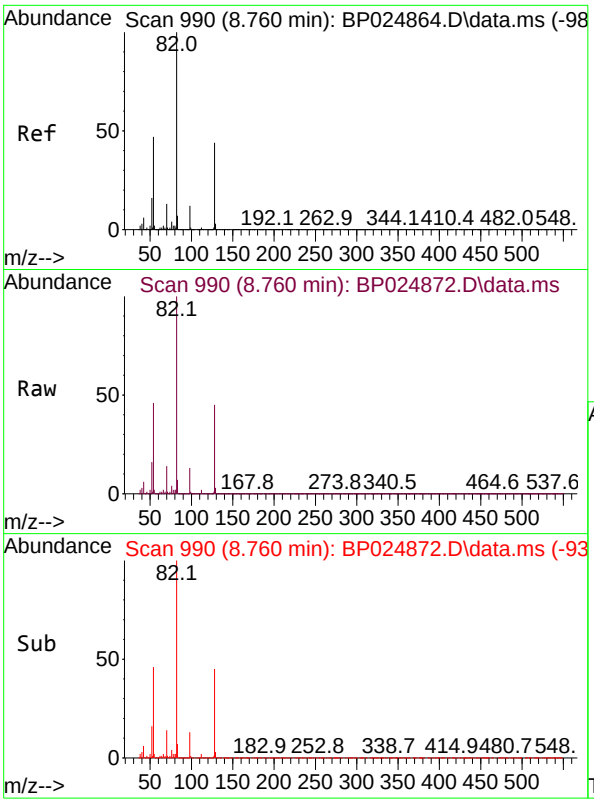


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:136 Resp: 1083873

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.9	6.1	9.1
68	6.4	4.6	7.0



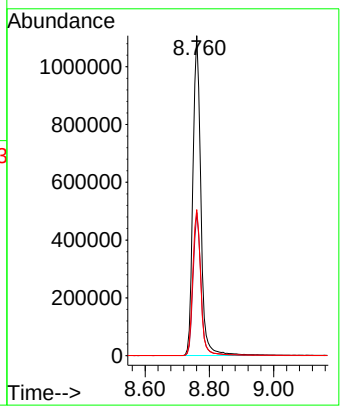


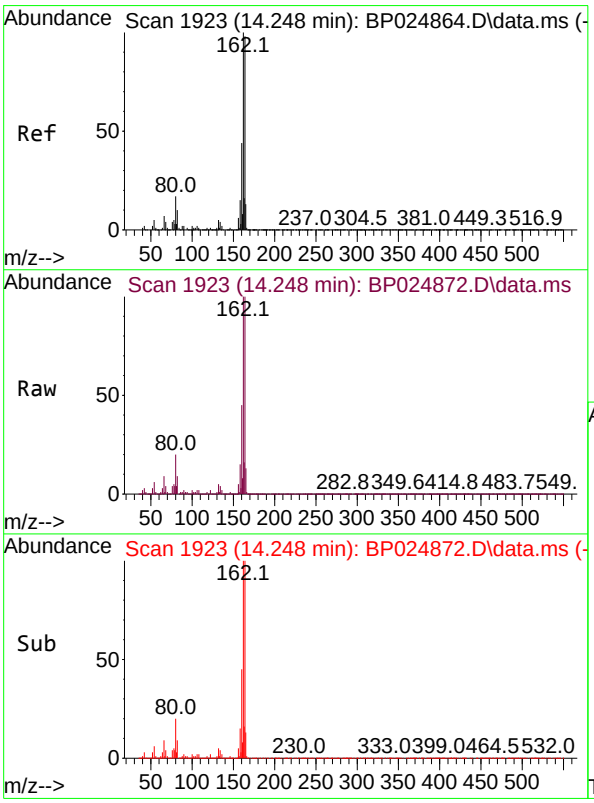
#23
Nitrobenzene-d5
Concen: 85.206 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion: 82 Resp: 1900527

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.3	52.9
54	45.6	37.4	56.0

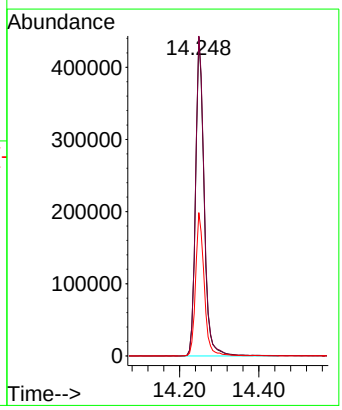


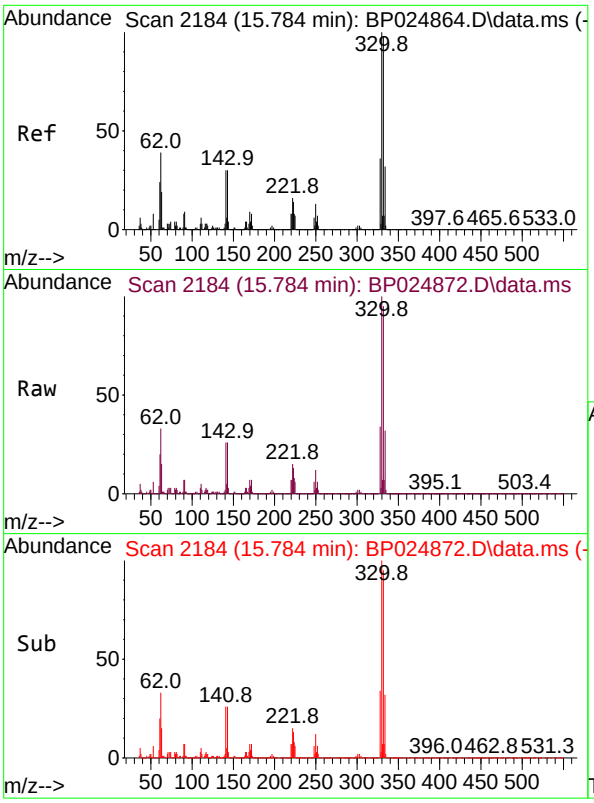


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:164 Resp: 655689

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	44.9	36.2	54.2



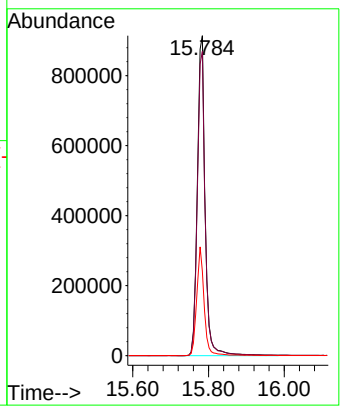


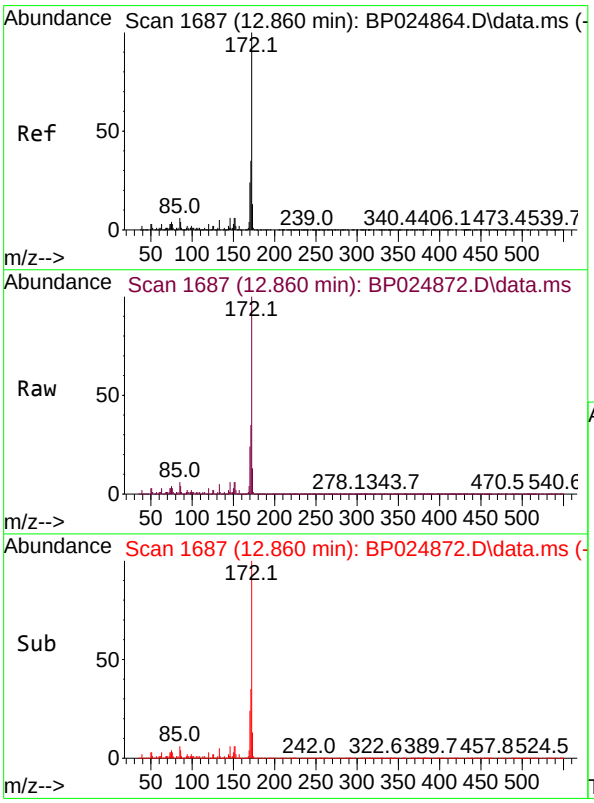
#42
2,4,6-Tribromophenol
Concen: 142.897 ng
RT: 15.784 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:330 Resp: 1295397

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.7	116.5
141	32.3	26.4	39.6

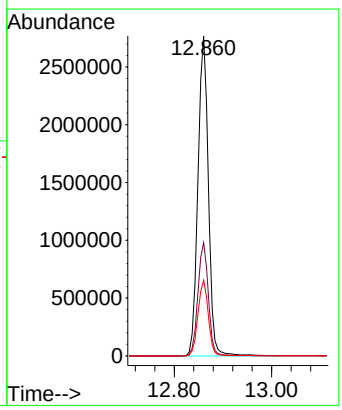


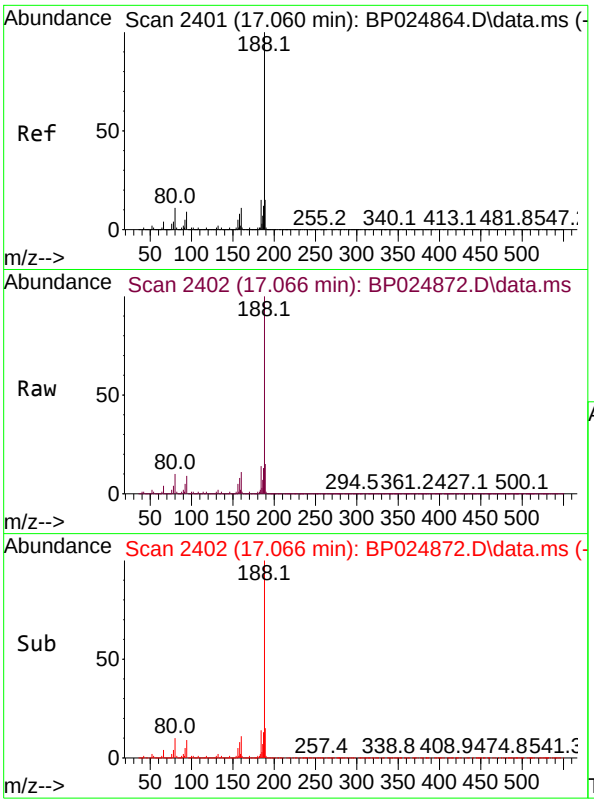


#45
2-Fluorobiphenyl
Concen: 84.296 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:172 Resp: 4102972

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.6	19.0	28.4



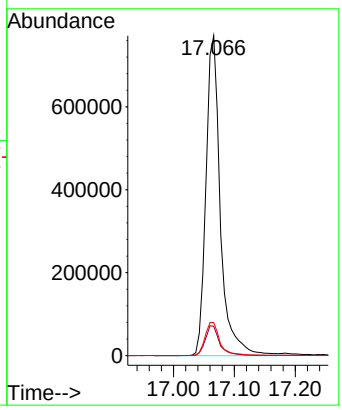


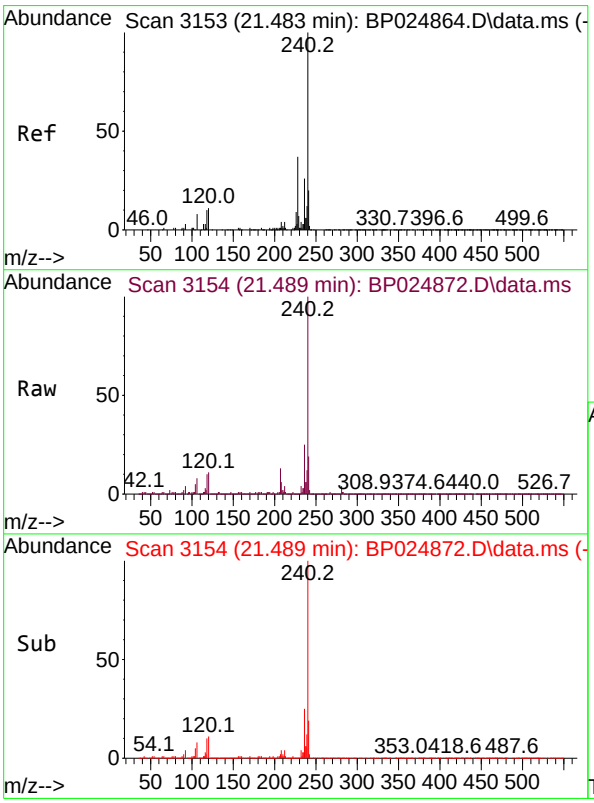
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:188 Resp: 1268484

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.3	8.5	12.7

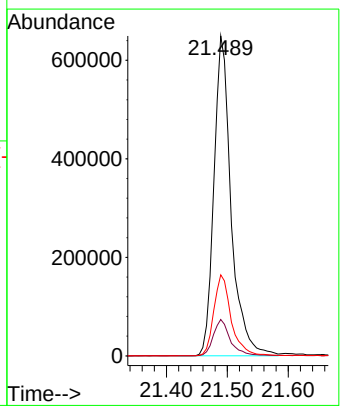


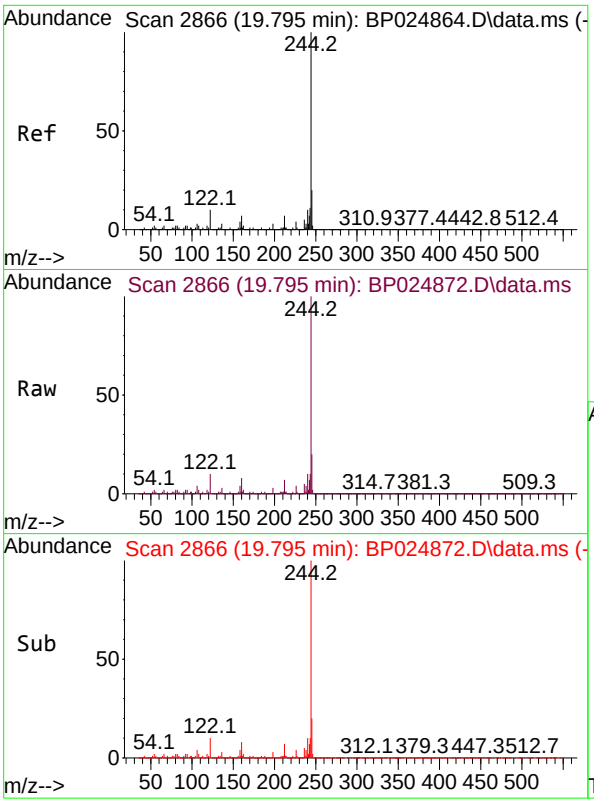


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:240 Resp: 1277128

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	25.3	20.9	31.3



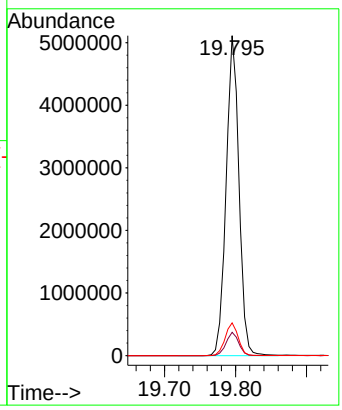


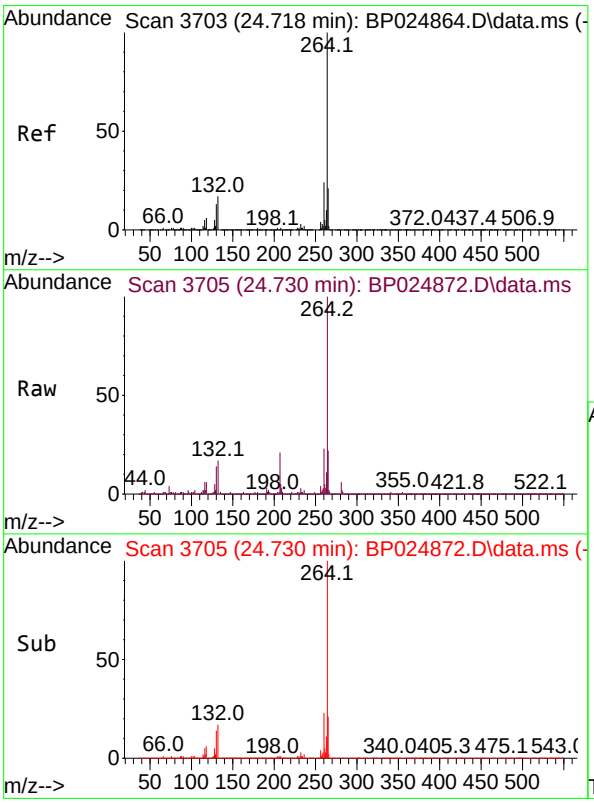
#79
Terphenyl-d14
Concen: 90.145 ng
RT: 19.795 min Scan# 28
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:244 Resp: 6423595

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.2	7.7	11.5

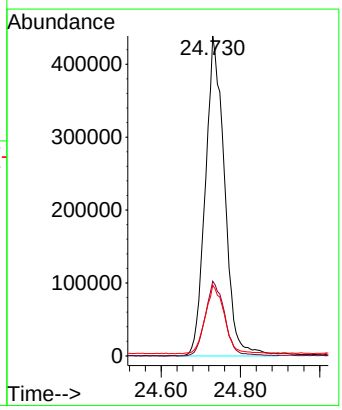




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:264 Resp: 1472674

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.1	17.4	26.0



Sample Results: **BP024872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

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_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024872.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.778	308	313	326	rBV	510577	718345	4.10%	0.915%
2	5.243	385	392	419	rBV	5252634	8227174	46.92%	10.484%
3	6.814	652	659	680	rBV	5181034	8289401	47.27%	10.563%
4	7.608	787	794	814	rBV	1050014	1608526	9.17%	2.050%
5	8.760	980	990	1017	rBV	3138266	5402410	30.81%	6.884%
6	10.378	1258	1265	1287	rBV	1117329	2188080	12.48%	2.788%
7	12.860	1680	1687	1700	rBV	8116404	11956272	68.18%	15.236%
8	14.248	1915	1923	1940	rBV	1870333	2816175	16.06%	3.589%
9	15.778	2175	2183	2203	rBV	6677976	9467932	53.99%	12.065%
10	17.066	2395	2402	2418	rBV2	1929882	3204288	18.27%	4.083%
11	19.795	2859	2866	2877	rBV	13858273	17536338	100.00%	22.347%
12	21.489	3148	3154	3165	rBV2	1767894	3429892	19.56%	4.371%
13	24.730	3697	3705	3722	rVB	1140049	3628218	20.69%	4.624%

Sum of corrected areas: 78473051

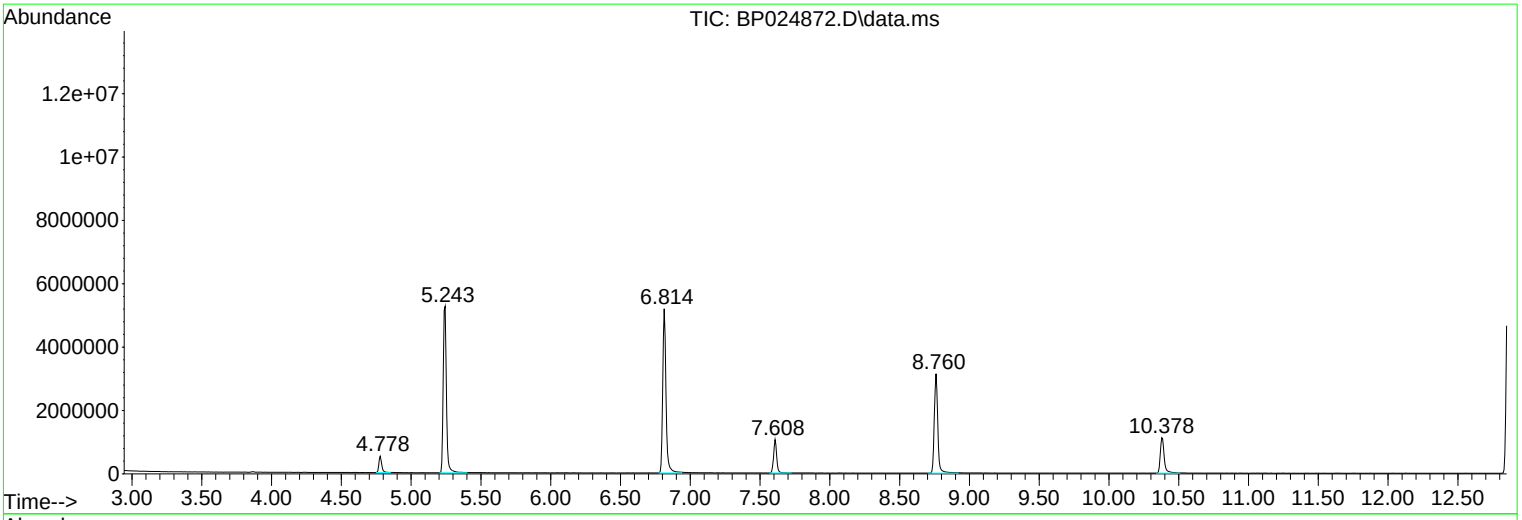
Sample Results: **BP024872.D**

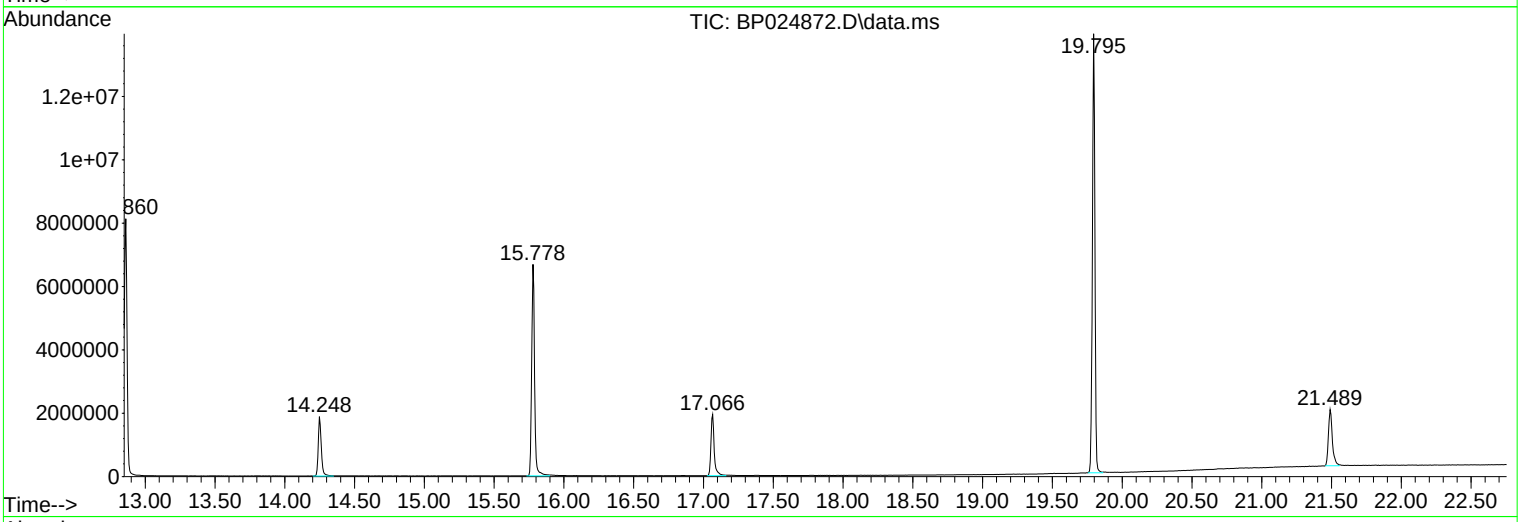
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

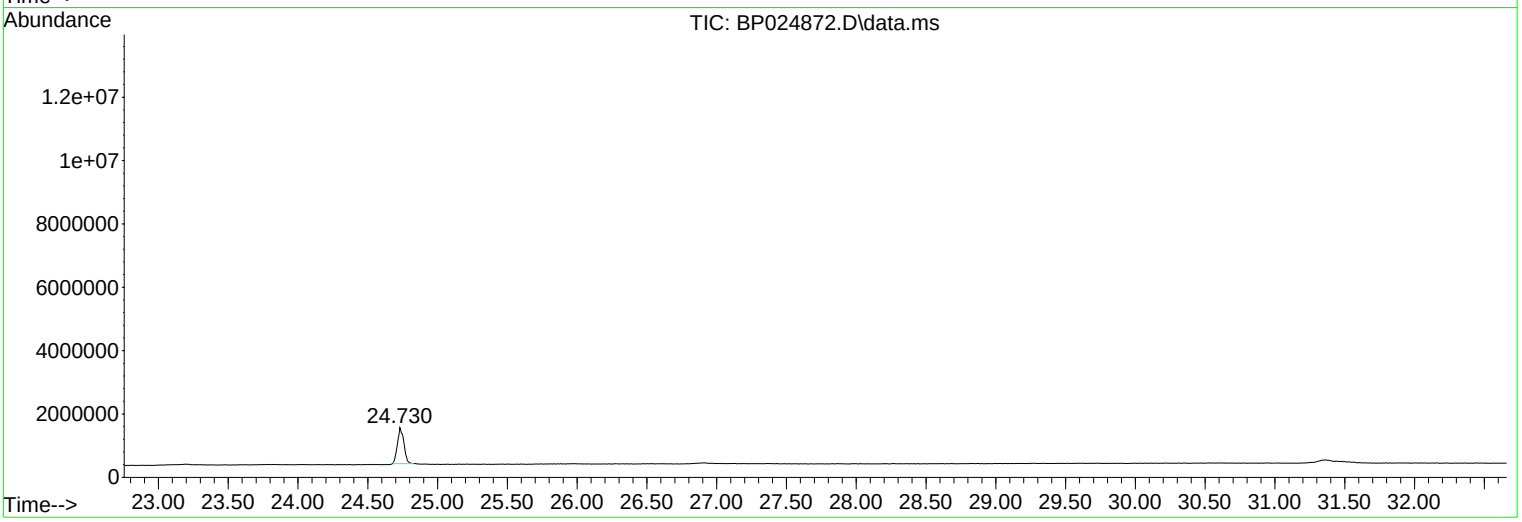
Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

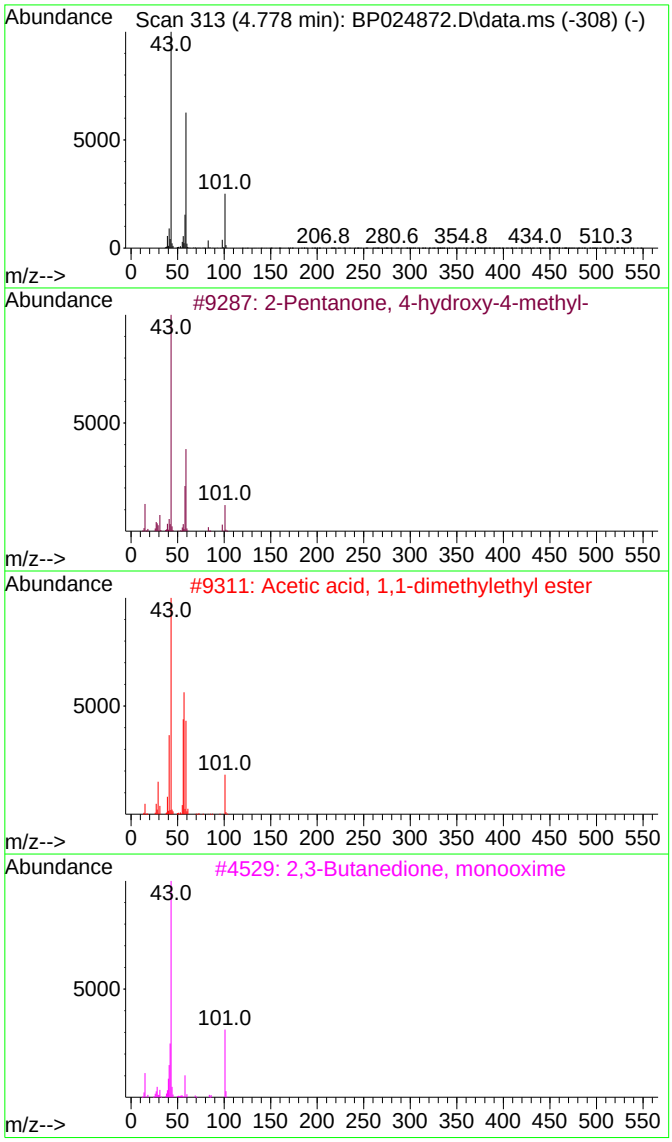
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

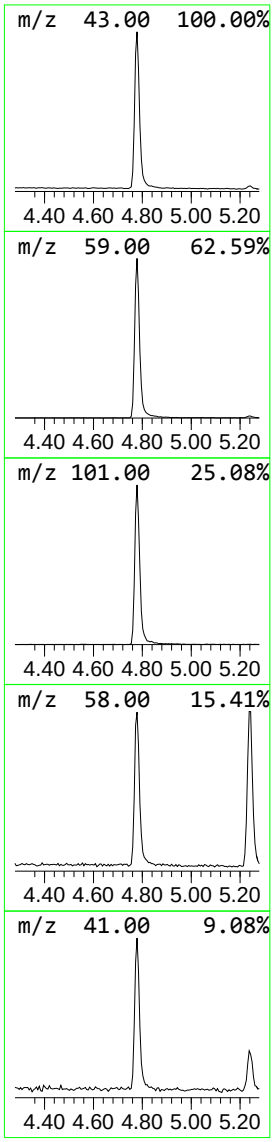
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.778	8.93 ng	718345	1,4-Dichlorobenzene-d4	7.608

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Sample Results: **BP024872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.778	8.9	ng	718345	1	7.608	1608530	20.0

Raw Data: **BP024873.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.0		3.90	10.0	ug/L
108-95-2	Phenol	49.0		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	48.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.1		1.30	5.00	ug/L
98-86-2	Acetophenone	45.2		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.9		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.3		0.76	5.00	ug/L
78-59-1	Isophorone	43.2		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.3		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	48.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.3		0.52	5.00	ug/L
91-20-3	Naphthalene	45.3		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	20.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.9		0.54	5.00	ug/L
105-60-2	Caprolactam	45.7		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.0		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	48.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	5.00	ug/L

Raw Data: **BP024873.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	90.6	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	91.4	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.0		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.68	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.1		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	46.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.8		0.50	5.00	ug/L
120-12-7	Anthracene	46.0		0.61	5.00	ug/L
86-74-8	Carbazole	47.4		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.9		0.82	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.45	5.00	ug/L
218-01-9	Chrysene	46.4		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.3		0.49	5.00	ug/L

Raw Data: **BP024873.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.2		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		23 - 138	95%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 134	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.4		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.608			
1146-65-2	Naphthalene-d8	1020000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1190000	17.06			
1719-03-5	Chrysene-d12	1270000	21.483			
1520-96-3	Perylene-d12	1550000	24.724			

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_P\Data\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	251786	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1016039	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	628283	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1189376	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1268867	20.000	ng	0.00
86) Perylene-d12	24.724	264	1547954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	2150315	142.554	ng	0.00
7) Phenol-d6	6.819	99	2717026	136.137	ng	0.00
23) Nitrobenzene-d5	8.760	82	1661117	79.445	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1140597	131.309	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3633814	77.914	ng	0.00
79) Terphenyl-d14	19.777	244	5609281	79.230	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.172	88	239942	36.151	ng	97
3) Pyridine	3.567	79	632702	39.638	ng	99
4) n-Nitrosodimethylamine	3.478	42	294319	45.102	ng	100
6) Aniline	6.955	93	816918	32.074	ng	100
8) 2-Chlorophenol	7.190	128	832660	48.694	ng	98
9) Benzaldehyde	6.766	77	414614	36.042	ng	98
10) Phenol	6.843	94	1008585	49.021	ng	99
11) bis(2-Chloroethyl)ether	7.043	93	726397	44.889	ng	97
12) 1,3-Dichlorobenzene	7.502	146	833695	43.703	ng	99
13) 1,4-Dichlorobenzene	7.649	146	840877	43.687	ng	99
14) 1,2-Dichlorobenzene	7.955	146	821435	43.460	ng	99
15) Benzyl Alcohol	7.860	79	691313	45.133	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	912010	43.060	ng	100
17) 2-Methylphenol	8.072	107	681305	47.420	ng	99
18) Hexachloroethane	8.666	117	317537	43.819	ng	97
19) n-Nitroso-di-n-propyla...	8.413	70	568500	41.901	ng	99
20) 3+4-Methylphenols	8.396	107	915040	46.681	ng	96
22) Acetophenone	8.431	105	1160850	45.221	ng	98
24) Nitrobenzene	8.802	77	859288	46.259	ng	100
25) Isophorone	9.325	82	1564267	43.167	ng	100
26) 2-Nitrophenol	9.507	139	433908	47.343	ng	100
27) 2,4-Dimethylphenol	9.578	122	754390	48.094	ng	99
28) bis(2-Chloroethoxy)met...	9.796	93	977653	45.227	ng	99
29) 2,4-Dichlorophenol	10.054	162	741425	49.263	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	756797	44.582	ng	100
31) Naphthalene	10.431	128	2358732	45.301	ng	99
32) Benzoic acid	9.766	122	501882	47.349	ng	99
33) 4-Chloroaniline	10.554	127	443141	20.314	ng	99
34) Hexachlorobutadiene	10.707	225	459112	44.873	ng	99
35) Caprolactam	11.349	113	252952	45.658	ng	92
36) 4-Chloro-3-methylphenol	11.696	107	820968	47.292	ng	100
37) 2-Methylnaphthalene	12.048	142	1487861	45.048	ng	99
38) 1-Methylnaphthalene	12.266	142	1560851	44.203	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	822077	46.112	ng	99
41) Hexachlorocyclopentadiene	12.390	237	1097762	100.954	ng	99
43) 2,4,6-Trichlorophenol	12.678	196	577250	48.214	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

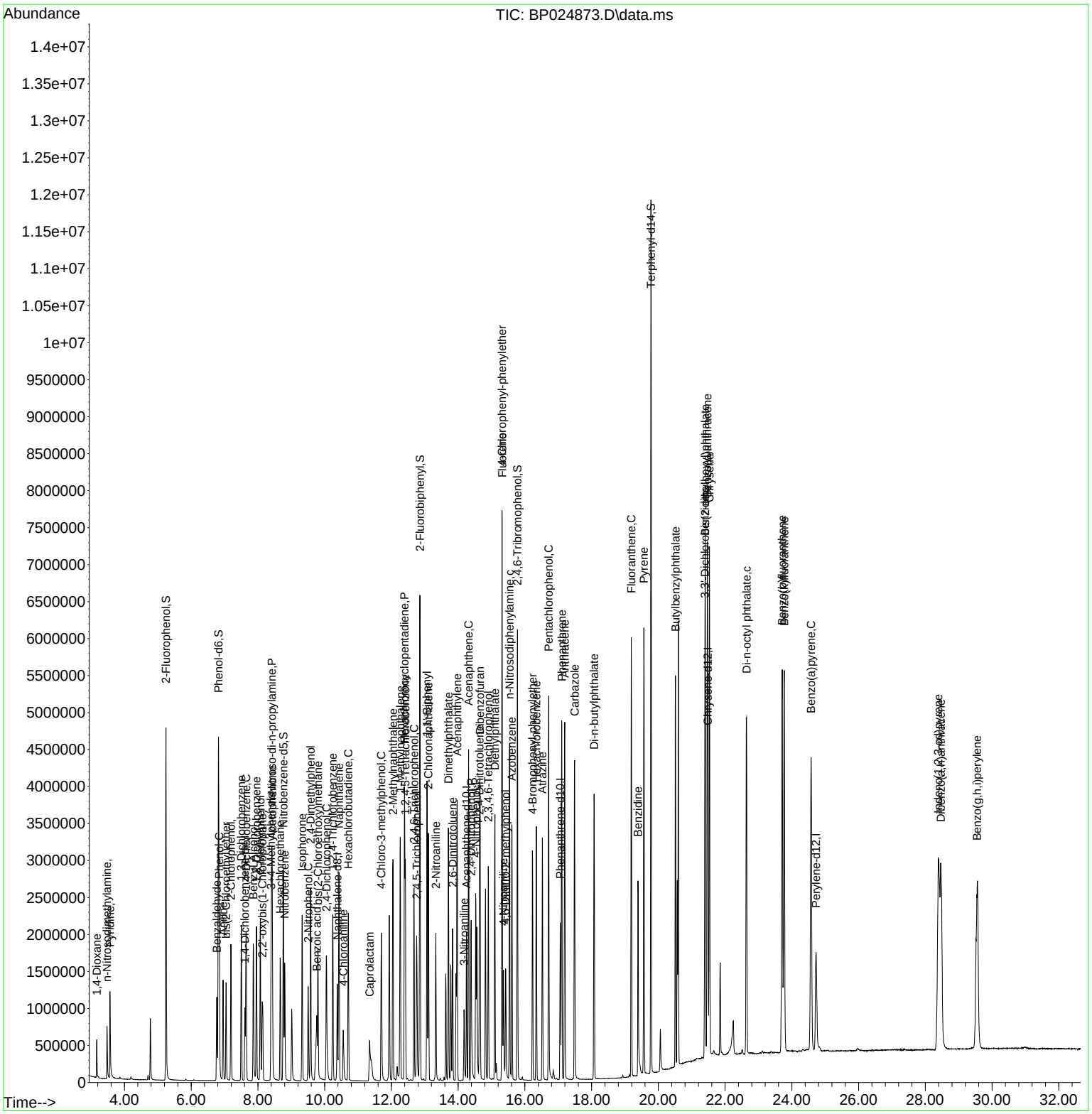
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	635990	49.602	ng		98
46) 1,1'-Biphenyl	13.066	154	2093200	45.844	ng		100
47) 2-Chloronaphthalene	13.107	162	1620819	46.187	ng		99
48) 2-Nitroaniline	13.331	65	521042	48.295	ng		99
49) Acenaphthylene	13.972	152	2661012	45.478	ng		100
50) Dimethylphthalate	13.707	163	2077480	44.824	ng		100
51) 2,6-Dinitrotoluene	13.837	165	461134	46.153	ng		100
52) Acenaphthene	14.313	154	1516438	45.227	ng		99
53) 3-Nitroaniline	14.178	138	268082	25.855	ng		92
54) 2,4-Dinitrophenol	14.390	184	594890	90.641	ng		98
55) Dibenzofuran	14.654	168	2381540	44.250	ng		97
56) 4-Nitrophenol	14.531	139	809101	91.350	ng		97
57) 2,4-Dinitrotoluene	14.637	165	656655	46.983	ng		97
58) Fluorene	15.319	166	1942620	44.681	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.901	232	537424	46.912	ng		100
60) Diethylphthalate	15.101	149	2045901	44.293	ng		99
61) 4-Chlorophenyl-phenyle...	15.313	204	938236	44.135	ng		99
62) 4-Nitroaniline	15.360	138	424134	45.113	ng		98
63) Azobenzene	15.607	77	1915956	45.227	ng		99
65) 4,6-Dinitro-2-methylph...	15.425	198	378653	48.450	ng		94
66) n-Nitrosodiphenylamine	15.542	169	1726506	46.833	ng		99
67) 4-Bromophenyl-phenylether	16.231	248	614107	45.760	ng		98
68) Hexachlorobenzene	16.342	284	742281	45.626	ng		100
69) Atrazine	16.525	200	624545	46.732	ng		99
70) Pentachlorophenol	16.713	266	905521	107.544	ng		99
71) Phenanthrene	17.107	178	3008256	45.769	ng		99
72) Anthracene	17.195	178	3062015	46.000	ng		100
73) Carbazole	17.489	167	2922226	47.362	ng		99
74) Di-n-butylphthalate	18.072	149	3522628	46.080	ng		100
75) Fluoranthene	19.189	202	3495628	45.886	ng		100
77) Benzidine	19.389	184	1601949	40.763	ng		100
78) Pyrene	19.566	202	3666214	46.249	ng		100
80) Butylbenzylphthalate	20.513	149	1686399	46.444	ng		98
81) Benzo(a)anthracene	21.472	228	3780920	46.589	ng		99
82) 3,3'-Dichlorobenzidine	21.395	252	850267	26.391	ng		97
83) Chrysene	21.530	228	3570095	46.428	ng		100
84) Bis(2-ethylhexyl)phtha...	21.407	149	2473280	47.541	ng		99
85) Di-n-octyl phthalate	22.642	149	4412263	48.117	ng		100
87) Indeno(1,2,3-cd)pyrene	28.389	276	5348458	47.356	ng	#	93
88) Benzo(b)fluoranthene	23.713	252	4190360	47.301	ng		100
89) Benzo(k)fluoranthene	23.771	252	4281583	47.480	ng		100
90) Benzo(a)pyrene	24.577	252	4126678	47.699	ng		100
91) Dibenzo(a,h)anthracene	28.465	278	4377382	47.615	ng		99
92) Benzo(g,h,i)perylene	29.553	276	4343110	47.614	ng		99

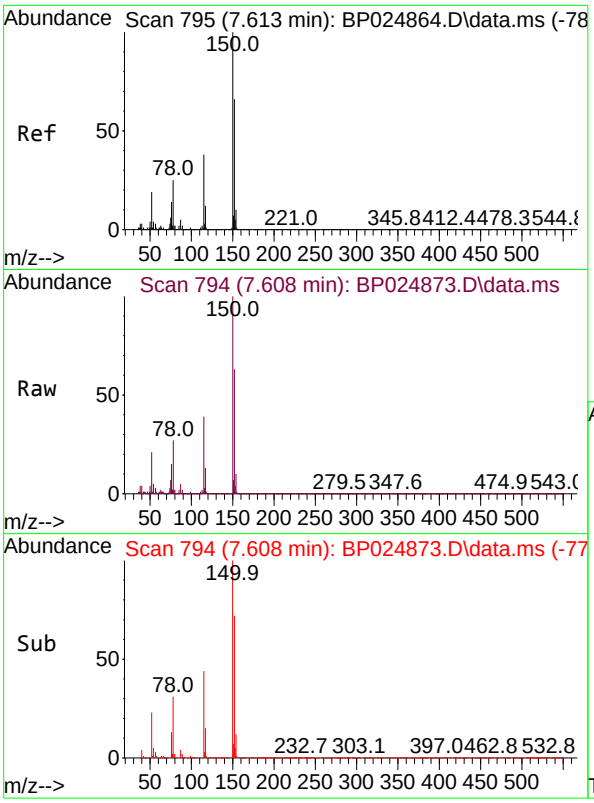
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



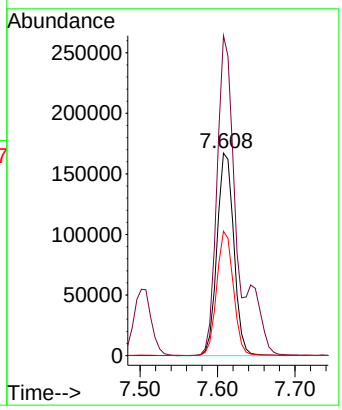


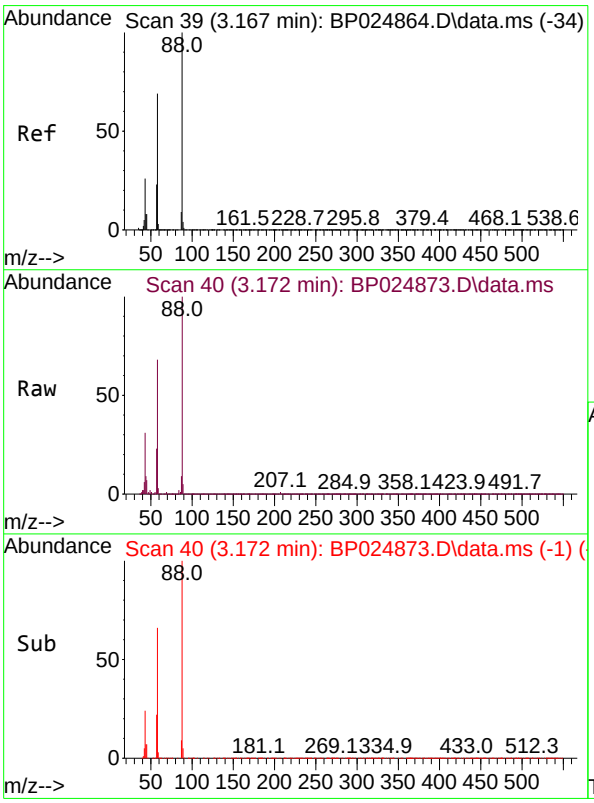
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:152 Resp: 251786

Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.1	183.1
115	61.4	46.4	69.6

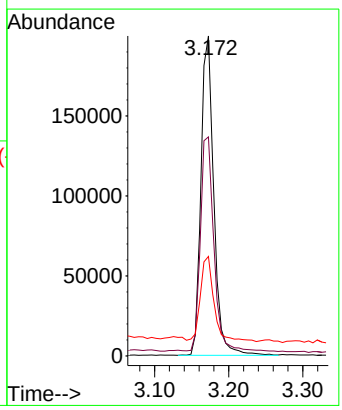


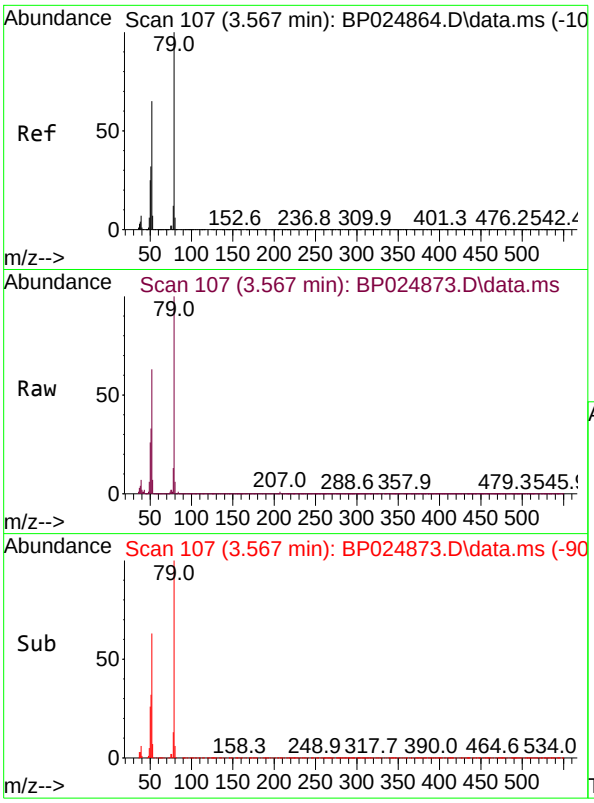


#2
1,4-Dioxane
Concen: 36.151 ng
RT: 3.172 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 88 Resp: 239942

Ion	Ratio	Lower	Upper
88	100		
58	71.0	55.4	83.0
43	28.5	20.8	31.2



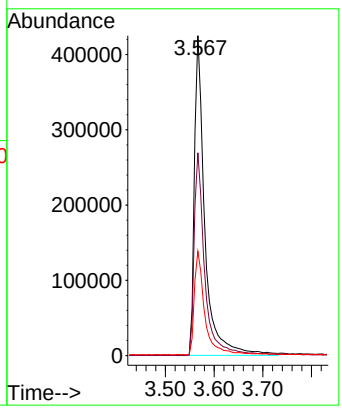


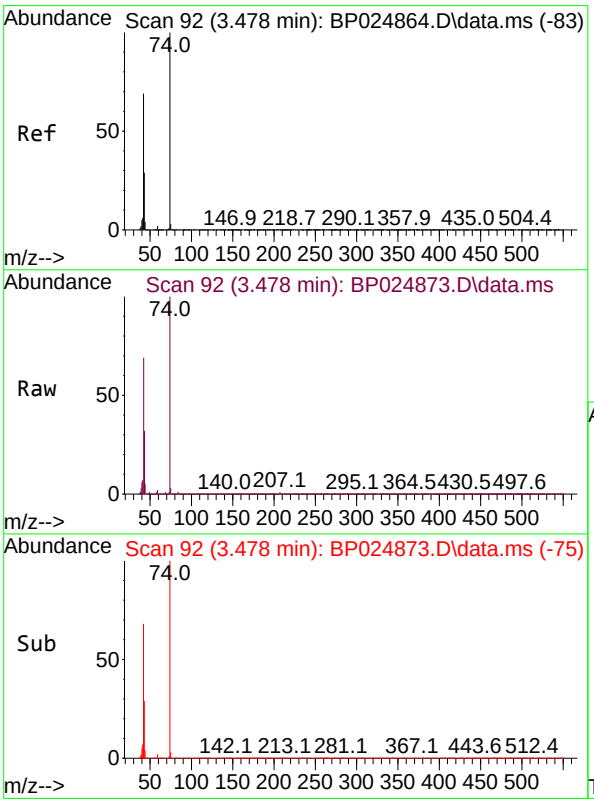
#3
Pyridine
Concen: 39.638 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 79 Resp: 632702

Ion	Ratio	Lower	Upper
79	100		
52	63.4	51.6	77.4
51	32.6	25.5	38.3

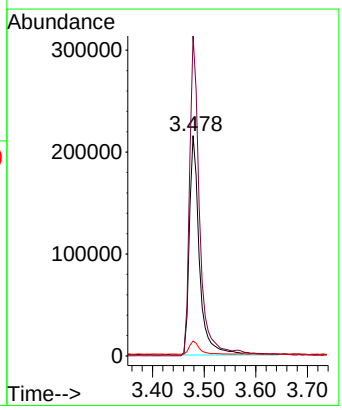


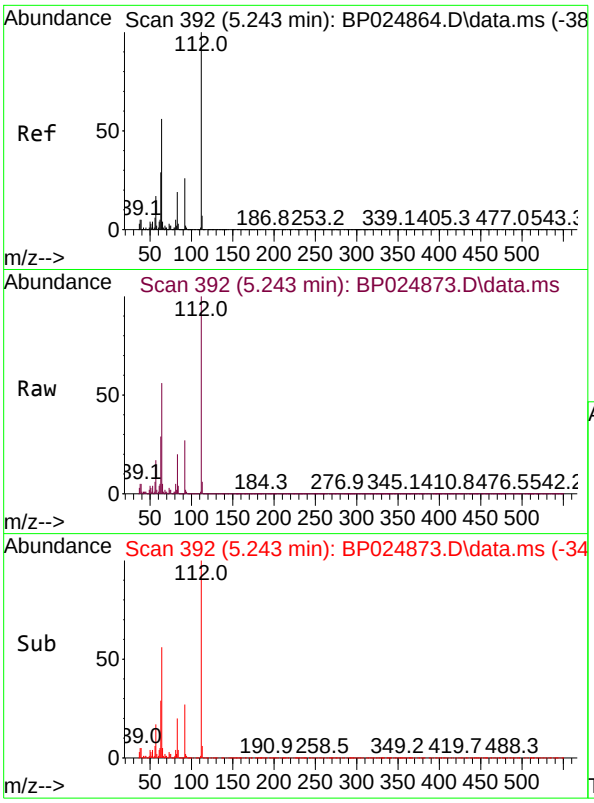


#4
n-Nitrosodimethylamine
Concen: 45.102 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 42 Resp: 294319

Ion	Ratio	Lower	Upper
42	100		
74	145.3	116.6	174.8
44	6.7	5.4	8.0



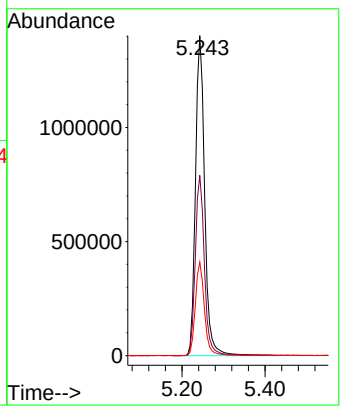


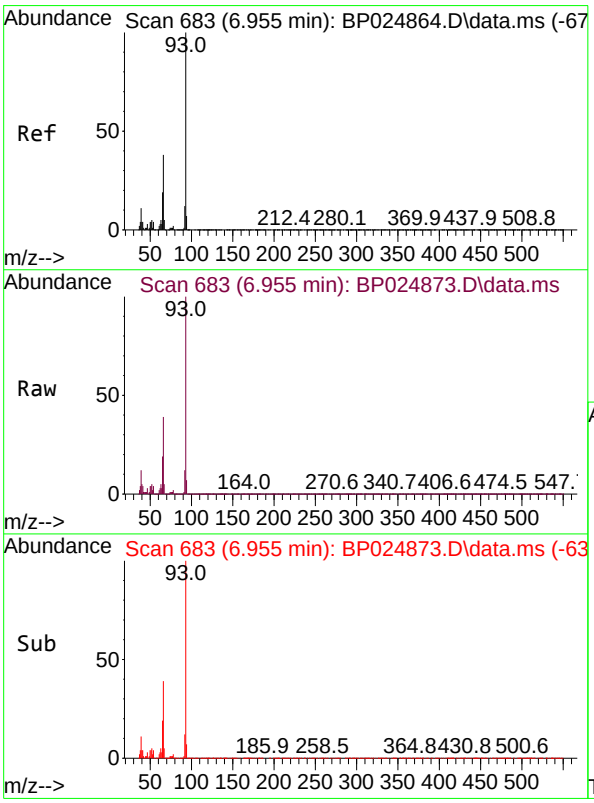
#5
2-Fluorophenol
Concen: 142.554 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:112 Resp: 2150315

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.7	67.1
63	29.2	23.5	35.3

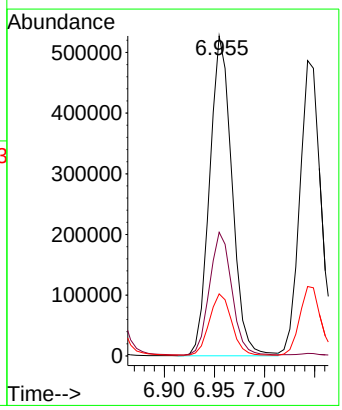


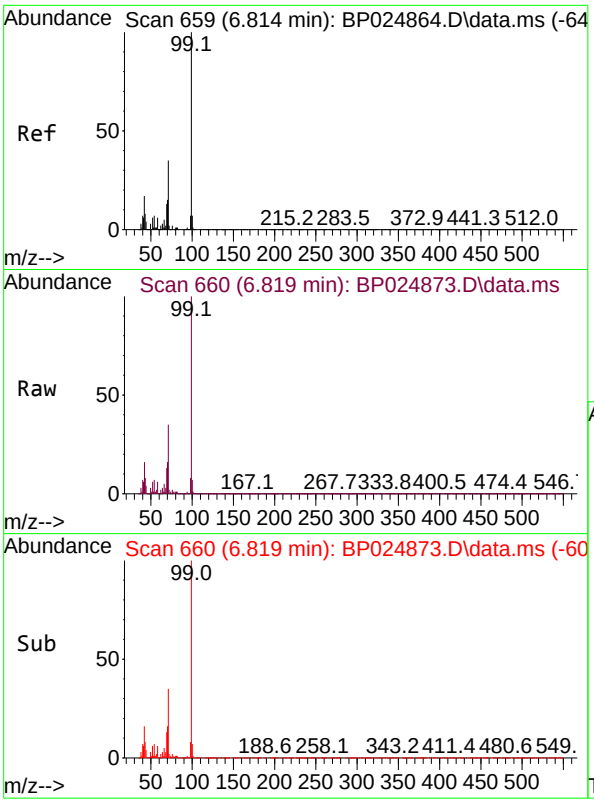


#6
Aniline
Concen: 32.074 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 93 Resp: 816918

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.4	15.5	23.3



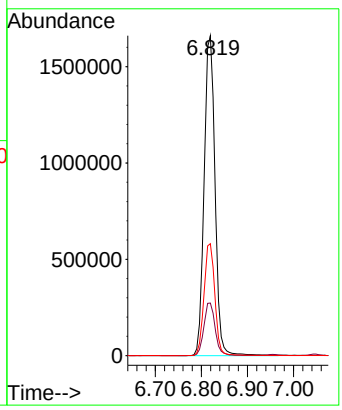


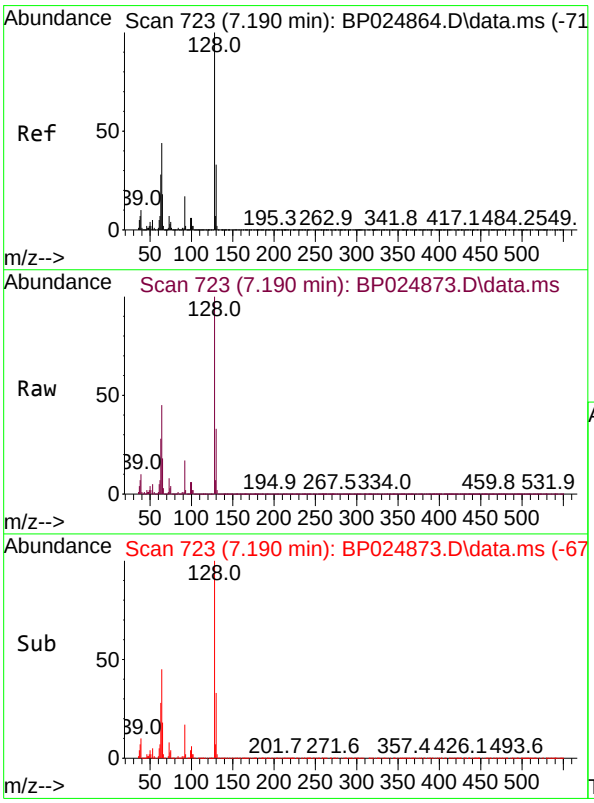
#7
Phenol-d6
Concen: 136.137 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 99 Resp: 2717026

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	35.0	27.6	41.4

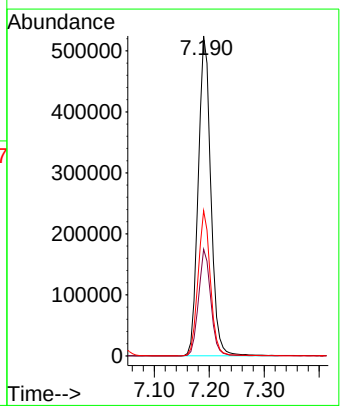


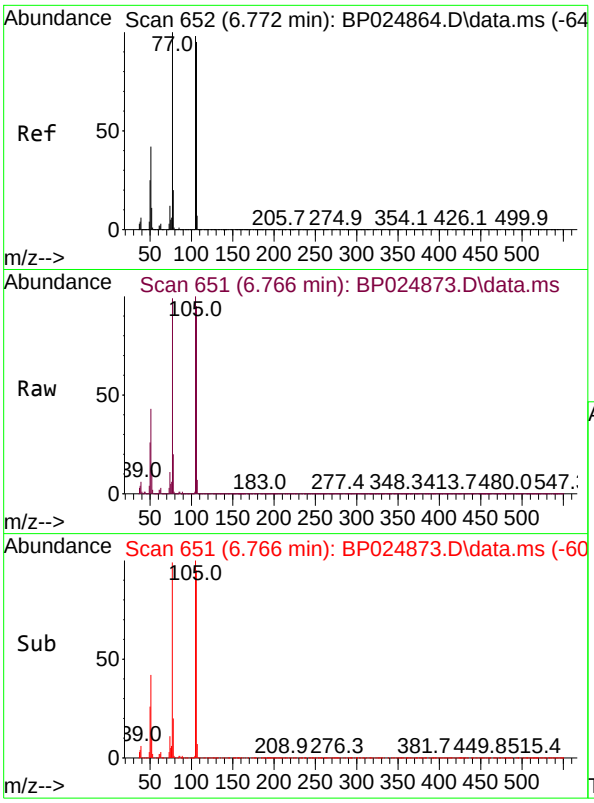


#8
2-Chlorophenol
Concen: 48.694 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:128 Resp: 832660

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	45.4	24.1	64.1



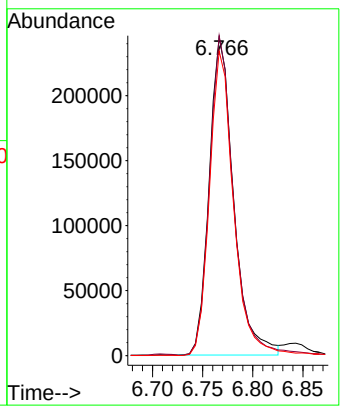


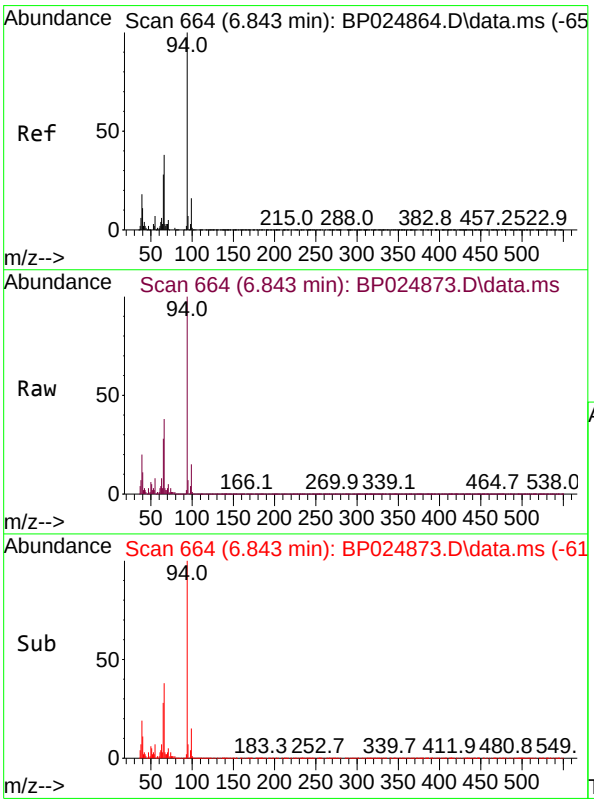
#9
Benzaldehyde
Concen: 36.042 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 77 Resp: 414614

Ion	Ratio	Lower	Upper
77	100		
105	100.6	77.7	117.7
106	95.7	74.8	114.8

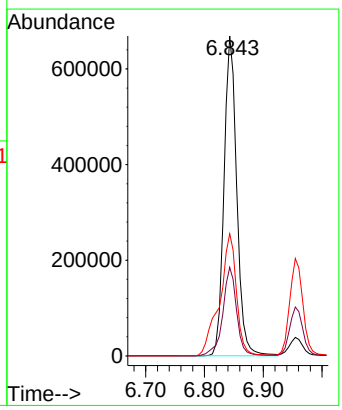


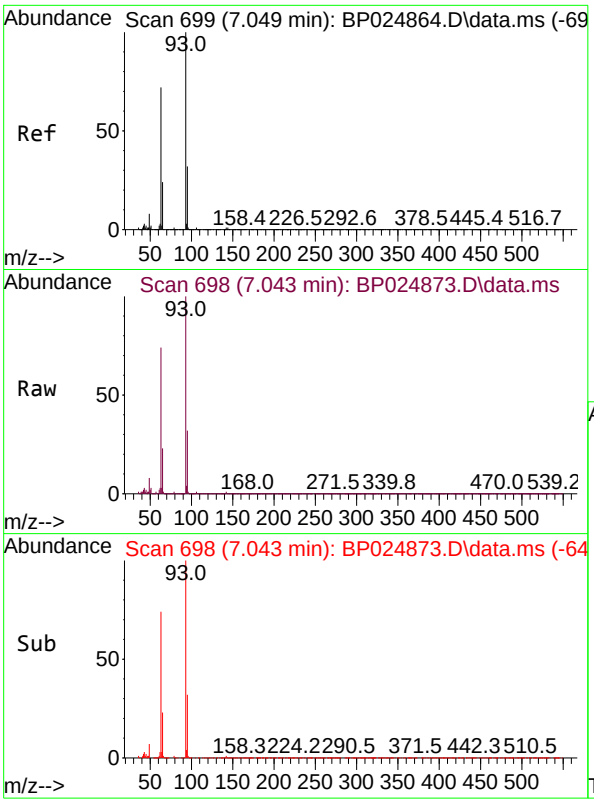


#10
Phenol
Concen: 49.021 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 94 Resp: 1008585

Ion	Ratio	Lower	Upper
94	100		
65	27.7	8.3	48.3
66	38.2	18.2	58.2



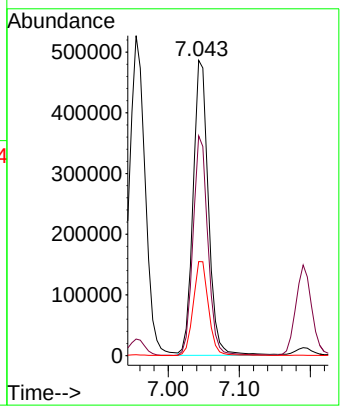


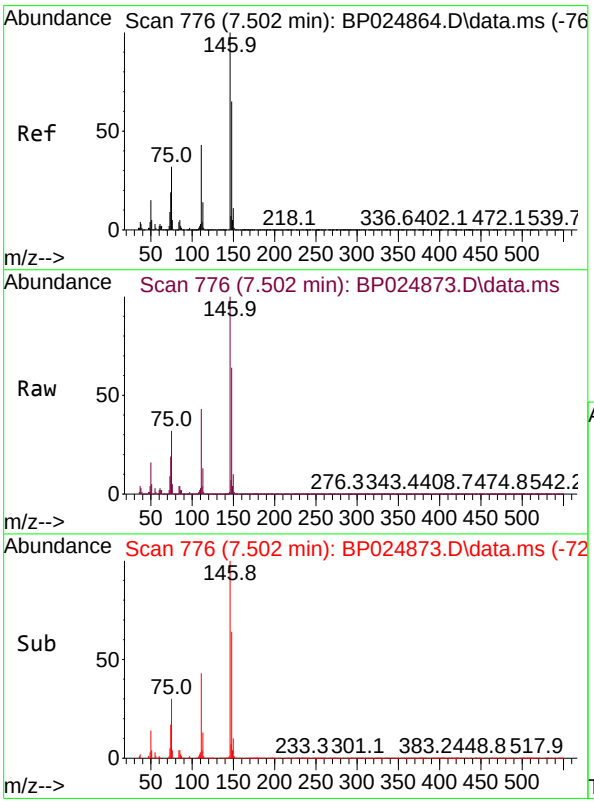
#11
bis(2-Chloroethyl)ether
Concen: 44.889 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 93 Resp: 726397

Ion	Ratio	Lower	Upper
93	100		
63	74.4	51.6	91.6
95	31.8	12.1	52.1

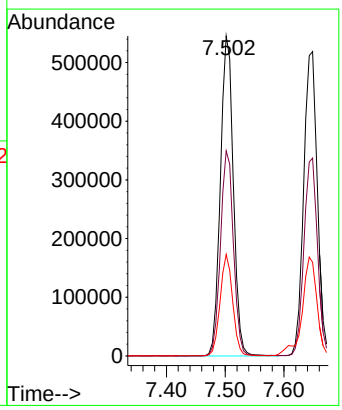


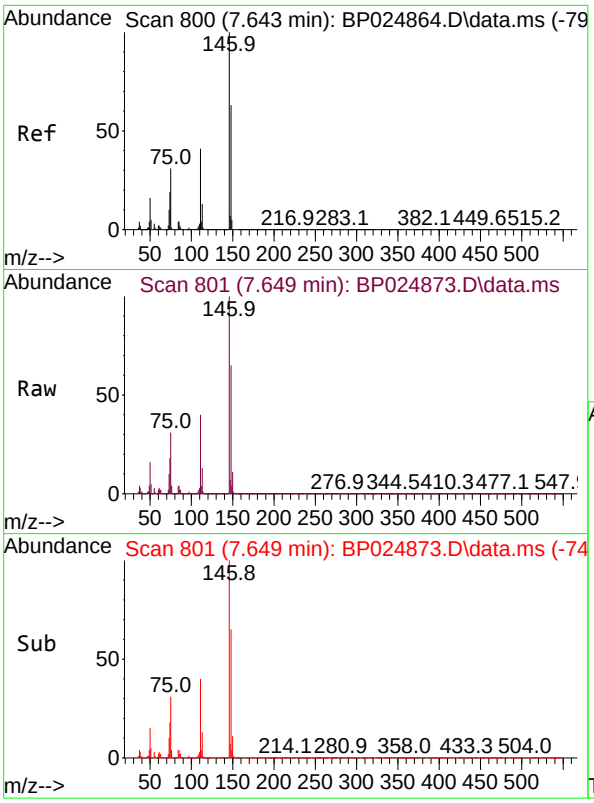


#12
1,3-Dichlorobenzene
Concen: 43.703 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:146 Resp: 833695

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
75	31.7	25.3	37.9



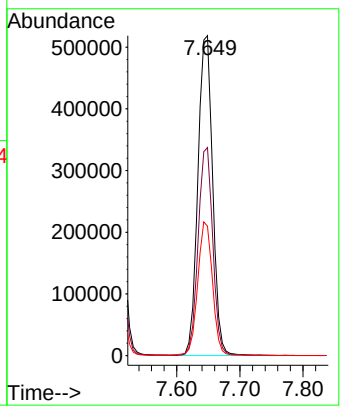


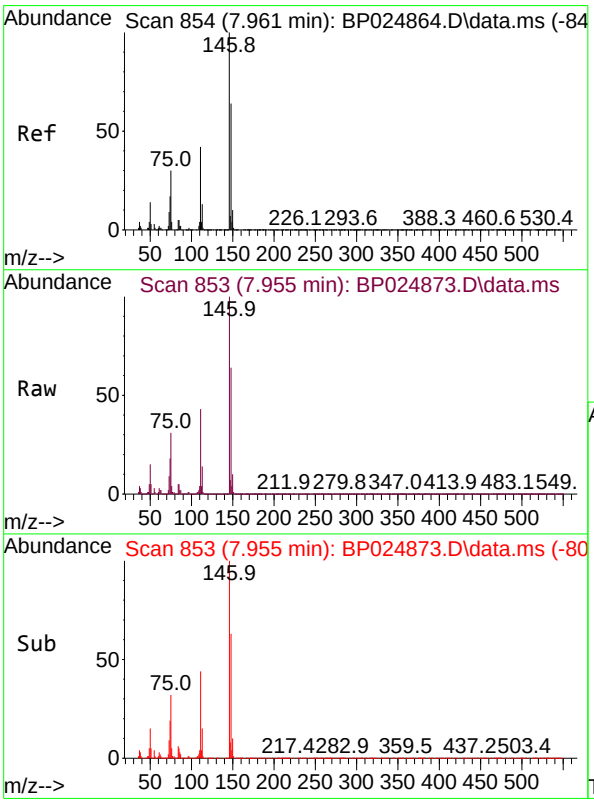
#13
1,4-Dichlorobenzene
Concen: 43.687 ng
RT: 7.649 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:146 Resp: 840877

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.4	32.7	49.1

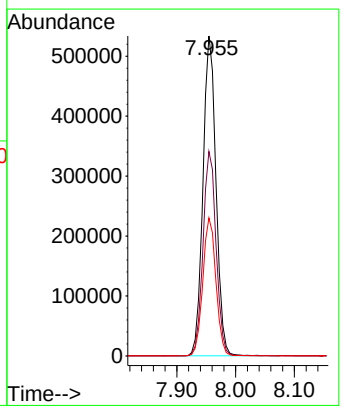


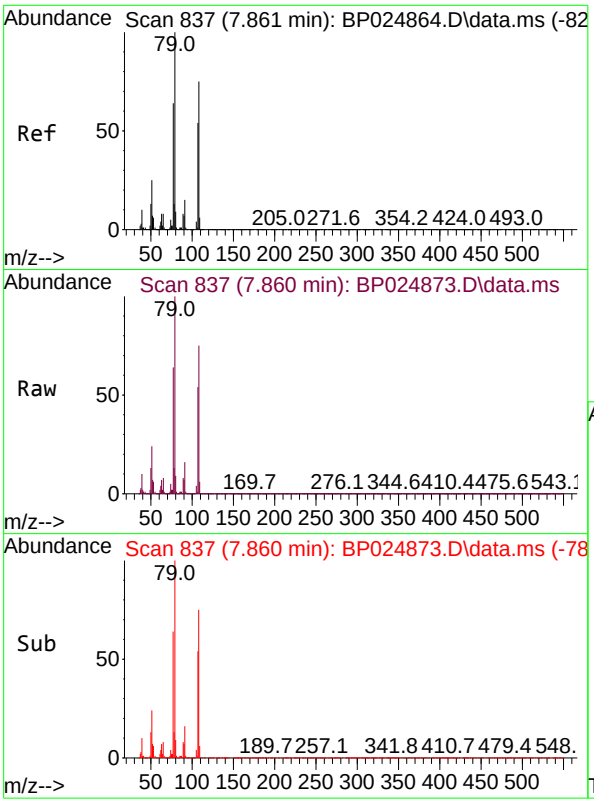


#14
1,2-Dichlorobenzene
Concen: 43.460 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:146 Resp: 821435

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	43.1	33.8	50.8



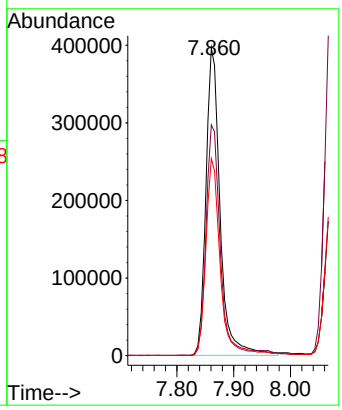


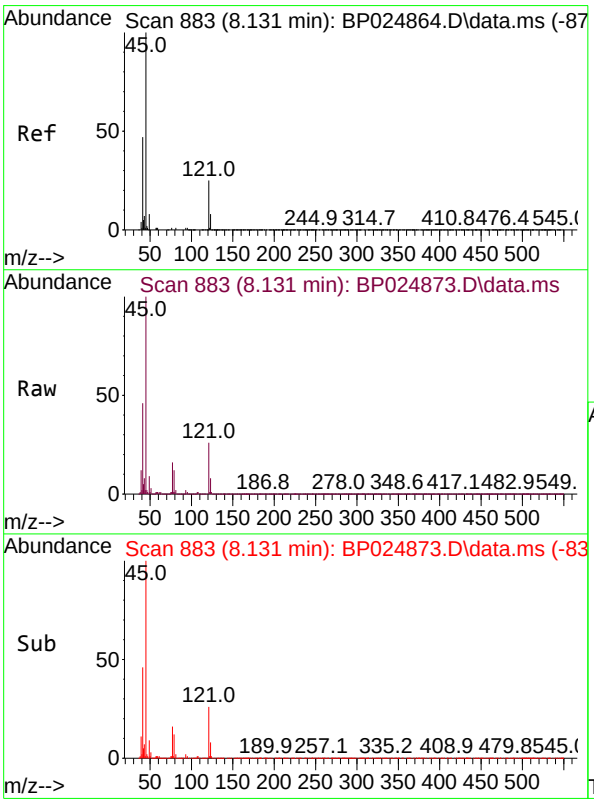
#15
Benzyl Alcohol
Concen: 45.133 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 79 Resp: 691313

Ion	Ratio	Lower	Upper
79	100		
108	75.0	60.2	90.4
77	64.0	51.2	76.8

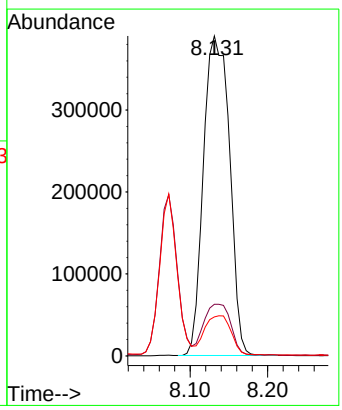


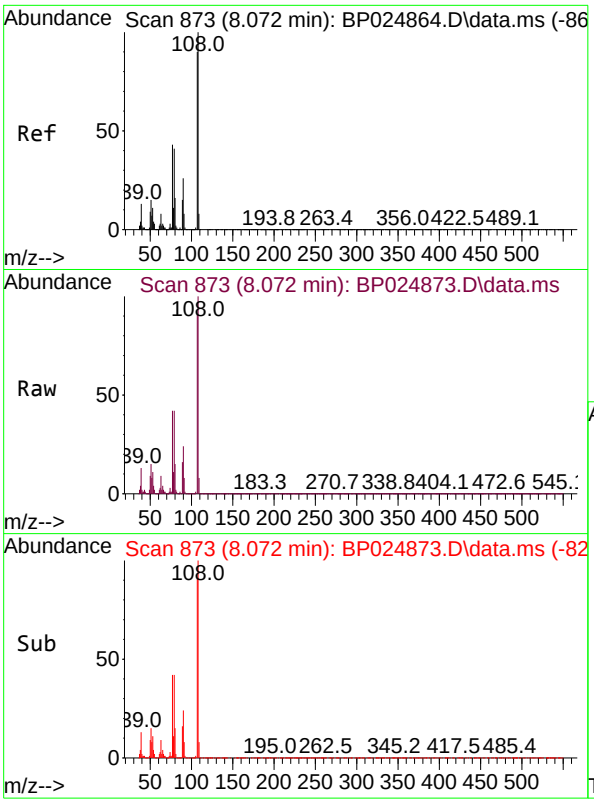


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.060 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 45 Resp: 912010

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.3
79	12.2	0.0	32.2



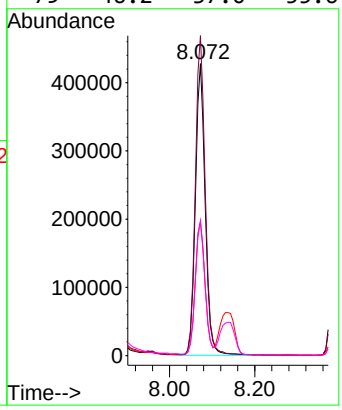


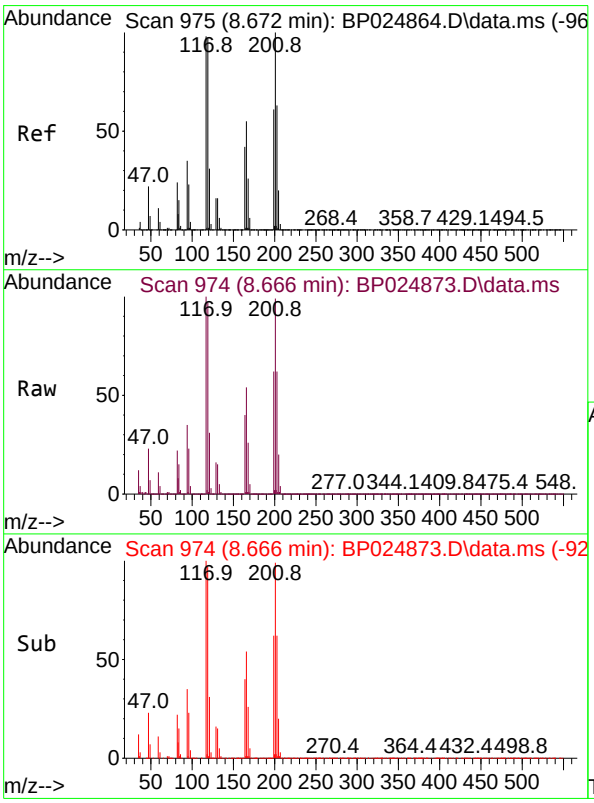
#17
2-Methylphenol
Concen: 47.420 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:107 Resp: 681305

Ion	Ratio	Lower	Upper
107	100		
108	109.6	88.6	132.8
77	46.0	38.5	57.7
79	46.2	37.0	55.6

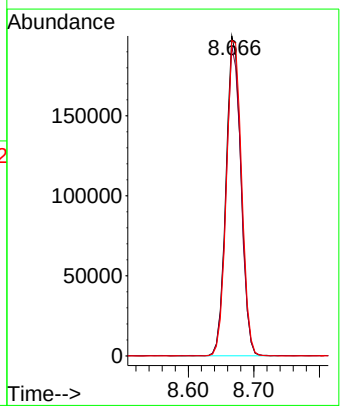


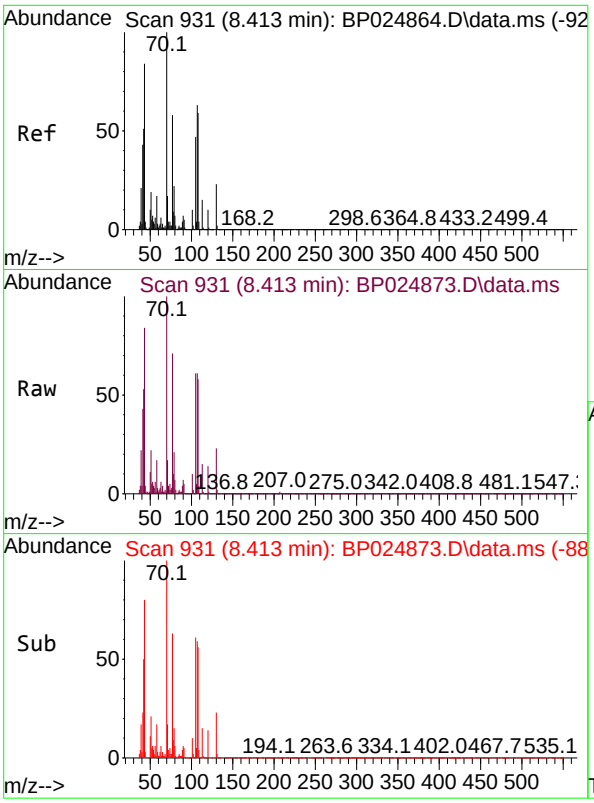


#18
Hexachloroethane
Concen: 43.819 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:117 Resp: 317537

Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.4	119.2
201	98.6	81.4	122.2



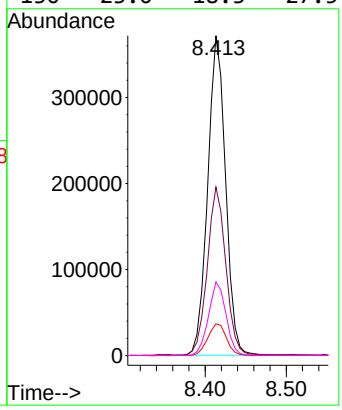


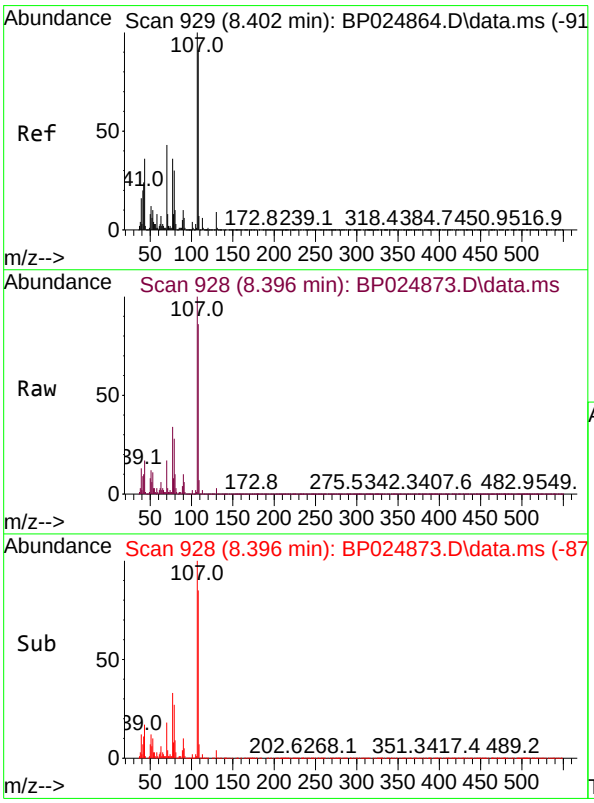
#19
n-Nitroso-di-n-propylamine
Concen: 41.901 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 70 Resp: 568500

Ion	Ratio	Lower	Upper
70	100		
42	52.6	41.2	61.8
101	9.9	8.3	12.5
130	23.0	18.3	27.5

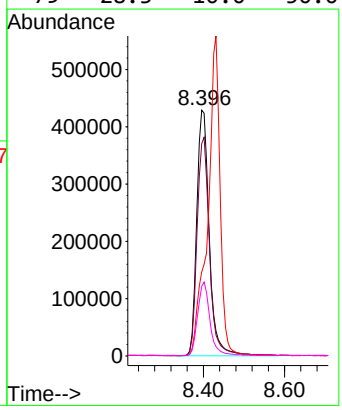


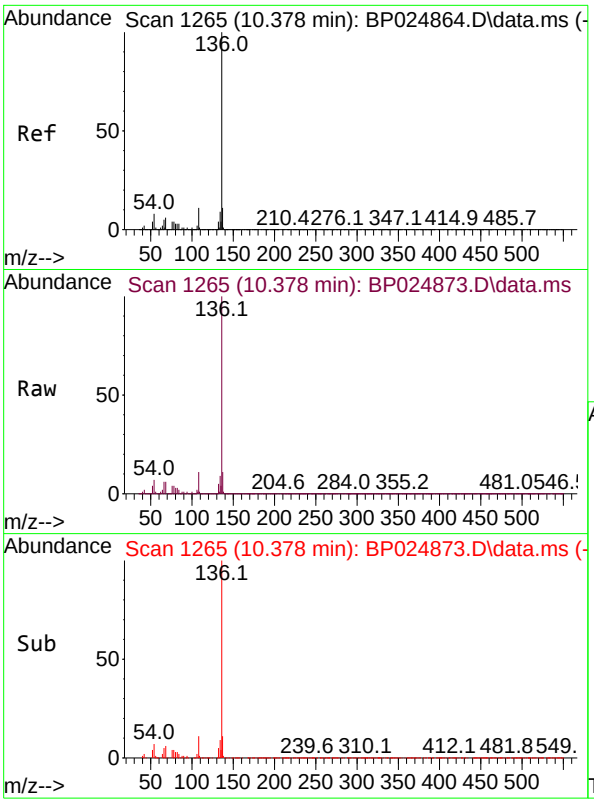


#20
3+4-Methylphenols
Concen: 46.681 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:107 Resp: 915040

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.7	110.7
77	34.2	16.6	56.6
79	28.3	10.0	50.0



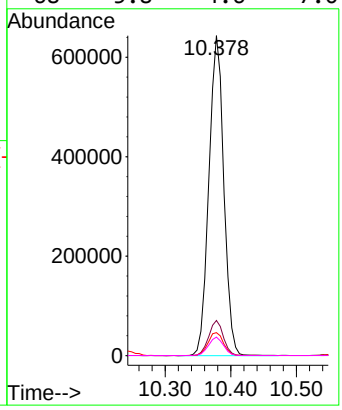


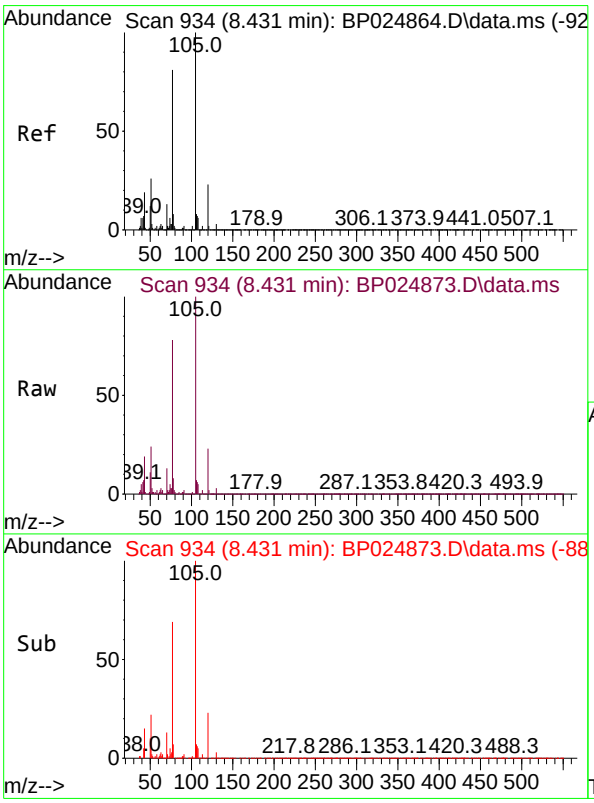
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:136 Resp: 1016039

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.1	9.1
68	5.8	4.6	7.0

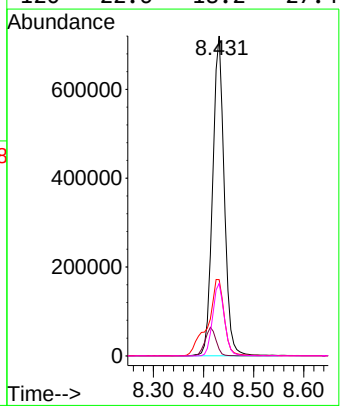


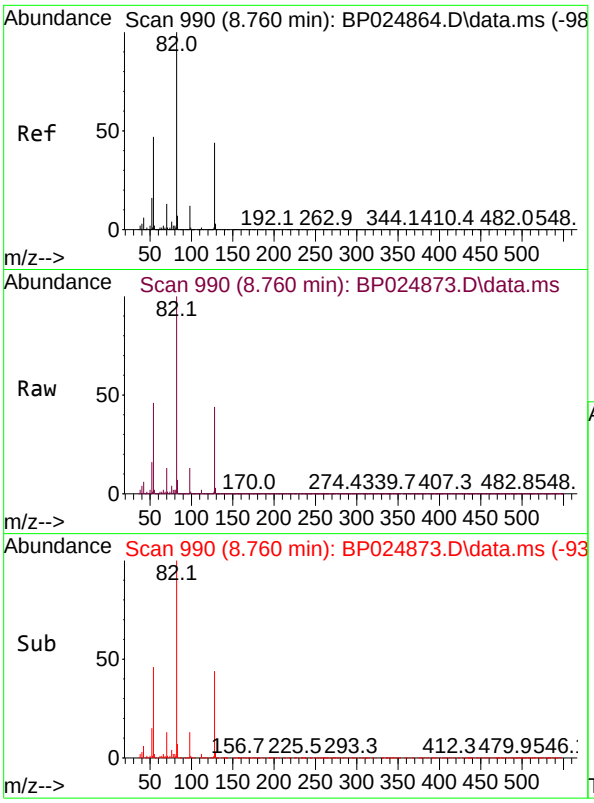


#22
Acetophenone
Concen: 45.221 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:105 Resp: 1160850

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.6	2.4
51	23.8	20.6	31.0
120	22.6	18.2	27.4



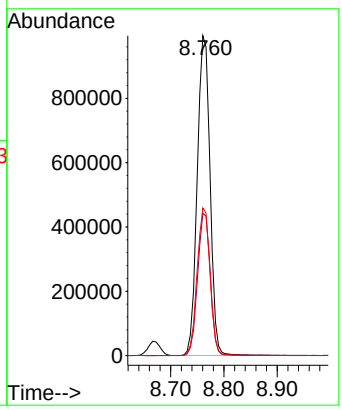


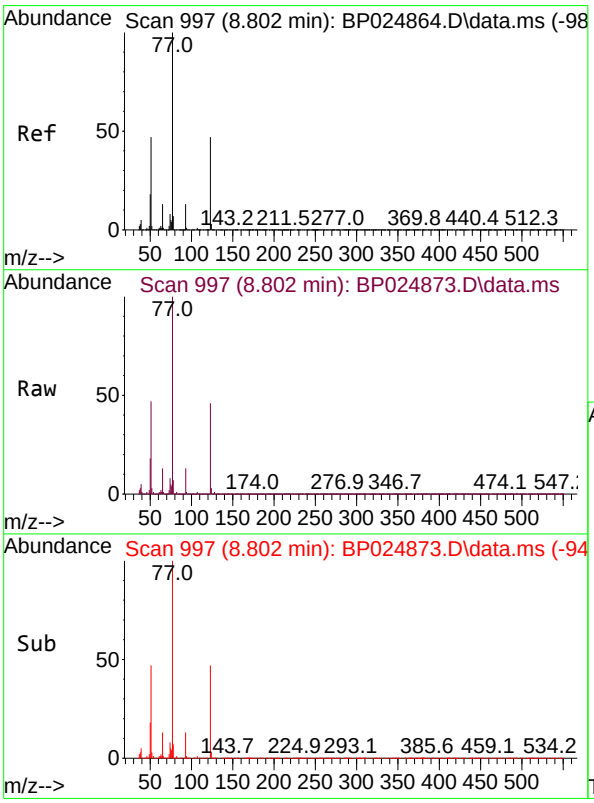
#23
Nitrobenzene-d5
Concen: 79.445 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 82 Resp: 1661117

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.3	52.9
54	46.2	37.4	56.0

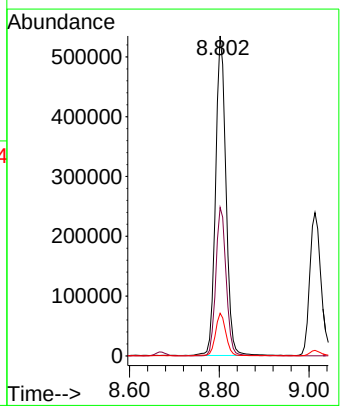


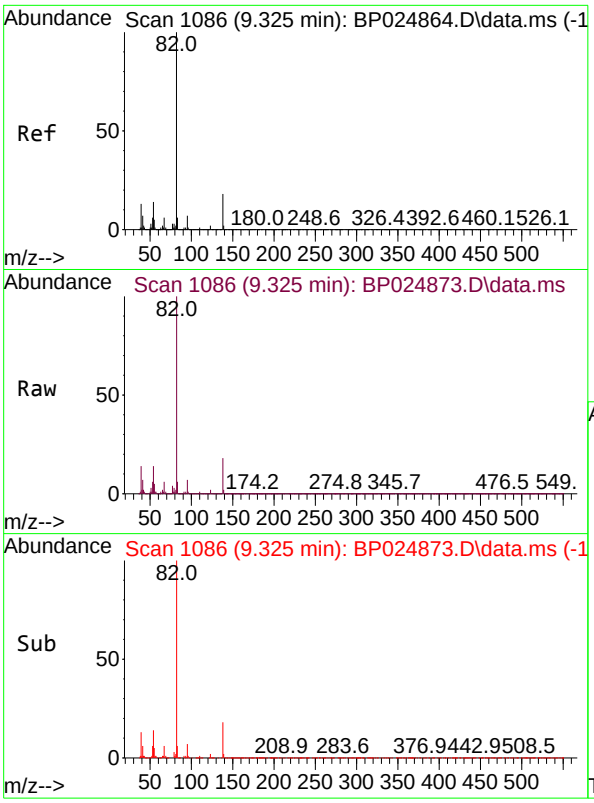


#24
Nitrobenzene
Concen: 46.259 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 77 Resp: 859288

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.3	55.9
65	13.4	10.8	16.2



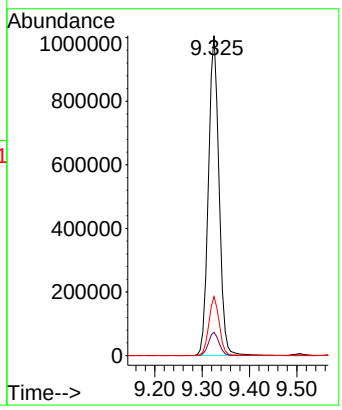


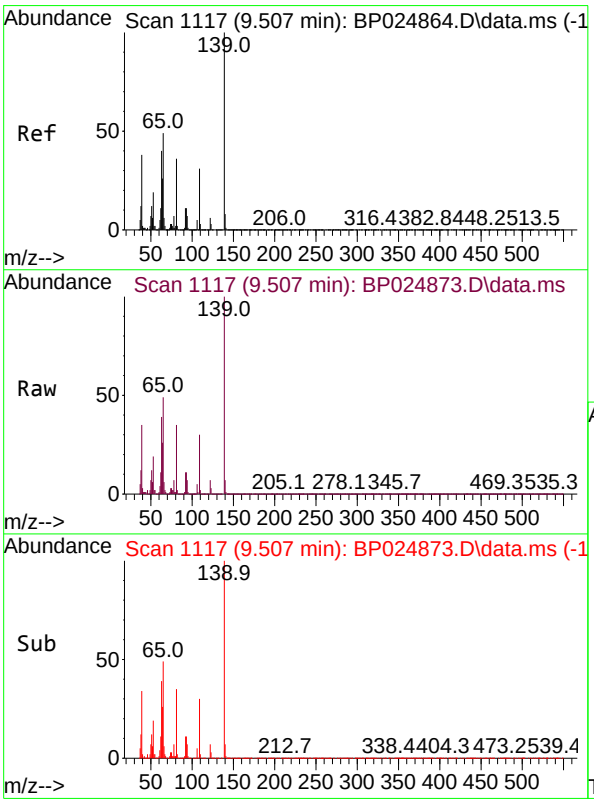
#25
Isophorone
Concen: 43.167 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 82 Resp: 1564267

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.9	8.9
138	18.4	14.6	21.8

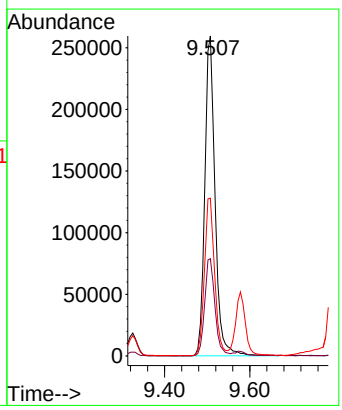


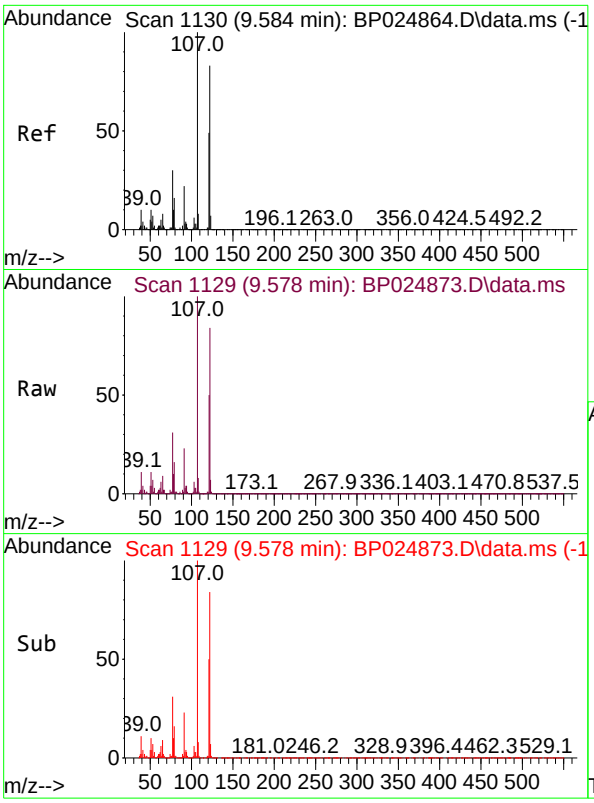


#26
2-Nitrophenol
Concen: 47.343 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:139 Resp: 433908

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.6	37.0
65	49.3	39.5	59.3



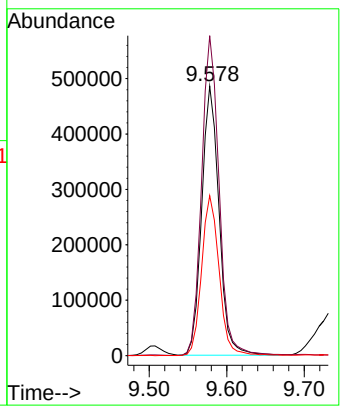


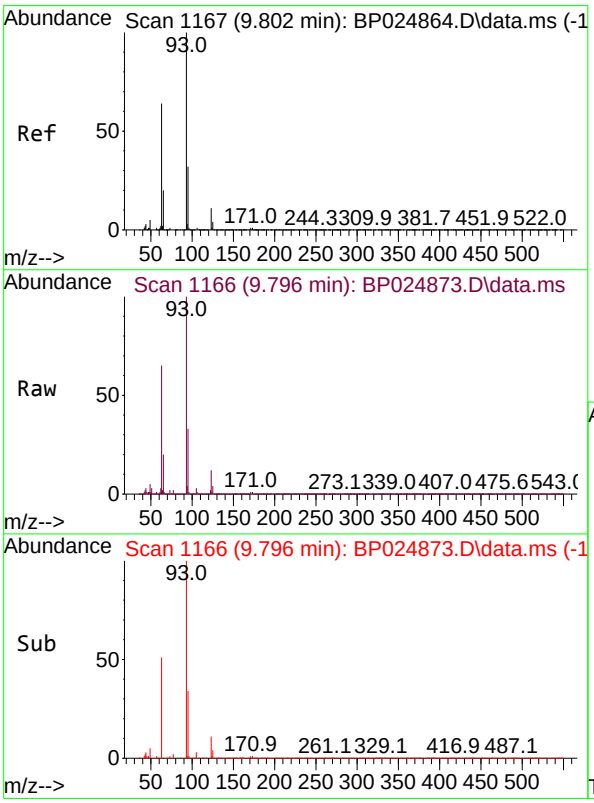
#27
2,4-Dimethylphenol
Concen: 48.094 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:122 Resp: 754390

Ion	Ratio	Lower	Upper
122	100		
107	118.7	96.2	144.4
121	59.3	47.0	70.4

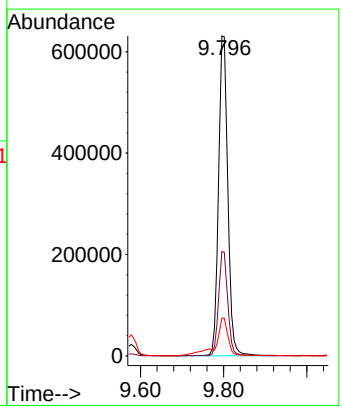


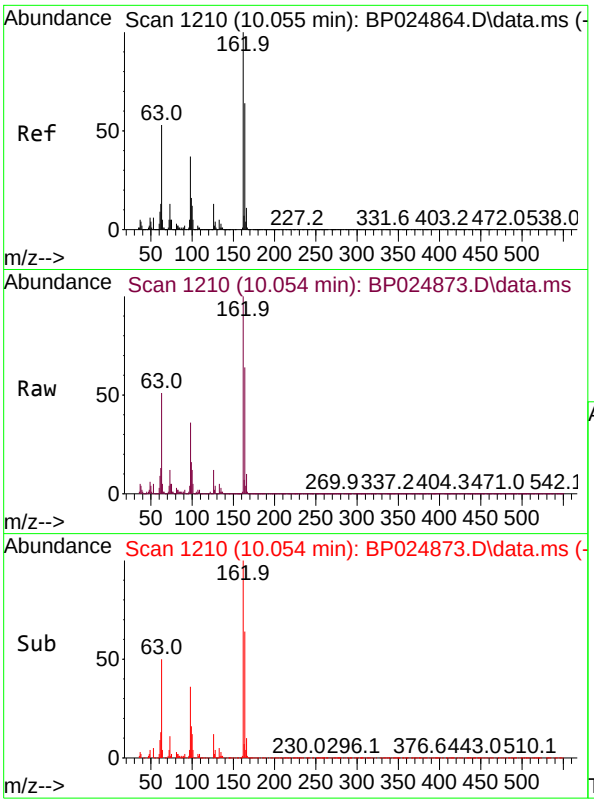


#28
bis(2-Chloroethoxy)methane
Concen: 45.227 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 93 Resp: 977653

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.5	38.3
123	11.8	9.2	13.8



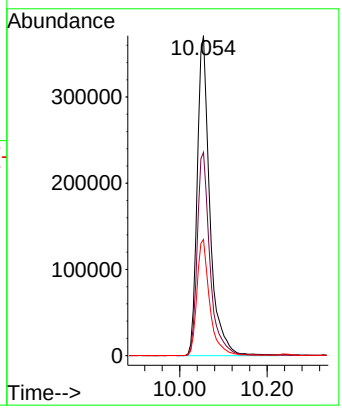


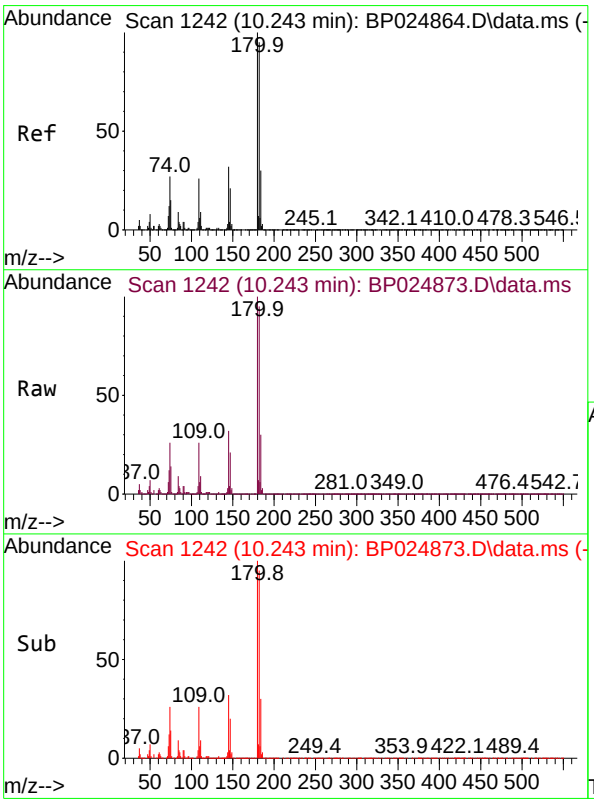
#29
2,4-Dichlorophenol
Concen: 49.263 ng
RT: 10.054 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:162 Resp: 741425

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.0	84.0
98	36.3	16.9	56.9

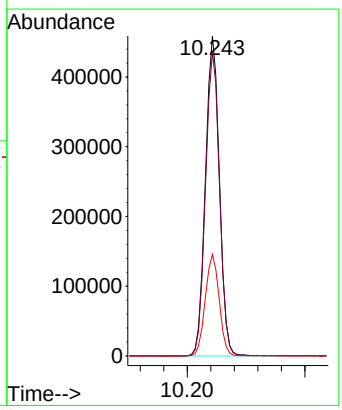


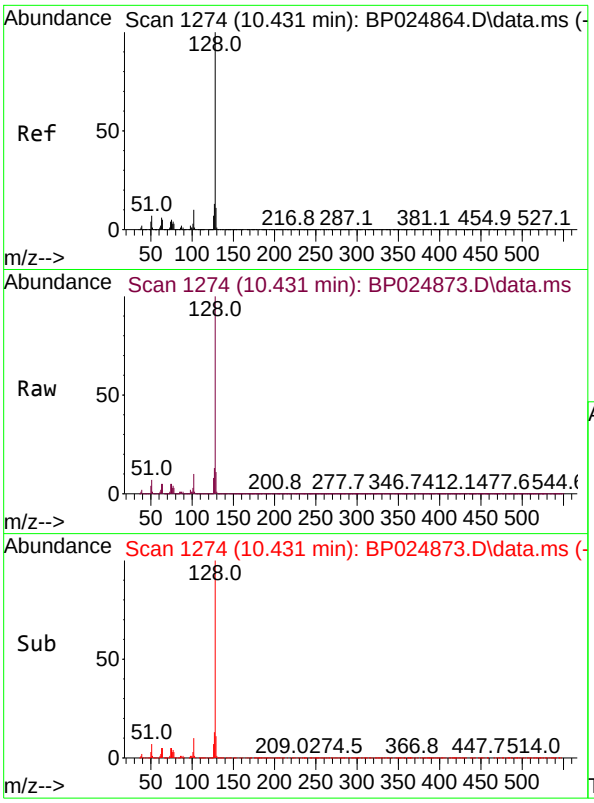


#30
1,2,4-Trichlorobenzene
Concen: 44.582 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:180 Resp: 756797

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.6
145	31.7	25.7	38.5



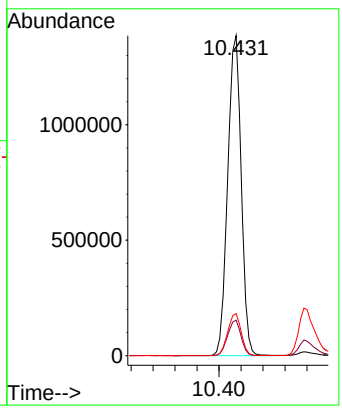


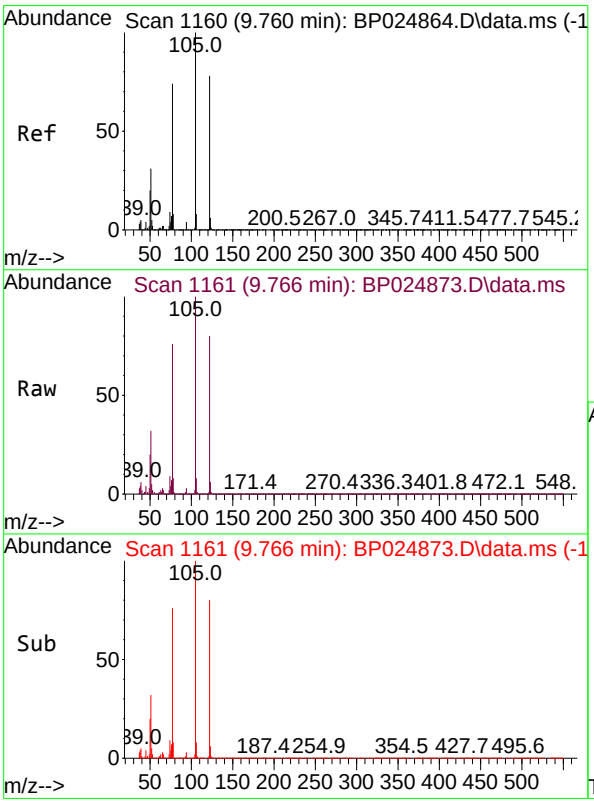
#31
Naphthalene
Concen: 45.301 ng
RT: 10.431 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:128 Resp: 2358732

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.7	16.1

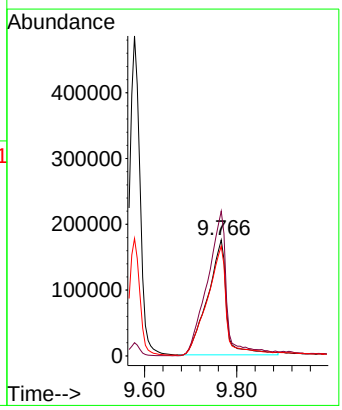


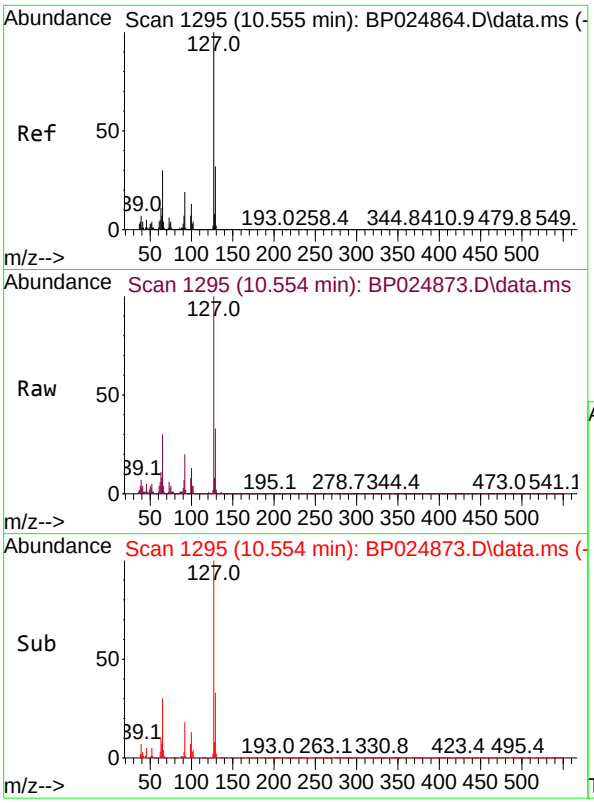


#32
Benzoic acid
Concen: 47.349 ng
RT: 9.766 min Scan# 1161
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:122 Resp: 501882

Ion	Ratio	Lower	Upper
122	100		
105	125.0	107.1	147.1
77	94.7	75.1	115.1



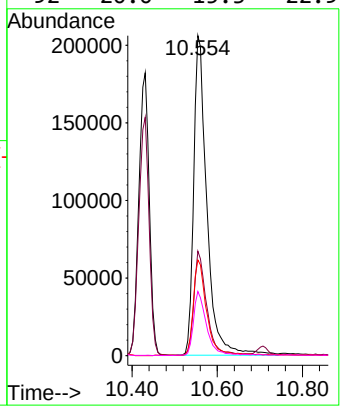


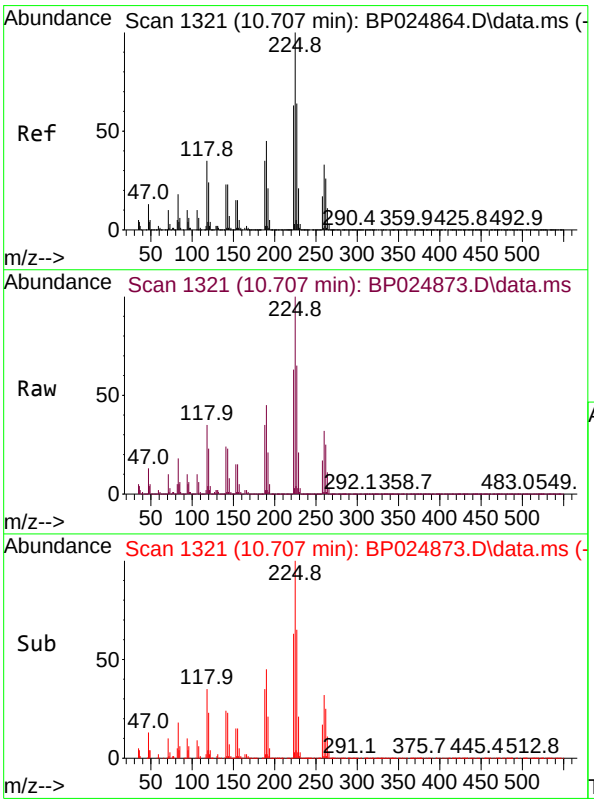
#33
4-Chloroaniline
Concen: 20.314 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:127 Resp: 443141

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	29.9	23.9	35.9
92	20.0	15.3	22.9

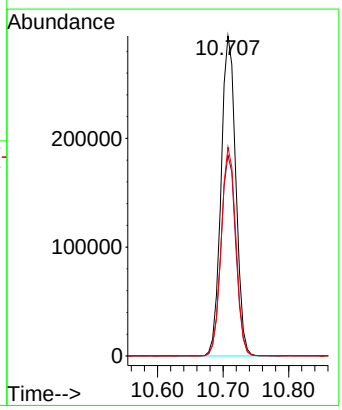


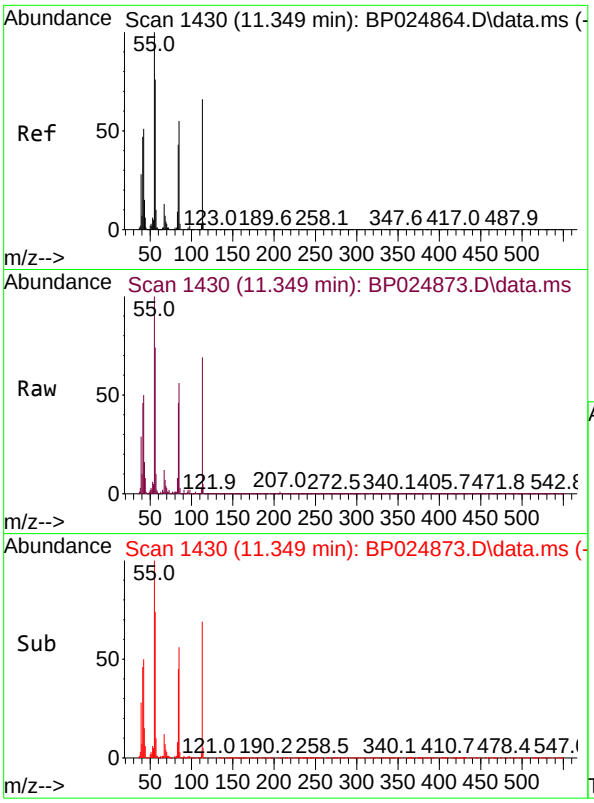


#34
Hexachlorobutadiene
Concen: 44.873 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:225 Resp: 459112

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7
227	65.2	51.4	77.2



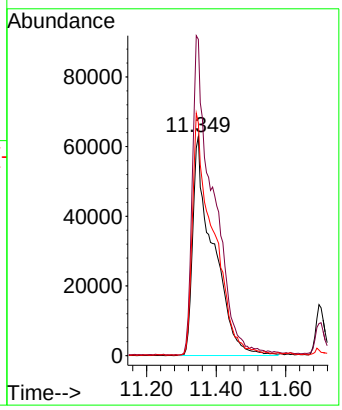


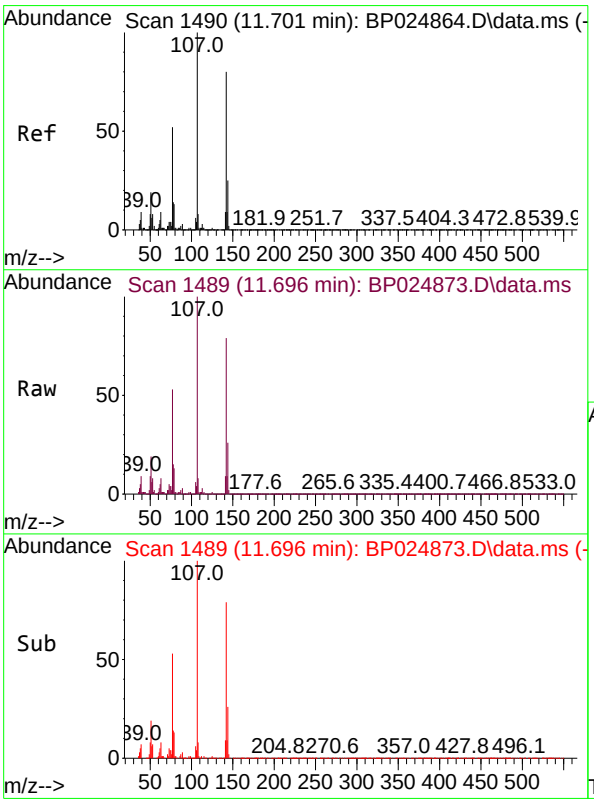
#35
Caprolactam
Concen: 45.658 ng
RT: 11.349 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:113 Resp: 252952

Ion	Ratio	Lower	Upper
113	100		
55	144.3	132.5	172.5
56	106.2	96.0	136.0

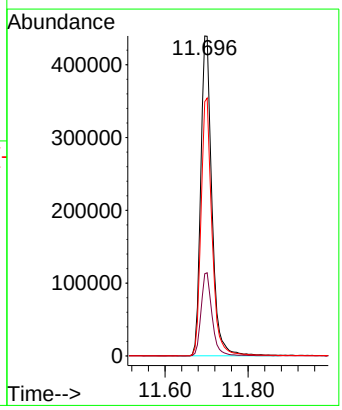


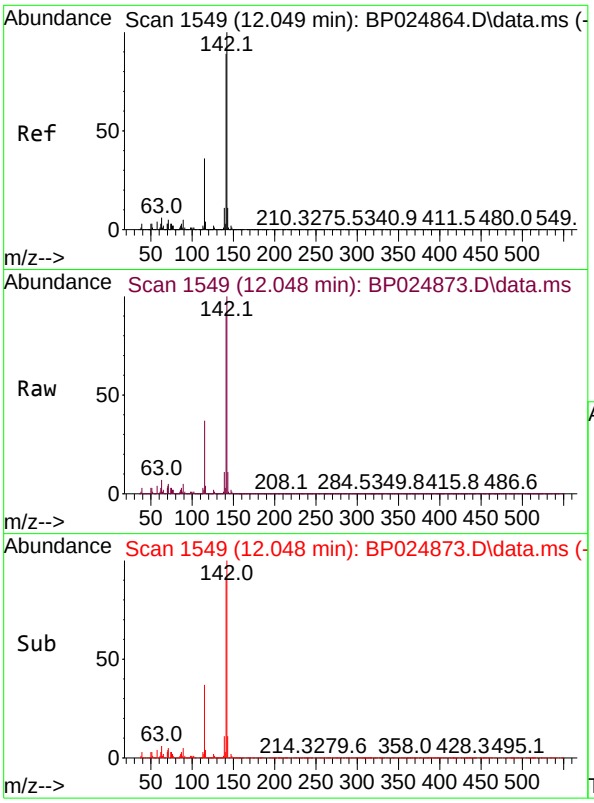


#36
4-Chloro-3-methylphenol
Concen: 47.292 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:107 Resp: 820968

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	79.4	63.8	95.6



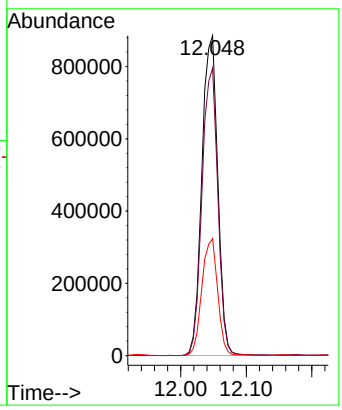


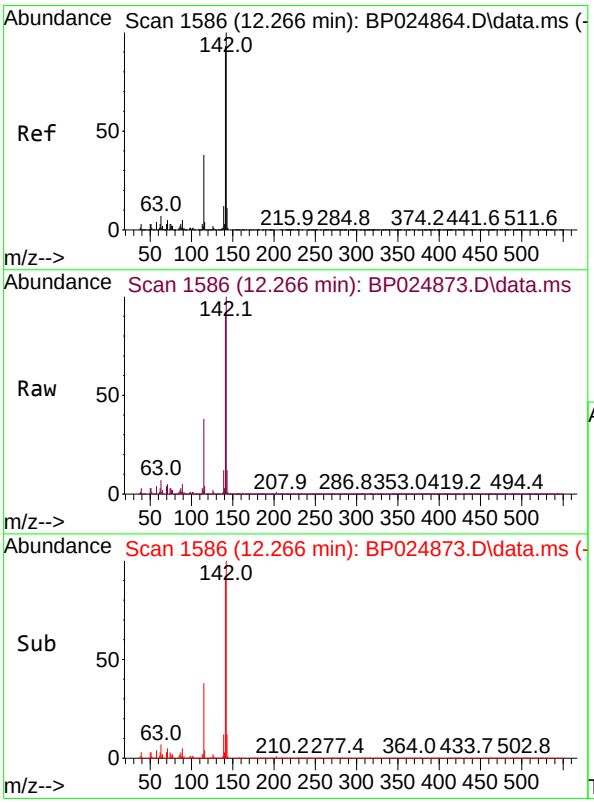
#37
2-Methylnaphthalene
Concen: 45.048 ng
RT: 12.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:142 Resp: 1487861

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	36.5	28.5	42.7

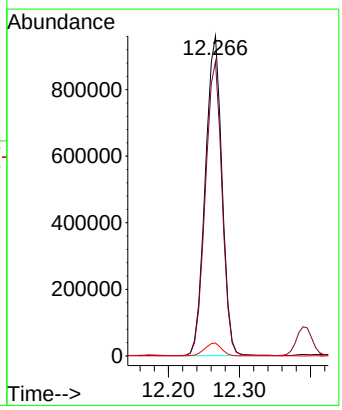


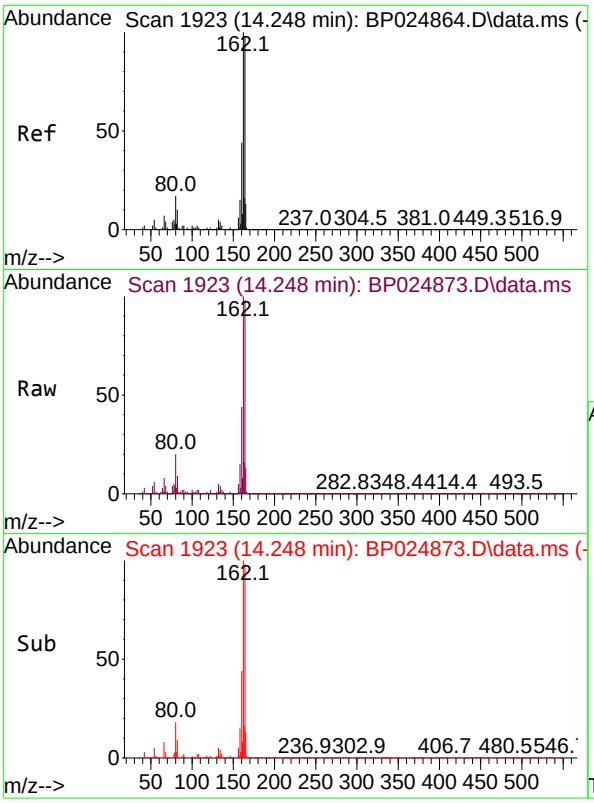


#38
1-Methylnaphthalene
Concen: 44.203 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:142 Resp: 1560851

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.7	112.1
116	4.0	3.4	5.0



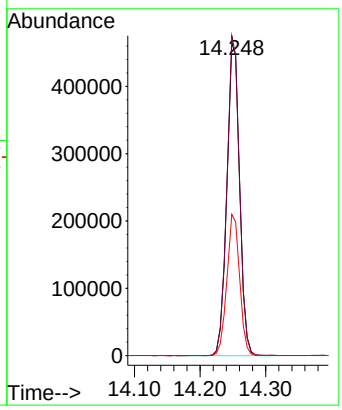


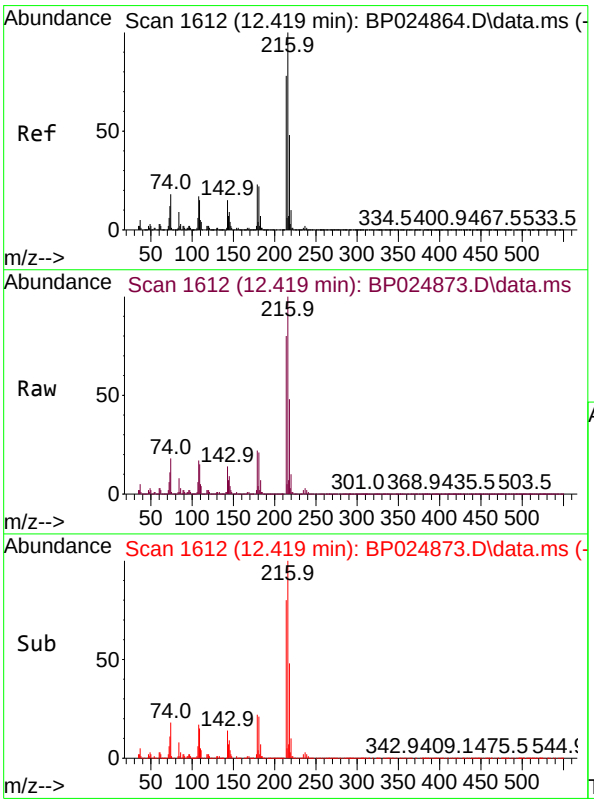
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:164 Resp: 628283

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.6	122.4
160	45.1	36.2	54.2

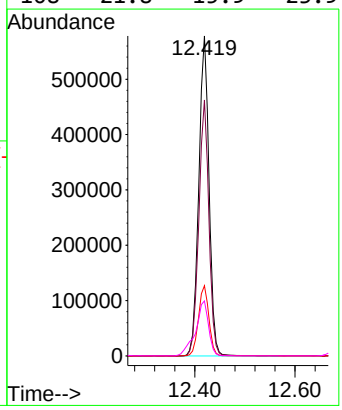


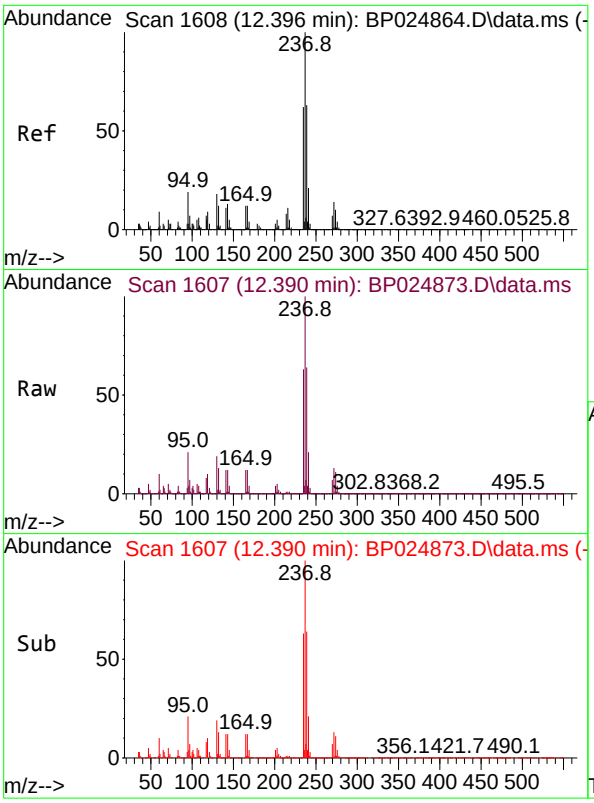


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.112 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:216 Resp: 822077

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	22.2	17.8	26.6
108	21.8	15.9	23.9



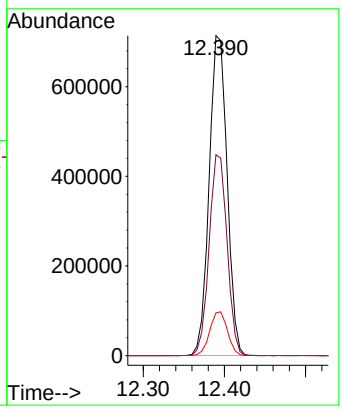


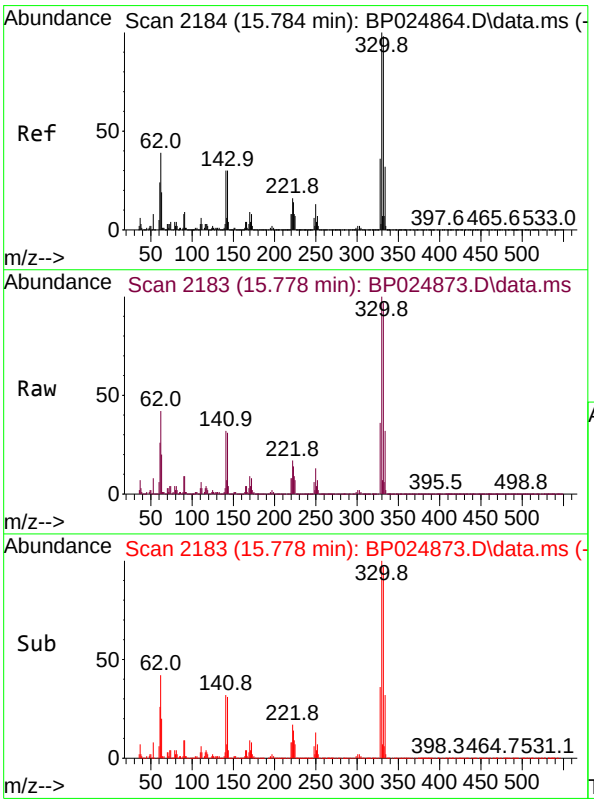
#41
Hexachlorocyclopentadiene
Concen: 100.954 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:237 Resp: 1097762

Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.9	81.9
272	13.4	0.0	33.7

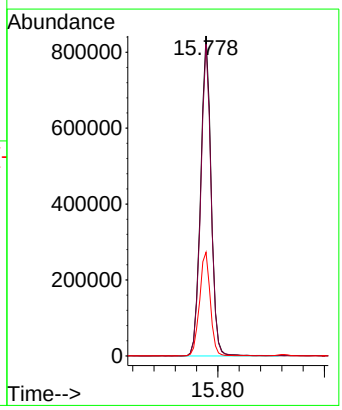


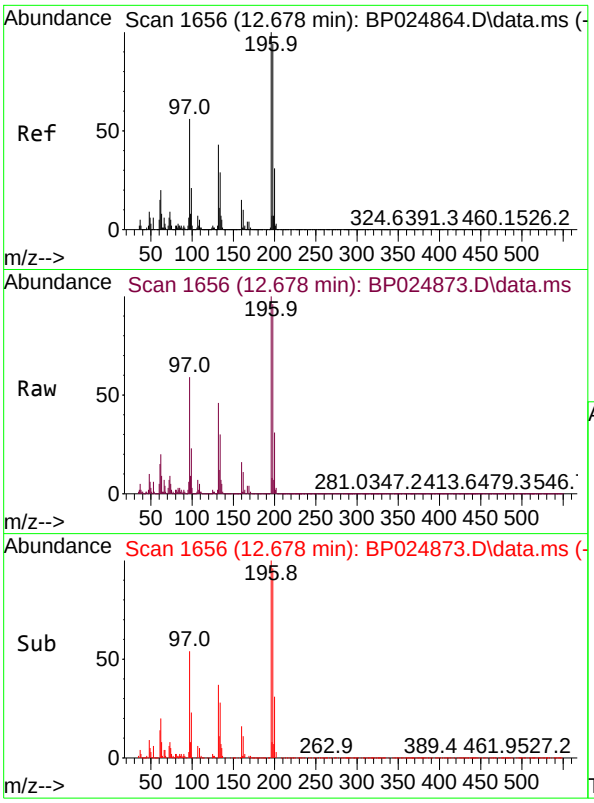


#42
2,4,6-Tribromophenol
Concen: 131.309 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:330 Resp: 1140597

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	33.2	26.4	39.6



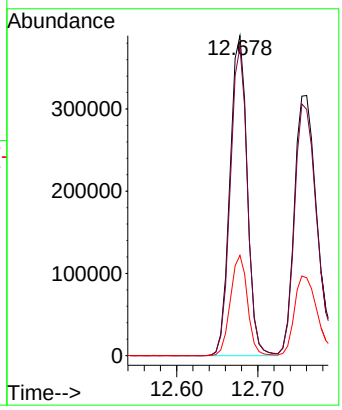


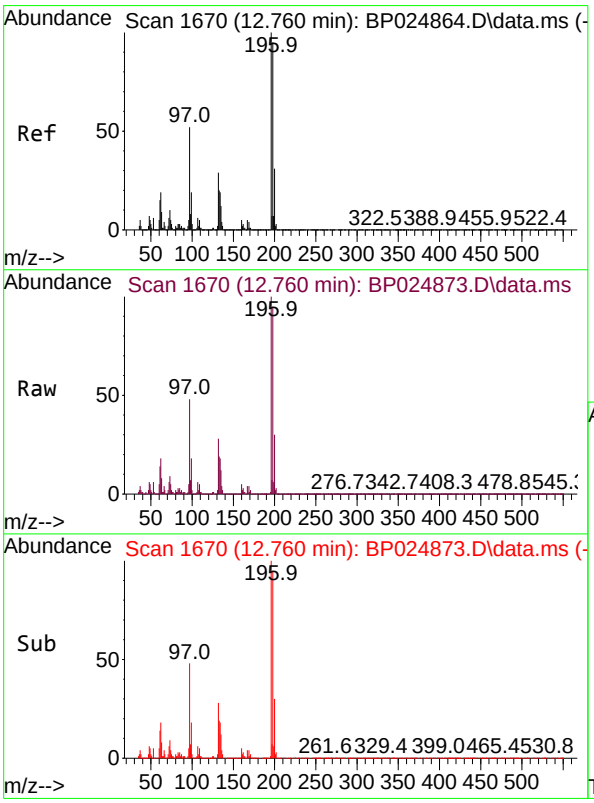
#43
2,4,6-Trichlorophenol
Concen: 48.214 ng
RT: 12.678 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:196 Resp: 577250

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.4	113.0
200	31.3	24.4	36.6

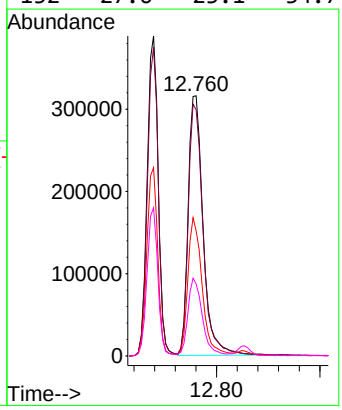


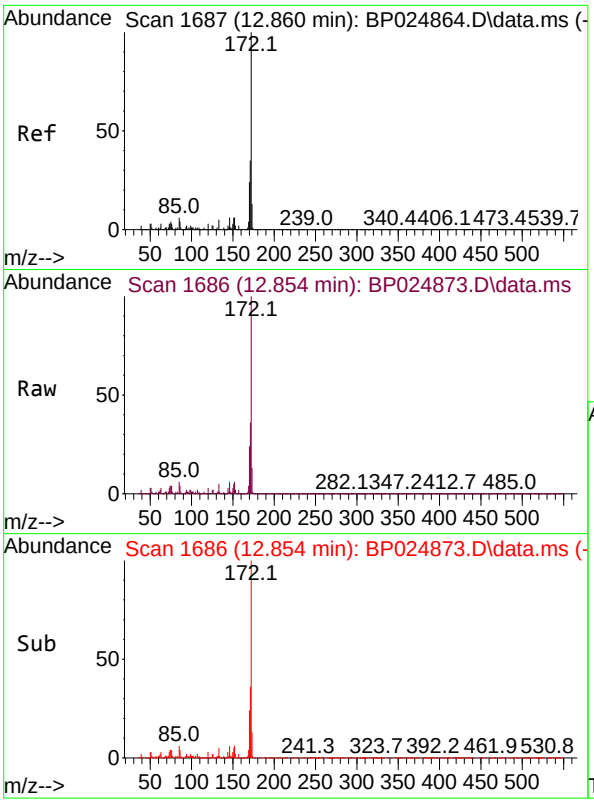


#44
2,4,5-Trichlorophenol
Concen: 49.602 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:196 Resp: 635990

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.0	114.0
97	48.1	41.5	62.3
132	27.6	23.1	34.7



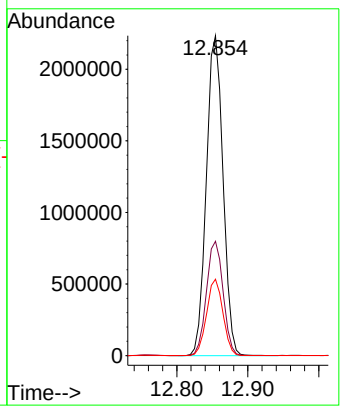


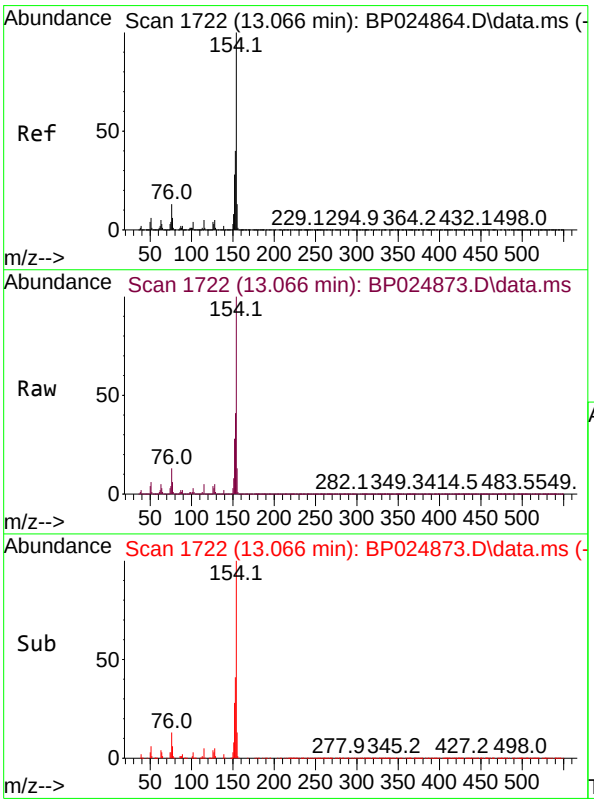
#45
2-Fluorobiphenyl
Concen: 77.914 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:172 Resp: 3633814

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.9	19.0	28.4

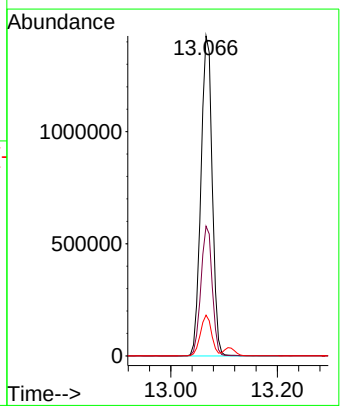


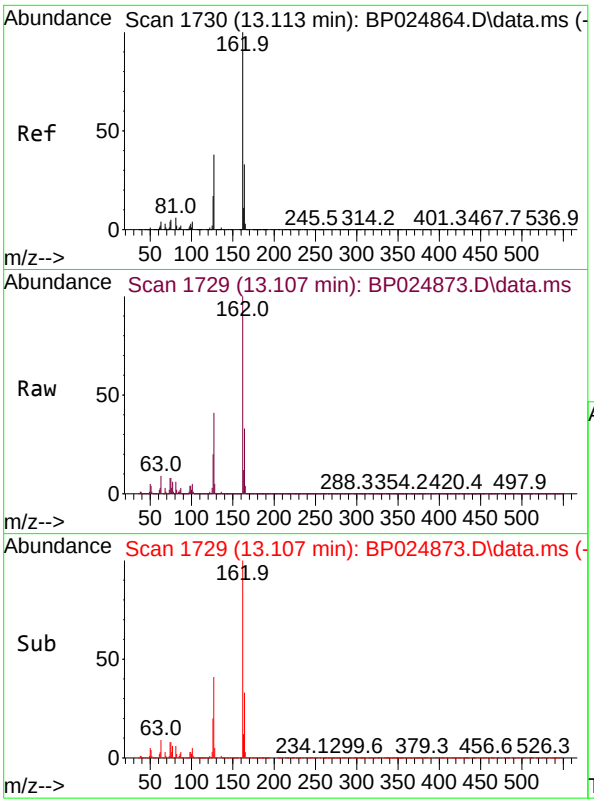


#46
1,1'-Biphenyl
Concen: 45.844 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:154 Resp: 2093200

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	12.7	0.0	33.0



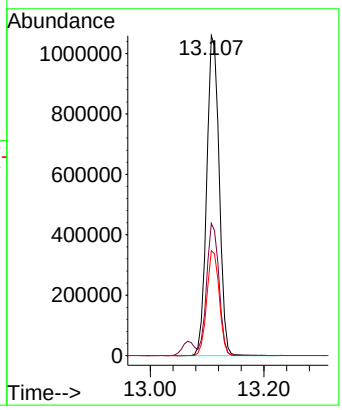


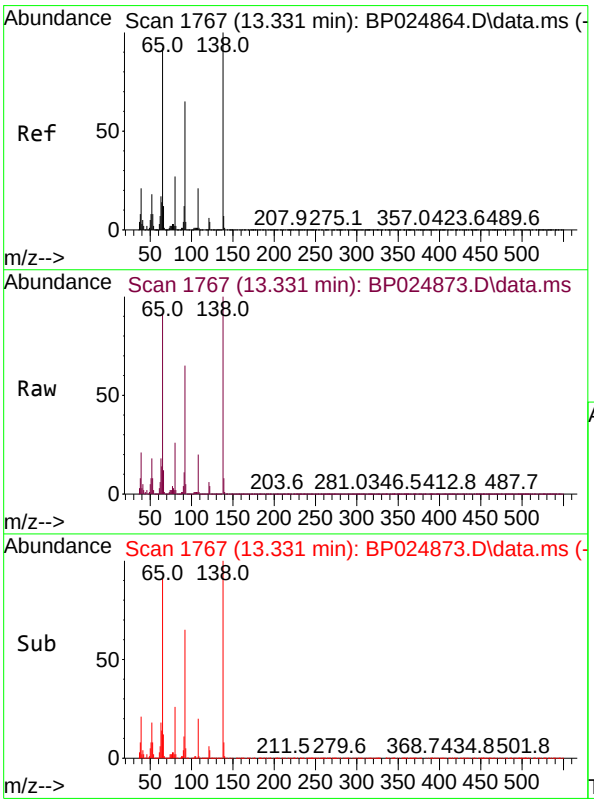
#47
2-Chloronaphthalene
Concen: 46.187 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:162 Resp: 1620819

Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.5	48.7
164	32.8	26.2	39.2

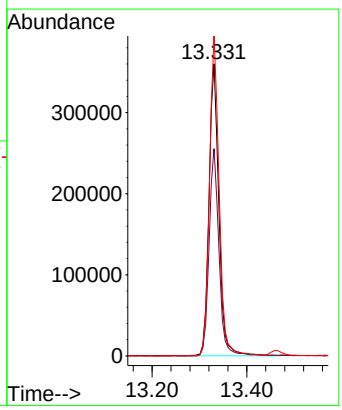


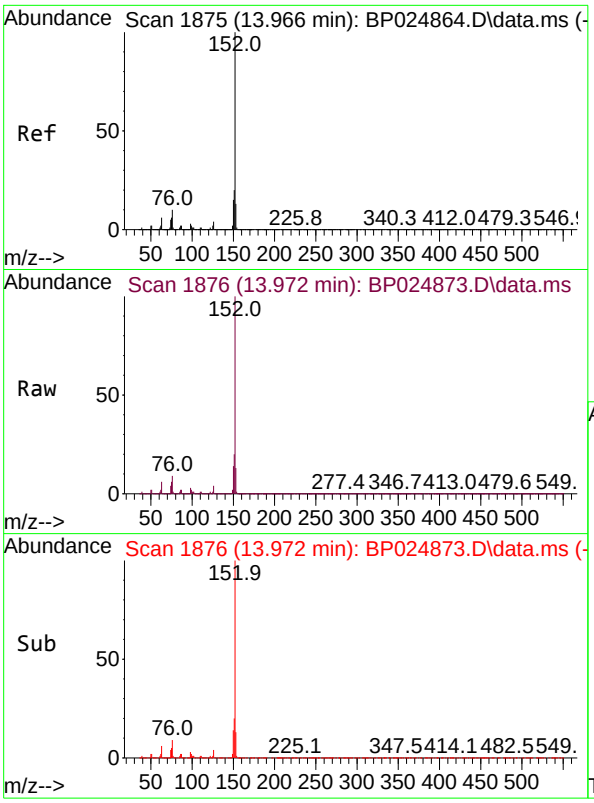


#48
2-Nitroaniline
Concen: 48.295 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 65 Resp: 521042

Ion	Ratio	Lower	Upper
65	100		
92	71.0	56.8	85.2
138	109.5	86.9	130.3



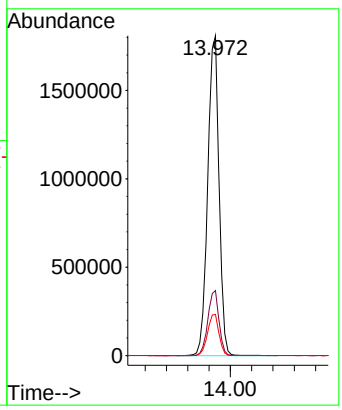


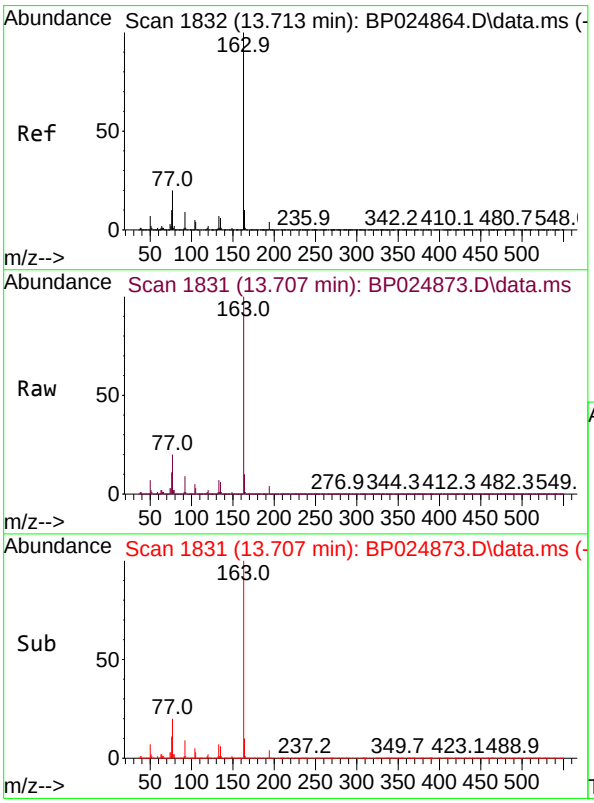
#49
Acenaphthylene
Concen: 45.478 ng
RT: 13.972 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:152 Resp: 2661012

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	12.9	10.6	15.8

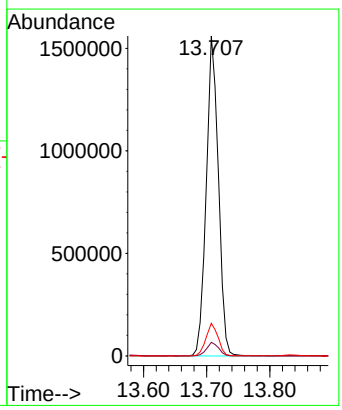


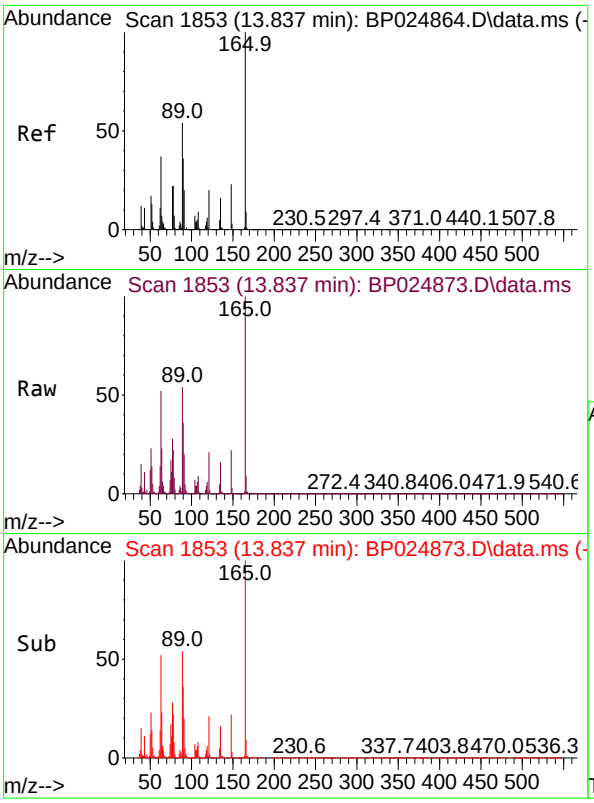


#50
Dimethylphthalate
Concen: 44.824 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:163 Resp: 2077480

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.0	12.0



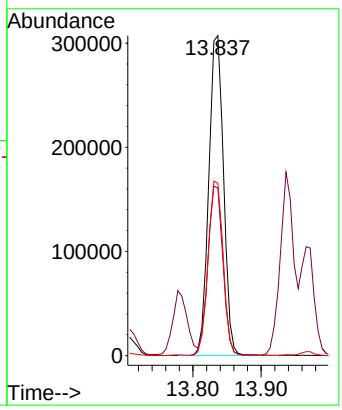


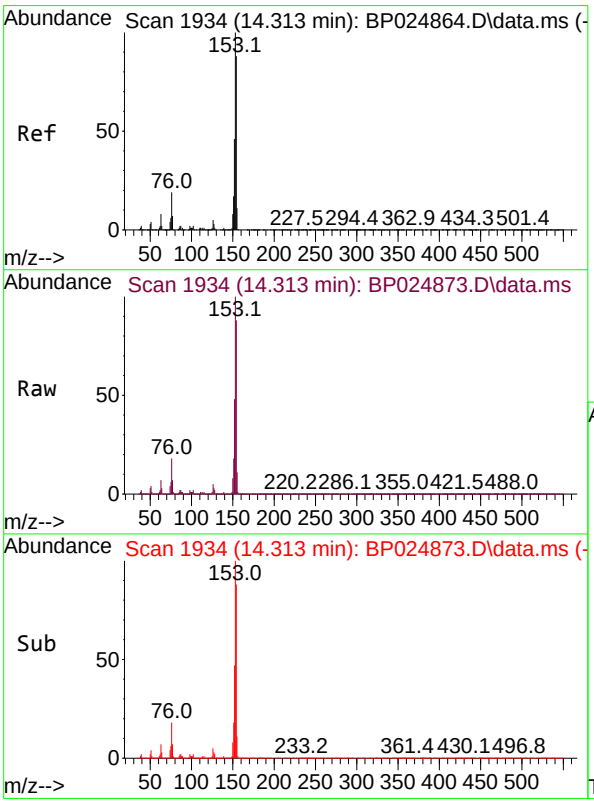
#51
2,6-Dinitrotoluene
Concen: 46.153 ng
RT: 13.837 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:165 Resp: 461134

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.8	62.8
89	53.8	43.1	64.7

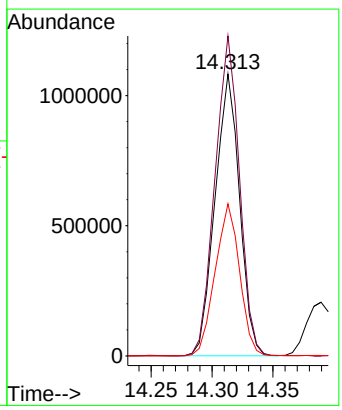


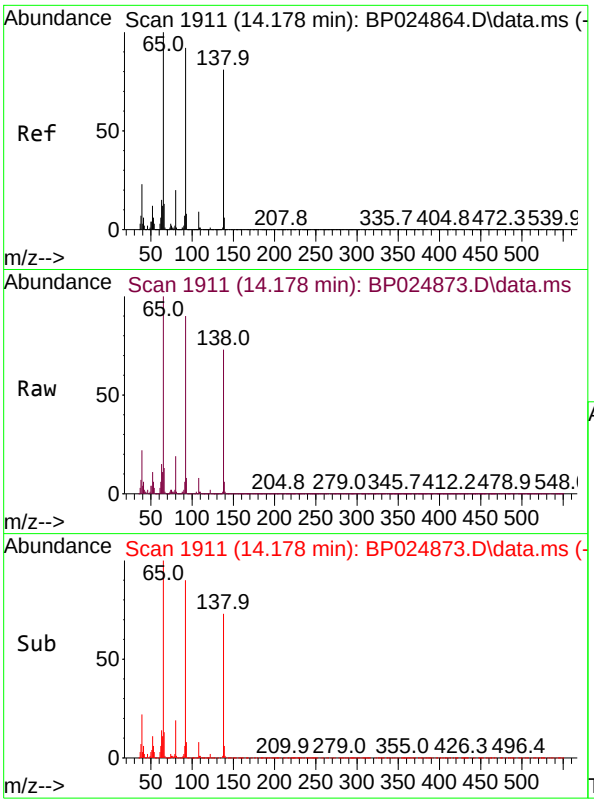


#52
Acenaphthene
Concen: 45.227 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:154 Resp: 1516438

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.5	135.7
152	54.0	42.1	63.1



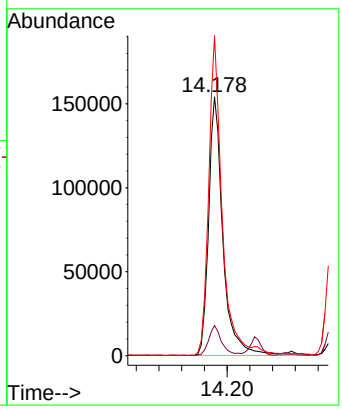


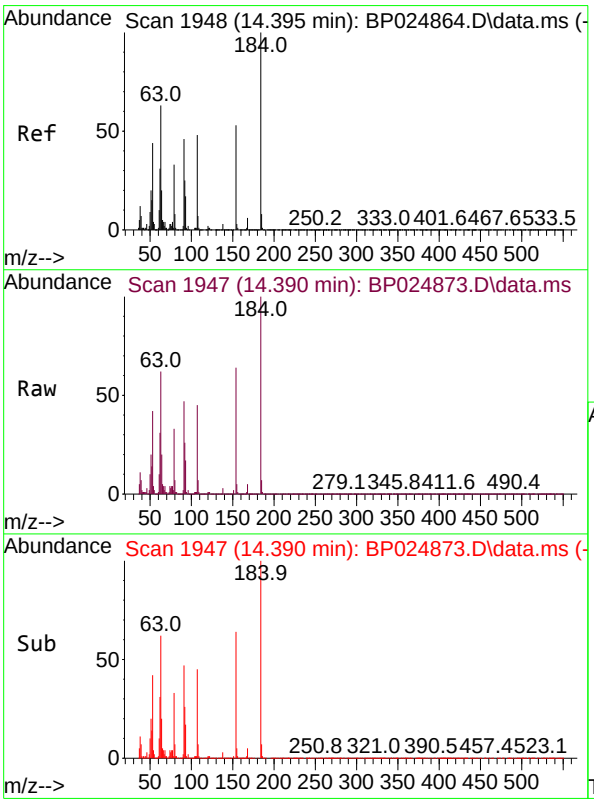
#53
3-Nitroaniline
Concen: 25.855 ng
RT: 14.178 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:138 Resp: 268082

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.6	12.8
92	123.7	91.3	136.9

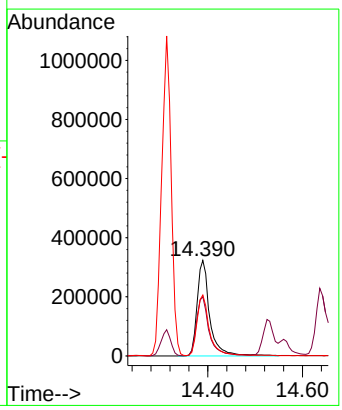


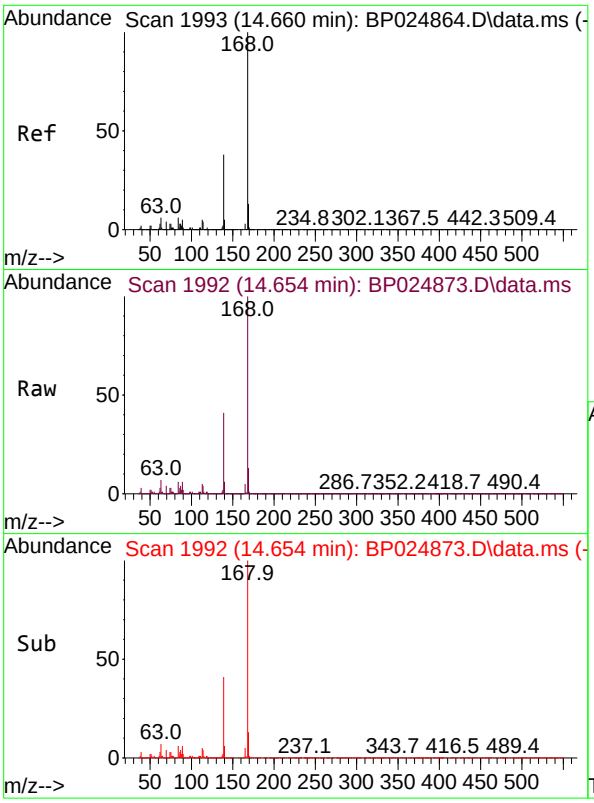


#54
2,4-Dinitrophenol
Concen: 90.641 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:184 Resp: 594890

Ion	Ratio	Lower	Upper
184	100		
63	61.9	51.0	76.4
154	63.9	51.7	77.5



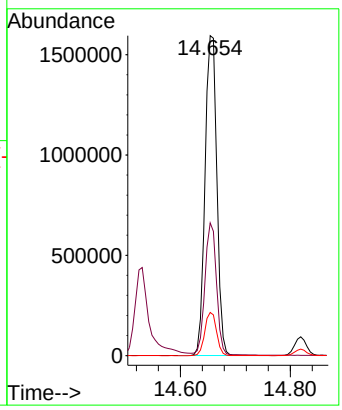


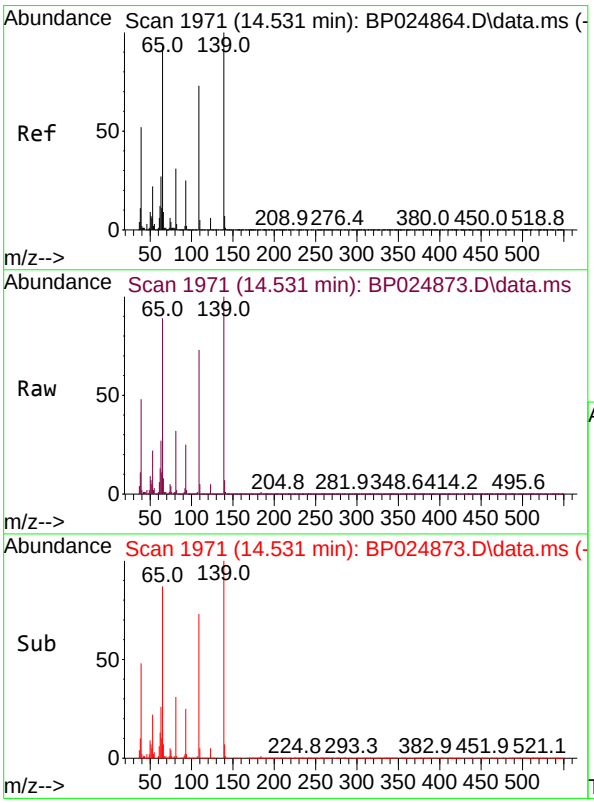
#55
Dibenzofuran
Concen: 44.250 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:168 Resp: 2381540

Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.6	47.4
169	13.5	10.6	15.8

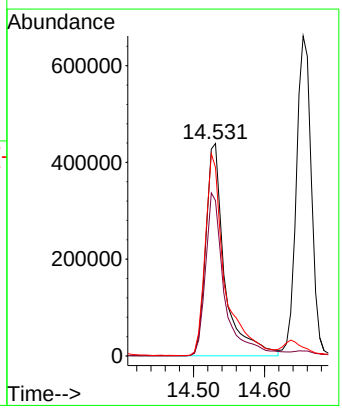


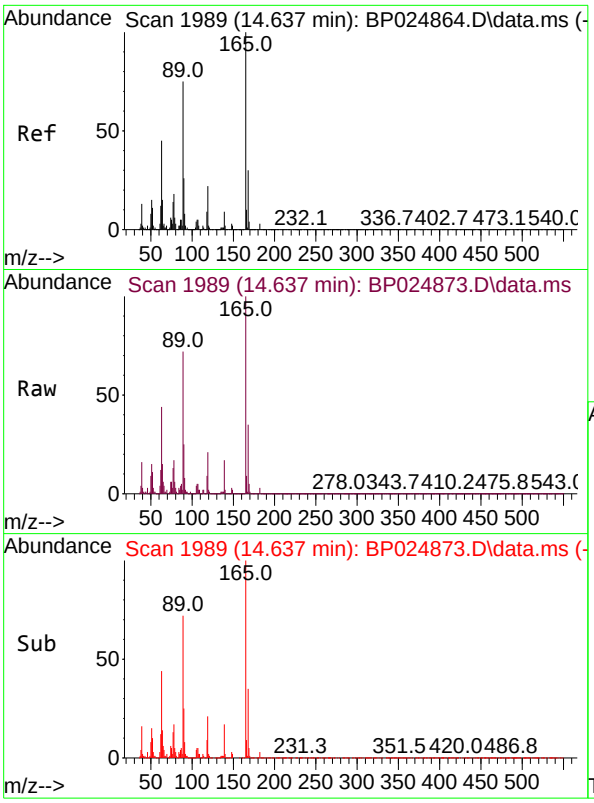


#56
4-Nitrophenol
Concen: 91.350 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:139 Resp: 809101

Ion	Ratio	Lower	Upper
139	100		
109	73.1	53.1	93.1
65	88.7	73.0	113.0



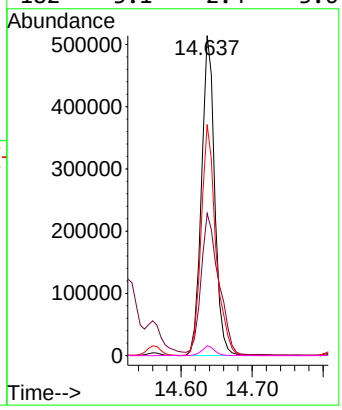


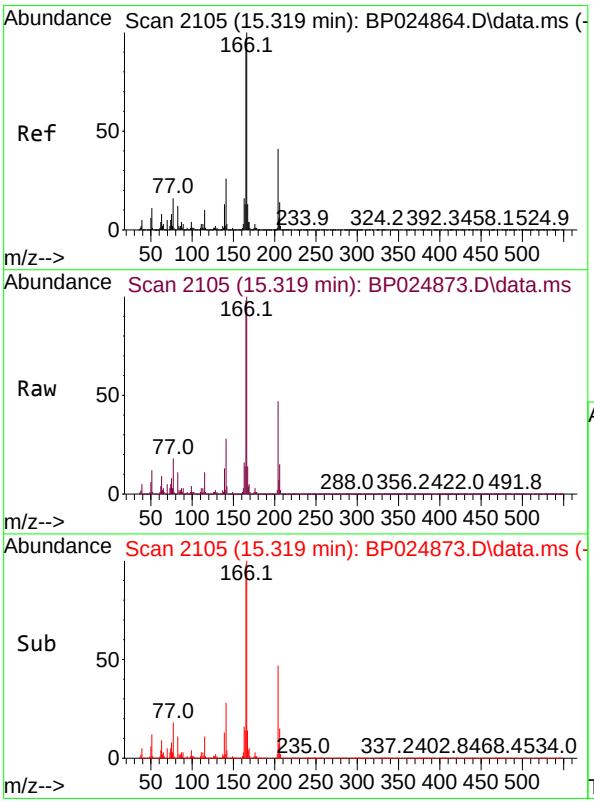
#57
2,4-Dinitrotoluene
Concen: 46.983 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:165 Resp: 656655

Ion	Ratio	Lower	Upper
165	100		
63	44.4	37.0	55.6
89	72.2	60.1	90.1
182	3.1	2.4	3.6

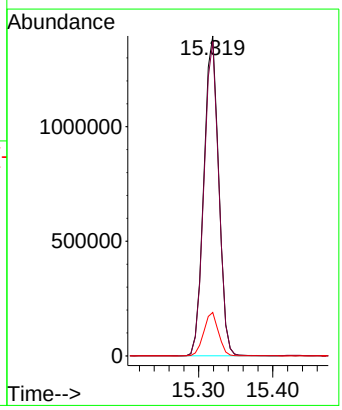


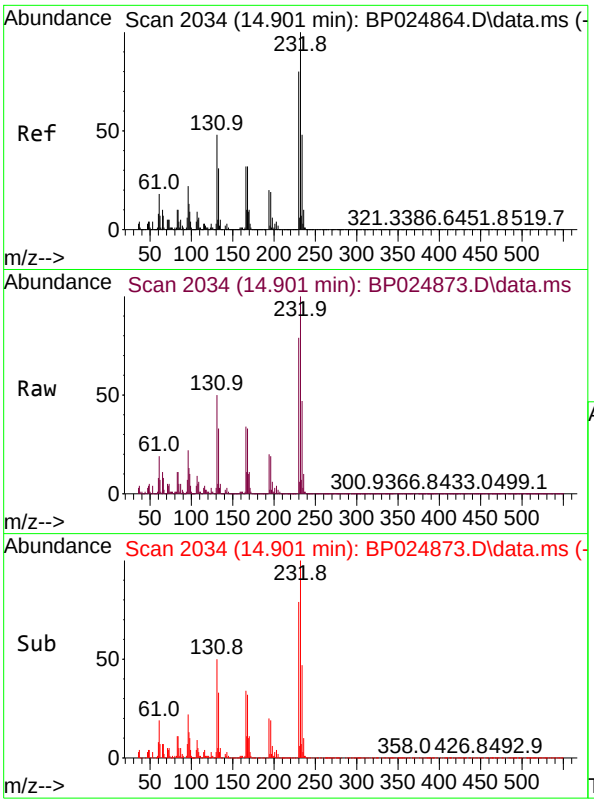


#58
Fluorene
Concen: 44.681 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:166 Resp: 1942620

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.7	116.5
167	13.6	10.6	16.0



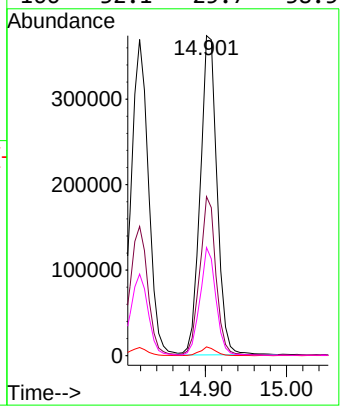


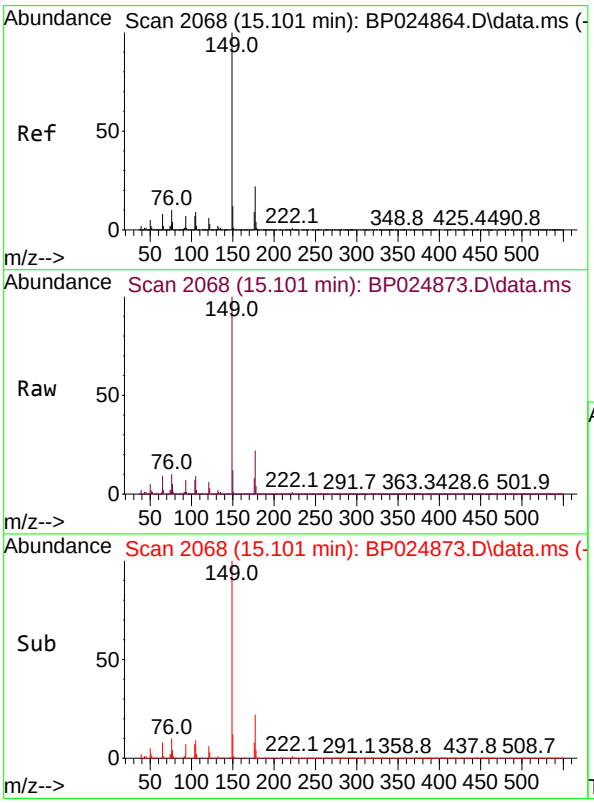
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.912 ng
RT: 14.901 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:232 Resp: 537424

Ion	Ratio	Lower	Upper
232	100		
131	47.8	38.2	57.2
130	2.5	2.1	3.1
166	32.1	25.7	38.5

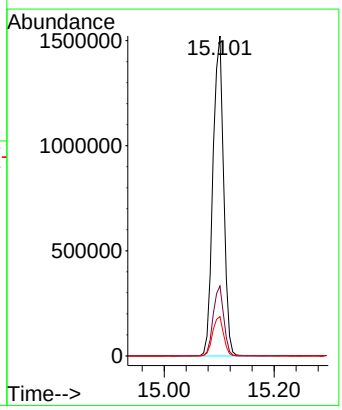


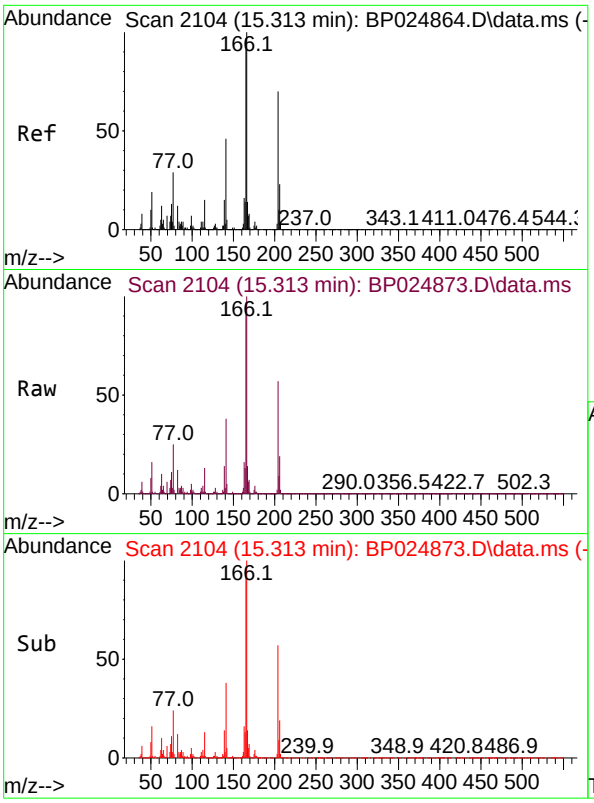


#60
Diethylphthalate
Concen: 44.293 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 2045901

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.9	26.9
150	12.3	9.8	14.6



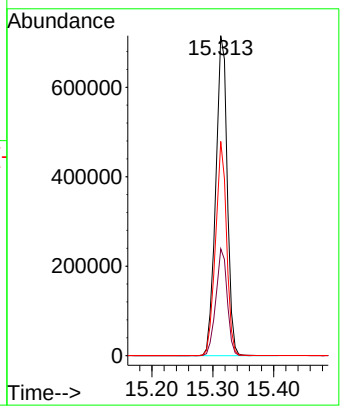


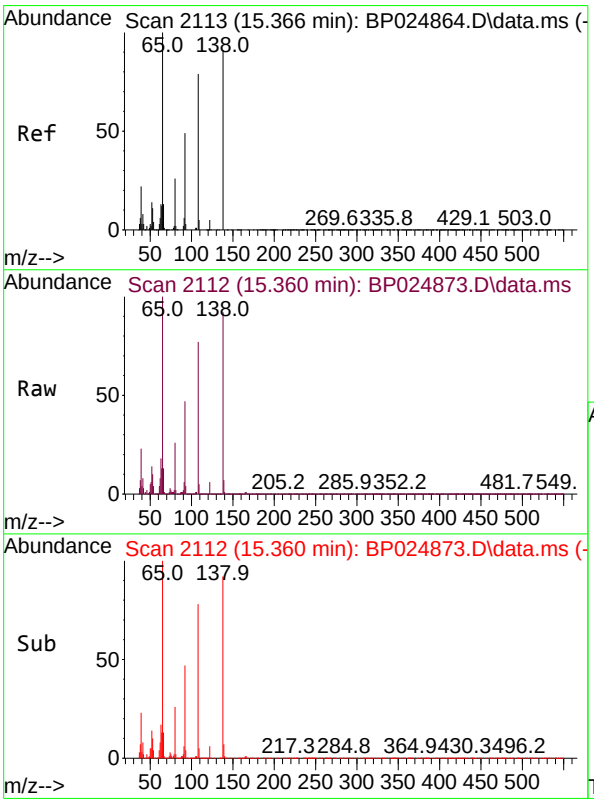
#61
4-Chlorophenyl-phenylether
Concen: 44.135 ng
RT: 15.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:204 Resp: 938236

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	66.9	52.4	78.6

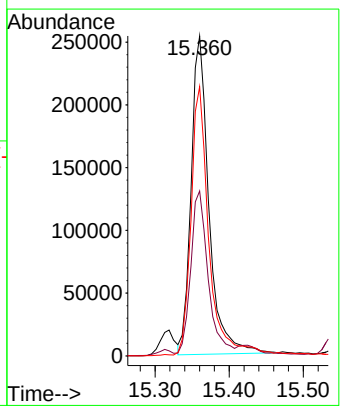


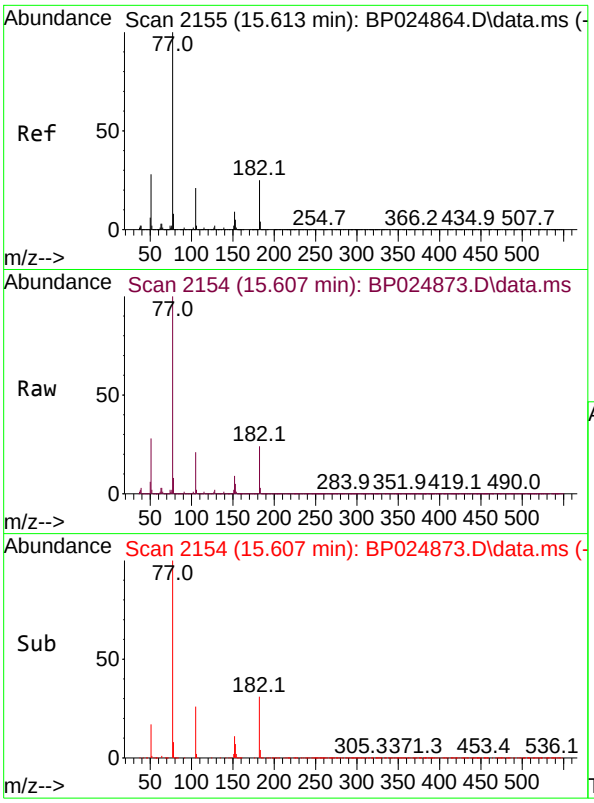


#62
4-Nitroaniline
Concen: 45.113 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:138 Resp: 424134

Ion	Ratio	Lower	Upper
138	100		
92	51.5	33.5	73.5
108	84.1	65.1	105.1



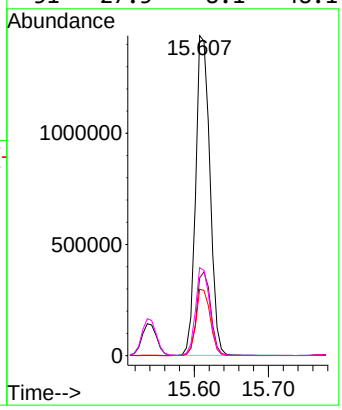


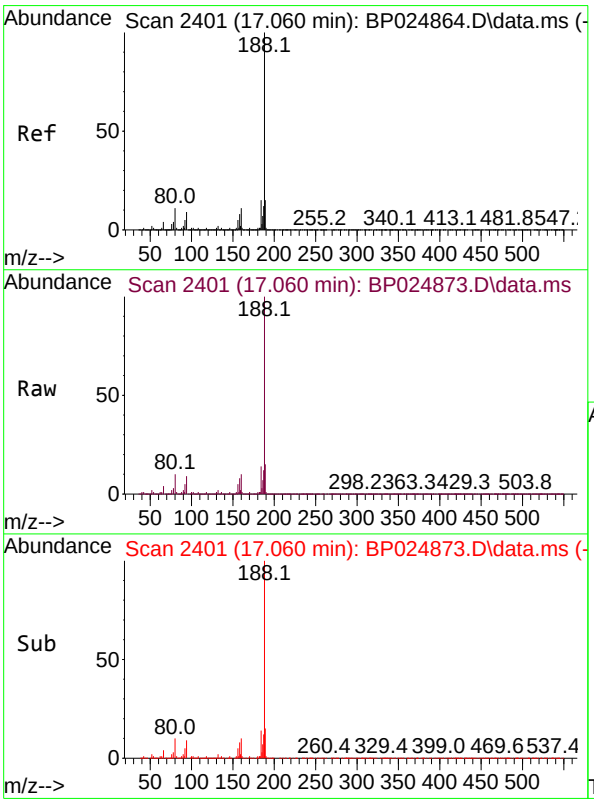
#63
Azobenzene
Concen: 45.227 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 77 Resp: 1915956

Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.4	45.4
105	20.7	0.8	40.8
51	27.5	8.1	48.1

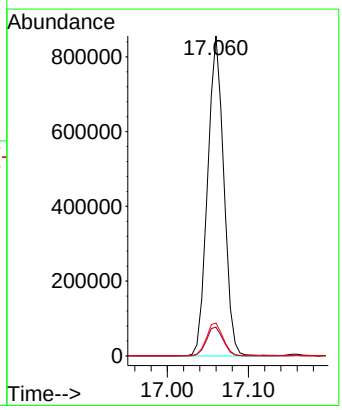


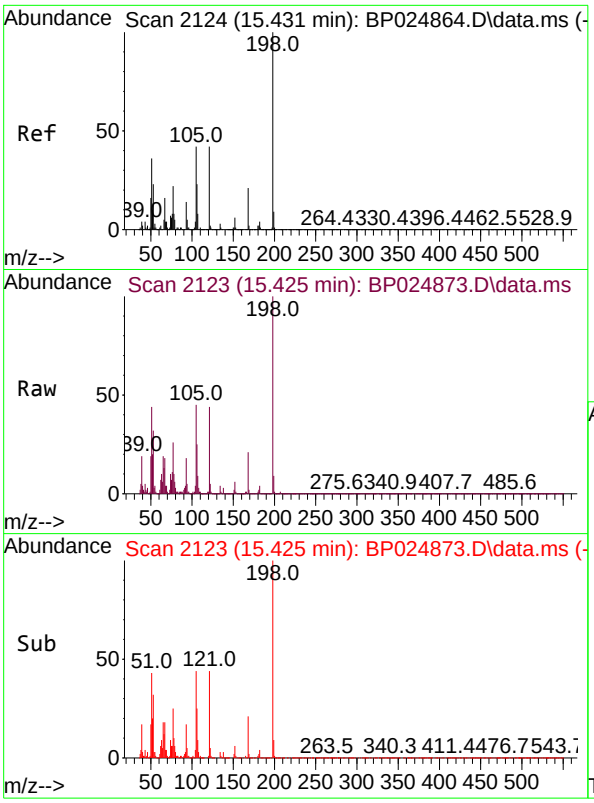


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:188 Resp: 1189376

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.3	8.5	12.7



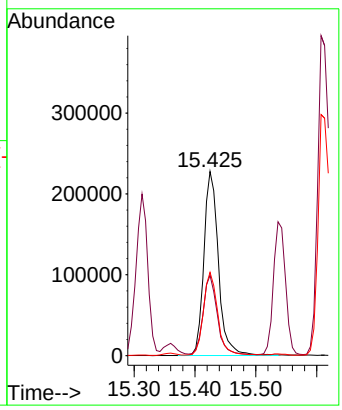


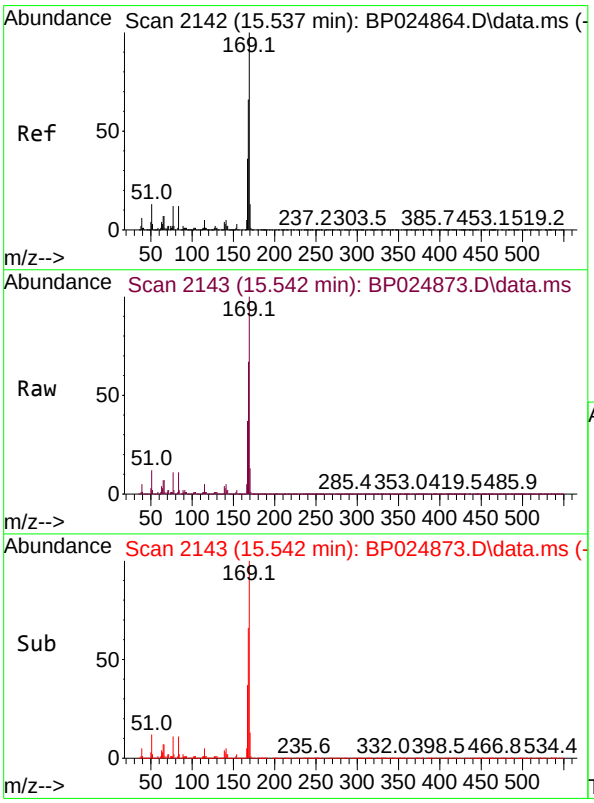
#65
4,6-Dinitro-2-methylphenol
Concen: 48.450 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:198 Resp: 378653

Ion	Ratio	Lower	Upper
198	100		
51	43.6	19.2	59.2
105	45.2	22.6	62.6

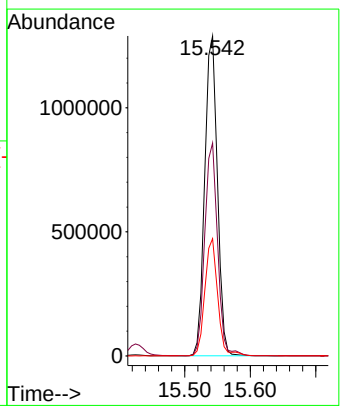


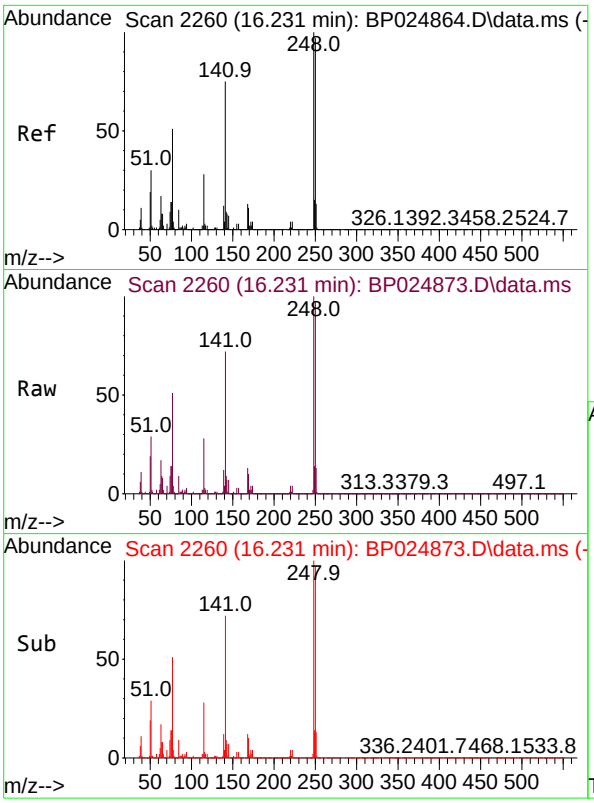


#66
n-Nitrosodiphenylamine
Concen: 46.833 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:169 Resp: 1726506

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.6	28.6	43.0



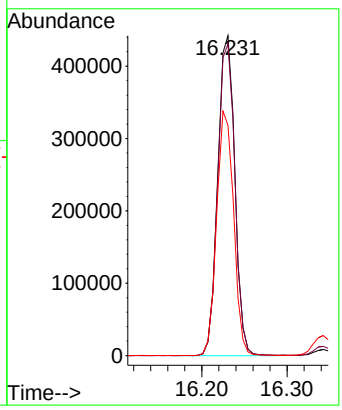


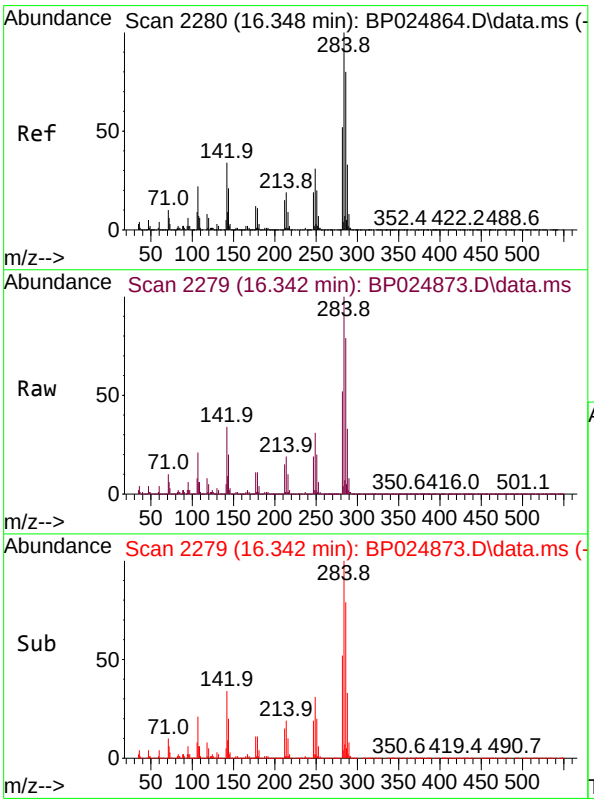
#67
4-Bromophenyl-phenylether
Concen: 45.760 ng
RT: 16.231 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:248 Resp: 614107

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.4	116.2
141	72.0	59.9	89.9

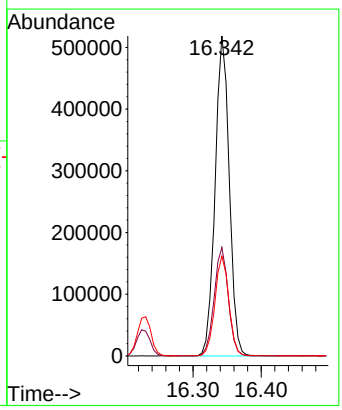


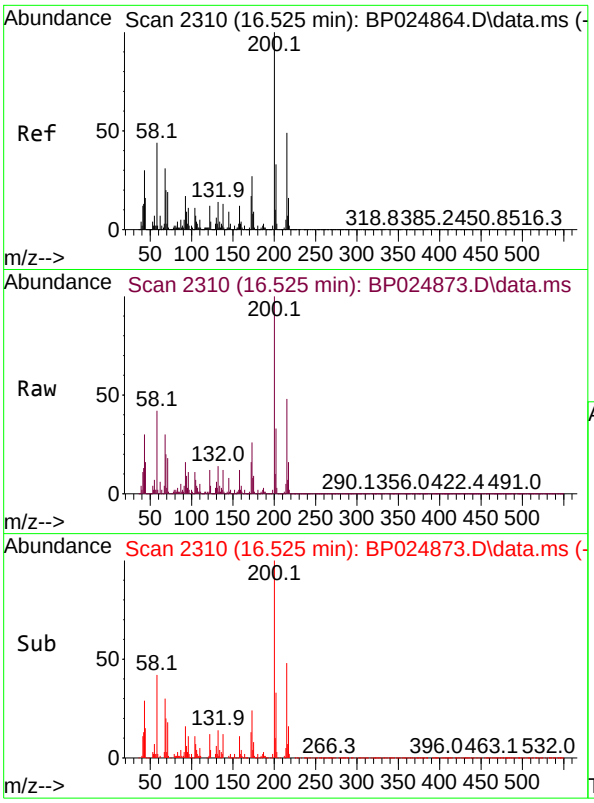


#68
Hexachlorobenzene
Concen: 45.626 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:284 Resp: 742281

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.0	40.6
249	31.2	25.0	37.6



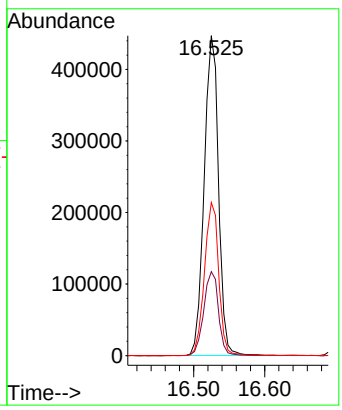


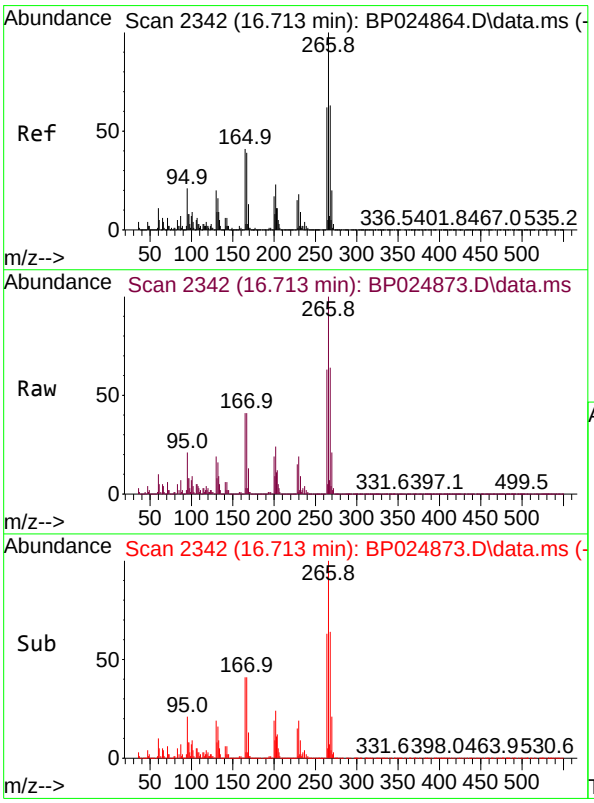
#69
Atrazine
Concen: 46.732 ng
RT: 16.525 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:200 Resp: 624545

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.9	46.9
215	47.8	28.7	68.7

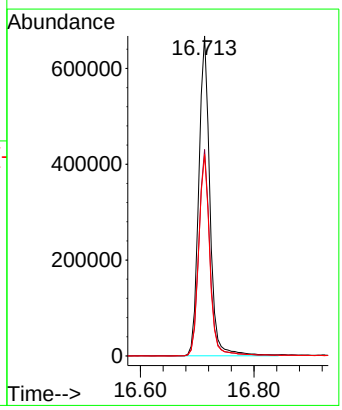


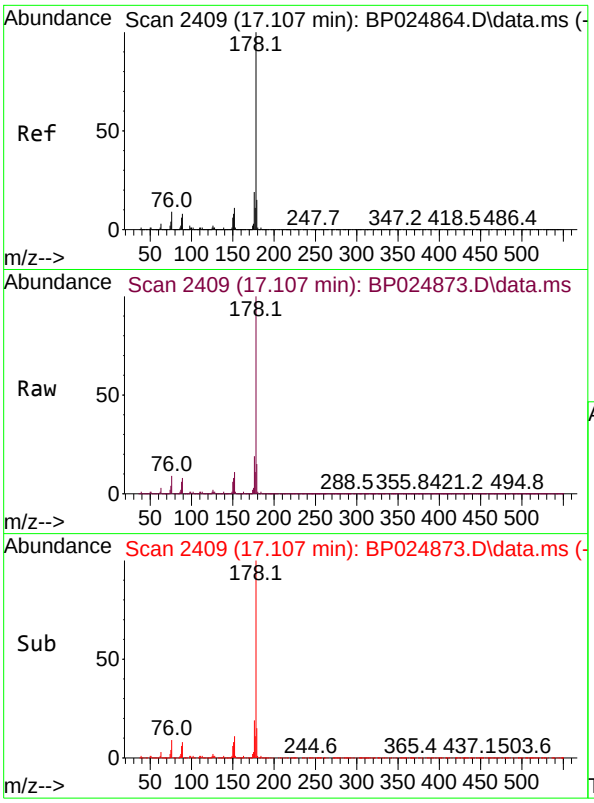


#70
Pentachlorophenol
Concen: 107.544 ng
RT: 16.713 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:266 Resp: 905521

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.6	76.0
264	63.0	49.7	74.5



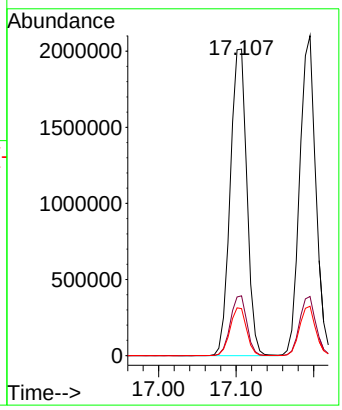


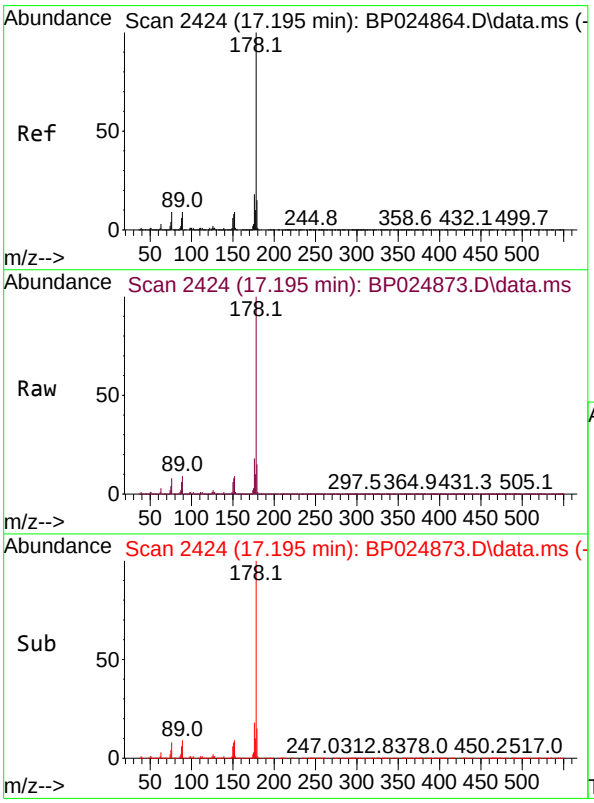
#71
Phenanthrene
Concen: 45.769 ng
RT: 17.107 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:178 Resp: 3008256

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.3	12.1	18.1

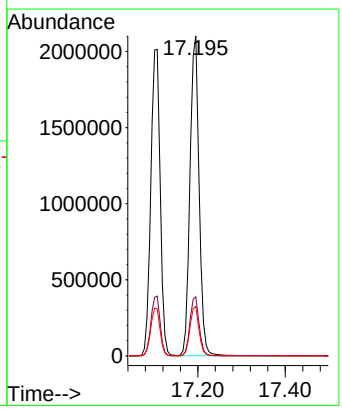


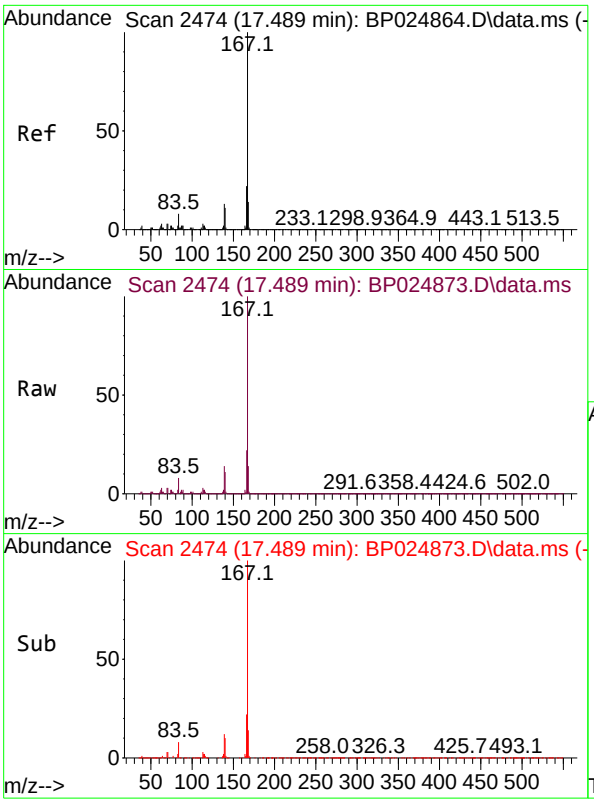


#72
Anthracene
Concen: 46.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:178 Resp: 3062015

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.3	18.5



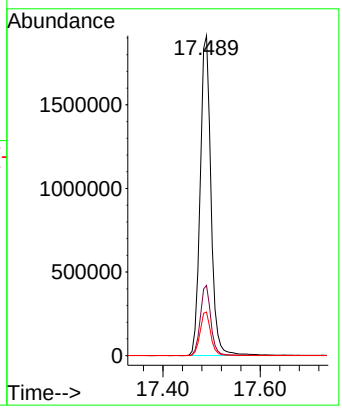


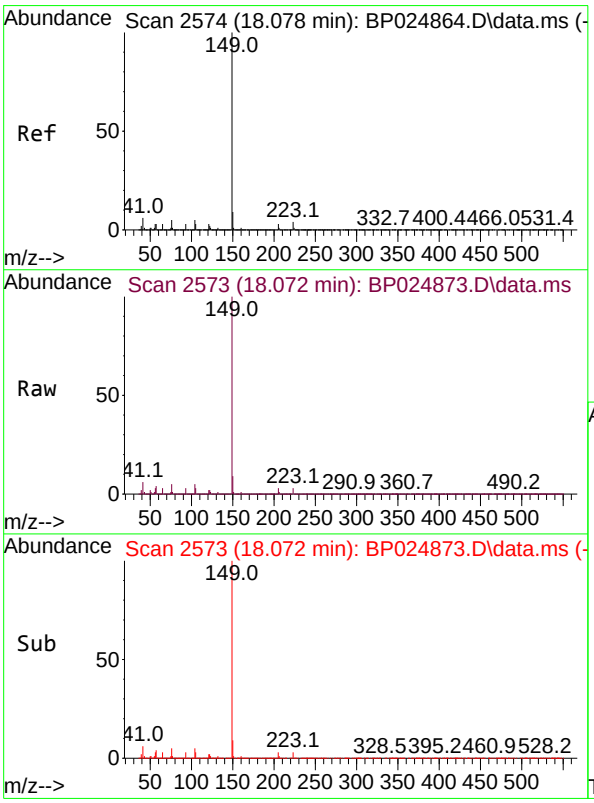
#73
Carbazole
Concen: 47.362 ng
RT: 17.489 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:167 Resp: 2922226

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.6	10.8	16.2

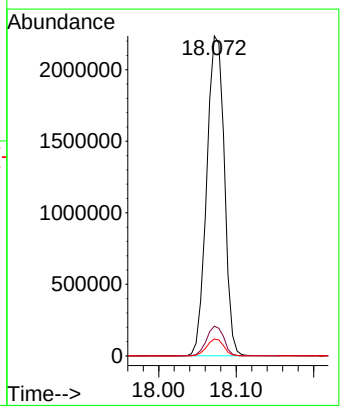


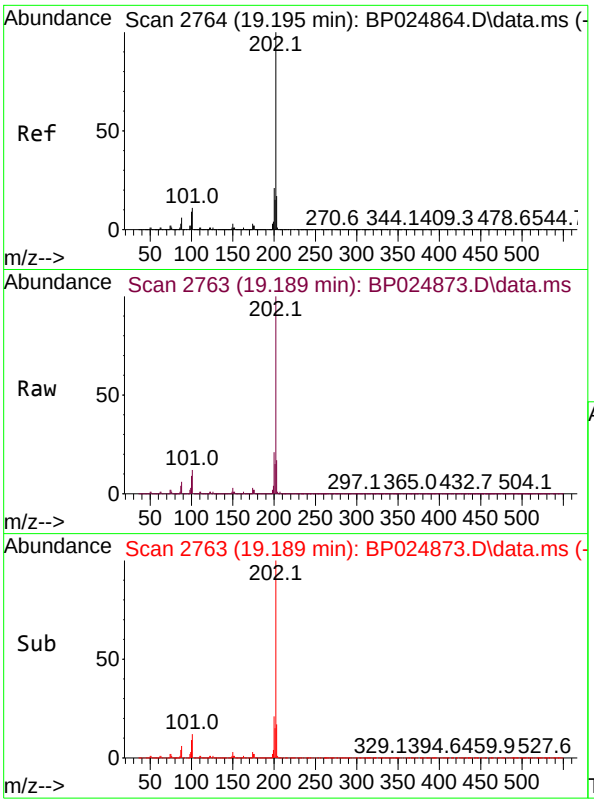


#74
Di-n-butylphthalate
Concen: 46.080 ng
RT: 18.072 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 3522628

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	4.2	6.2



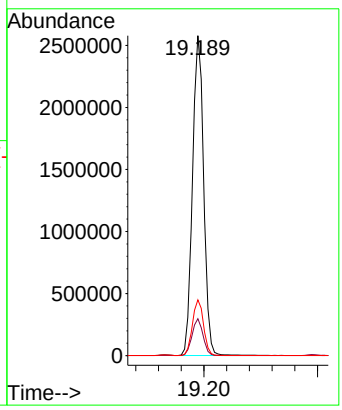


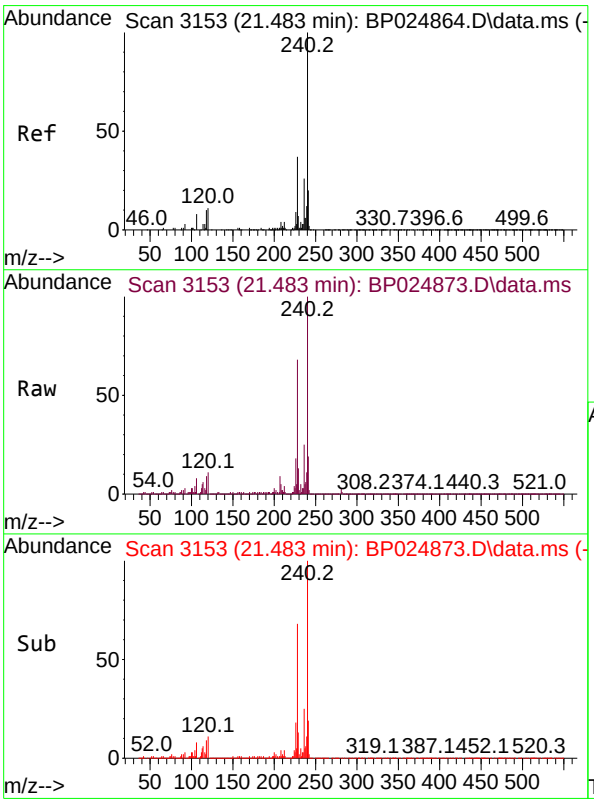
#75
Fluoranthene
Concen: 45.886 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:202 Resp: 3495628

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.4	0.0	37.5

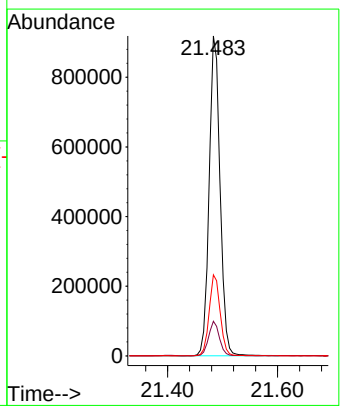


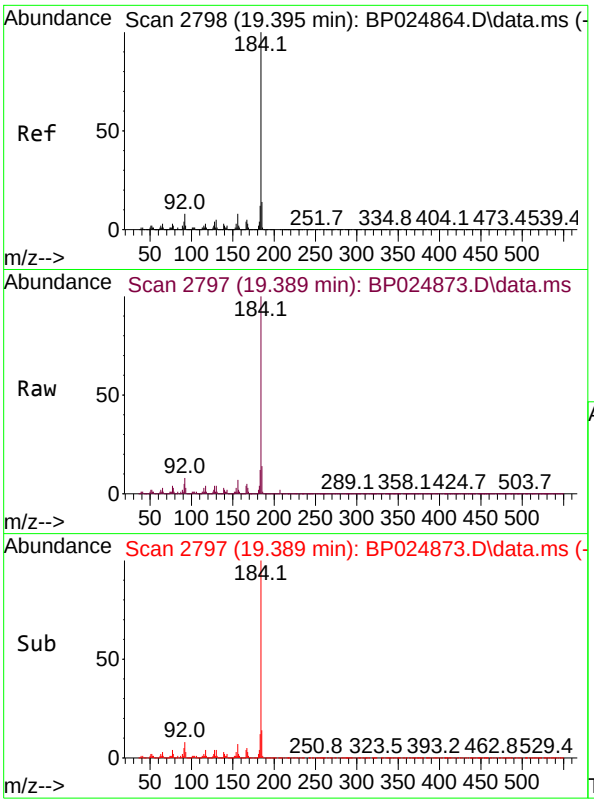


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:240 Resp: 1268867

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.3	20.9	31.3



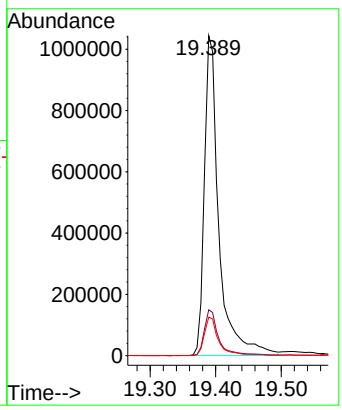


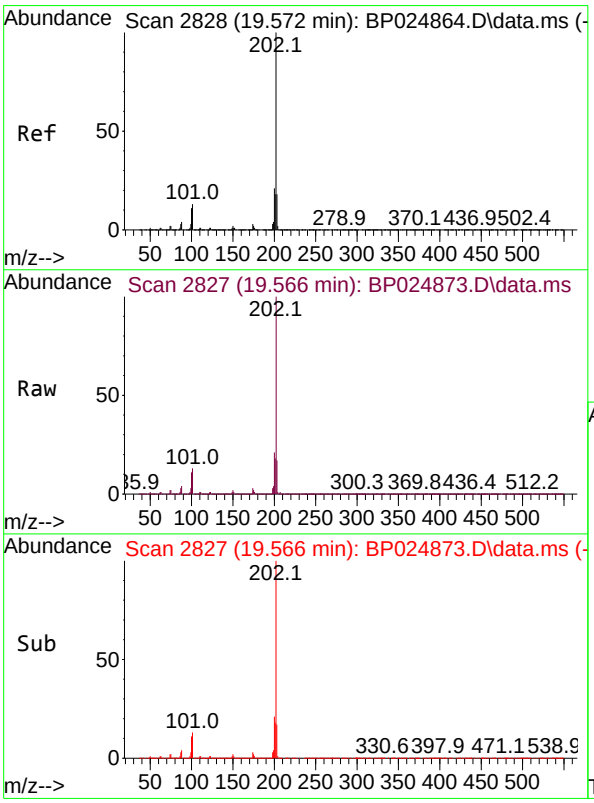
#77
Benzidine
Concen: 40.763 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:184 Resp: 1601949

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	12.0	9.5	14.3

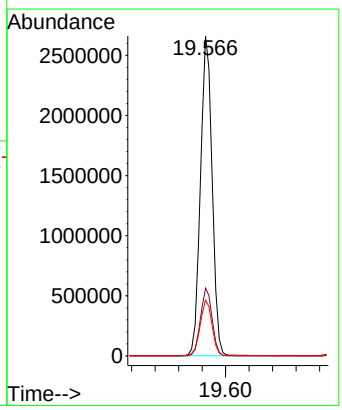


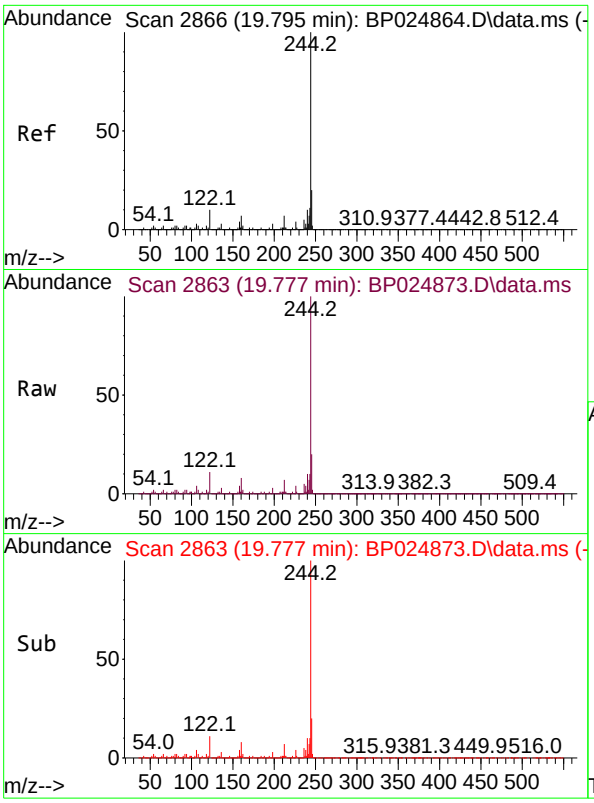


#78
Pyrene
Concen: 46.249 ng
RT: 19.566 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:202 Resp: 3666214

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.4	14.0	21.0



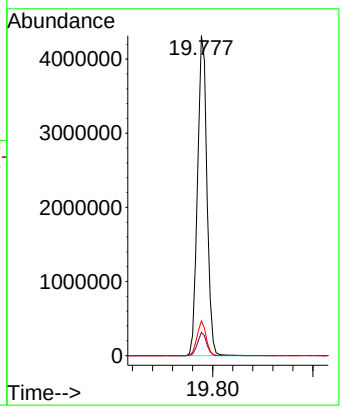


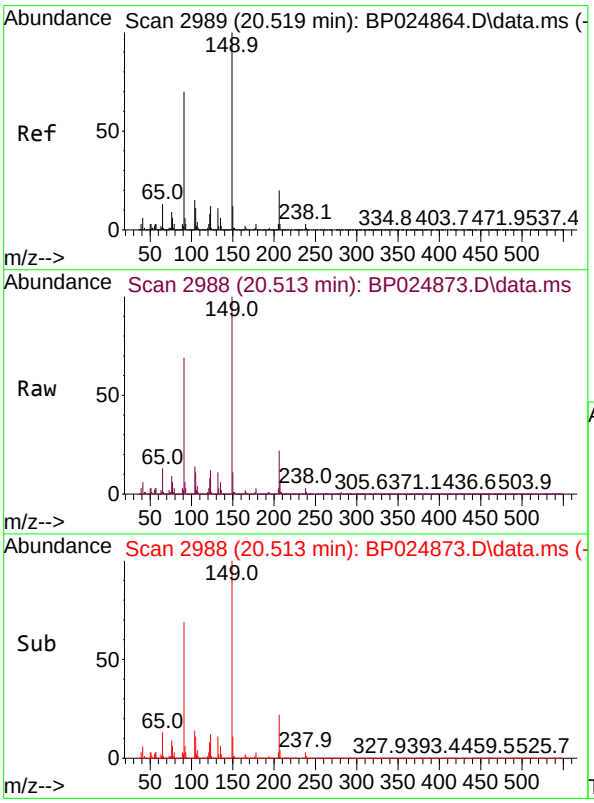
#79
Terphenyl-d14
Concen: 79.230 ng
RT: 19.777 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:244 Resp: 5609281

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.9	7.7	11.5

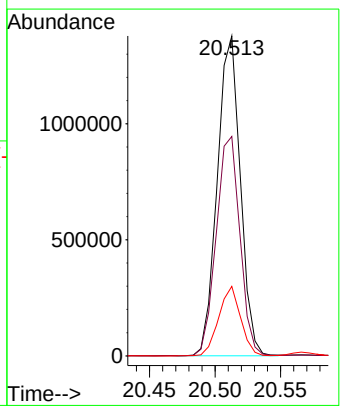


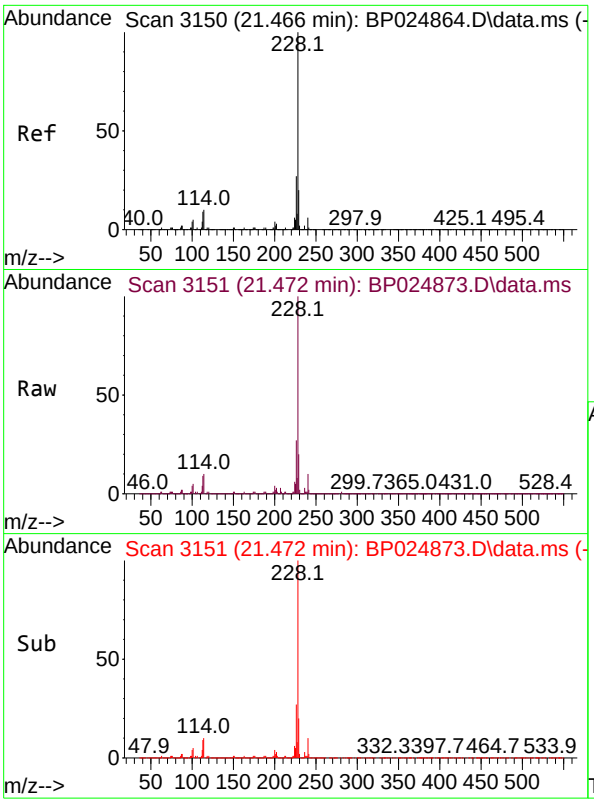


#80
Butylbenzylphthalate
Concen: 46.444 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 1686399

Ion	Ratio	Lower	Upper
149	100		
91	68.6	55.8	83.8
206	21.7	16.2	24.2



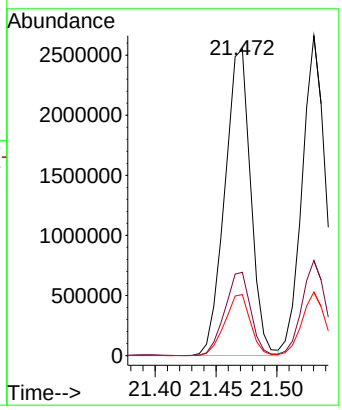


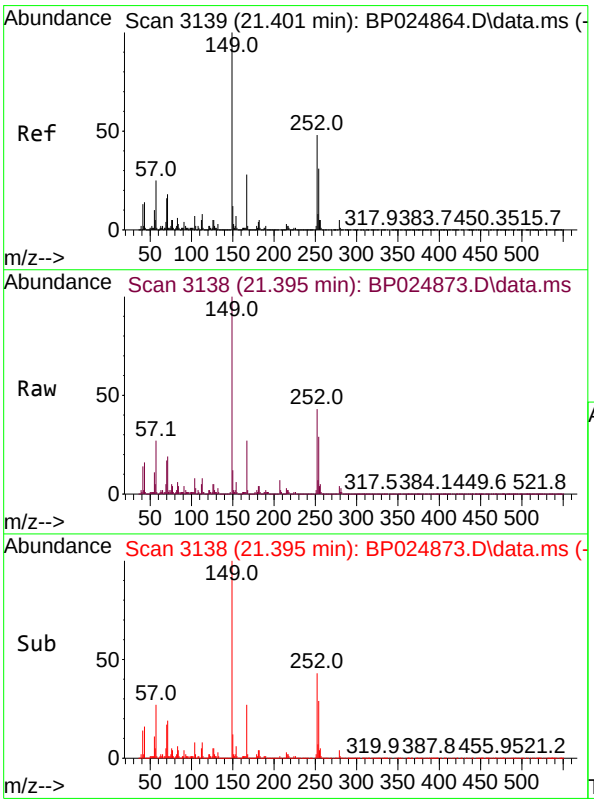
#81
Benzo(a)anthracene
Concen: 46.589 ng
RT: 21.472 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:228 Resp: 3780920

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.9	15.9	23.9

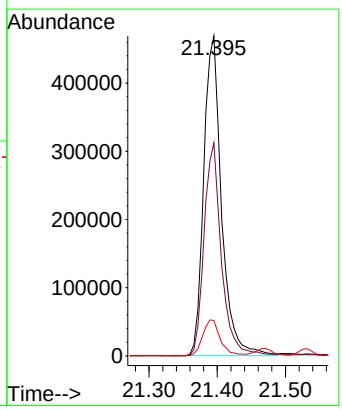


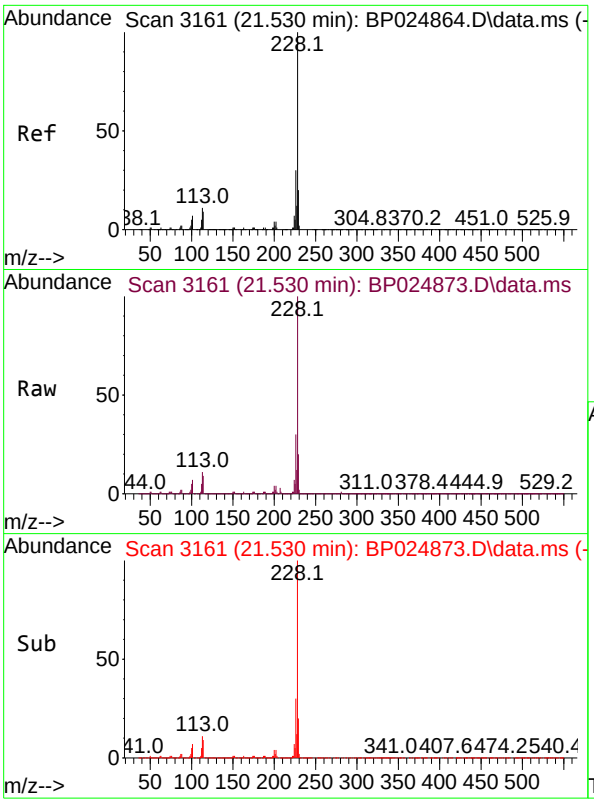


#82
3,3'-Dichlorobenzidine
Concen: 26.391 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 850267

Ion	Ratio	Lower	Upper
252	100		
254	66.6	51.2	76.8
126	11.1	8.6	12.8



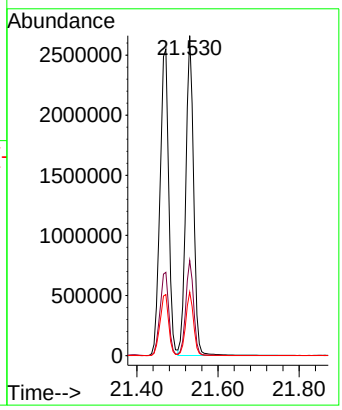


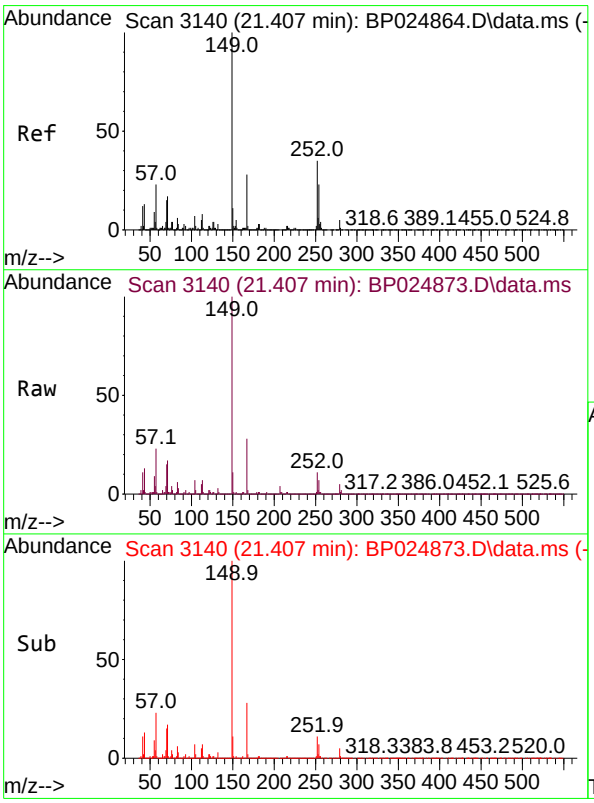
#83
Chrysene
Concen: 46.428 ng
RT: 21.530 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:228 Resp: 3570095

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.9	15.6	23.4

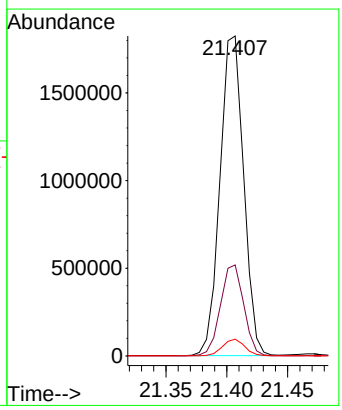


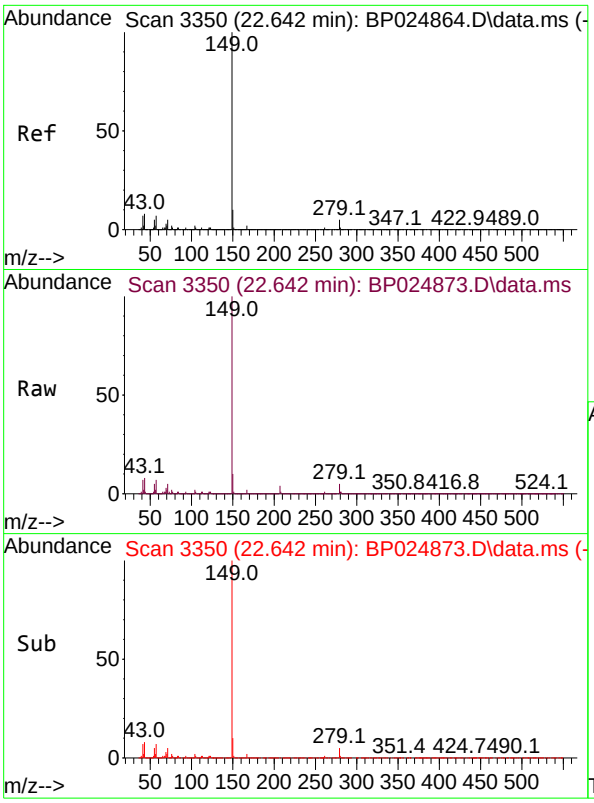


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.541 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 2473280

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.2	4.0	6.0



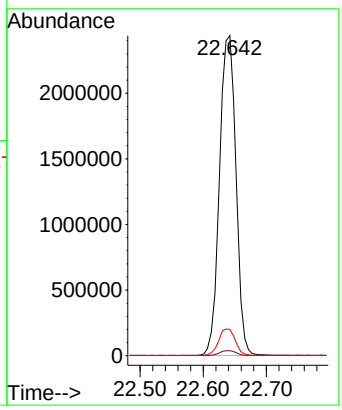


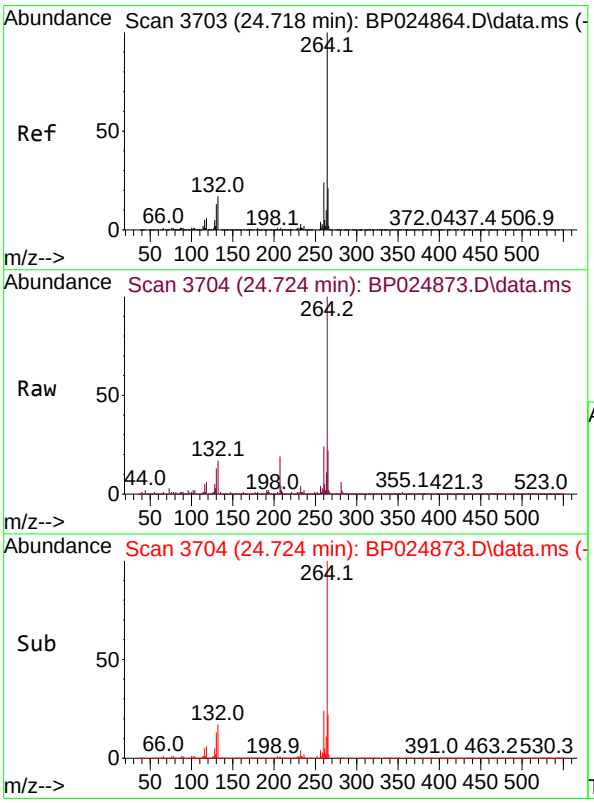
#85
Di-n-octyl phthalate
Concen: 48.117 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:149 Resp: 4412263

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0

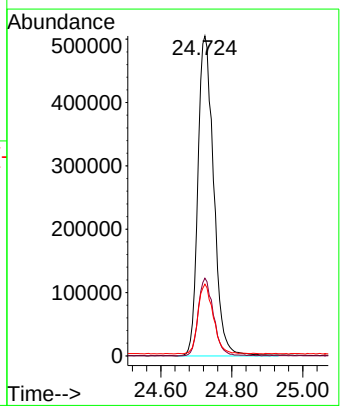


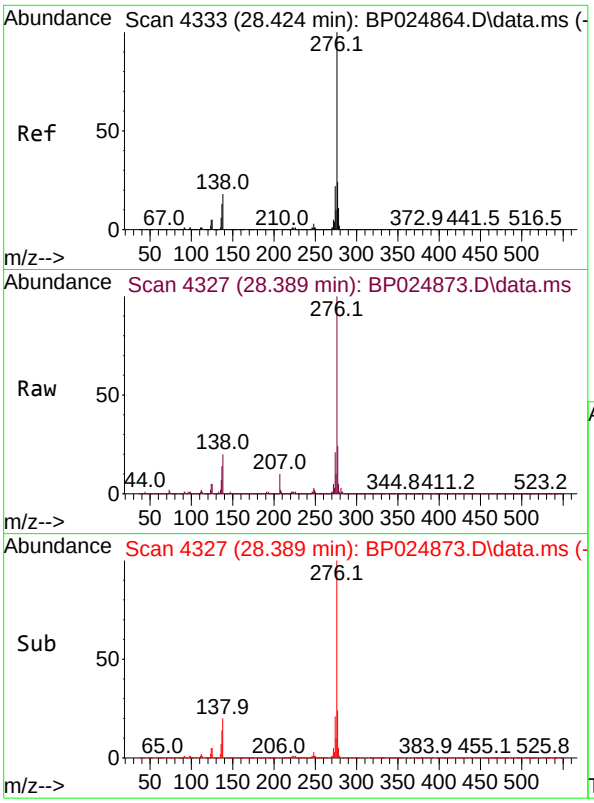


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:264 Resp: 1547954

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	22.4	17.4	26.0



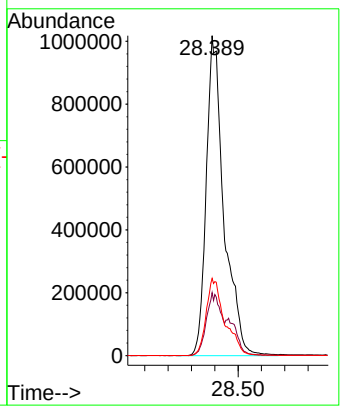


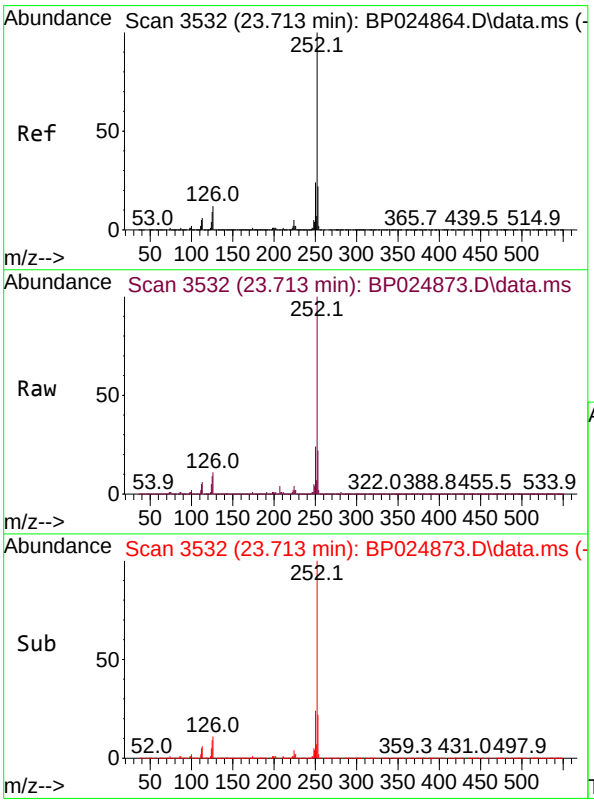
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.356 ng
RT: 28.389 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:276 Resp: 5348458

Ion	Ratio	Lower	Upper
276	100		
138	16.3	18.6	27.8#
277	25.4	20.2	30.4

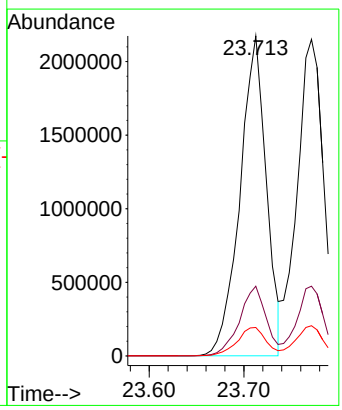


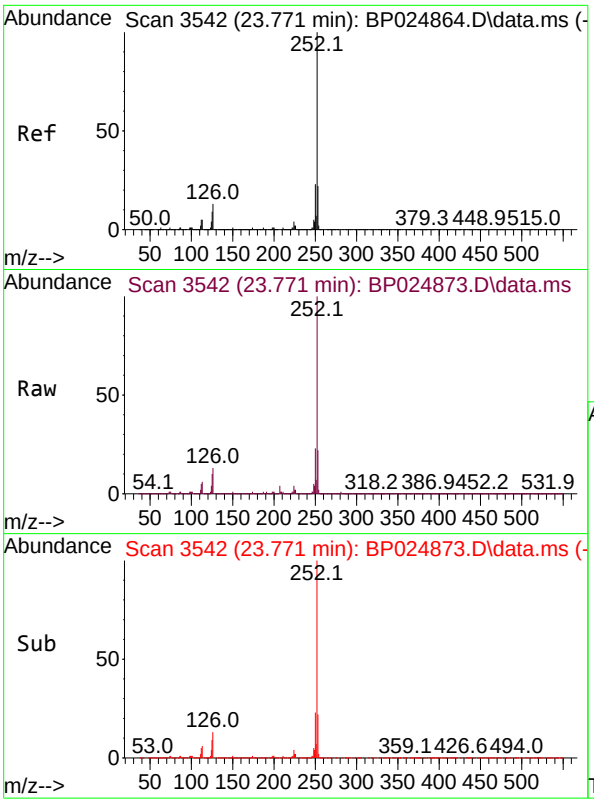


#88
Benzo(b)fluoranthene
Concen: 47.301 ng
RT: 23.713 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 4190360

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.9	7.1	10.7



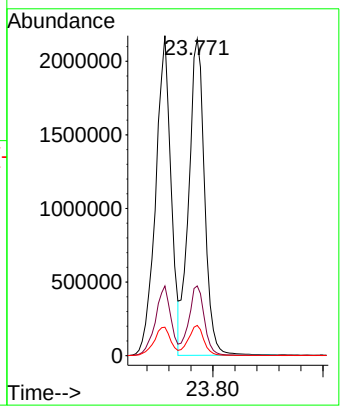


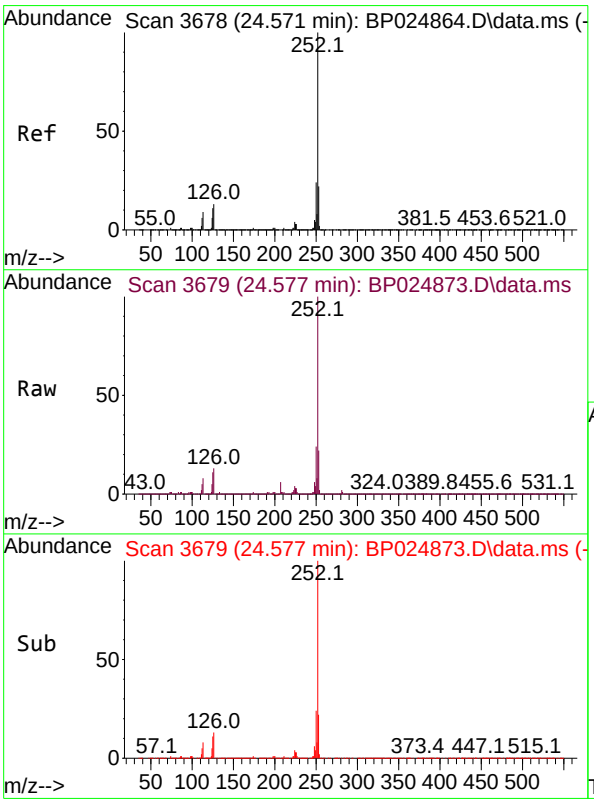
#89
Benzo(k)fluoranthene
Concen: 47.480 ng
RT: 23.771 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:252 Resp: 4281583

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.5	7.4	11.0

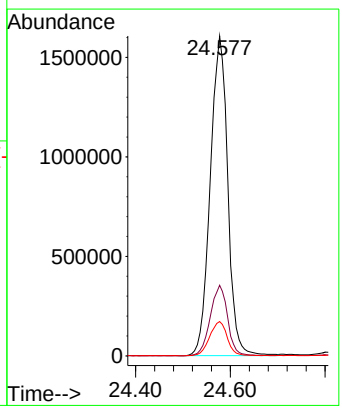


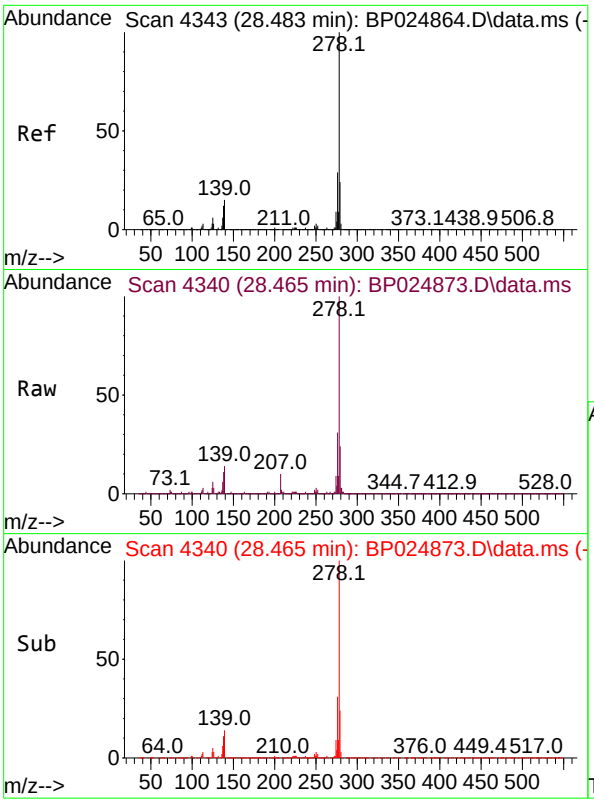


#90
Benzo(a)pyrene
Concen: 47.699 ng
RT: 24.577 min Scan# 3679
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 4126678

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.8	8.8	13.2



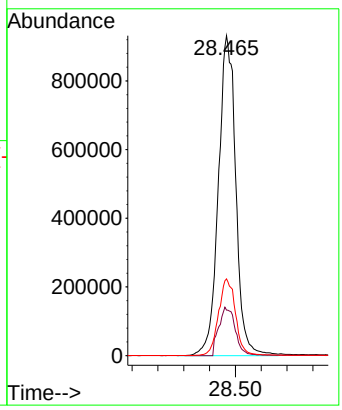


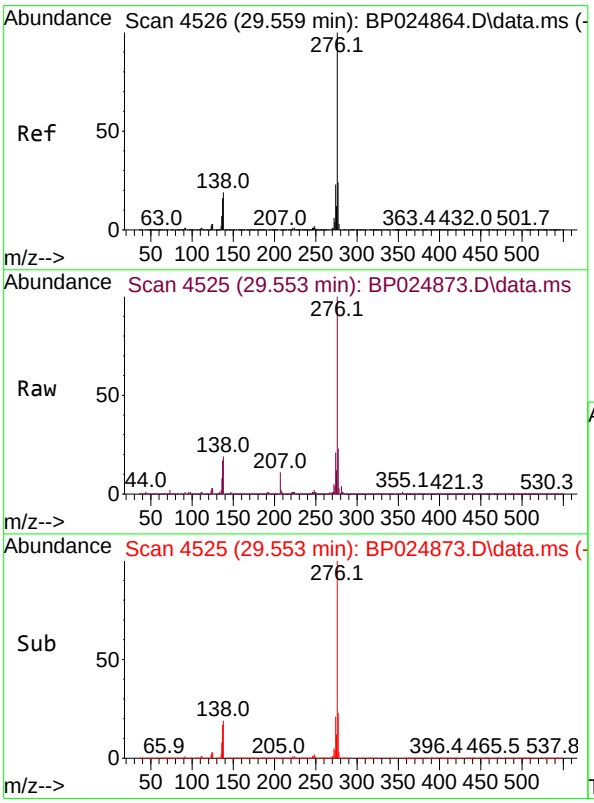
#91
Dibenzo(a,h)anthracene
Concen: 47.615 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:278 Resp: 4377382

Ion	Ratio	Lower	Upper
278	100		
139	14.2	12.0	18.0
279	24.0	19.1	28.7

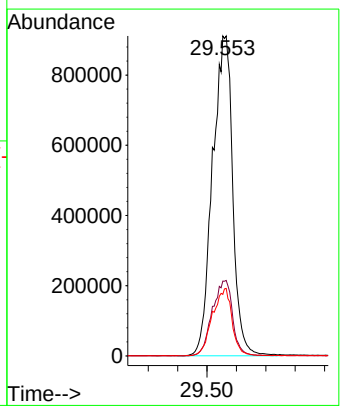




#92
Benzo(g,h,i)perylene
Concen: 47.614 ng
RT: 29.553 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:276 Resp: 4343110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	19.2	15.4	23.2



Raw Data: **BP024879.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	39.6		4.10	10.4	ug/L
108-95-2	Phenol	19.1		0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	51.3		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	45.5		0.60	5.20	ug/L
95-48-7	2-Methylphenol	38.6		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.9		1.30	5.20	ug/L
98-86-2	Acetophenone	55.9		0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	41.2		1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.4		1.50	2.60	ug/L
67-72-1	Hexachloroethane	24.9		0.68	5.20	ug/L
98-95-3	Nitrobenzene	54.9		0.79	5.20	ug/L
78-59-1	Isophorone	51.6		0.78	5.20	ug/L
88-75-5	2-Nitrophenol	52.7		1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	48.2		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.2		0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	53.0		0.54	5.20	ug/L
91-20-3	Naphthalene	42.7		0.52	5.20	ug/L
106-47-8	4-Chloroaniline	31.4		0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	28.9		0.56	5.20	ug/L
105-60-2	Caprolactam	11.7		1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	50.6		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	48.7		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	62.8		3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	55.7		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	57.9		0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	50.2		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	48.7		0.64	5.20	ug/L
88-74-4	2-Nitroaniline	51.3		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	54.0		0.64	5.20	ug/L

Raw Data: **BP024879.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.7		0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	56.1		0.96	5.20	ug/L
99-09-2	3-Nitroaniline	33.9		1.10	5.20	ug/L
83-32-9	Acenaphthene	52.1		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	48.3		2.50	10.4	ug/L
132-64-9	Dibenzofuran	52.6		0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	60.2		1.30	5.20	ug/L
84-66-2	Diethylphthalate	56.7		0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	53.6		0.71	5.20	ug/L
86-73-7	Fluorene	53.8		0.66	5.20	ug/L
100-01-6	4-Nitroaniline	47.0		1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.6		3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	52.4		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	53.0		0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	53.4		0.54	5.20	ug/L
1912-24-9	Atrazine	57.8		1.10	5.20	ug/L
87-86-5	Pentachlorophenol	140	E	1.60	10.4	ug/L
85-01-8	Phenanthrene	53.7		0.52	5.20	ug/L
120-12-7	Anthracene	53.8		0.64	5.20	ug/L
86-74-8	Carbazole	57.9		0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	58.4		1.30	5.20	ug/L
206-44-0	Fluoranthene	57.7		0.85	5.20	ug/L
129-00-0	Pyrene	51.4		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	56.8		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	19.1		0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	54.6		0.47	5.20	ug/L
218-01-9	Chrysene	53.4		0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.3		1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	58.4		2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	56.2		0.51	5.20	ug/L

Raw Data: **BP024879.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.1		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	54.1		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	56.3		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	57.5		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	56.4		0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.6		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	18.1		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.7		0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	79.2		23 - 138	53%	SPK: 150
13127-88-3	Phenol-d6	50.7		10 - 134	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.5		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	7.608			
1146-65-2	Naphthalene-d8	938000	10.372			
15067-26-2	Acenaphthene-d10	608000	14.248			
1517-22-2	Phenanthrene-d10	1240000	17.042			
1719-03-5	Chrysene-d12	1490000	21.471			
1520-96-3	Perylene-d12	1840000	24.713			

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: **BP024879.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	226271	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	937705	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	608220	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1235201	20.000	ng	-0.02
76) Chrysene-d12	21.471	240	1490396	20.000	ng	-0.01
86) Perylene-d12	24.713	264	1839742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1074133	79.239	ng	0.00
7) Phenol-d6	6.813	99	910001	50.737	ng	0.00
23) Nitrobenzene-d5	8.755	82	1746878	90.525	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1358561	161.561	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	3865377	85.613	ng	0.00
79) Terphenyl-d14	19.772	244	6686167	80.403	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.161	88	103583	17.366	ng	98
3) Pyridine	3.567	79	219668	15.314	ng	99
4) n-Nitrosodimethylamine	3.472	42	133962	22.843	ng	# 97
6) Aniline	6.949	93	639123	27.923	ng	99
8) 2-Chlorophenol	7.184	128	670519	43.633	ng	99
9) Benzaldehyde	6.761	77	392669	37.983	ng	# 78
10) Phenol	6.837	94	339071	18.338	ng	97
11) bis(2-Chloroethyl)ether	7.043	93	715637	49.210	ng	99
12) 1,3-Dichlorobenzene	7.496	146	416765	24.311	ng	97
13) 1,4-Dichlorobenzene	7.643	146	432880	25.026	ng	99
14) 1,2-Dichlorobenzene	7.949	146	451268	26.568	ng	99
15) Benzyl Alcohol	7.855	79	501705	36.448	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.119	45	819608	43.061	ng	100
17) 2-Methylphenol	8.066	107	478615	37.069	ng	99
18) Hexachloroethane	8.666	117	155606m	23.894	ng	
19) n-Nitroso-di-n-propyla...	8.407	70	589747	48.369	ng	99
20) 3+4-Methylphenols	8.390	107	696463	39.537	ng	96
22) Acetophenone	8.425	105	1270478	53.626	ng	98
24) Nitrobenzene	8.802	77	903653	52.712	ng	100
25) Isophorone	9.319	82	1657547	49.562	ng	100
26) 2-Nitrophenol	9.502	139	428106	50.612	ng	100
27) 2,4-Dimethylphenol	9.572	122	669434	46.243	ng	99
28) bis(2-Chloroethoxy)met...	9.796	93	999092	50.080	ng	100
29) 2,4-Dichlorophenol	10.049	162	707035	50.902	ng	98
30) 1,2,4-Trichlorobenzene	10.243	180	516309	32.956	ng	98
31) Naphthalene	10.419	128	1968432	40.963	ng	99
32) Benzoic acid	9.731	122	287683	29.408	ng	97
33) 4-Chloroaniline	10.549	127	606221	30.111	ng	100
34) Hexachlorobutadiene	10.701	225	262066	27.754	ng	99
35) Caprolactam	11.384	113	57413	11.229	ng	91
36) 4-Chloro-3-methylphenol	11.696	107	778238	48.575	ng	99
37) 2-Methylnaphthalene	12.043	142	1423955	46.715	ng	100
38) 1-Methylnaphthalene	12.260	142	1532980	47.041	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	772203	44.743	ng	100
41) Hexachlorocyclopentadiene	12.390	237	634443	60.270	ng	98
43) 2,4,6-Trichlorophenol	12.672	196	619974	53.491	ng	99

Sample Results: **BP024879.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	689722	55.567	ng		99
46) 1,1'-Biphenyl	13.066	154	2130271	48.195	ng		99
47) 2-Chloronaphthalene	13.113	162	1586923	46.713	ng		99
48) 2-Nitroaniline	13.331	65	513858	49.201	ng		98
49) Acenaphthylene	13.966	152	2758277	48.695	ng		100
50) Dimethylphthalate	13.707	163	2326607	51.855	ng		99
51) 2,6-Dinitrotoluene	13.831	165	520460	53.809	ng		98
52) Acenaphthene	14.313	154	1623696	50.024	ng		100
53) 3-Nitroaniline	14.172	138	327021	32.579	ng		97
54) 2,4-Dinitrophenol	14.390	184	631766	98.895	ng		97
55) Dibenzofuran	14.654	168	2632901	50.534	ng		99
56) 4-Nitrophenol	14.531	139	373587	46.400	ng		96
57) 2,4-Dinitrotoluene	14.637	165	781392	57.752	ng		94
58) Fluorene	15.313	166	2173195	51.633	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.895	232	614576	55.416	ng		99
60) Diethylphthalate	15.089	149	2433354	54.419	ng		98
61) 4-Chlorophenyl-phenyle...	15.307	204	1058252	51.423	ng		99
62) 4-Nitroaniline	15.354	138	410751	45.131	ng		92
63) Azobenzene	15.607	77	2201630	53.685	ng		98
65) 4,6-Dinitro-2-methylph...	15.413	198	417305	51.415	ng		98
66) n-Nitrosodiphenylamine	15.537	169	1925767	50.300	ng		100
67) 4-Bromophenyl-phenylether	16.219	248	709283	50.892	ng		99
68) Hexachlorobenzene	16.336	284	866860	51.306	ng		95
69) Atrazine	16.513	200	769920	55.473	ng		99
70) Pentachlorophenol	16.701	266	1182979	135.284	ng		99
71) Phenanthrene	17.089	178	3521952	51.597	ng		99
72) Anthracene	17.183	178	3572743	51.681	ng		100
73) Carbazole	17.466	167	3563378	55.611	ng		99
74) Di-n-butylphthalate	18.048	149	4450239	56.055	ng		100
75) Fluoranthene	19.172	202	4382489	55.394	ng		99
77) Benzidine	19.395	184	20413m	0.442	ng		
78) Pyrene	19.542	202	4596154	49.362	ng		100
80) Butylbenzylphthalate	20.501	149	2325334	54.521	ng		96
81) Benzo(a)anthracene	21.448	228	4992990	52.380	ng		100
82) 3,3'-Dichlorobenzidine	21.377	252	694512	18.352	ng		99
83) Chrysene	21.519	228	4628895	51.249	ng		99
84) Bis(2-ethylhexyl)phtha...	21.383	149	3362786	55.031	ng		99
85) Di-n-octyl phthalate	22.624	149	6039039	56.069	ng		99
87) Indeno(1,2,3-cd)pyrene	28.395	276	7251483	54.022	ng	#	94
88) Benzo(b)fluoranthene	23.695	252	5677984	53.928	ng		99
89) Benzo(k)fluoranthene	23.760	252	5461372	50.958	ng		99
90) Benzo(a)pyrene	24.565	252	5342607	51.959	ng		99
91) Dibenzo(a,h)anthracene	28.465	278	6032384	55.211	ng		100
92) Benzo(g,h,i)perylene	29.536	276	5867002	54.120	ng		99

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

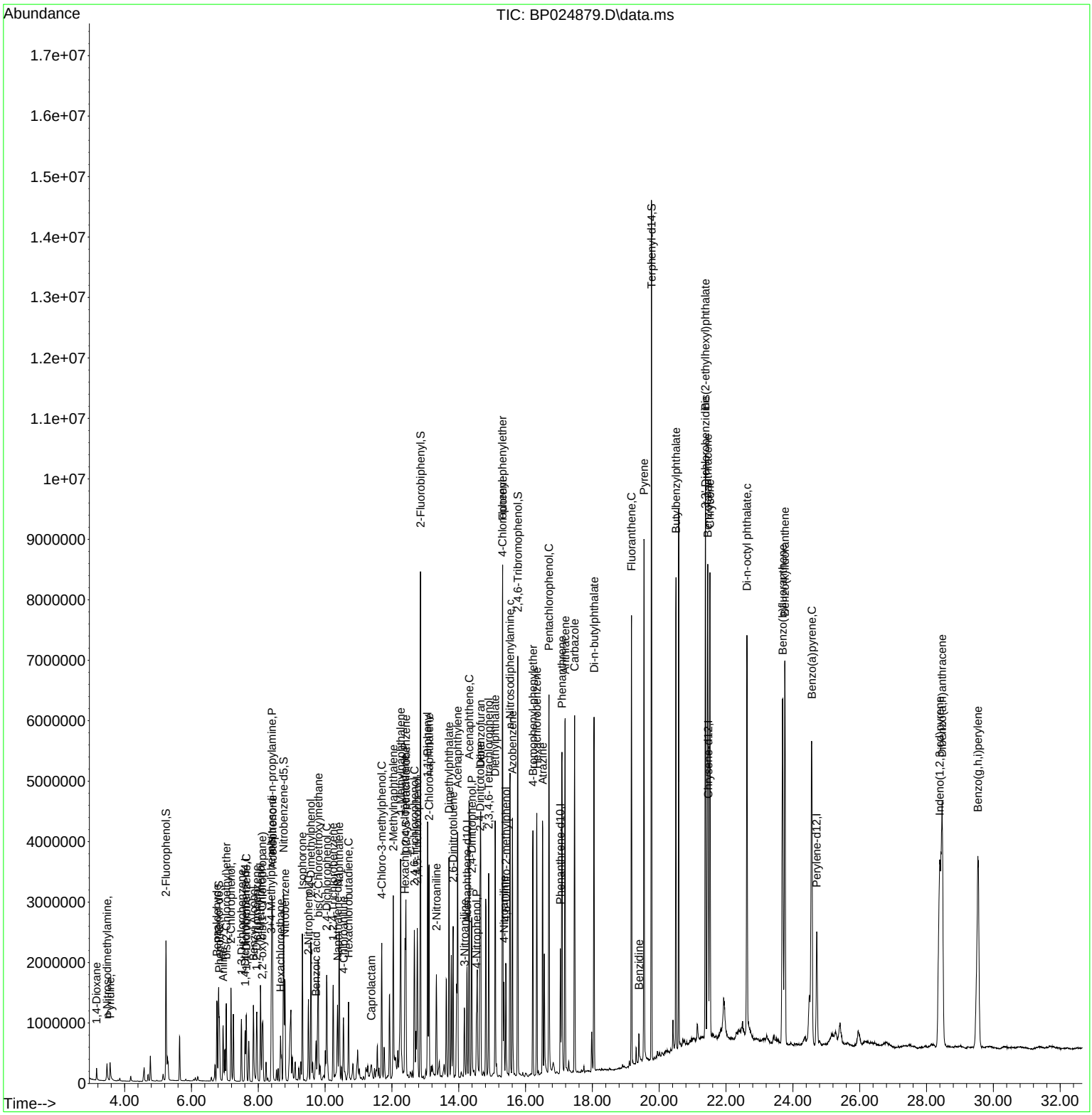
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

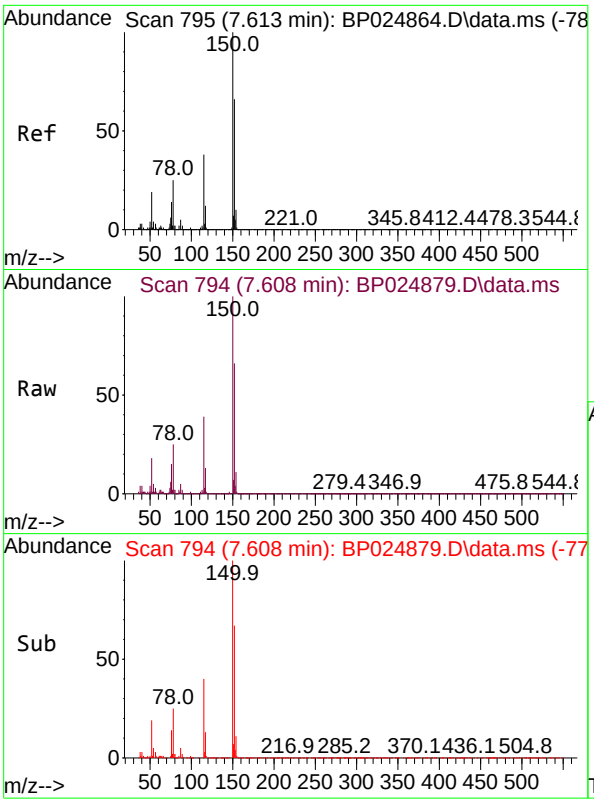
Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

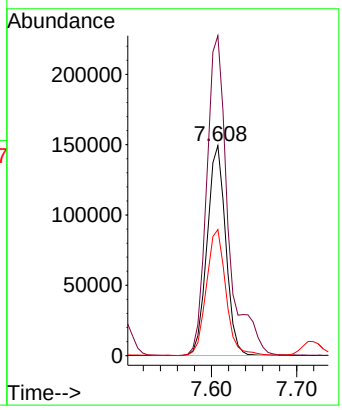




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:152 Resp: 22627

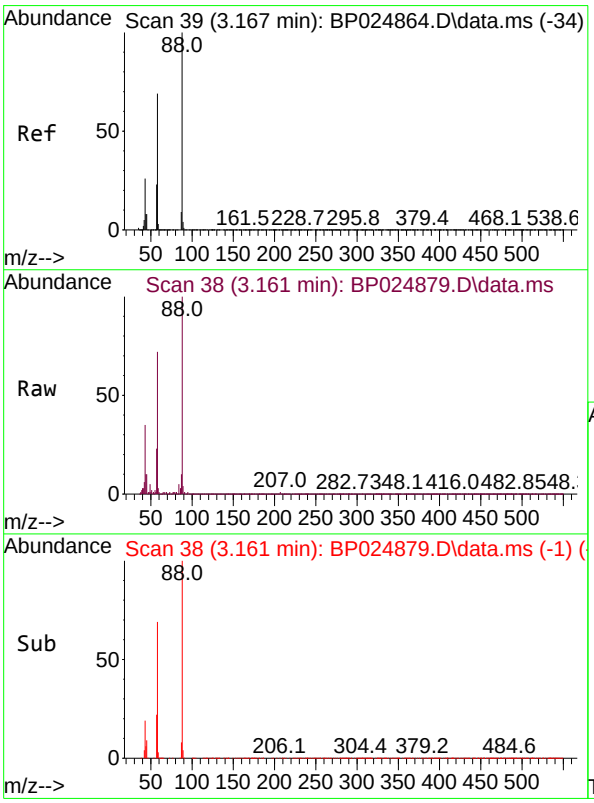
Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.1	183.1
115	60.1	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

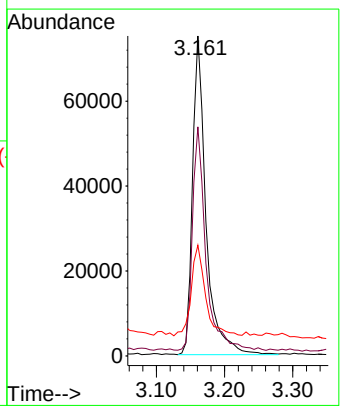
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

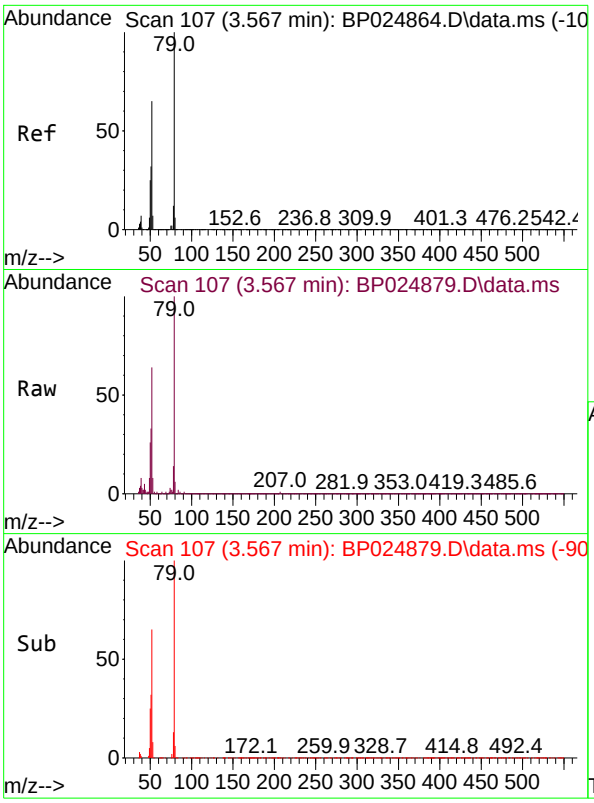


#2
1,4-Dioxane
Concen: 17.366 ng
RT: 3.161 min Scan# 38
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 88 Resp: 103583

Ion	Ratio	Lower	Upper
88	100		
58	69.6	55.4	83.0
43	29.8	20.8	31.2

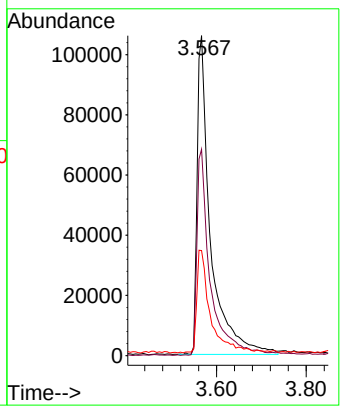




#3
Pyridine
Concen: 15.314 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 79 Resp: 21966

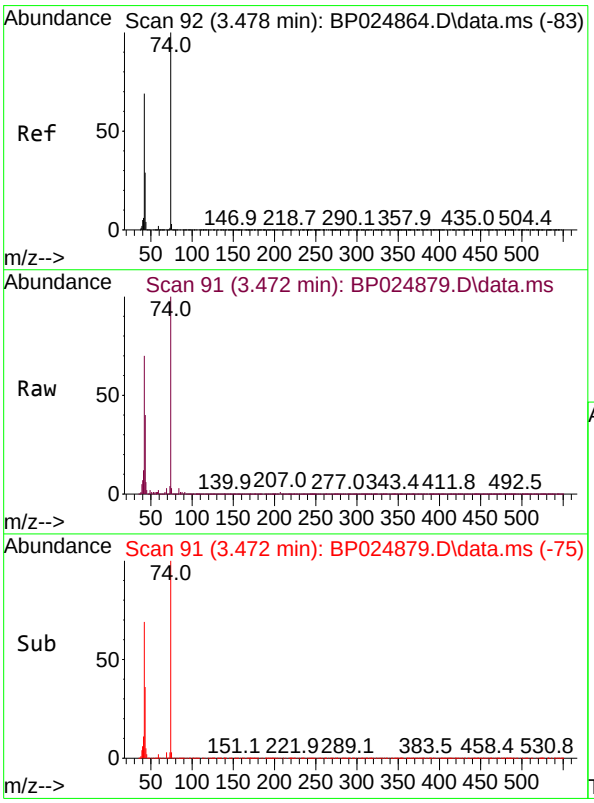
Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.6	77.4
51	32.8	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

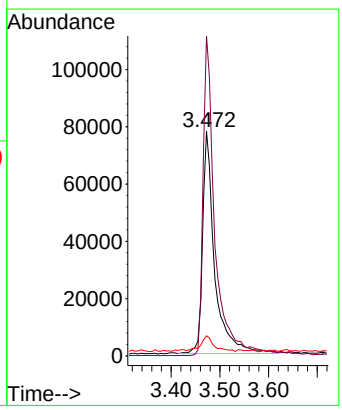
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

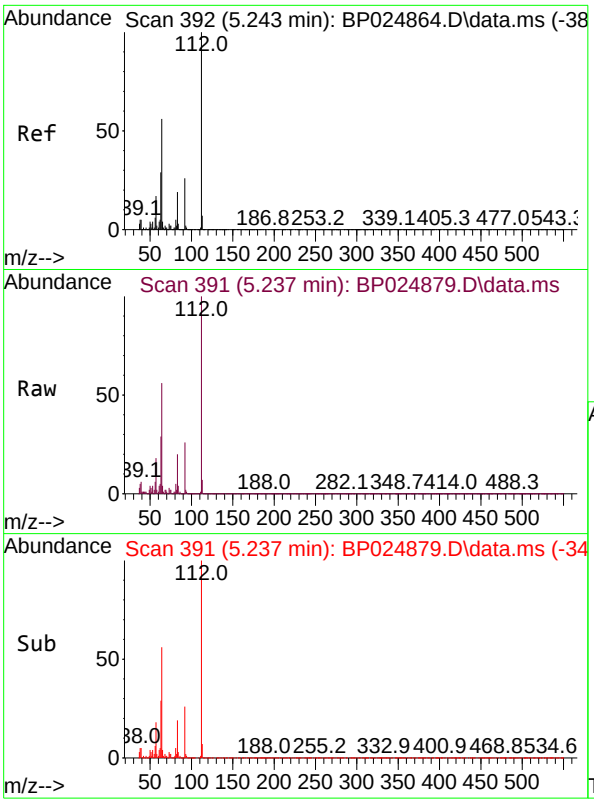


#4
n-Nitrosodimethylamine
Concen: 22.843 ng
RT: 3.472 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 42 Resp: 133962

Ion	Ratio	Lower	Upper
42	100		
74	142.5	116.6	174.8
44	9.0	5.4	8.0#

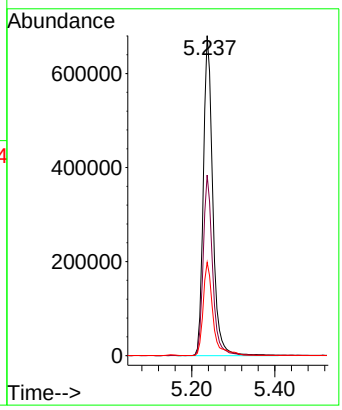




#5
2-Fluorophenol
Concen: 79.239 ng
RT: 5.237 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:112 Resp: 107413

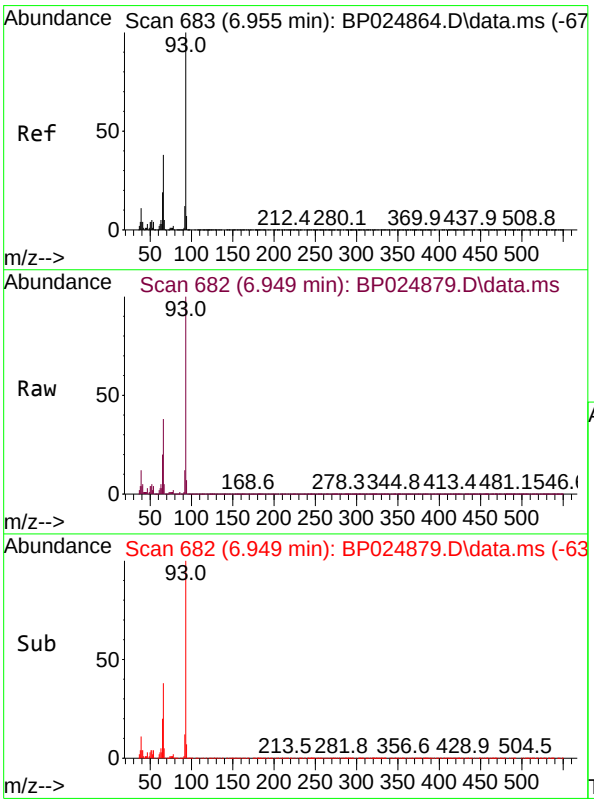
Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.7	67.1
63	29.1	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

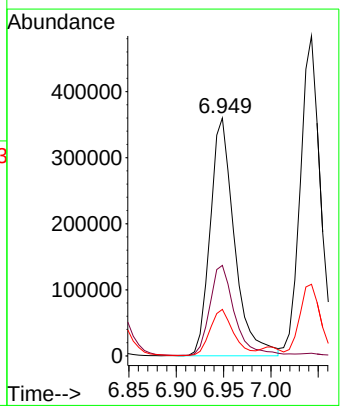
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

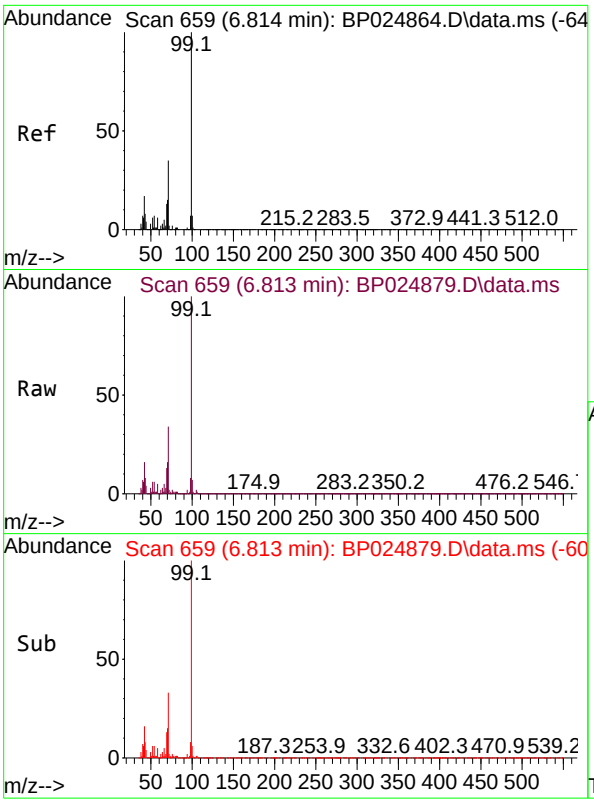


#6
Aniline
Concen: 27.923 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 639123

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.9	46.3
65	19.6	15.5	23.3

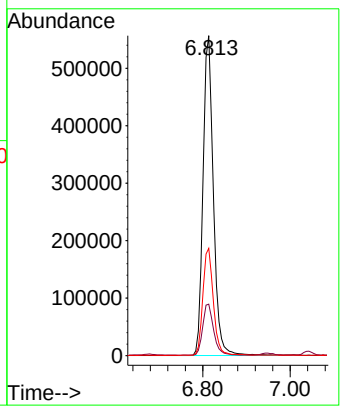




#7
Phenol-d6
Concen: 50.737 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 99 Resp: 91000

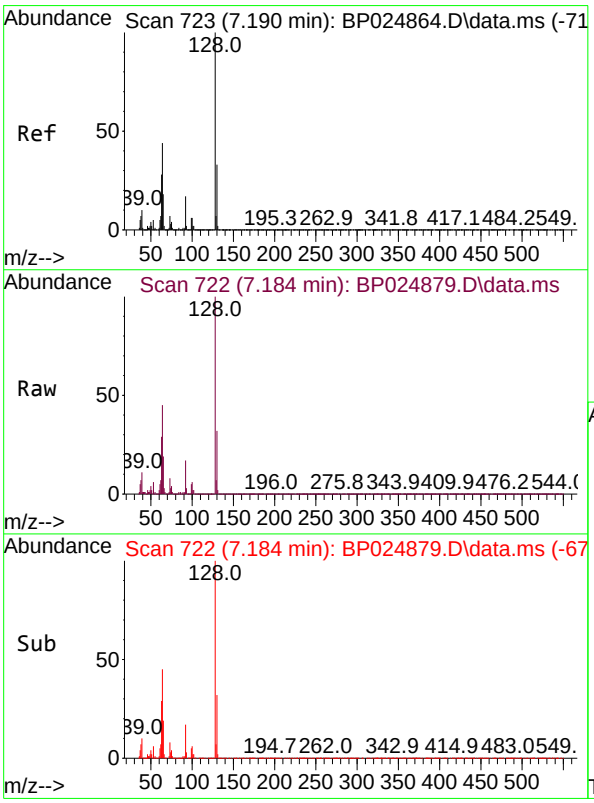
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.4	20.2
71	33.5	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

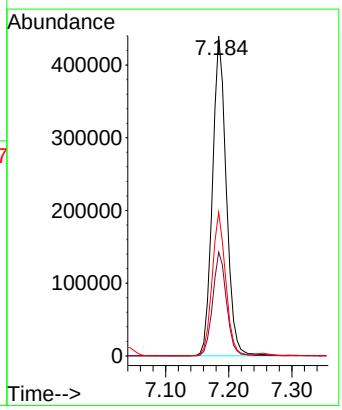
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

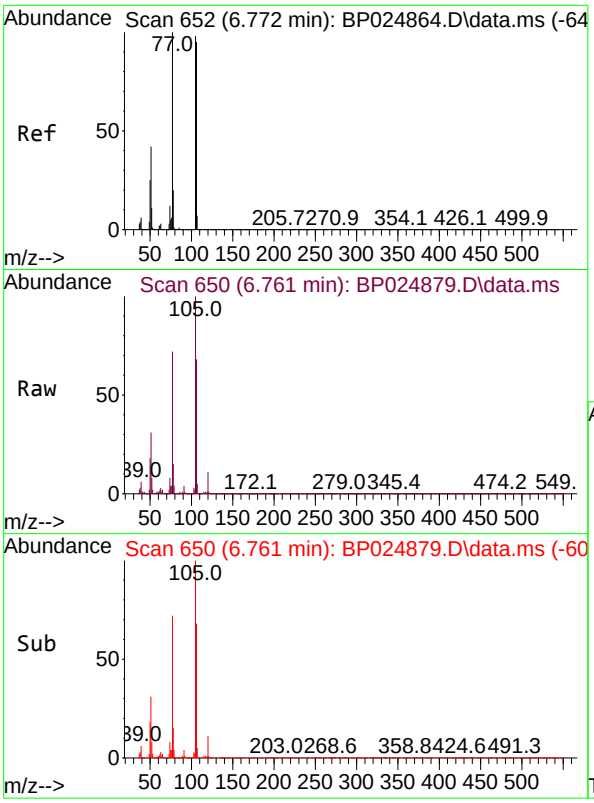


#8
2-Chlorophenol
Concen: 43.633 ng
RT: 7.184 min Scan# 722
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:128 Resp: 670519

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	44.9	24.1	64.1

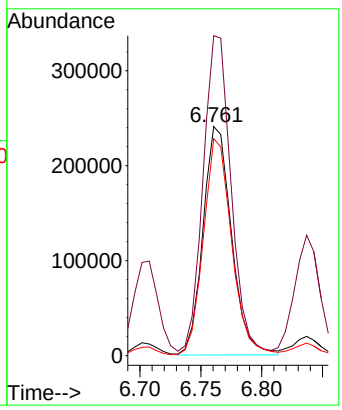




#9
Benzaldehyde
Concen: 37.983 ng
RT: 6.761 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 77 Resp: 39266

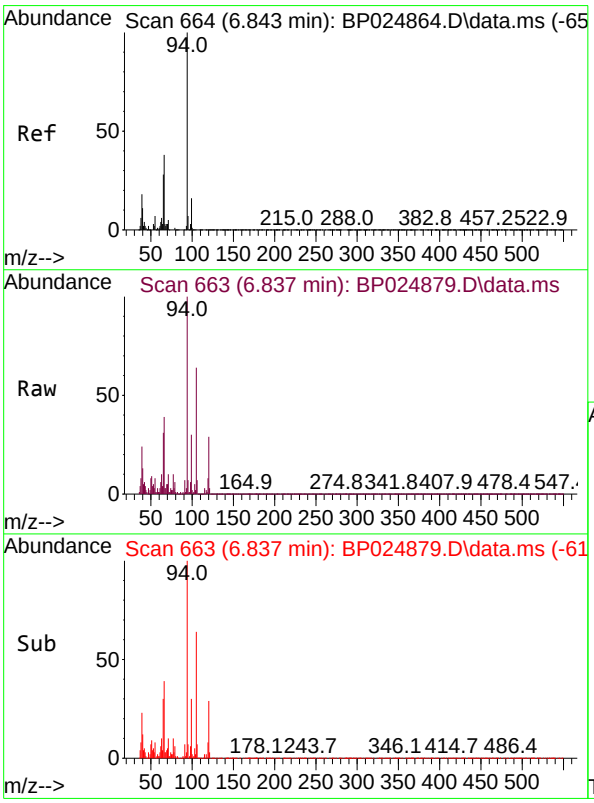
Ion	Ratio	Lower	Upper
77	100		
105	139.7	77.7	117.7
106	94.7	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

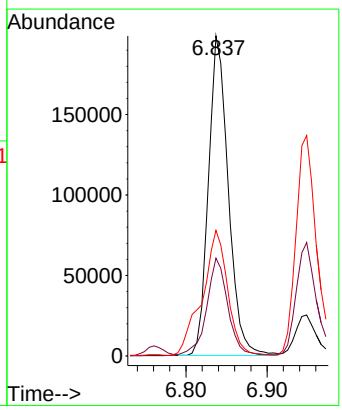
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

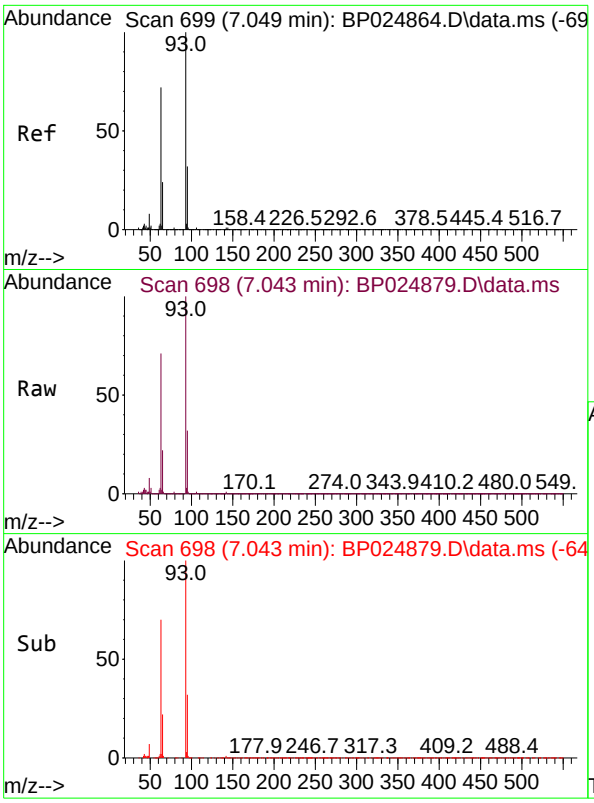


#10
Phenol
Concen: 18.338 ng
RT: 6.837 min Scan# 663
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 94 Resp: 339071

Ion	Ratio	Lower	Upper
94	100		
65	30.5	8.3	48.3
66	39.3	18.2	58.2

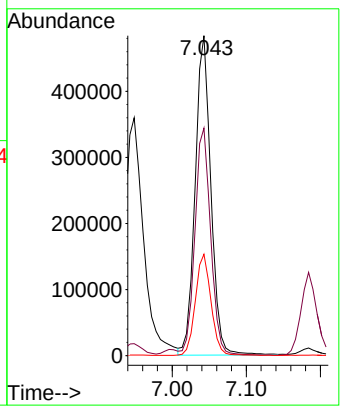




#11
bis(2-Chloroethyl)ether
Concen: 49.210 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 7156

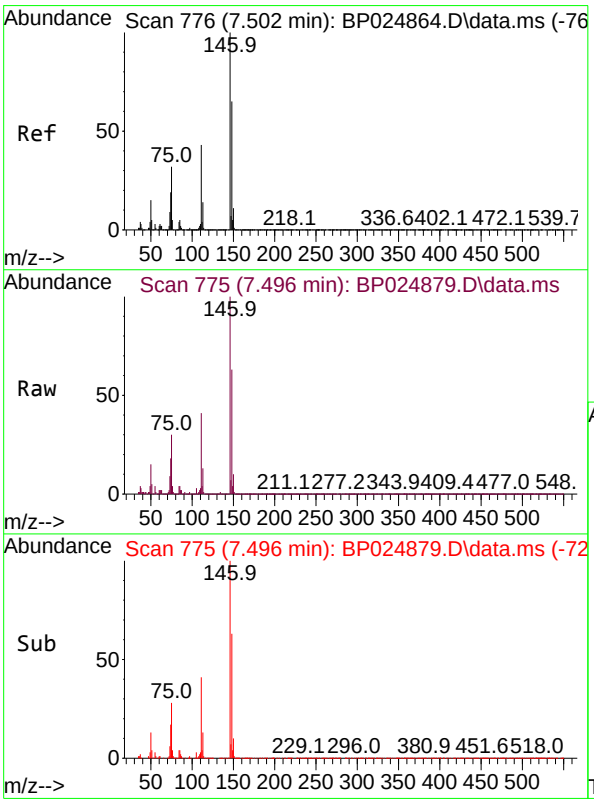
Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.6	91.6
95	31.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

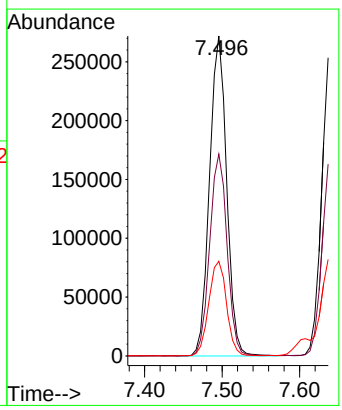
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

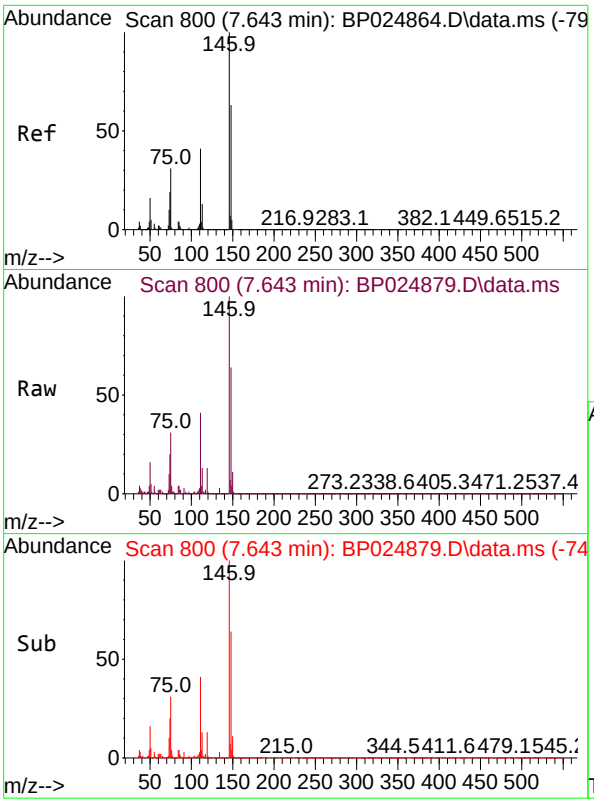


#12
1,3-Dichlorobenzene
Concen: 24.311 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 416765

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
75	29.6	25.3	37.9

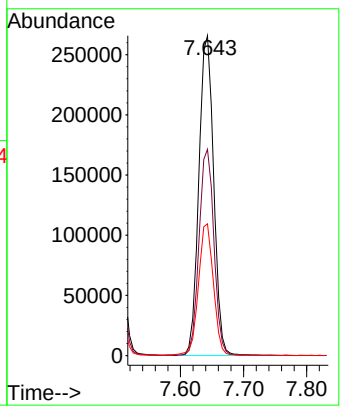




#13
1,4-Dichlorobenzene
Concen: 25.026 ng
RT: 7.643 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 43288

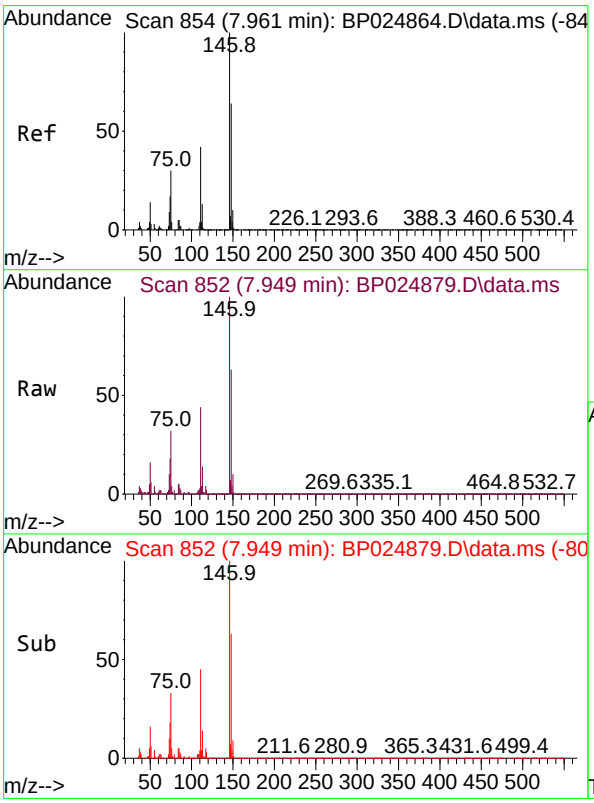
Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
111	41.2	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

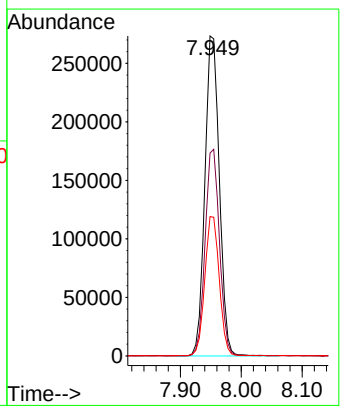
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

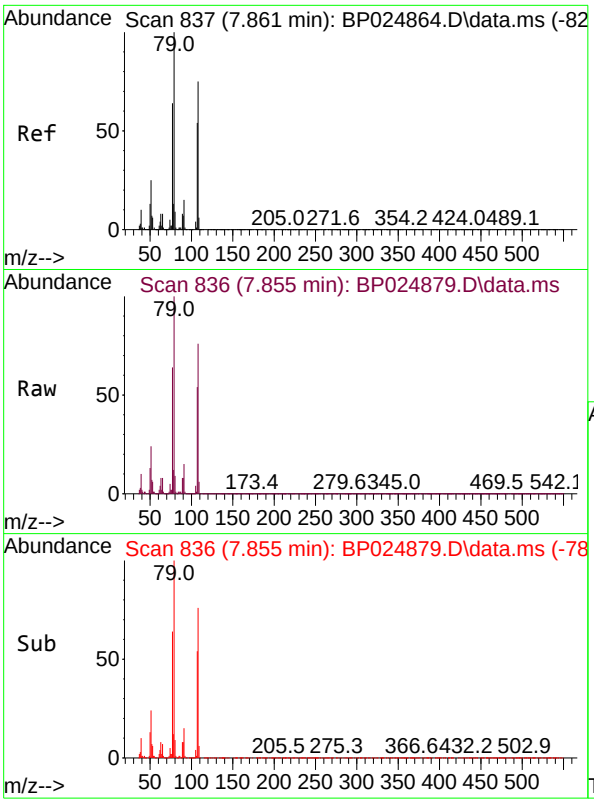


#14
1,2-Dichlorobenzene
Concen: 26.568 ng
RT: 7.949 min Scan# 852
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 451268

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.5	33.8	50.8





#15
Benzyl Alcohol
Concen: 36.448 ng
RT: 7.855 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

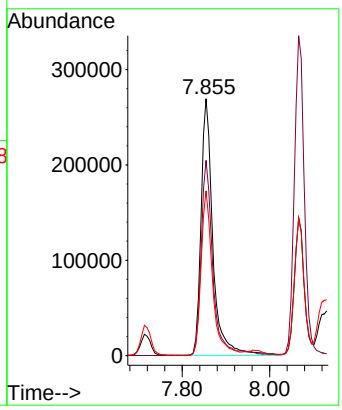
Tgt Ion: 79 Resp: 50170

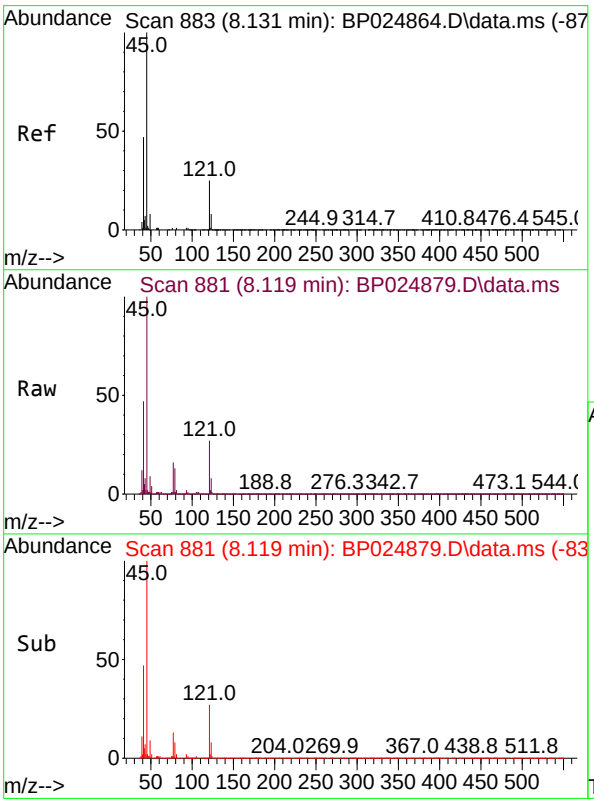
Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.2	90.4
77	64.1	51.2	76.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

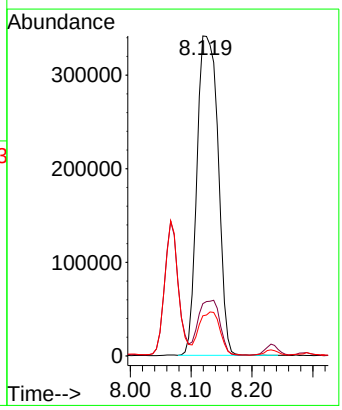


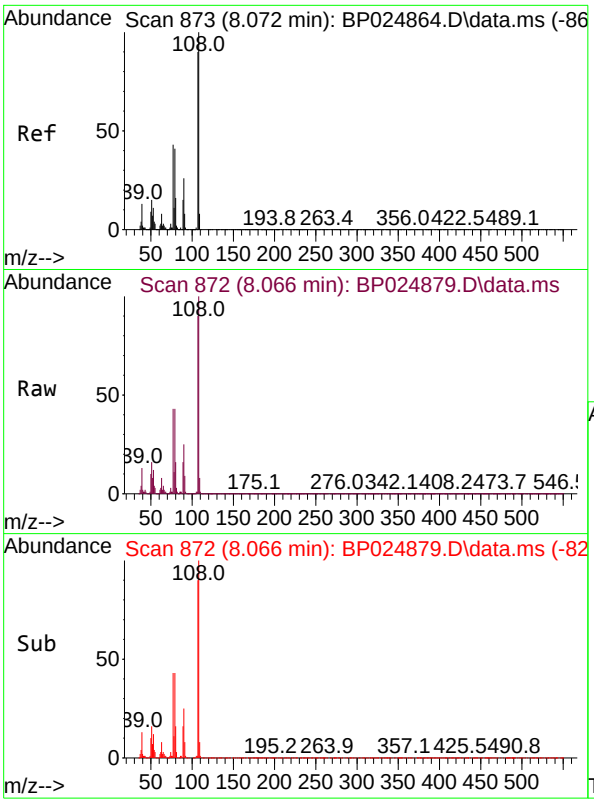


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.061 ng
RT: 8.119 min Scan# 881
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 45 Resp: 819608

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.6	0.0	32.2

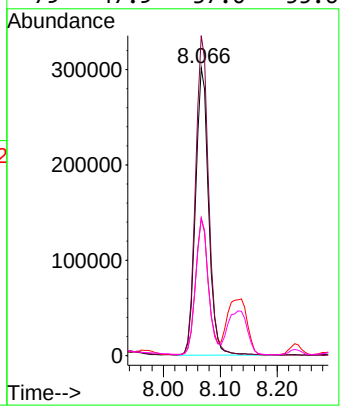




#17
2-Methylphenol
Concen: 37.069 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 47861

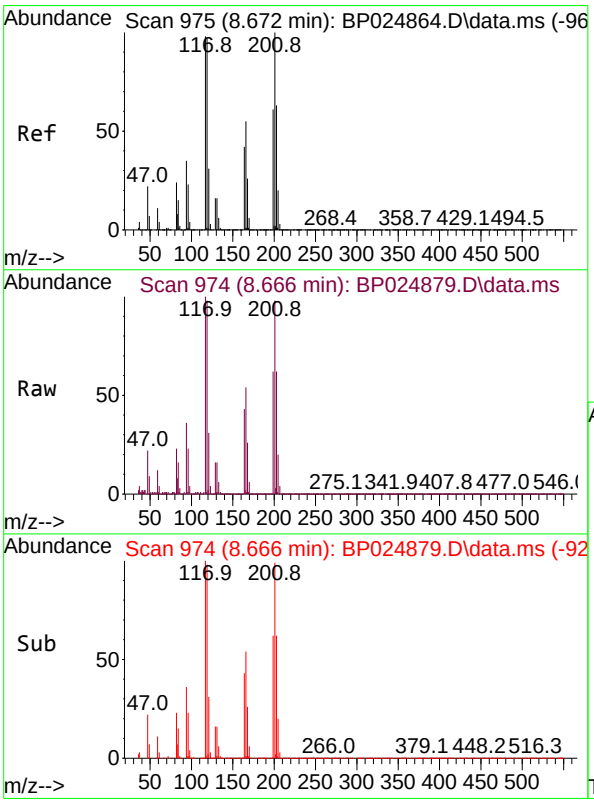
Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.6	132.8
77	47.7	38.5	57.7
79	47.9	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

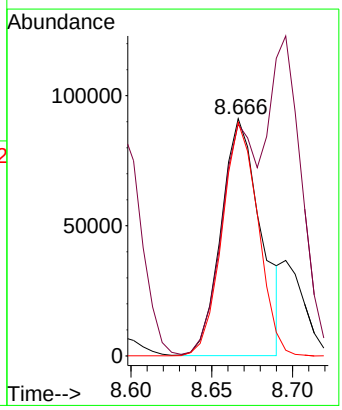
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

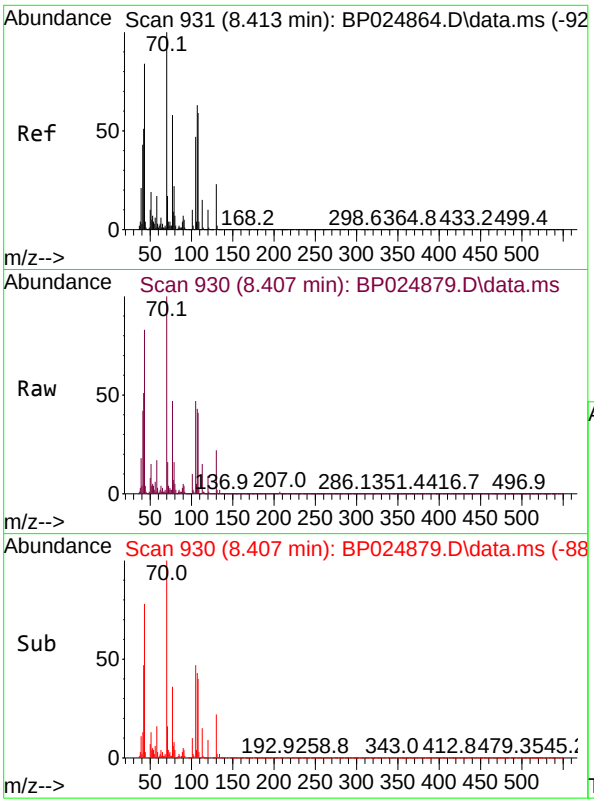


#18
Hexachloroethane
Concen: 23.894 ng m
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:117 Resp: 155606

Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.4	119.2
201	98.4	81.4	122.2

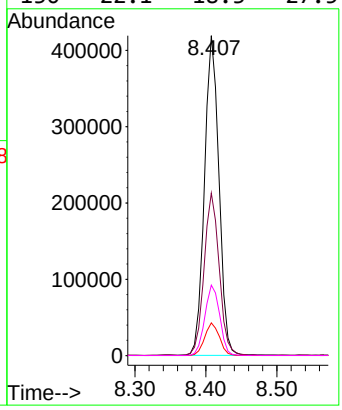




#19
n-Nitroso-di-n-propylamine
Concen: 48.369 ng
RT: 8.407 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 70 Resp: 58974

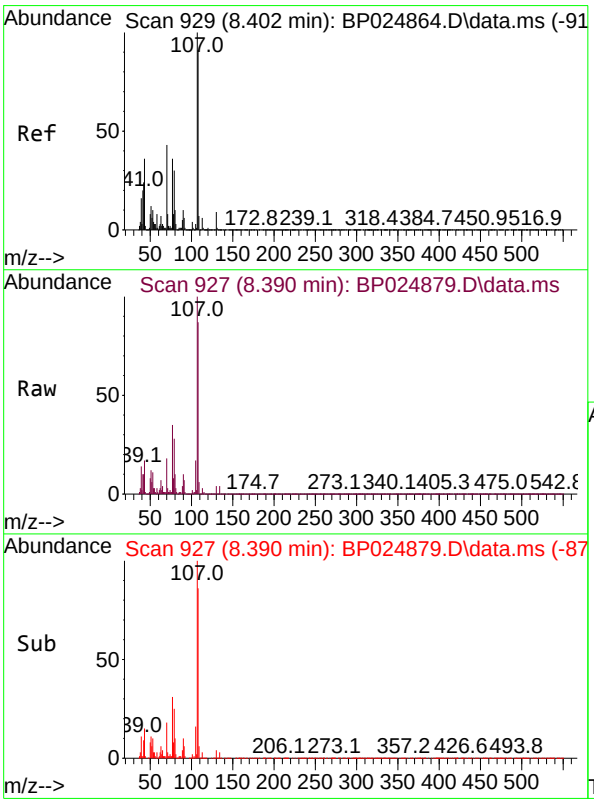
Ion	Ratio	Lower	Upper
70	100		
42	50.8	41.2	61.8
101	10.2	8.3	12.5
130	22.1	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

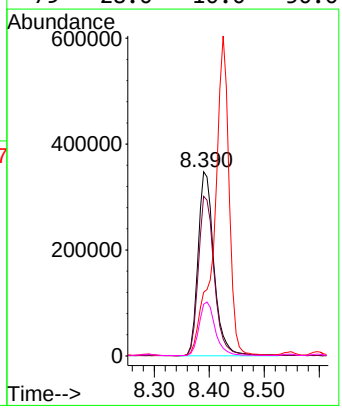
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

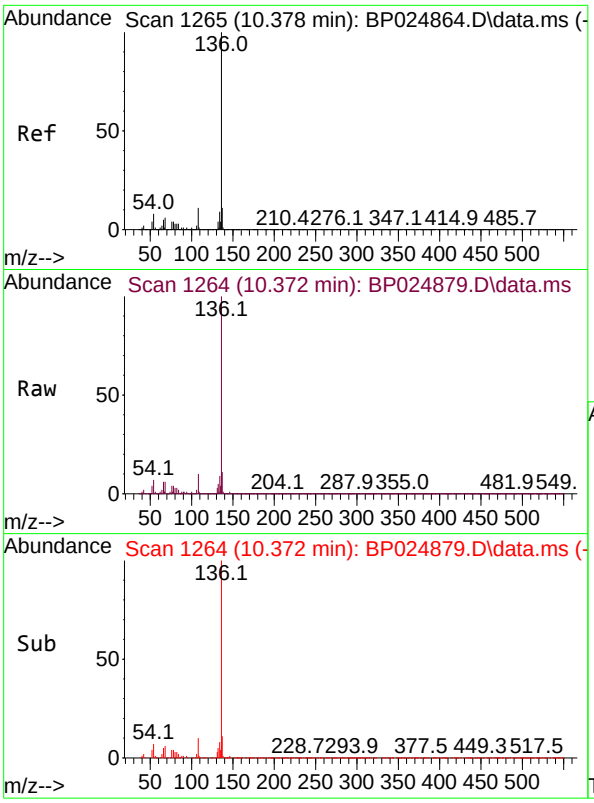


#20
3+4-Methylphenols
Concen: 39.537 ng
RT: 8.390 min Scan# 927
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 696463

Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.7	110.7
77	34.6	16.6	56.6
79	28.0	10.0	50.0

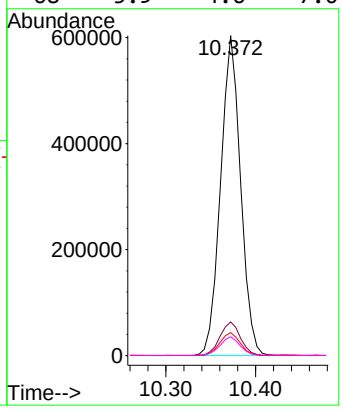




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:136 Resp: 93770

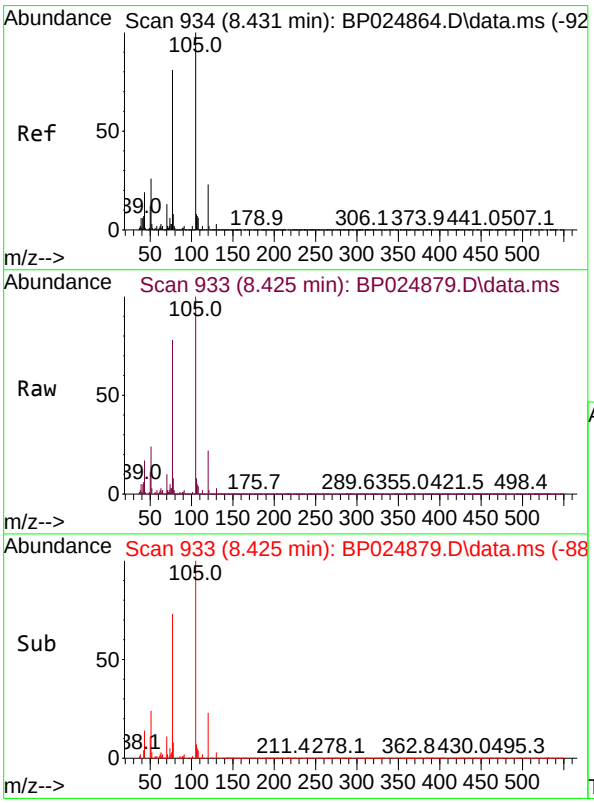
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.2	6.1	9.1
68	5.9	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

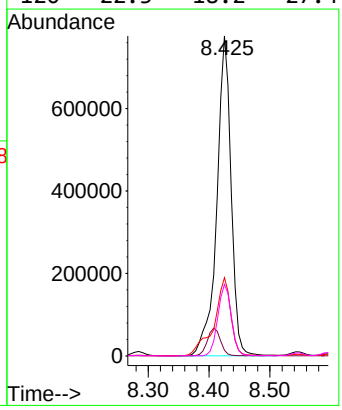
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

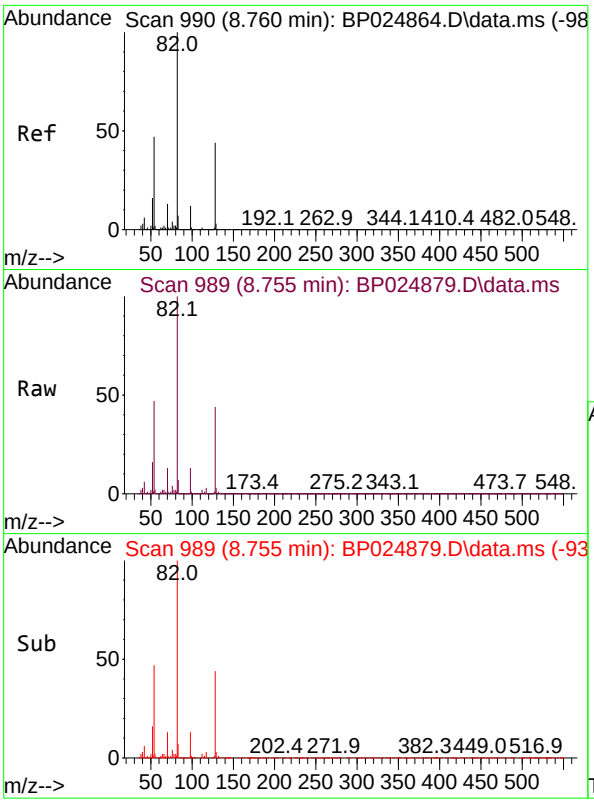


#22
Acetophenone
Concen: 53.626 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:105 Resp: 1270478

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.6	2.4
51	24.4	20.6	31.0
120	22.3	18.2	27.4





#23
Nitrobenzene-d5
Concen: 90.525 ng
RT: 8.755 min Scan# 98
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

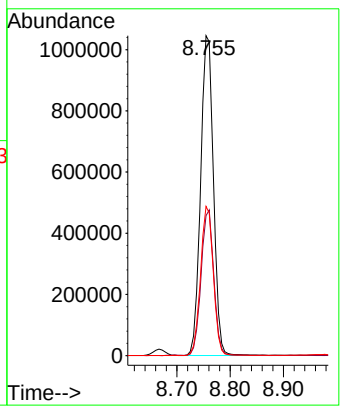
Tgt Ion: 82 Resp: 174687

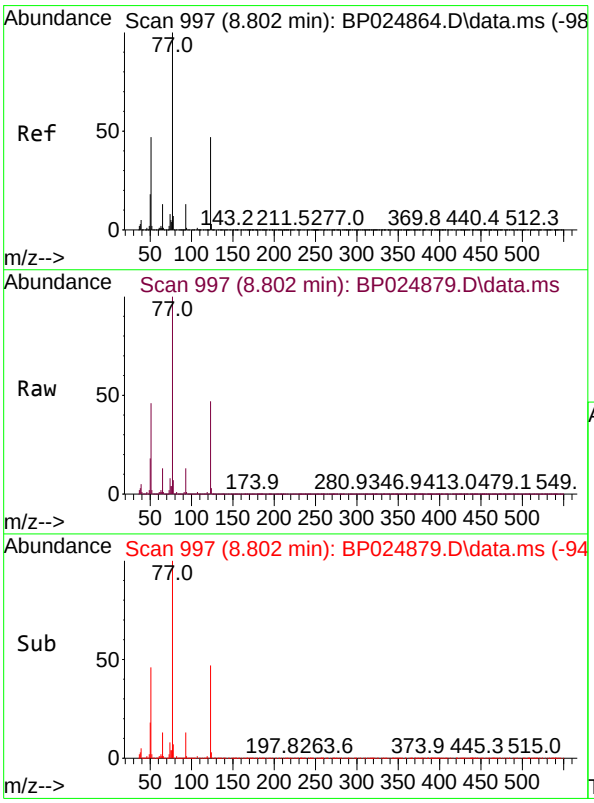
Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.3	52.9
54	46.6	37.4	56.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

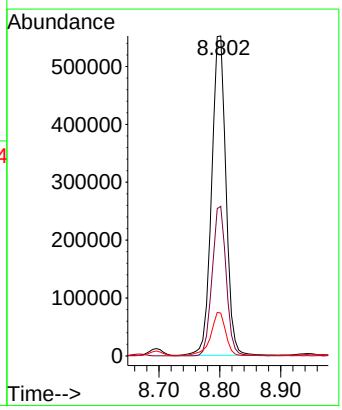


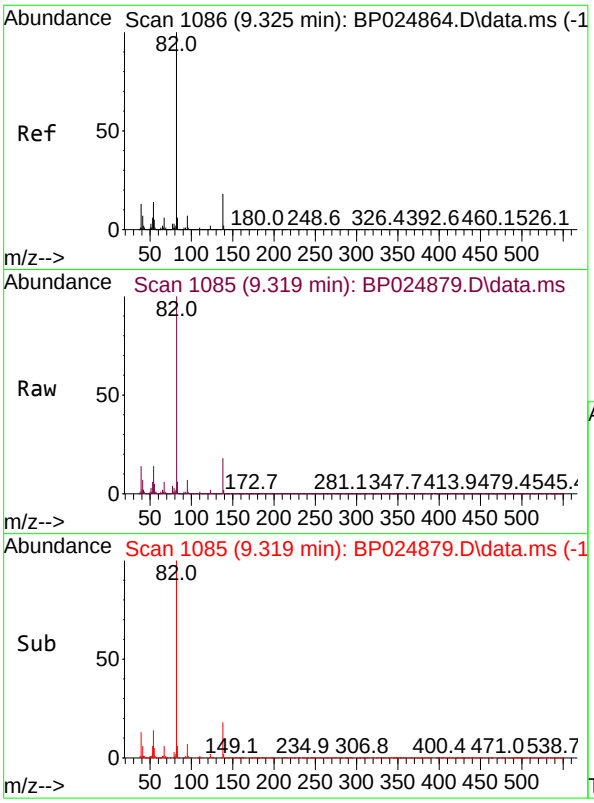


#24
Nitrobenzene
Concen: 52.712 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 77 Resp: 903653

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	13.4	10.8	16.2

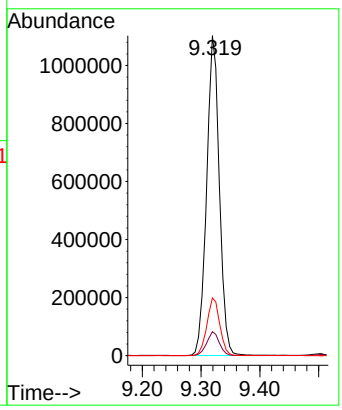




#25
Isophorone
Concen: 49.562 ng
RT: 9.319 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 82 Resp: 165754

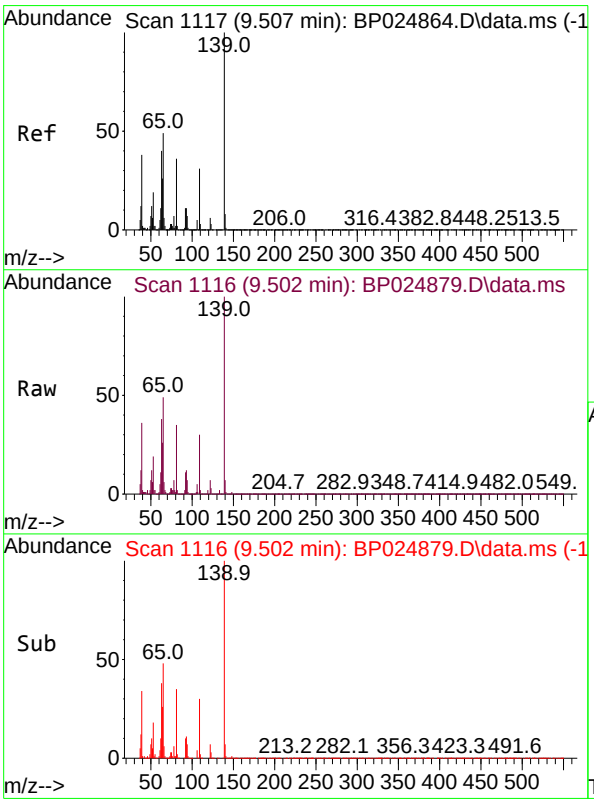
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.0	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

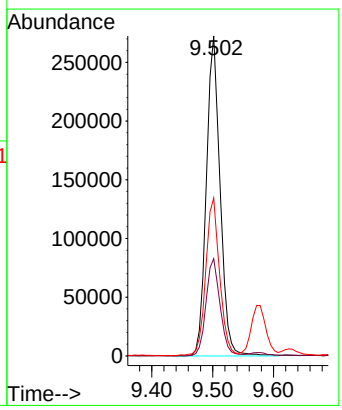
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

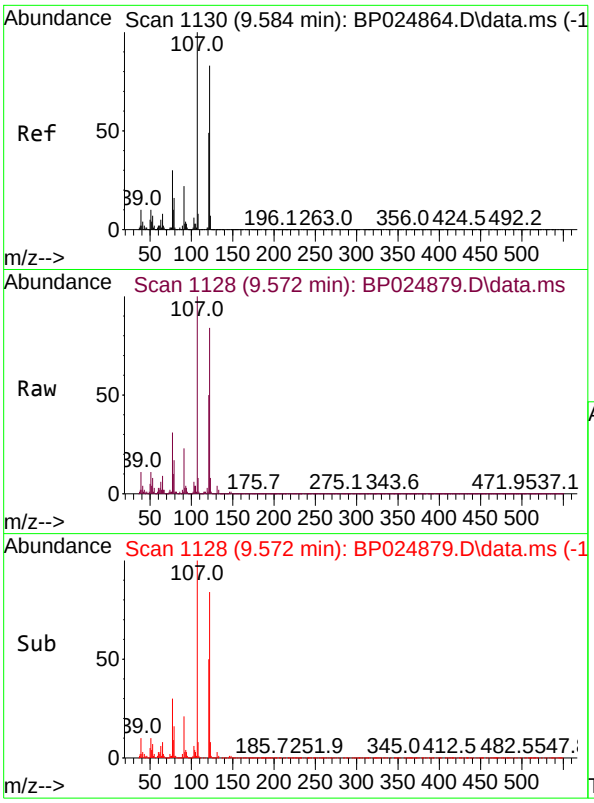


#26
2-Nitrophenol
Concen: 50.612 ng
RT: 9.502 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:139 Resp: 428106

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.6	37.0
65	49.3	39.5	59.3





#27
2,4-Dimethylphenol
Concen: 46.243 ng
RT: 9.572 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

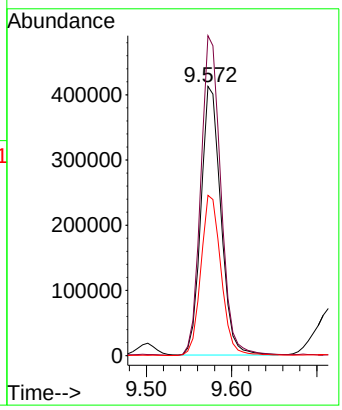
Tgt Ion:122 Resp: 66943

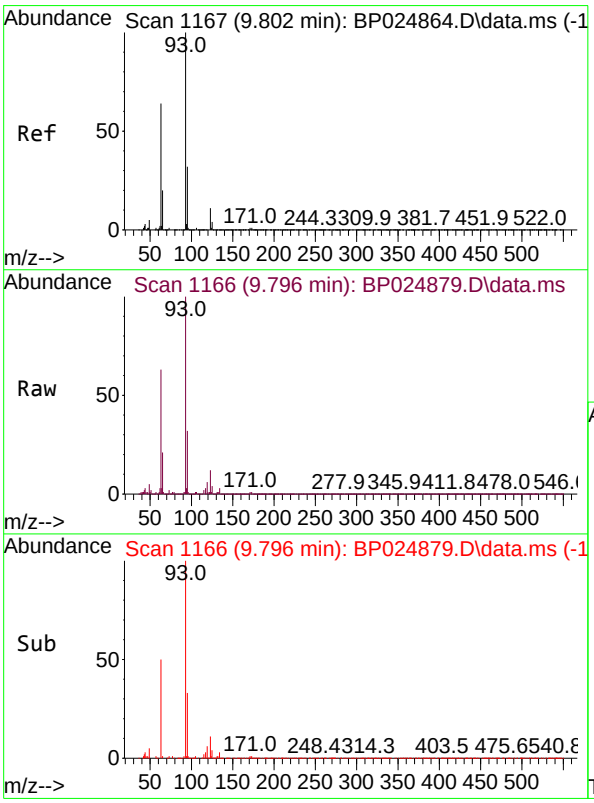
Ion	Ratio	Lower	Upper
122	100		
107	118.8	96.2	144.4
121	59.5	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

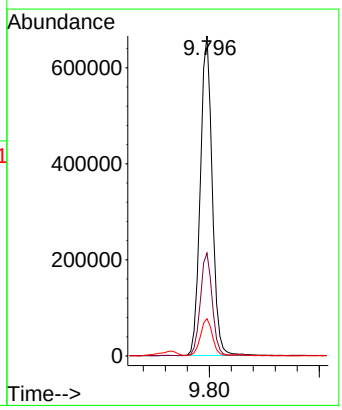


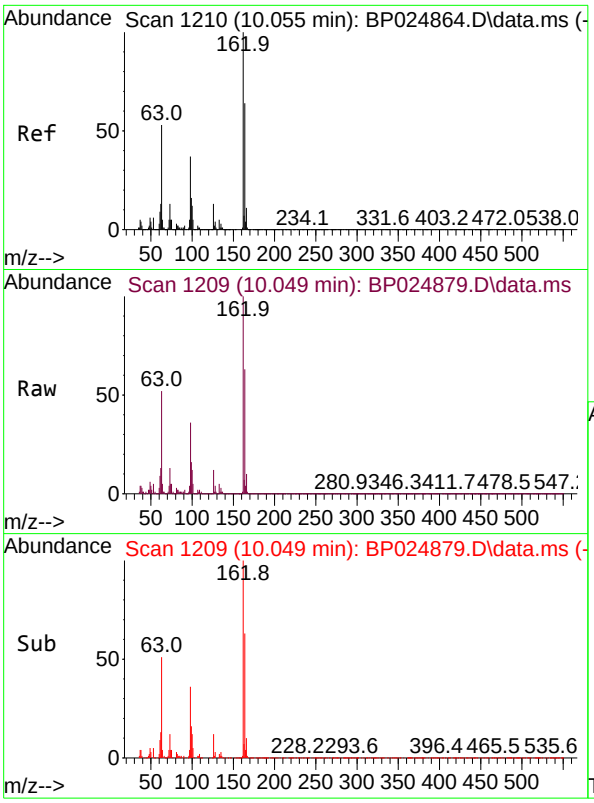


#28
bis(2-Chloroethoxy)methane
Concen: 50.080 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 999092

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	11.6	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 50.902 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

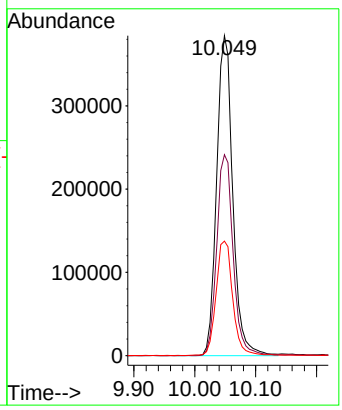
Tgt Ion:162 Resp: 70703

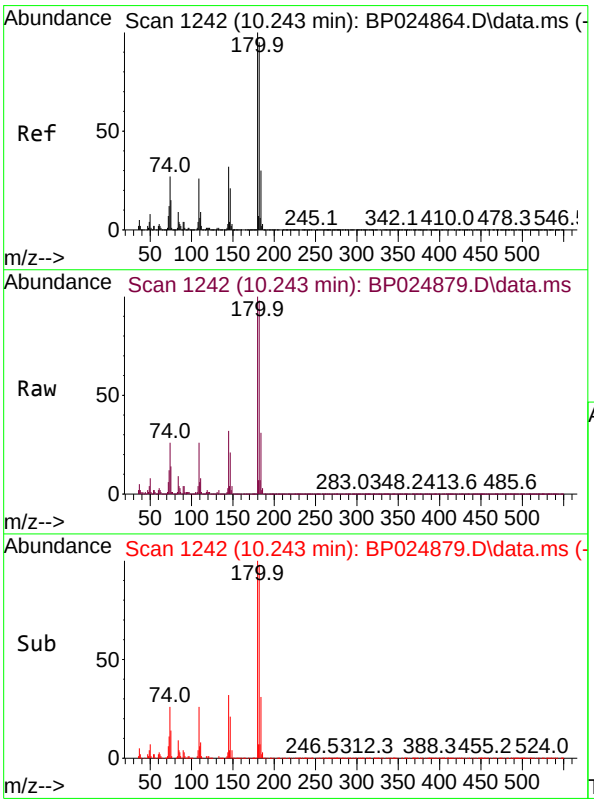
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	35.8	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

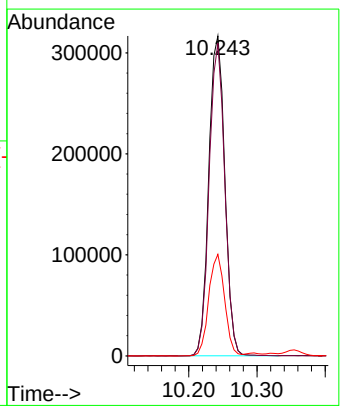


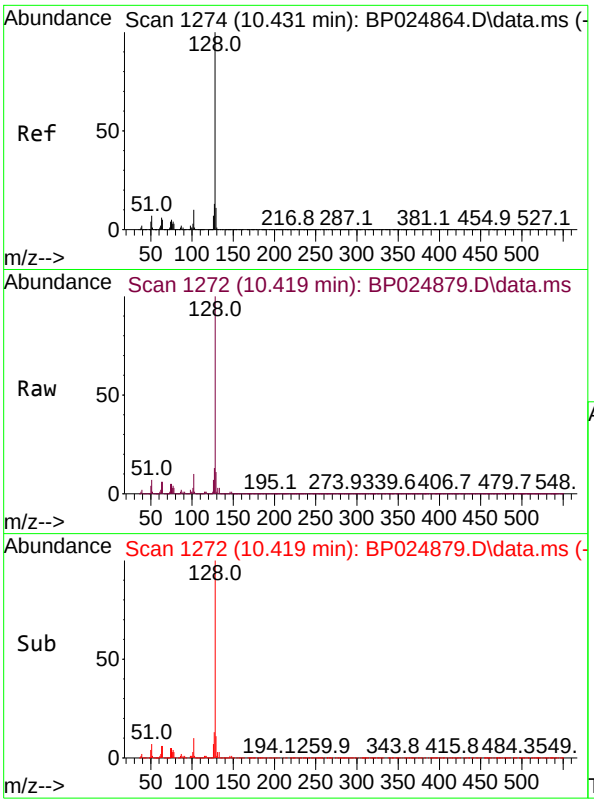


#30
1,2,4-Trichlorobenzene
Concen: 32.956 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:180 Resp: 516309

Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.8	113.6
145	31.7	25.7	38.5

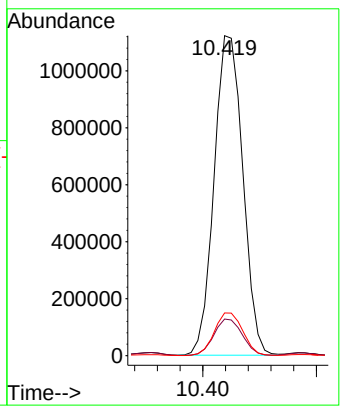




#31
Naphthalene
Concen: 40.963 ng
RT: 10.419 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:128 Resp: 196843

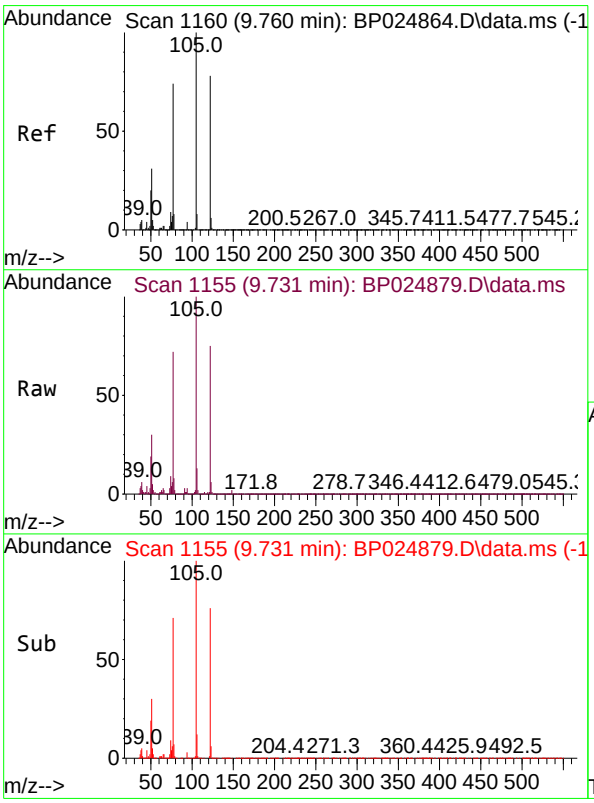
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

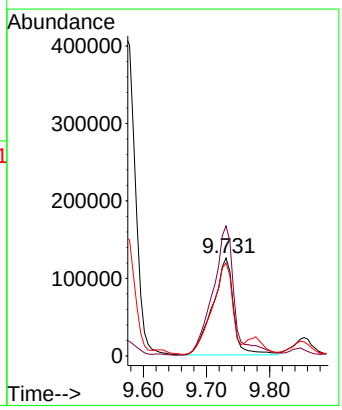
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

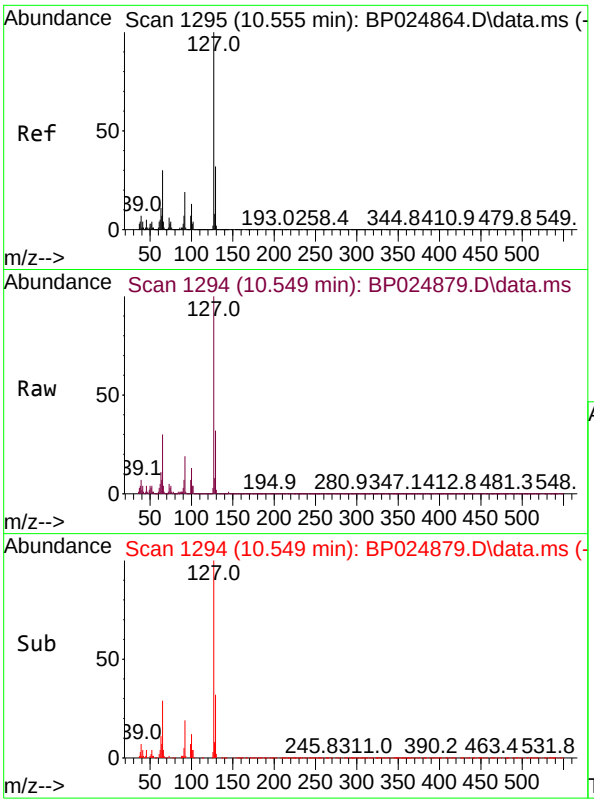


#32
Benzoic acid
Concen: 29.408 ng
RT: 9.731 min Scan# 1155
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:122 Resp: 287683

Ion	Ratio	Lower	Upper
122	100		
105	132.9	107.1	147.1
77	95.1	75.1	115.1

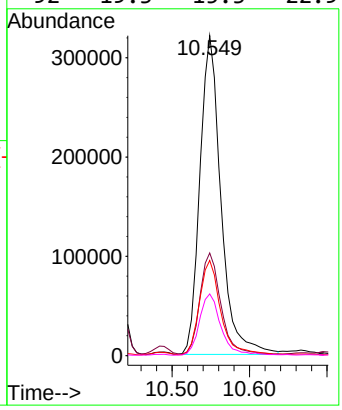




#33
4-Chloroaniline
Concen: 30.111 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:127 Resp: 60622

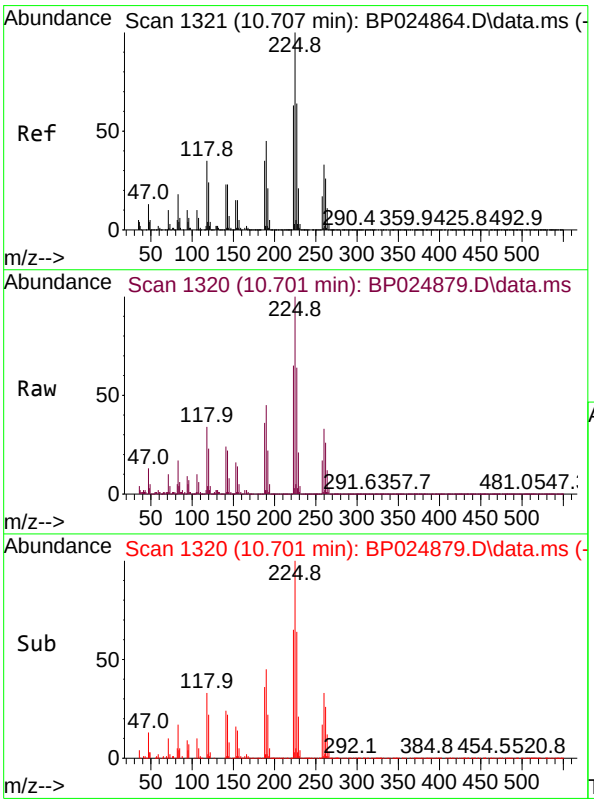
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.7	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

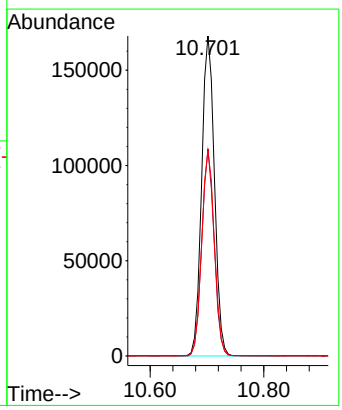
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

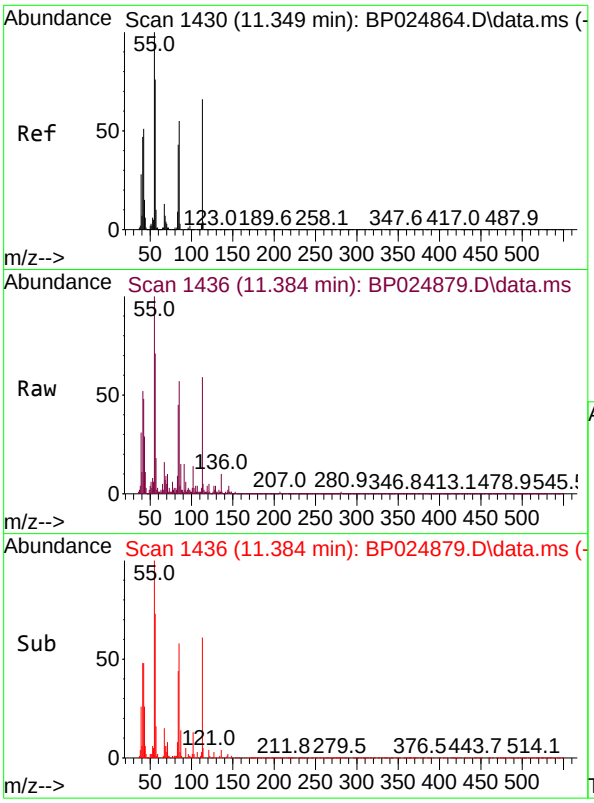


#34
Hexachlorobutadiene
Concen: 27.754 ng
RT: 10.701 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:225 Resp: 262066

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.5	75.7
227	64.2	51.4	77.2





#35
Caprolactam
Concen: 11.229 ng
RT: 11.384 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

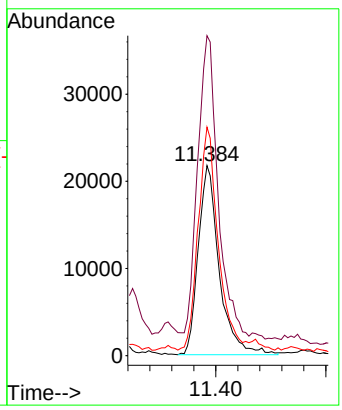
Tgt Ion:113 Resp: 5741

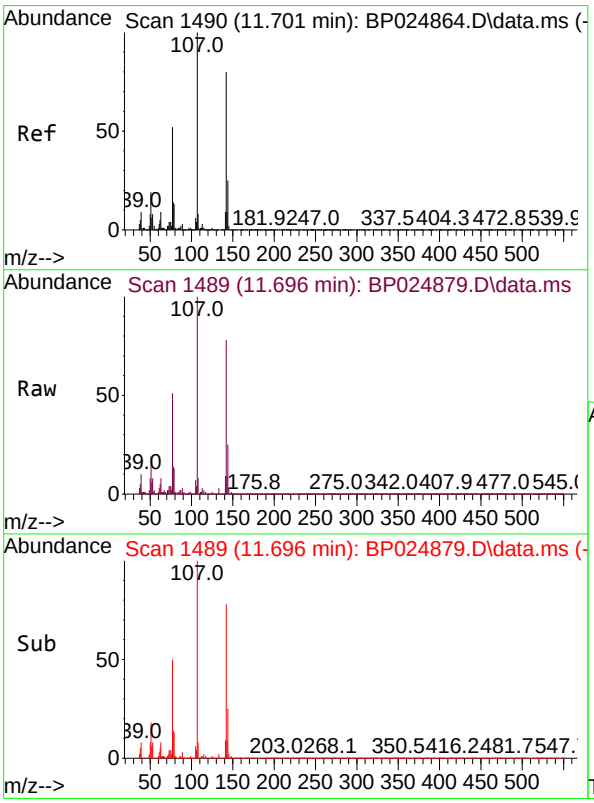
Ion	Ratio	Lower	Upper
113	100		
55	168.4	132.5	172.5
56	120.2	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

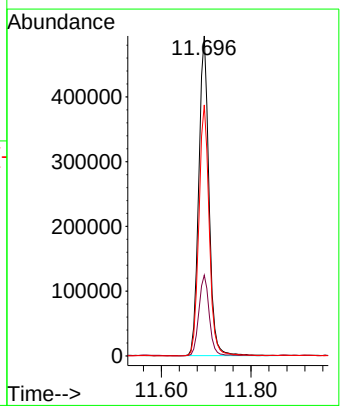


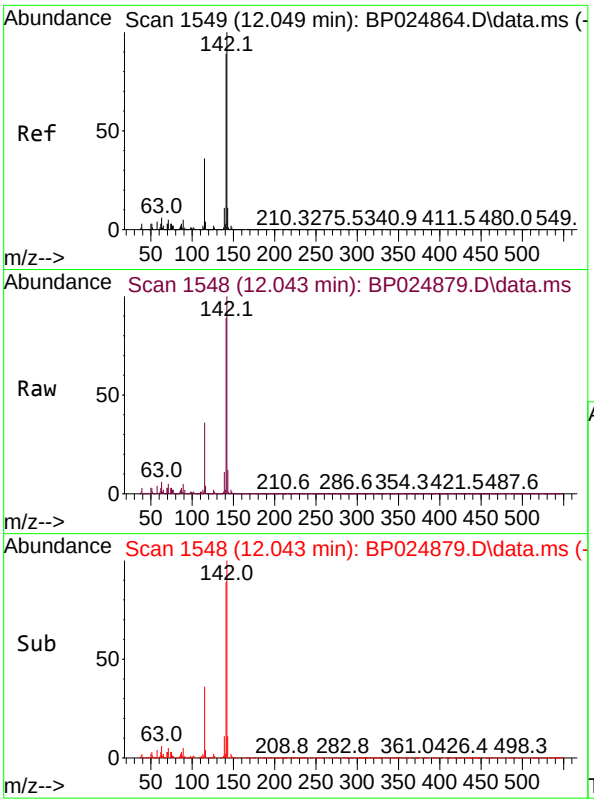


#36
4-Chloro-3-methylphenol
Concen: 48.575 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 778238

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.4	30.6
142	78.4	63.8	95.6

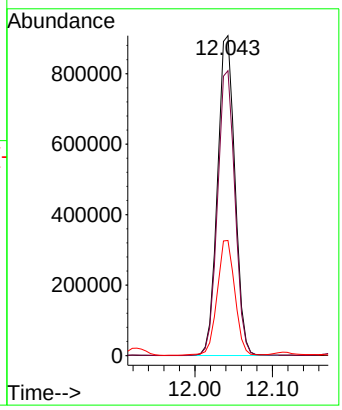




#37
2-Methylnaphthalene
Concen: 46.715 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:142 Resp: 142395

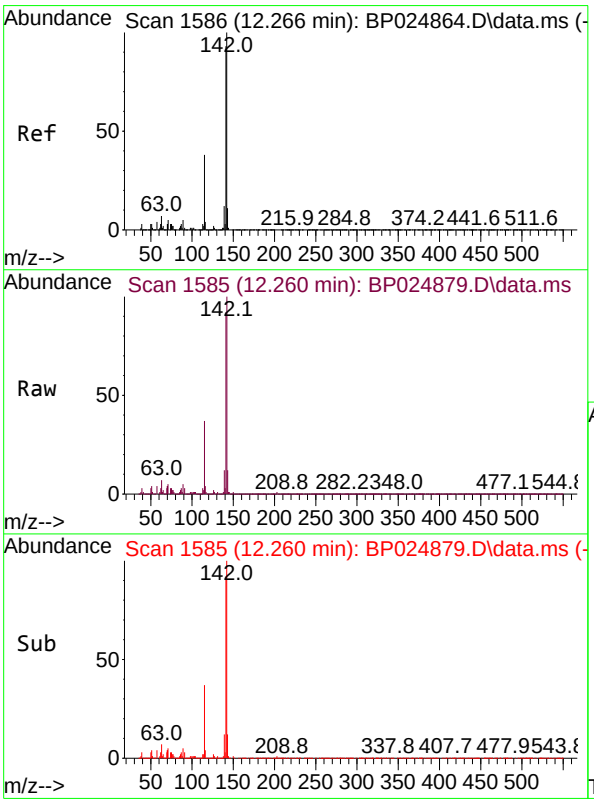
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	36.0	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

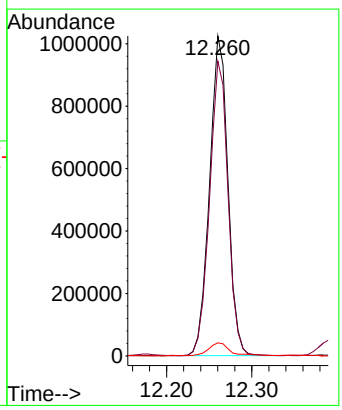
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

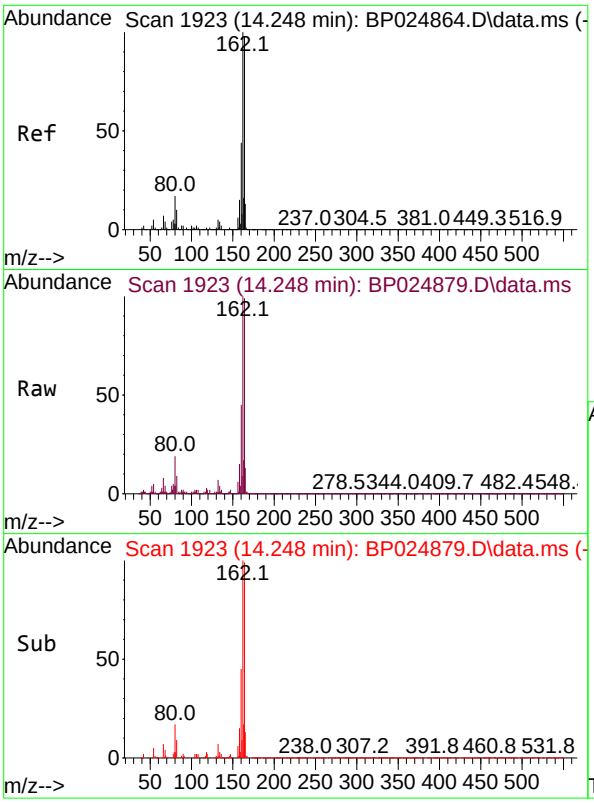


#38
1-Methylnaphthalene
Concen: 47.041 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:142 Resp: 1532980

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.7	112.1
116	4.1	3.4	5.0

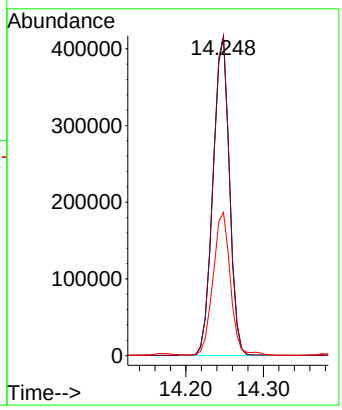




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:164 Resp: 60822

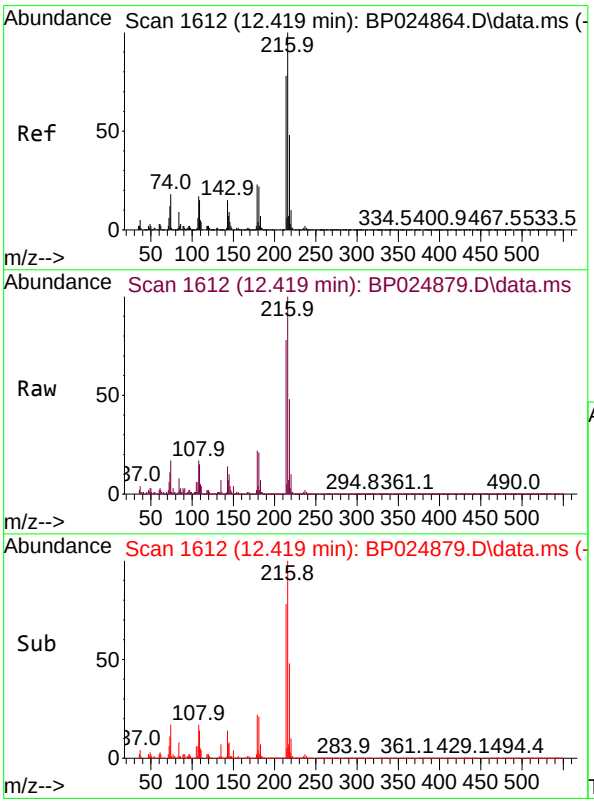
Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

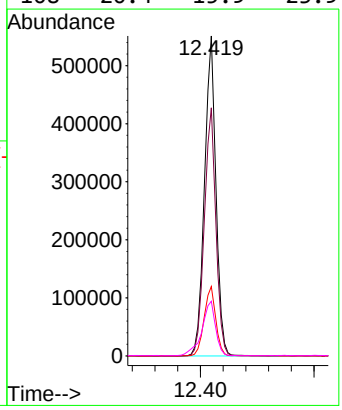
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

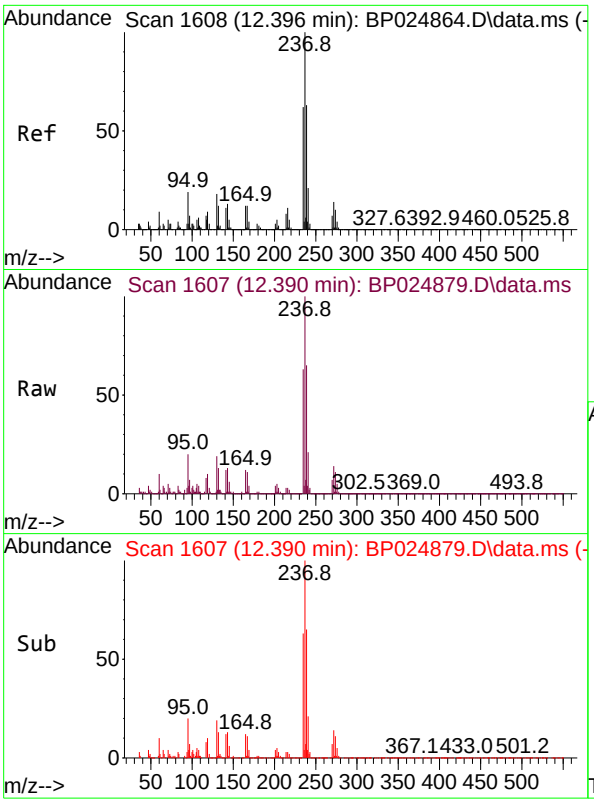


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.743 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:216 Resp: 772203

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.1	17.8	26.6
108	20.4	15.9	23.9

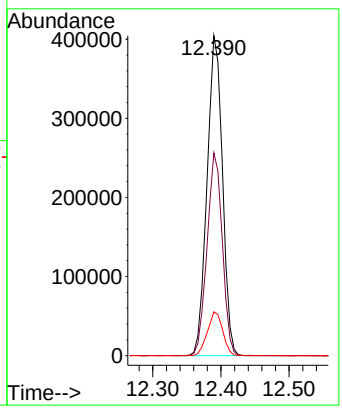




#41
Hexachlorocyclopentadiene
Concen: 60.270 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:237 Resp: 63444

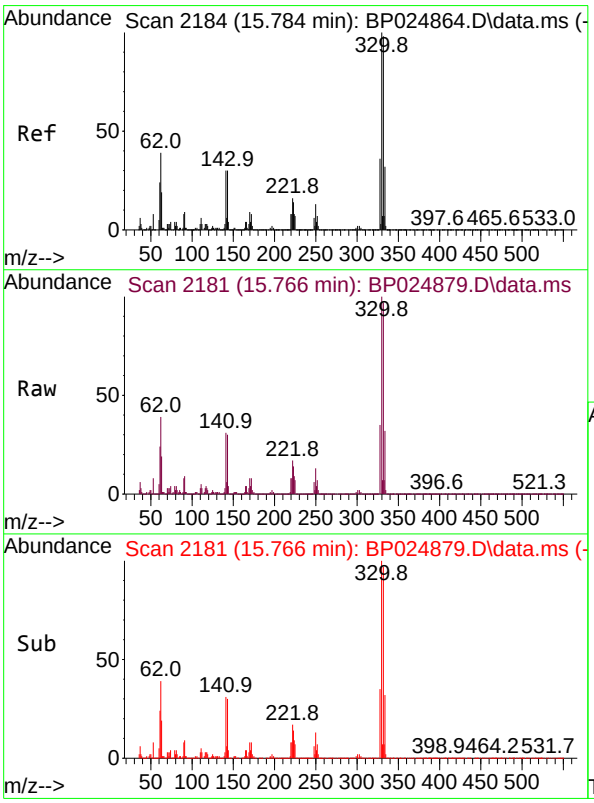
Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.9	81.9
272	13.7	0.0	33.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

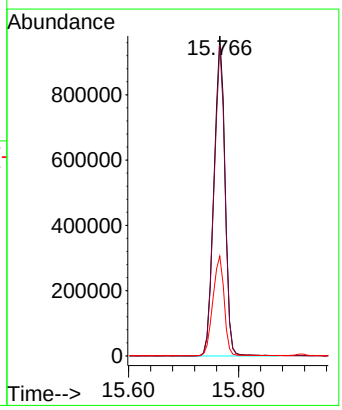
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

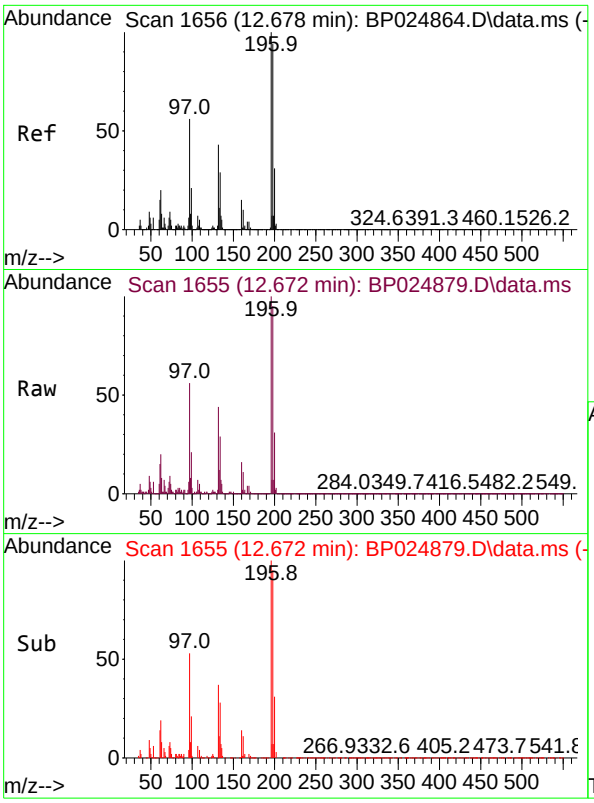


#42
2,4,6-Tribromophenol
Concen: 161.561 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:330 Resp: 1358561

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	32.0	26.4	39.6

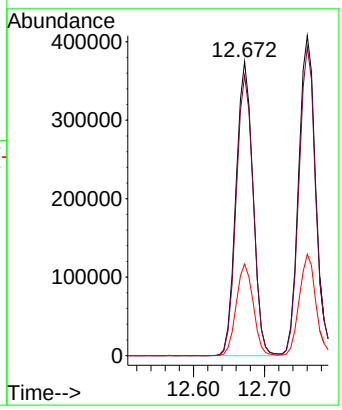




#43
2,4,6-Trichlorophenol
Concen: 53.491 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:196 Resp: 61997

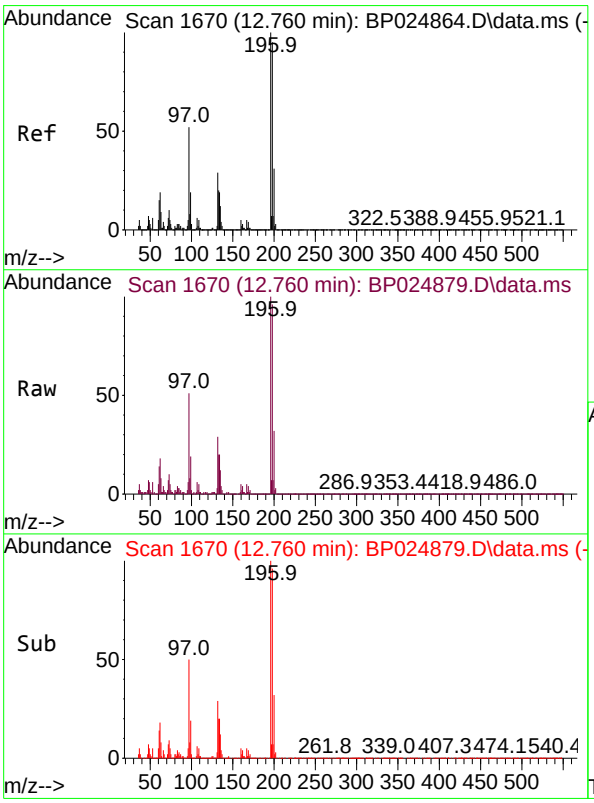
Ion	Ratio	Lower	Upper
196	100		
198	95.3	75.4	113.0
200	31.2	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

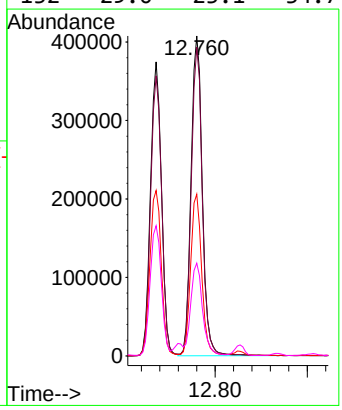
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

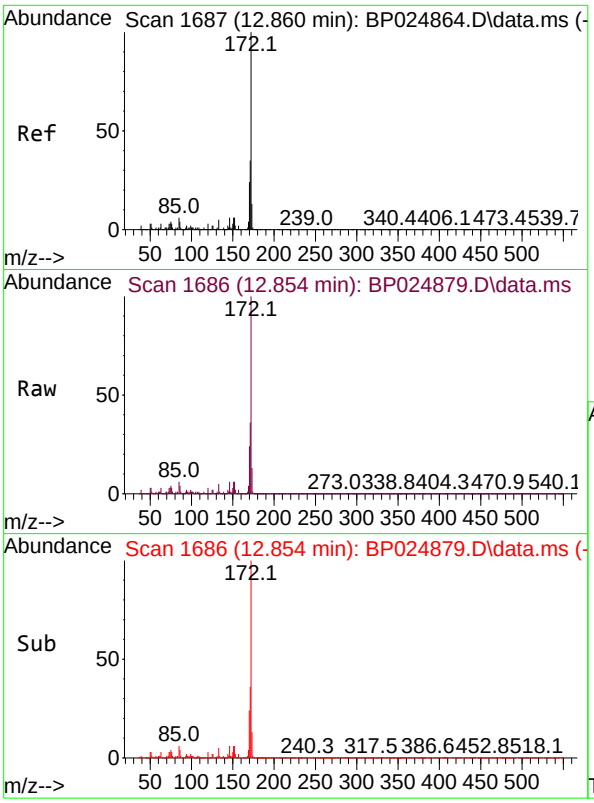


#44
2,4,5-Trichlorophenol
Concen: 55.567 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:196 Resp: 689722

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.0	114.0
97	50.5	41.5	62.3
132	29.0	23.1	34.7

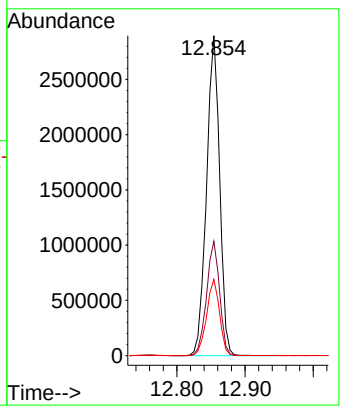




#45
2-Fluorobiphenyl
Concen: 85.613 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:172 Resp: 386537

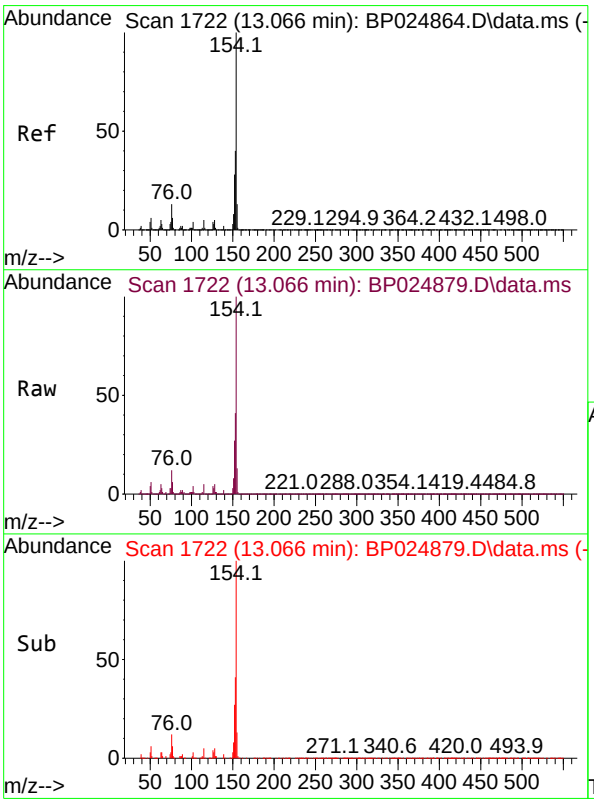
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

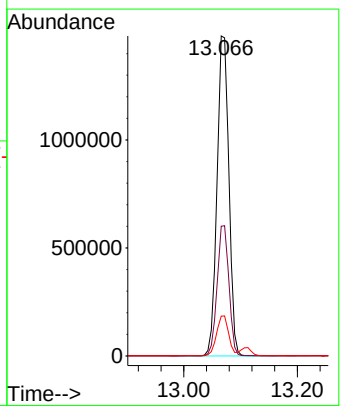
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

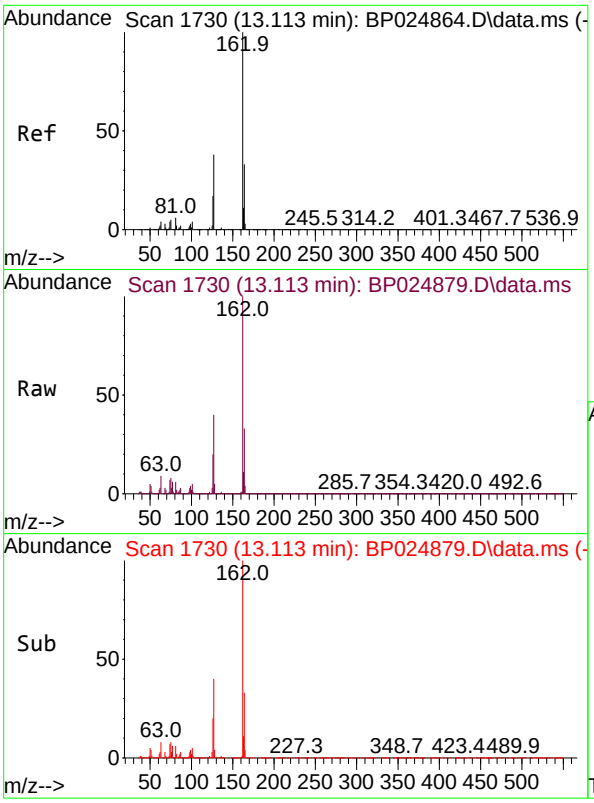


#46
1,1'-Biphenyl
Concen: 48.195 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:154 Resp: 2130271

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	12.5	0.0	33.0

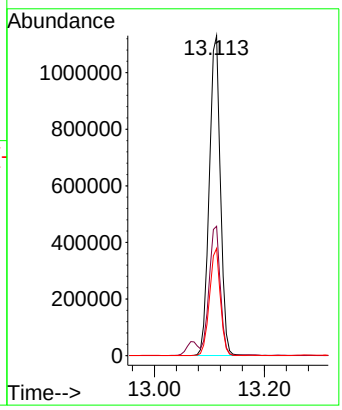




#47
2-Chloronaphthalene
Concen: 46.713 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:162 Resp: 158692

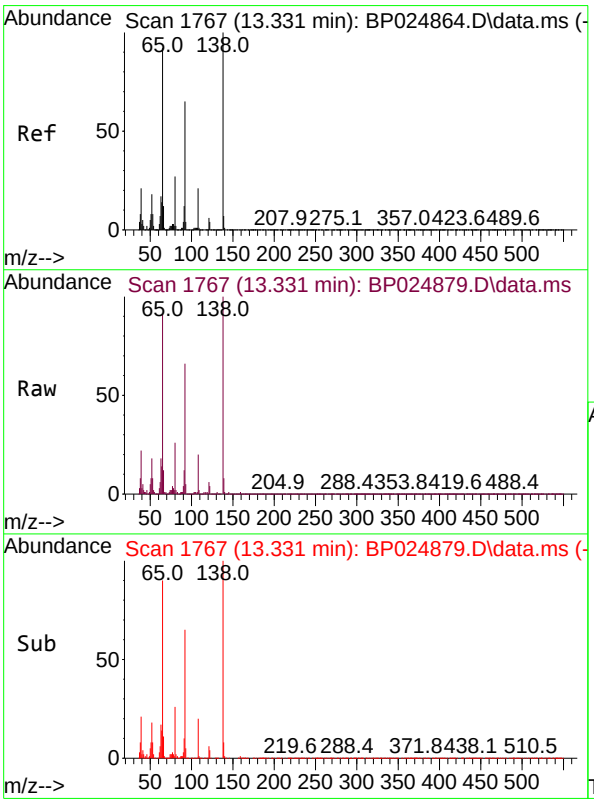
Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.5	48.7
164	33.5	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

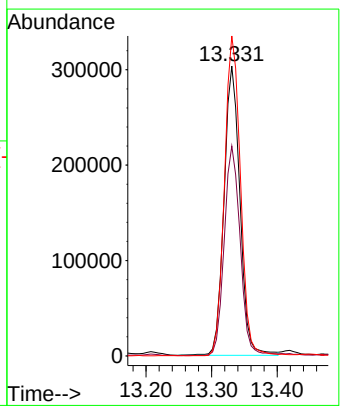
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

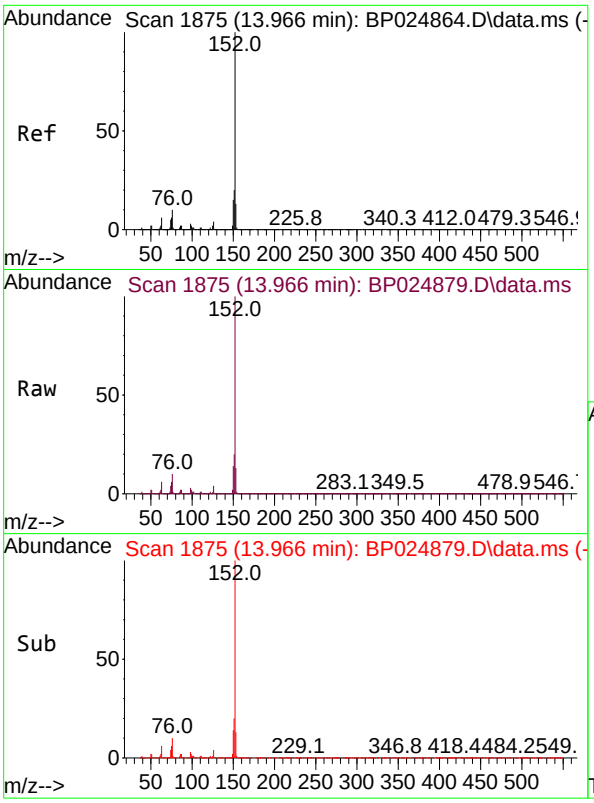


#48
2-Nitroaniline
Concen: 49.201 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 65 Resp: 513858

Ion	Ratio	Lower	Upper
65	100		
92	72.4	56.8	85.2
138	110.4	86.9	130.3

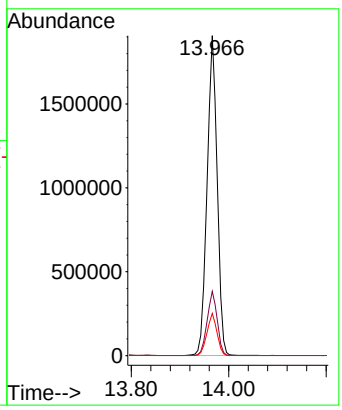




#49
Acenaphthylene
Concen: 48.695 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:152 Resp: 275827

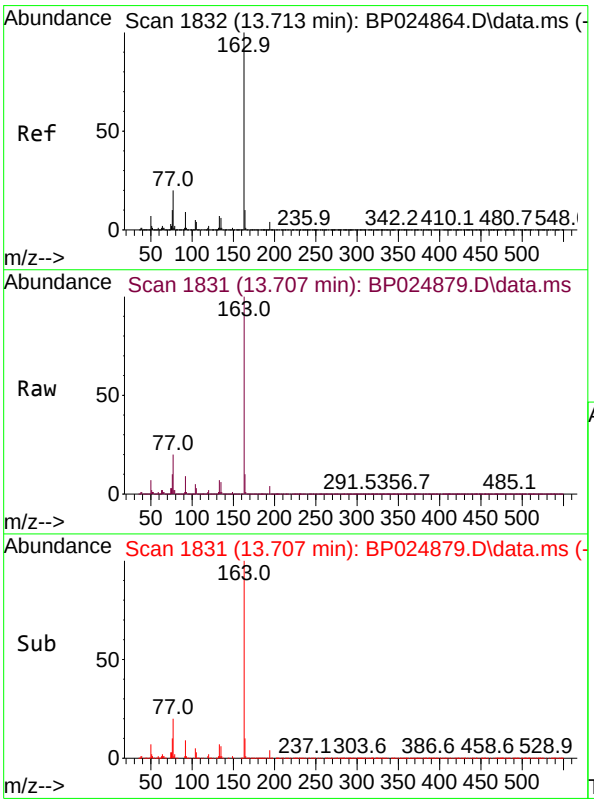
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

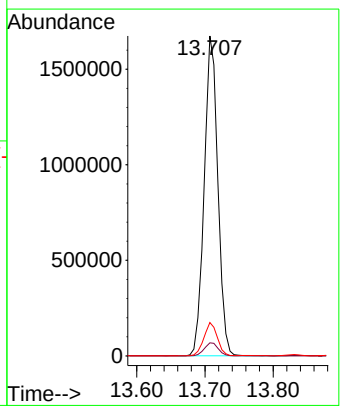
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

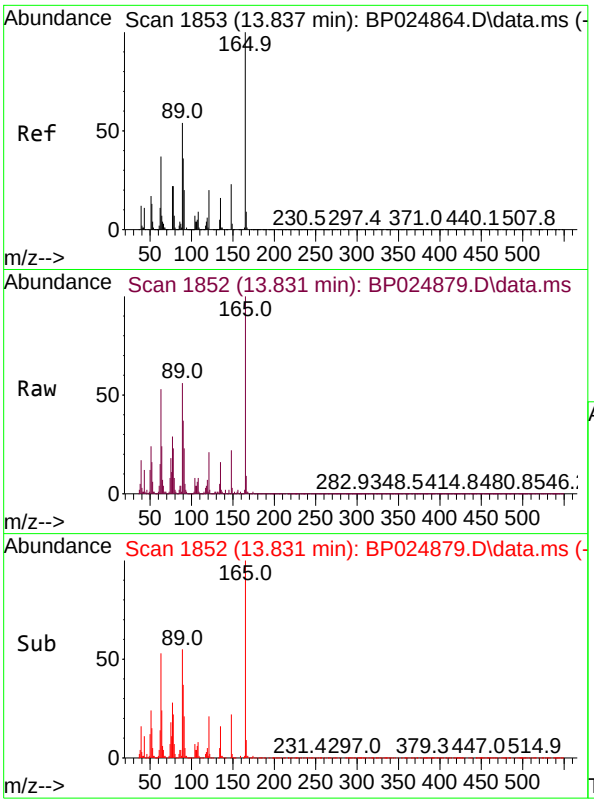


#50
Dimethylphthalate
Concen: 51.855 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:163 Resp: 2326607

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 53.809 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

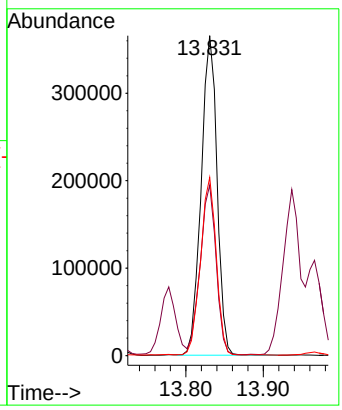
Tgt Ion:165 Resp: 52046

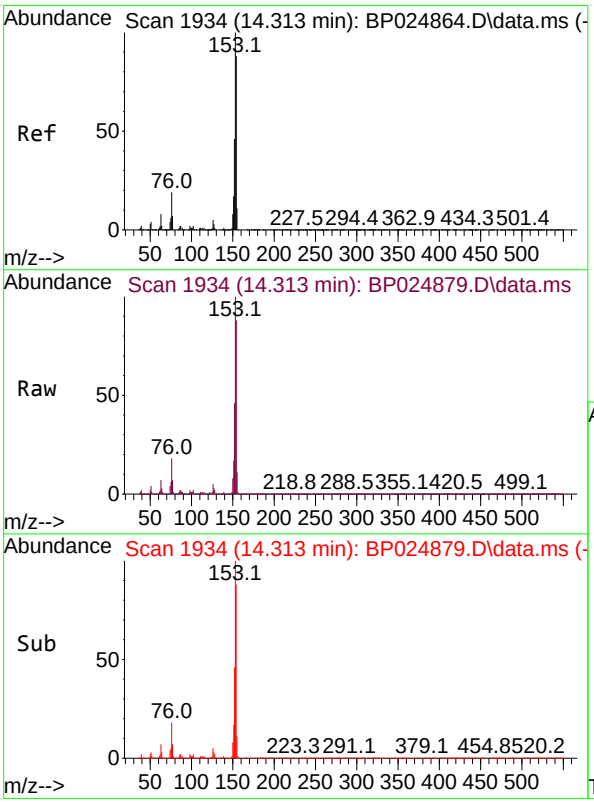
Ion	Ratio	Lower	Upper
165	100		
63	53.3	41.8	62.8
89	55.7	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

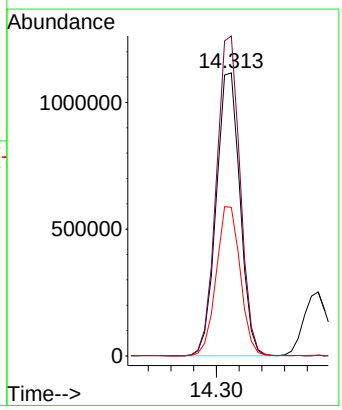


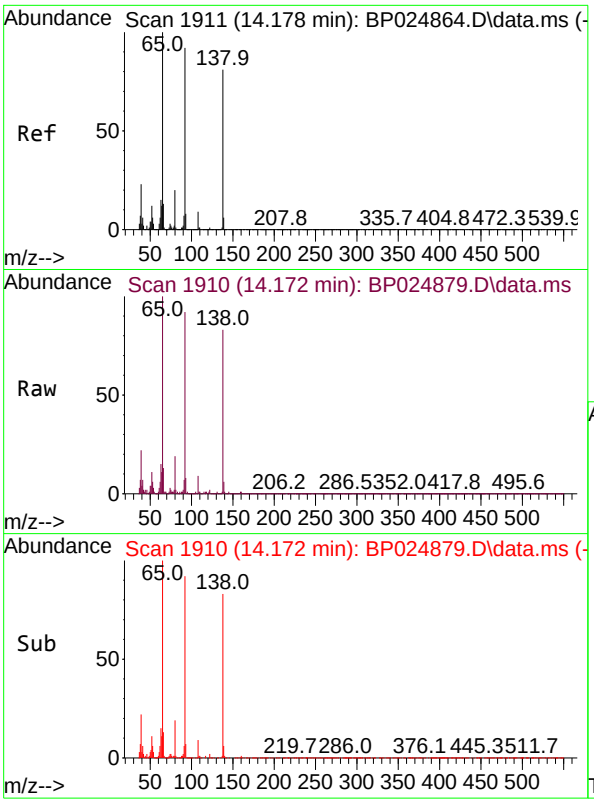


#52
Acenaphthene
Concen: 50.024 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:154 Resp: 1623696

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	52.5	42.1	63.1

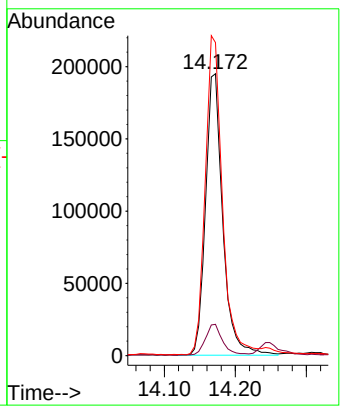




#53
3-Nitroaniline
Concen: 32.579 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:138 Resp: 32702

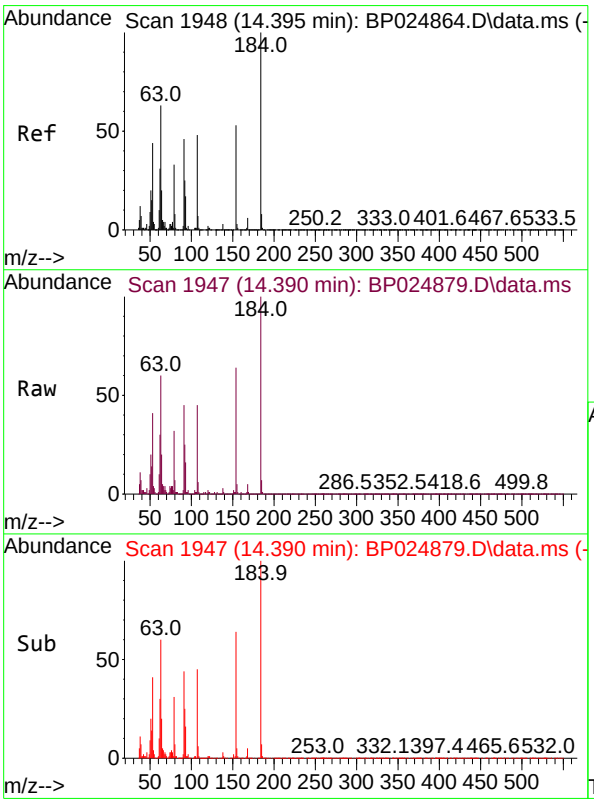
Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	111.1	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

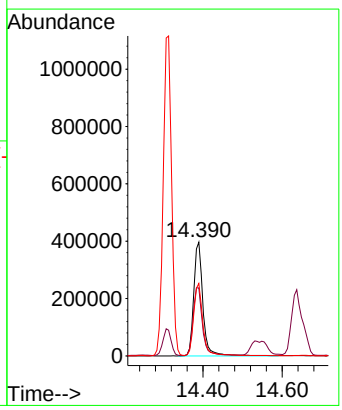
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

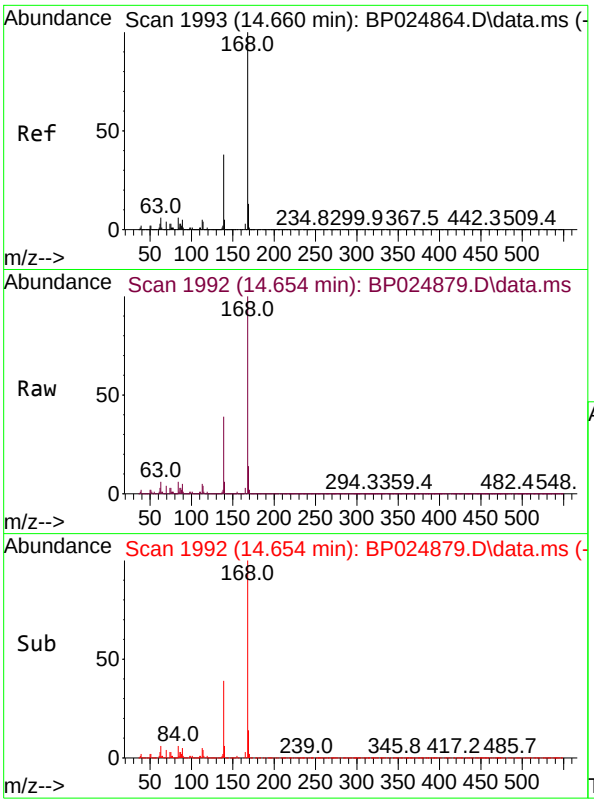


#54
2,4-Dinitrophenol
Concen: 98.895 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:184 Resp: 631766

Ion	Ratio	Lower	Upper
184	100		
63	59.9	51.0	76.4
154	63.7	51.7	77.5





#55
Dibenzofuran
Concen: 50.534 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

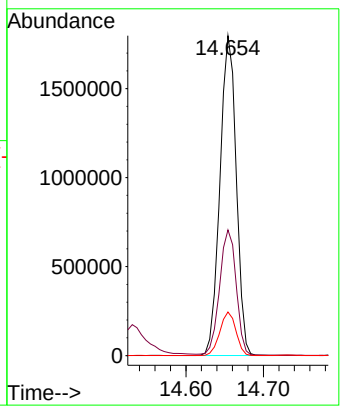
Tgt Ion:168 Resp: 263290

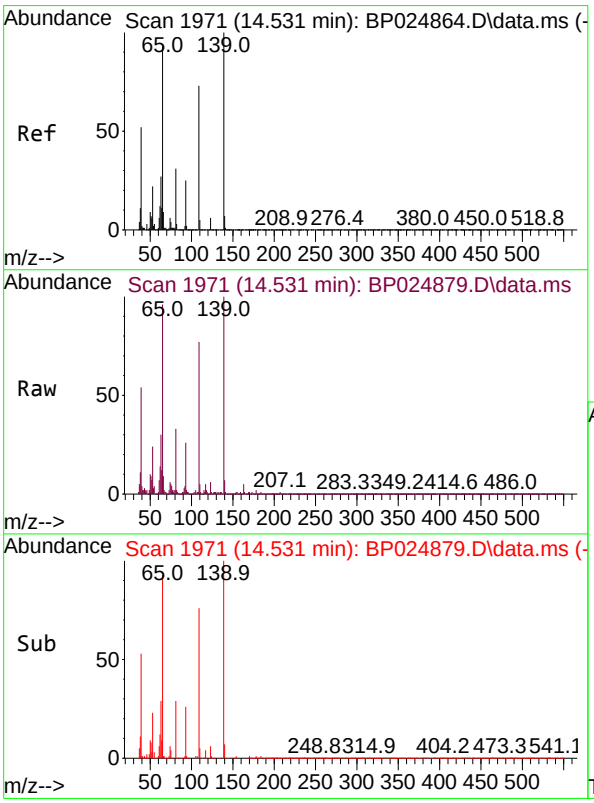
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.6	47.4
169	13.6	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

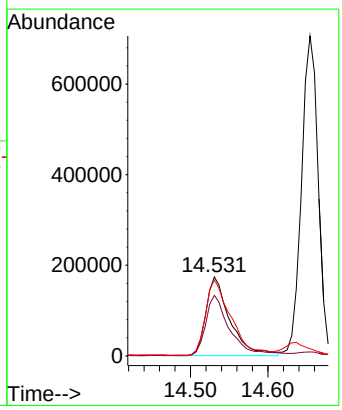


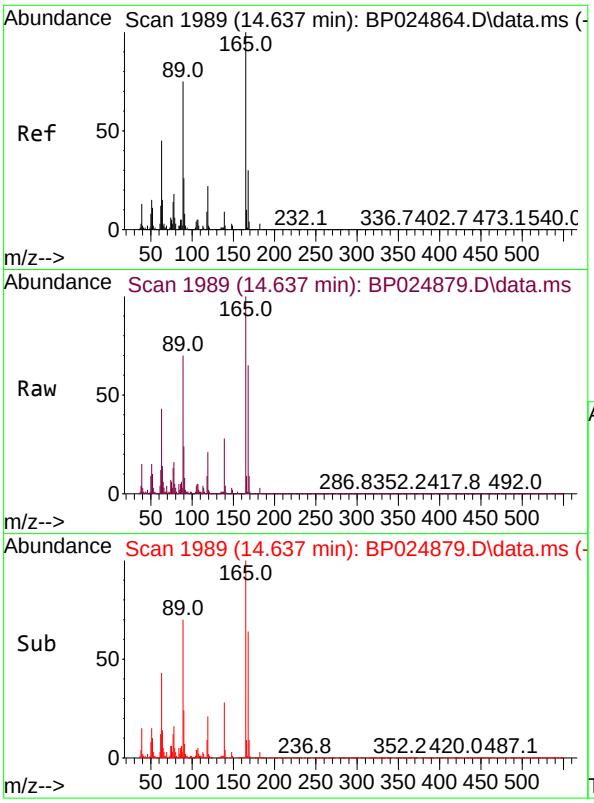


#56
4-Nitrophenol
Concen: 46.400 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:139 Resp: 373587

Ion	Ratio	Lower	Upper
139	100		
109	76.7	53.1	93.1
65	96.1	73.0	113.0

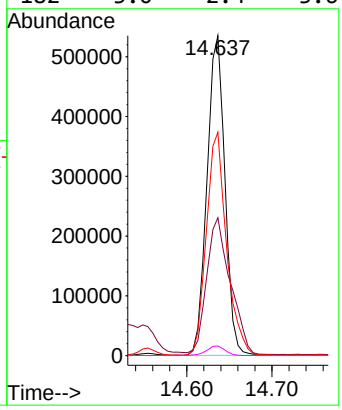




#57
2,4-Dinitrotoluene
Concen: 57.752 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:165 Resp: 781391

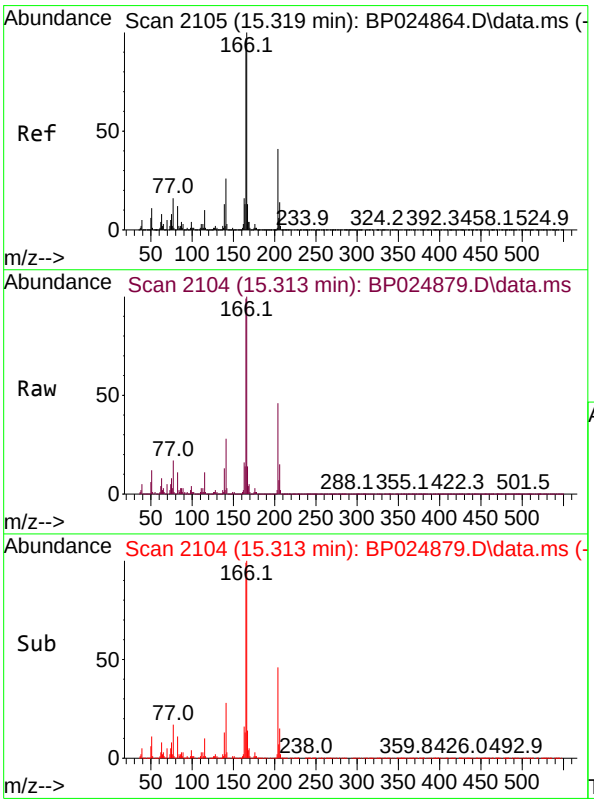
Ion	Ratio	Lower	Upper
165	100		
63	43.1	37.0	55.6
89	69.8	60.1	90.1
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

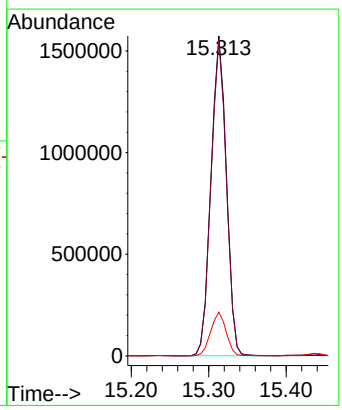
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

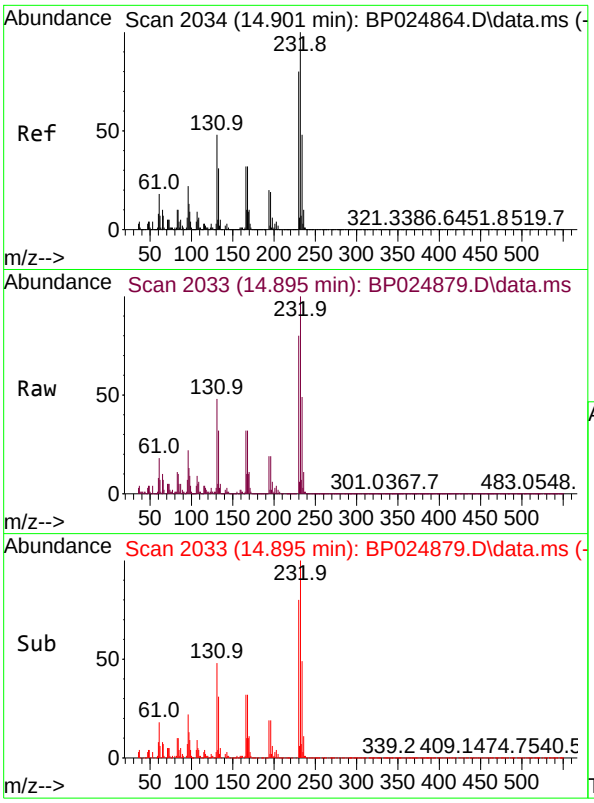


#58
Fluorene
Concen: 51.633 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:166 Resp: 2173195

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.7	116.5
167	13.7	10.6	16.0

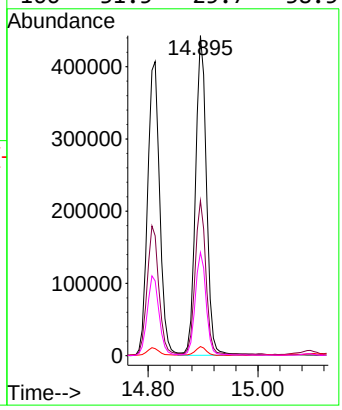




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.416 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:232 Resp: 61457

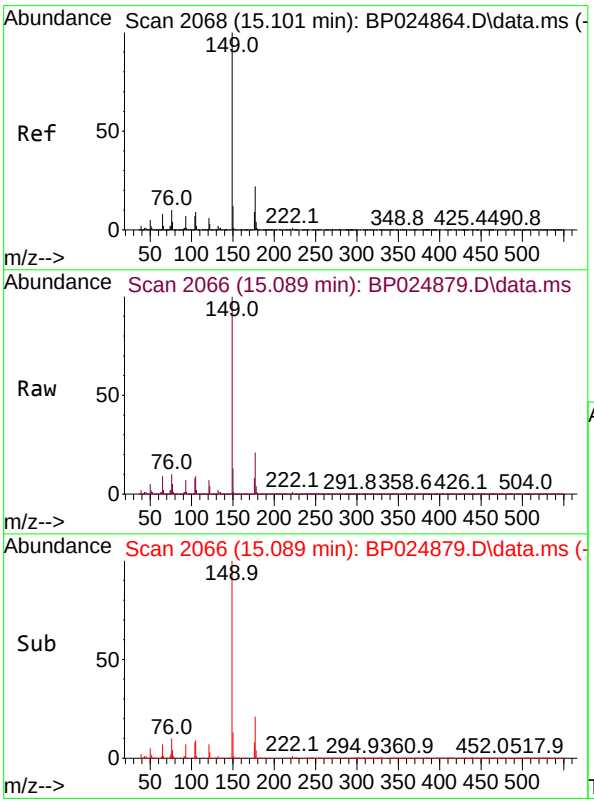
Ion	Ratio	Lower	Upper
232	100		
131	46.6	38.2	57.2
130	2.8	2.1	3.1
166	31.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

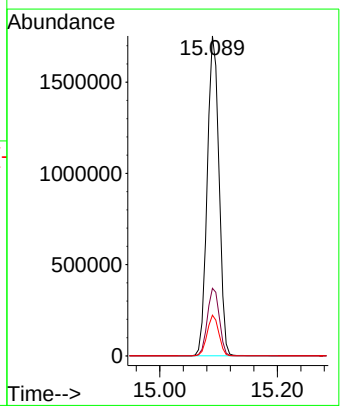
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

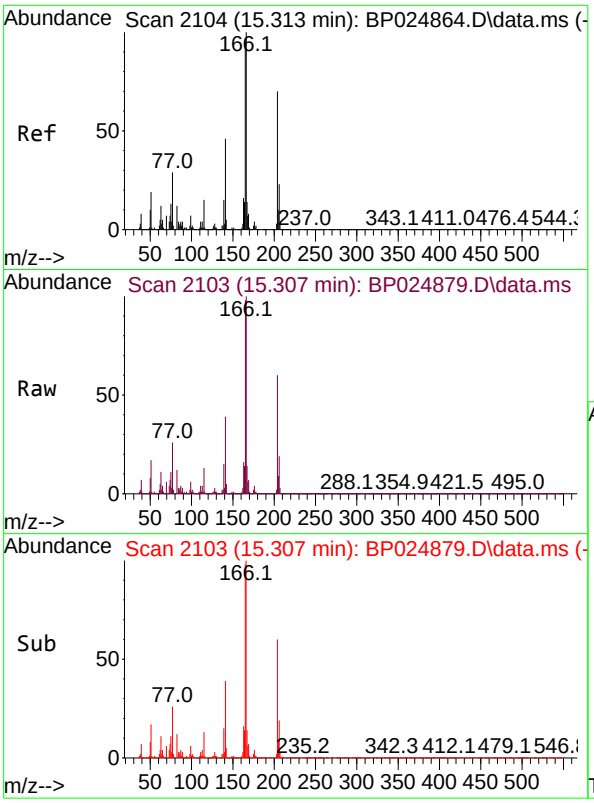


#60
Diethylphthalate
Concen: 54.419 ng
RT: 15.089 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 2433354

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.9	26.9
150	12.7	9.8	14.6

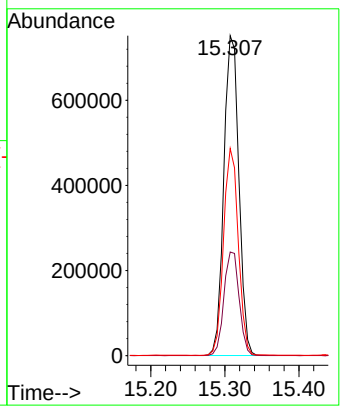




#61
4-Chlorophenyl-phenylether
Concen: 51.423 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:204 Resp: 105825

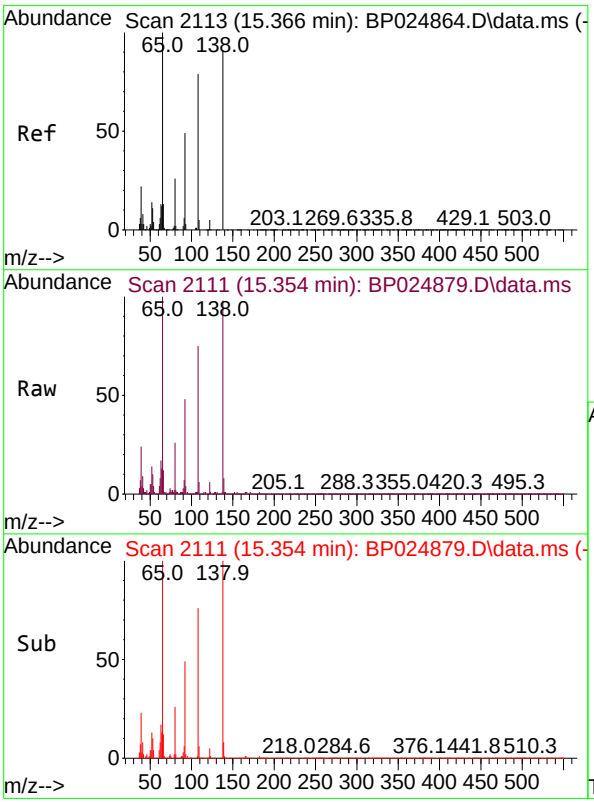
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	64.7	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

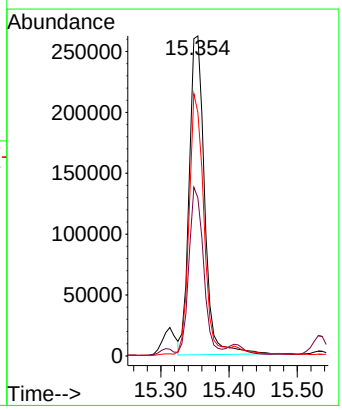
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

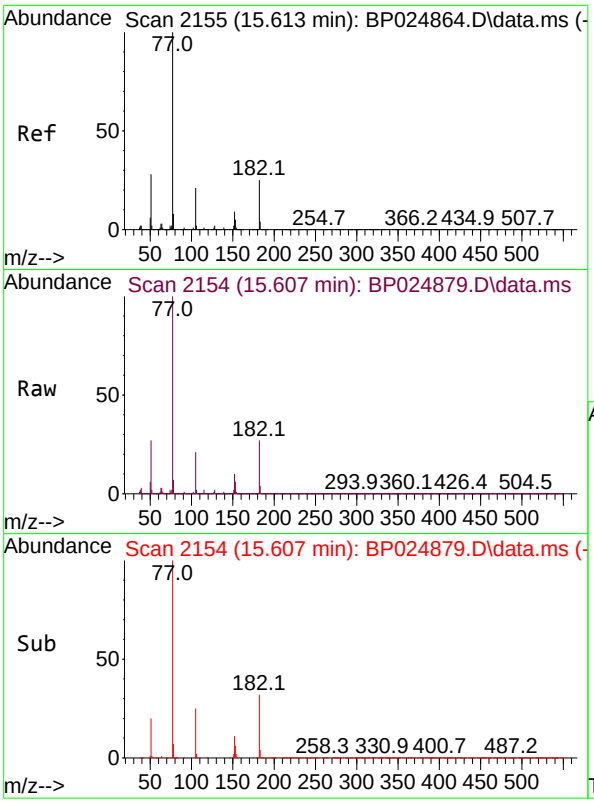


#62
4-Nitroaniline
Concen: 45.131 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:138 Resp: 410751

Ion	Ratio	Lower	Upper
138	100		
92	49.4	33.5	73.5
108	76.0	65.1	105.1





#63
Azobenzene
Concen: 53.685 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

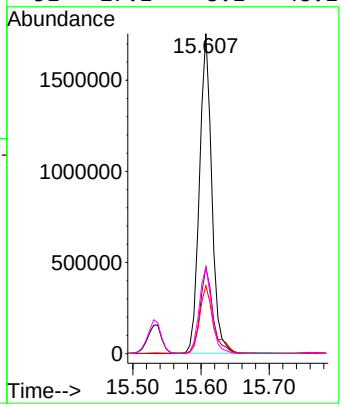
Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

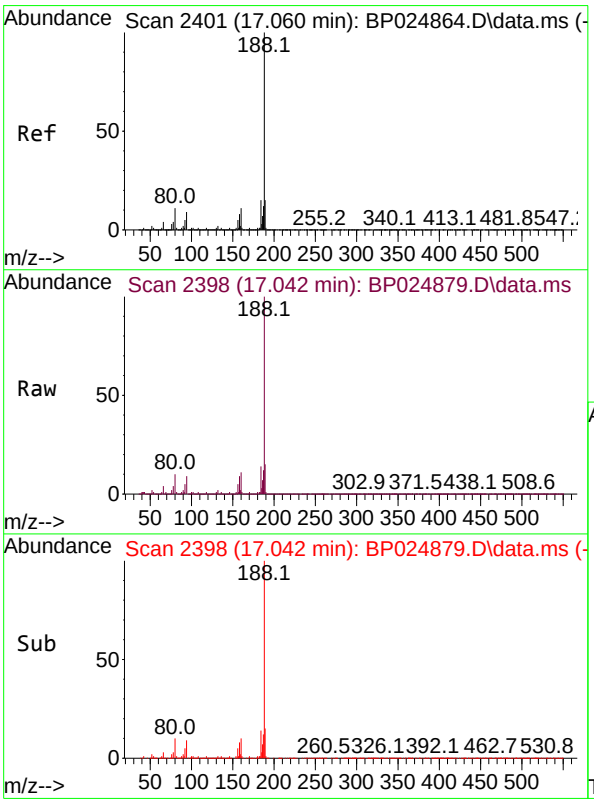
Tgt Ion: 77 Resp: 220163

Ion	Ratio	Lower	Upper
77	100		
182	27.0	5.4	45.4
105	21.2	0.8	40.8
51	27.1	8.1	48.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

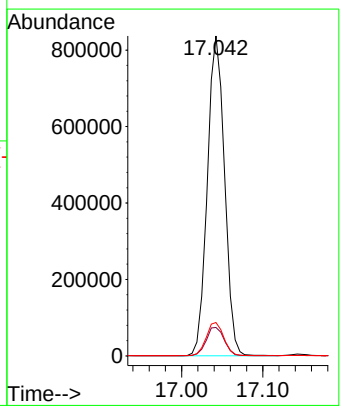


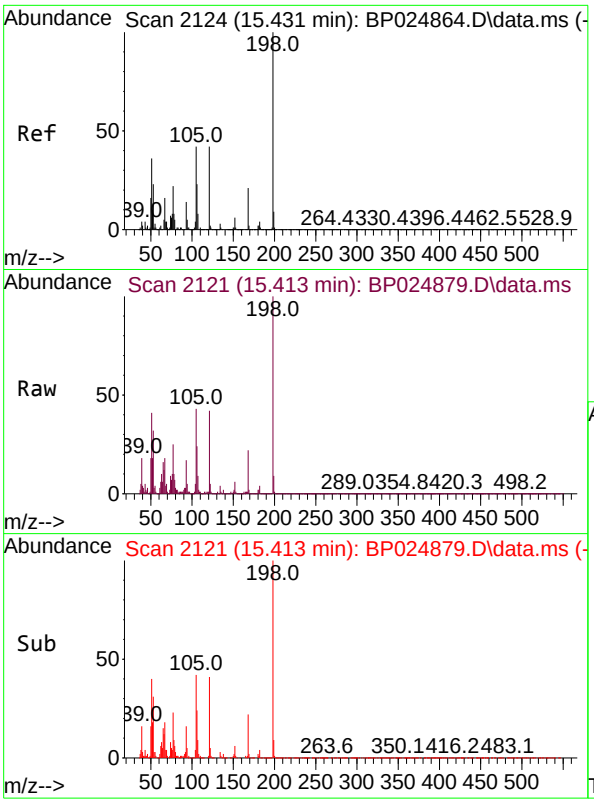


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:188 Resp: 1235201

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	10.4	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 51.415 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

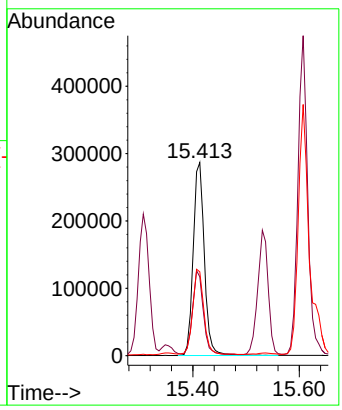
Tgt Ion:198 Resp: 41730

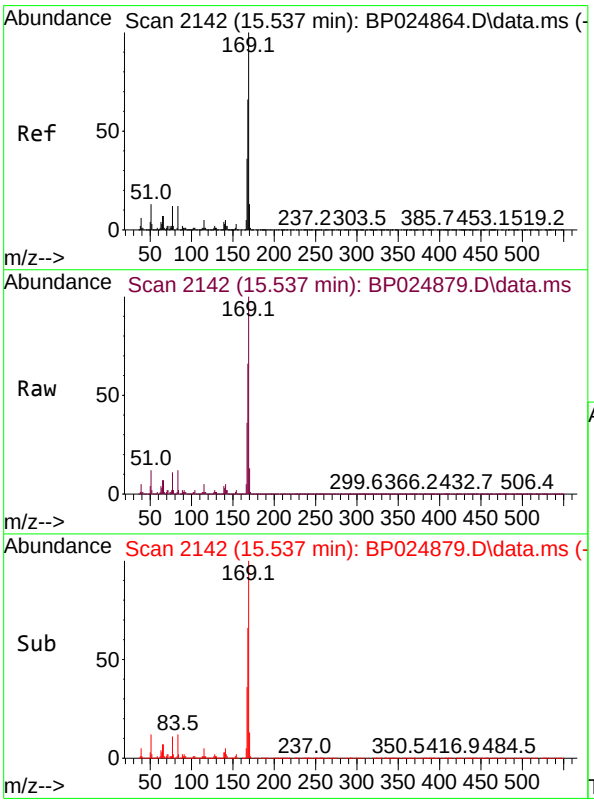
Ion	Ratio	Lower	Upper
198	100		
51	40.8	19.2	59.2
105	43.4	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

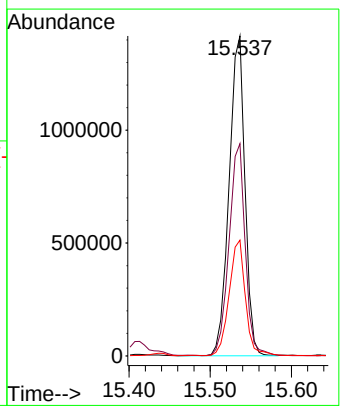


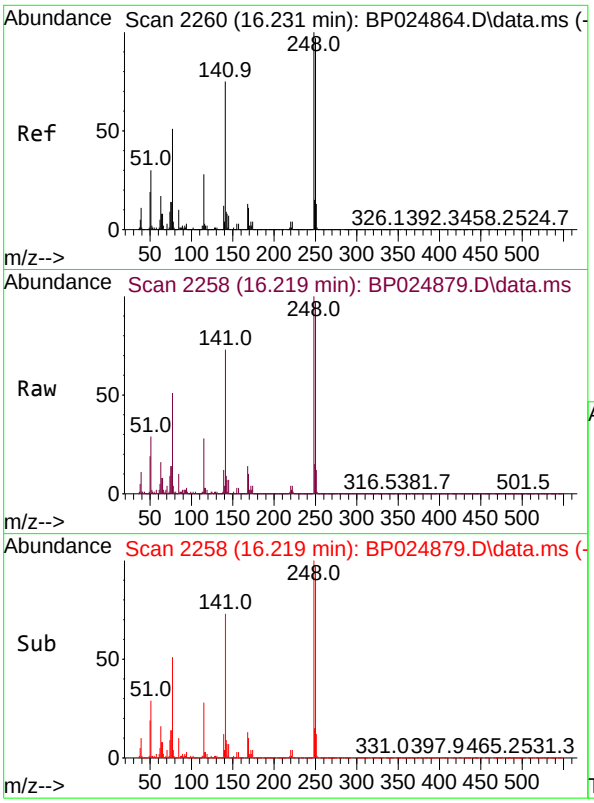


#66
n-Nitrosodiphenylamine
Concen: 50.300 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:169 Resp: 1925767

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.2	28.6	43.0

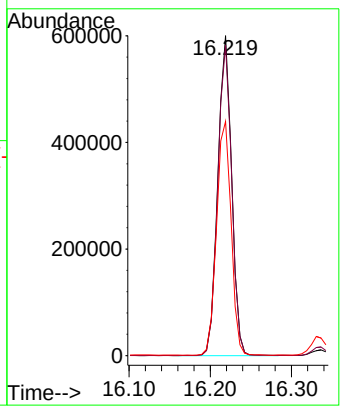




#67
4-Bromophenyl-phenylether
Concen: 50.892 ng
RT: 16.219 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:248 Resp: 70928

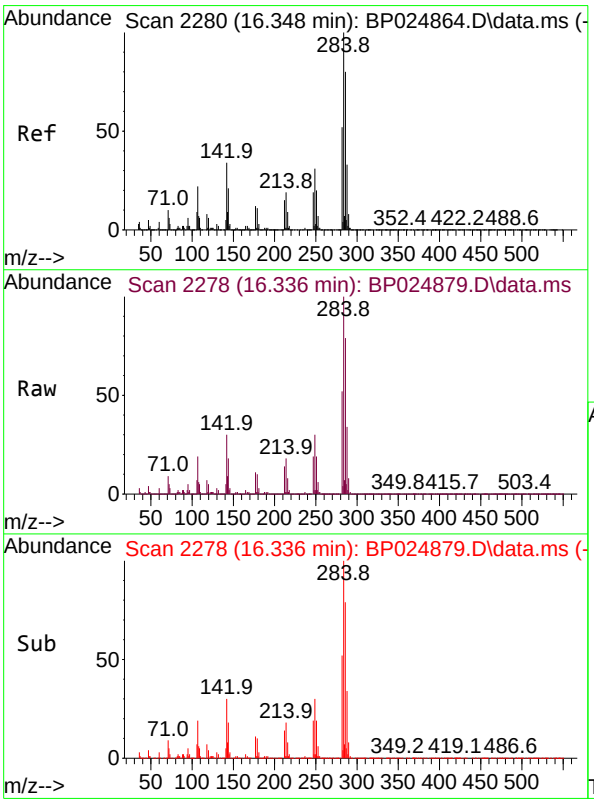
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.4	116.2
141	73.2	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

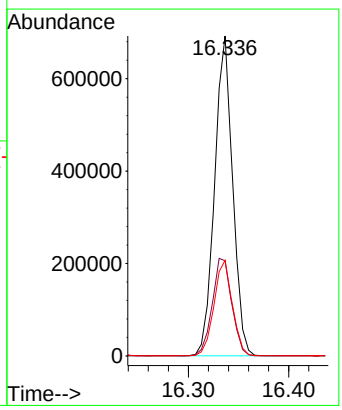
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

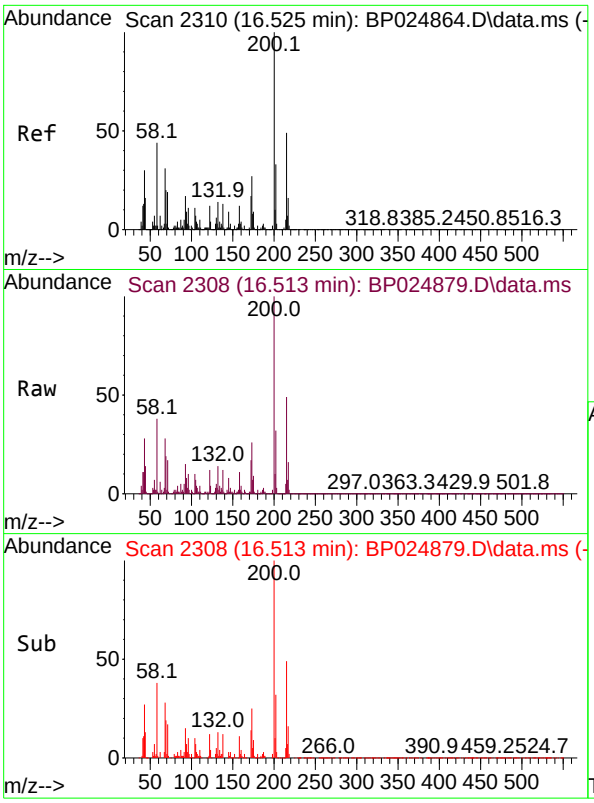


#68
Hexachlorobenzene
Concen: 51.306 ng
RT: 16.336 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:284 Resp: 866860

Ion	Ratio	Lower	Upper
284	100		
142	29.7	27.0	40.6
249	29.9	25.0	37.6

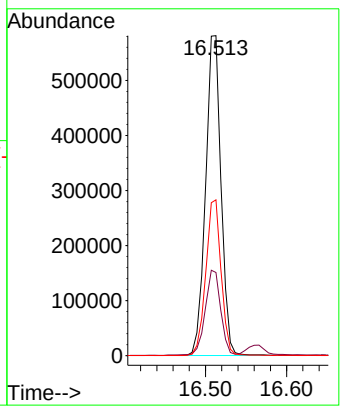




#69
Atrazine
Concen: 55.473 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:200 Resp: 76992

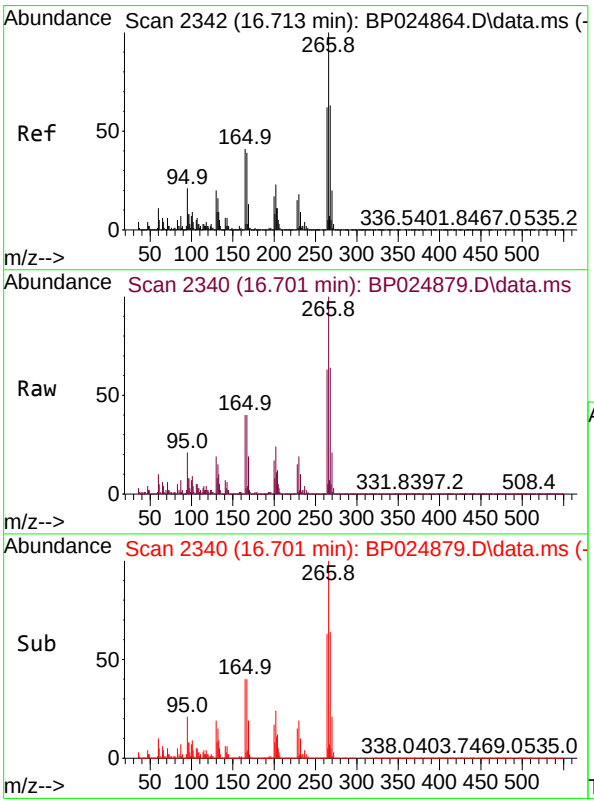
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.9	46.9
215	48.7	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

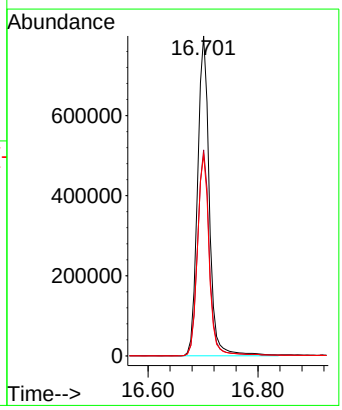
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

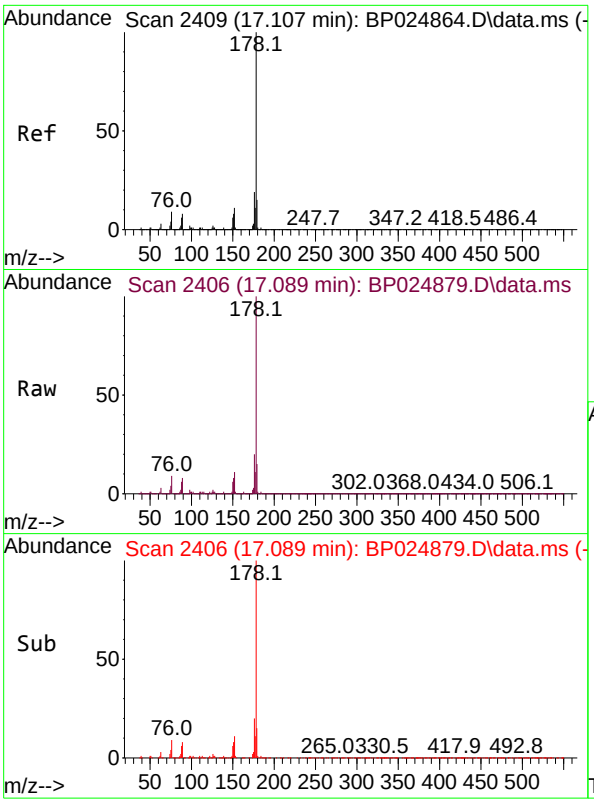


#70
Pentachlorophenol
Concen: 135.284 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:266 Resp: 1182979

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.6	76.0
264	62.9	49.7	74.5





#71
Phenanthrene
Concen: 51.597 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

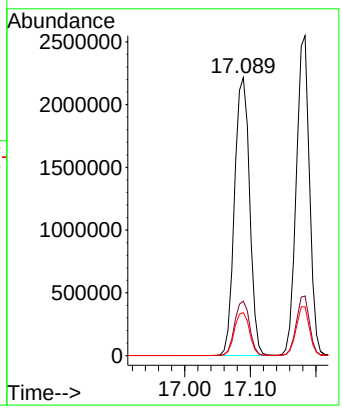
Tgt Ion:178 Resp: 352195

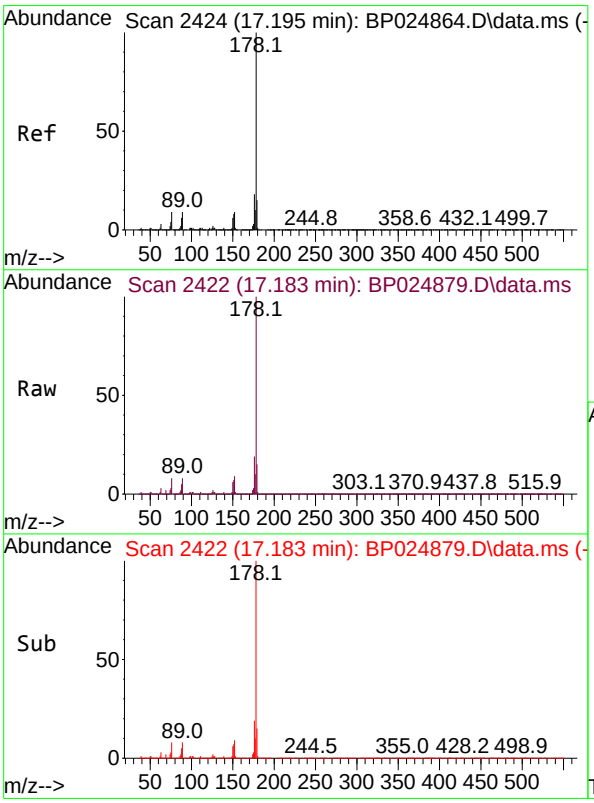
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.5	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

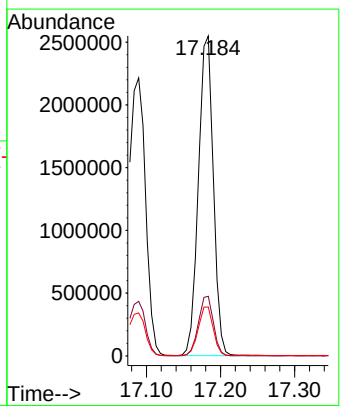


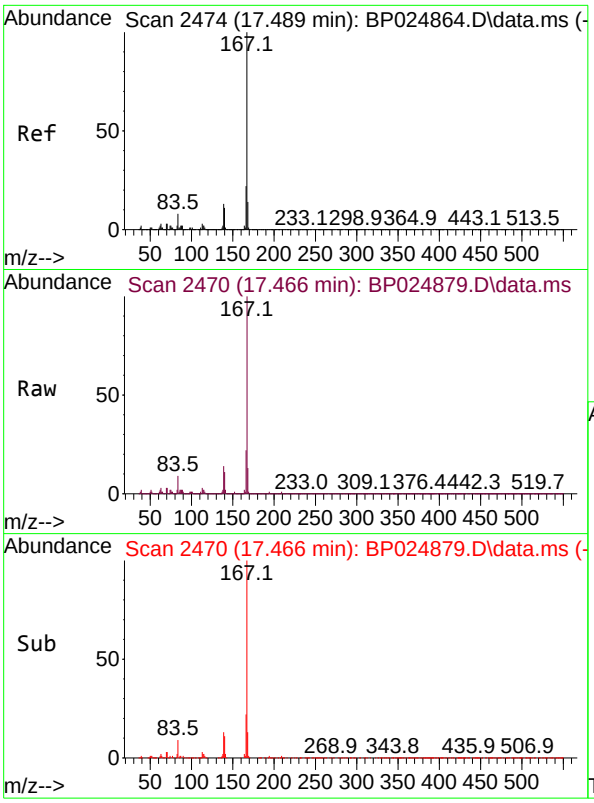


#72
Anthracene
Concen: 51.681 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:178 Resp: 3572743

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.3	18.5

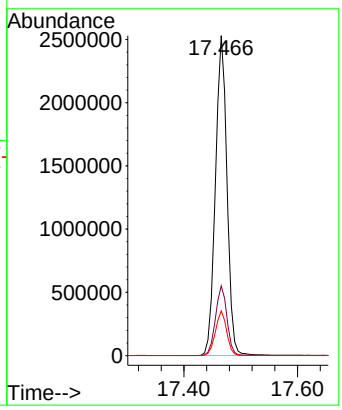




#73
Carbazole
Concen: 55.611 ng
RT: 17.466 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:167 Resp: 356337

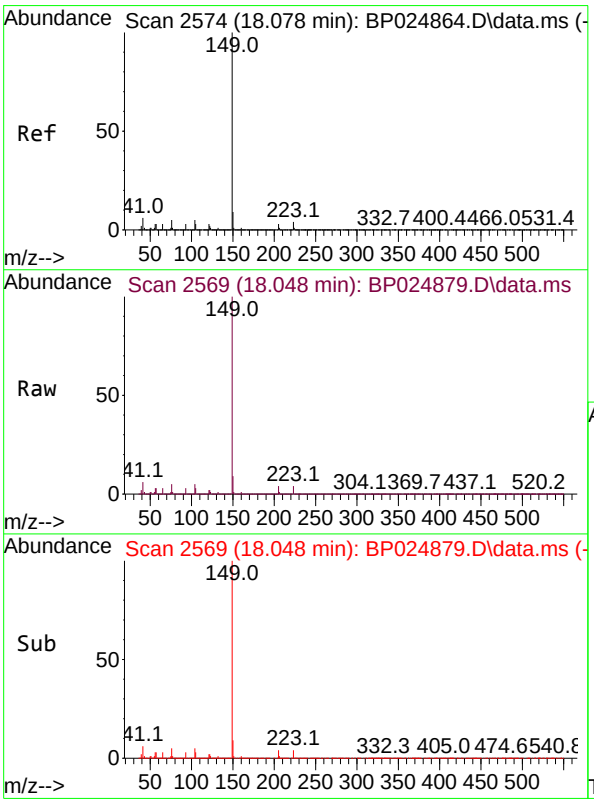
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	14.0	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

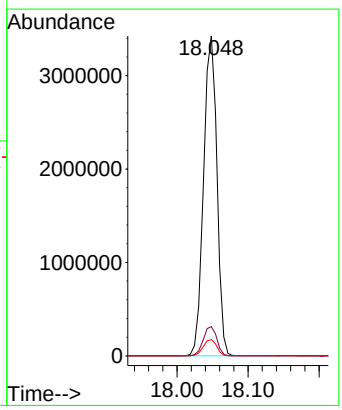
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

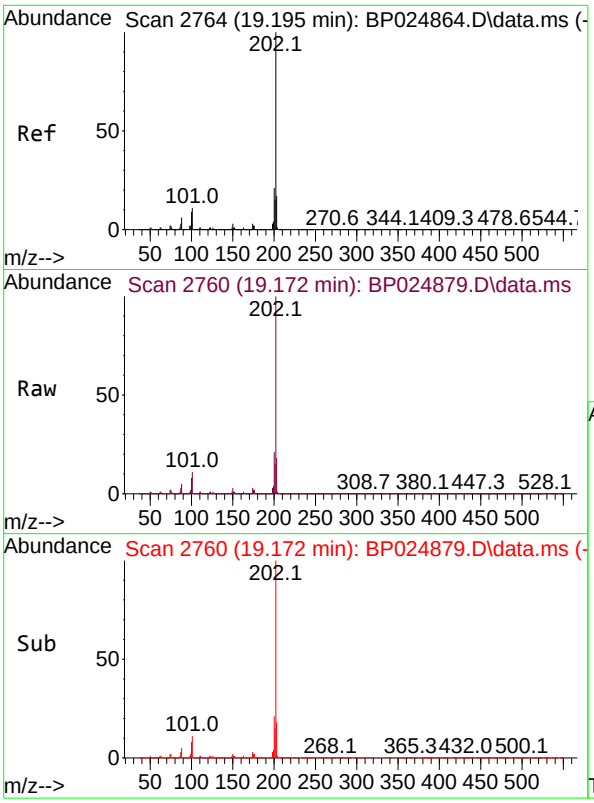


#74
Di-n-butylphthalate
Concen: 56.055 ng
RT: 18.048 min Scan# 2569
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 4450239

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.1	4.2	6.2





#75
Fluoranthene
Concen: 55.394 ng
RT: 19.172 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

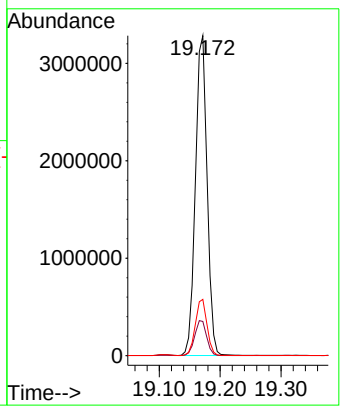
Tgt Ion:202 Resp: 438248

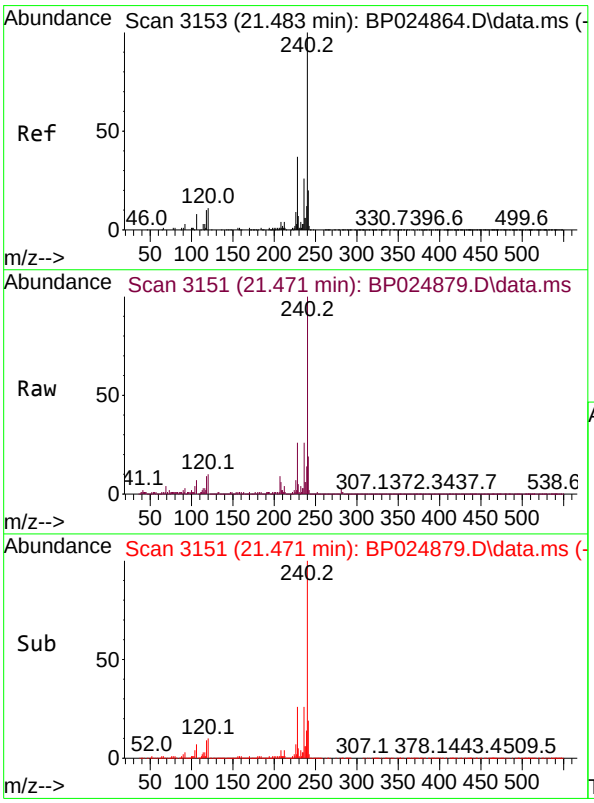
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.6	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

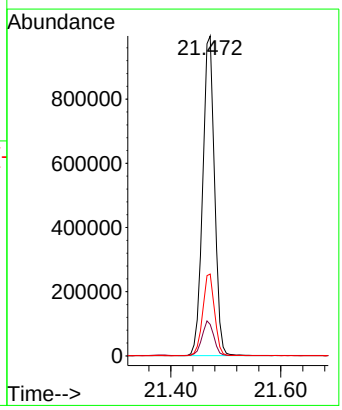


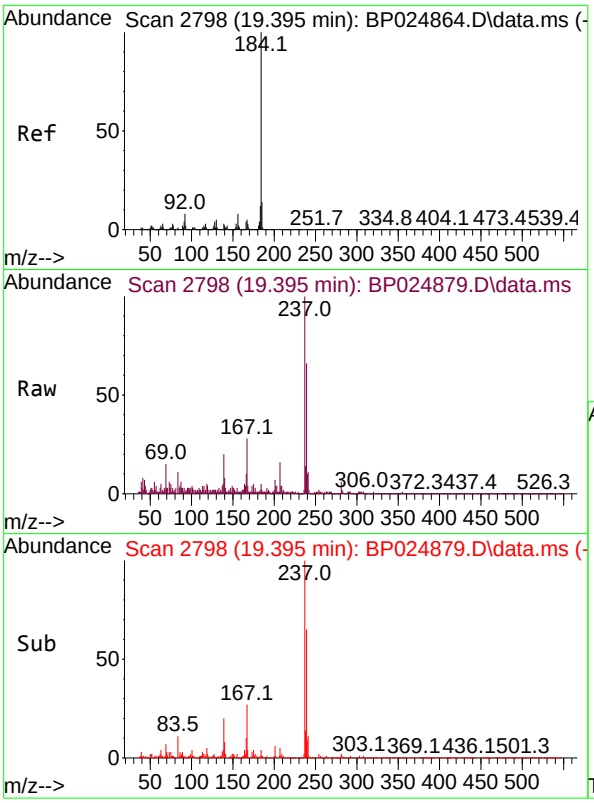


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:240 Resp: 1490396

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.9	13.3
236	25.6	20.9	31.3

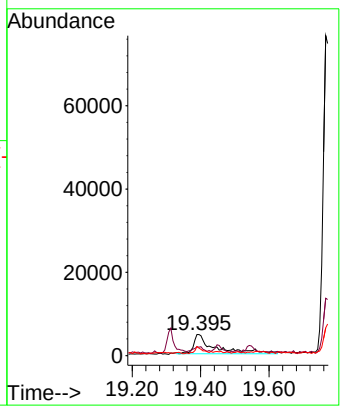




#77
Benzidine
Concen: 0.442 ng m
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:184 Resp: 2041

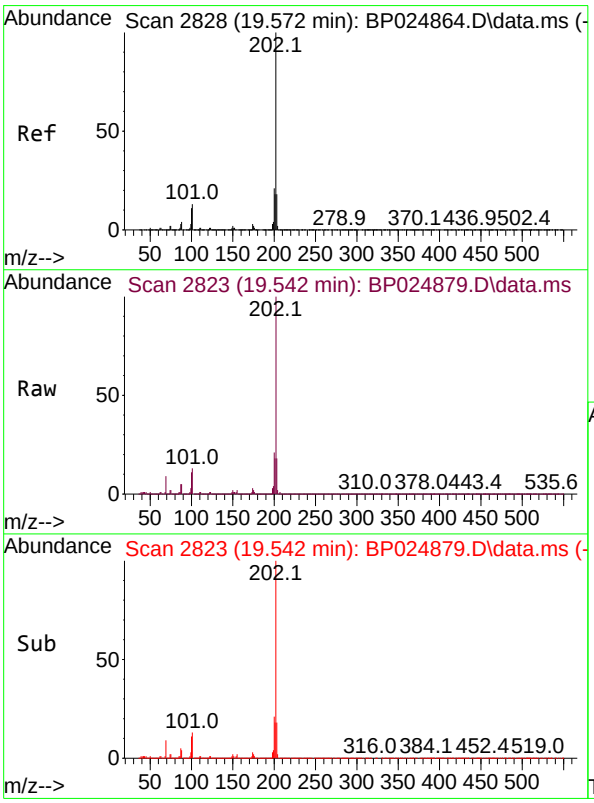
Ion	Ratio	Lower	Upper
184	100		
185	39.8	11.4	17.0#
183	35.8	9.5	14.3#



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

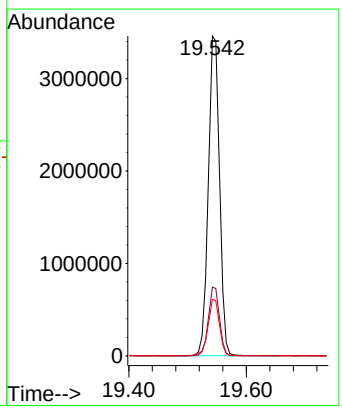
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

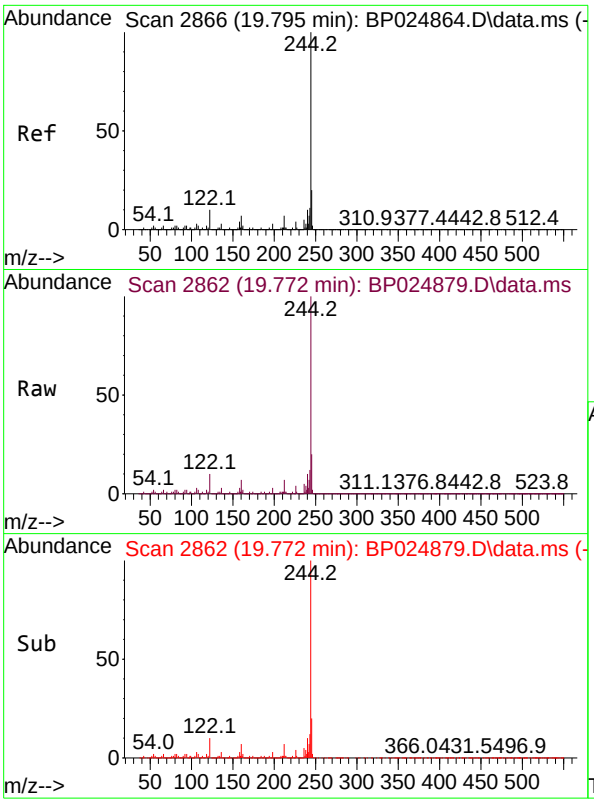


#78
Pyrene
Concen: 49.362 ng
RT: 19.542 min Scan# 2823
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:202 Resp: 4596154

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.7	14.0	21.0

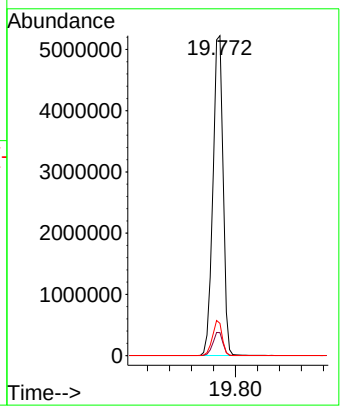




#79
Terphenyl-d14
Concen: 80.403 ng
RT: 19.772 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:244 Resp: 668616

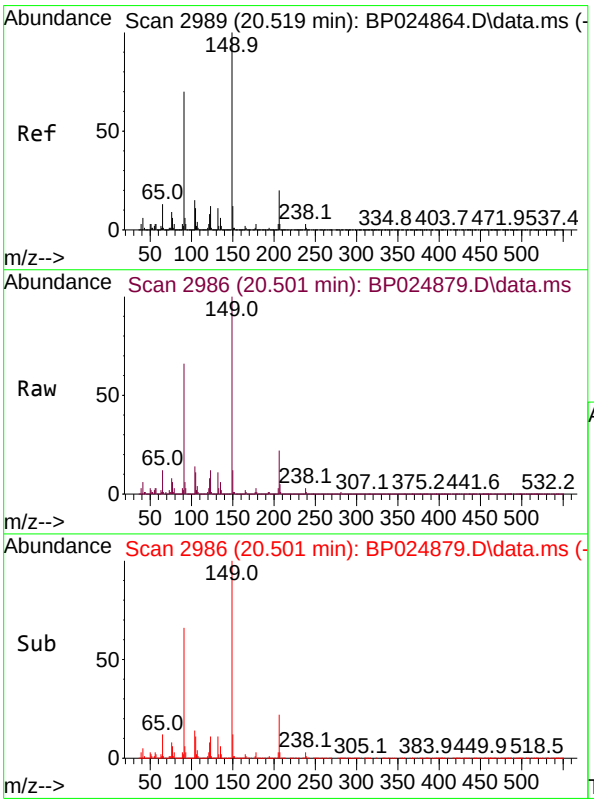
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.1	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

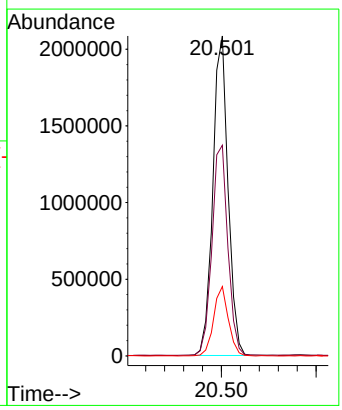
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

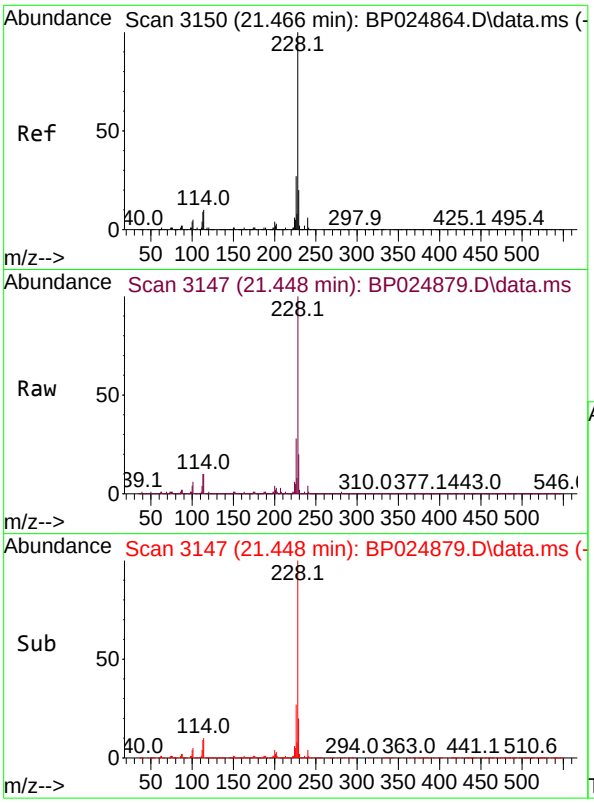


#80
Butylbenzylphthalate
Concen: 54.521 ng
RT: 20.501 min Scan# 2986
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 2325334

Ion	Ratio	Lower	Upper
149	100		
91	65.8	55.8	83.8
206	21.7	16.2	24.2

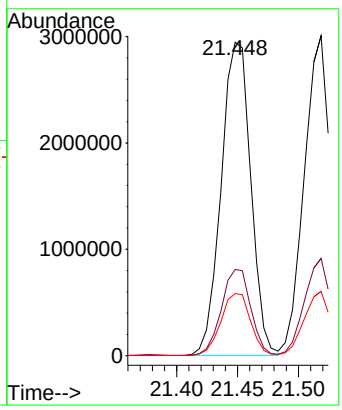




#81
Benzo(a)anthracene
Concen: 52.380 ng
RT: 21.448 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:228 Resp: 499299

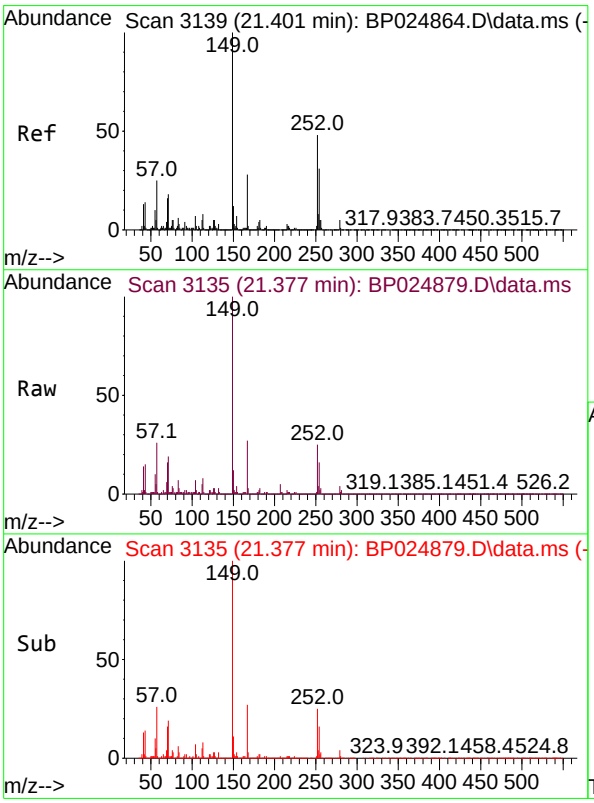
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

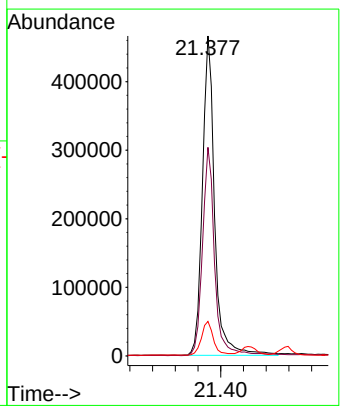
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

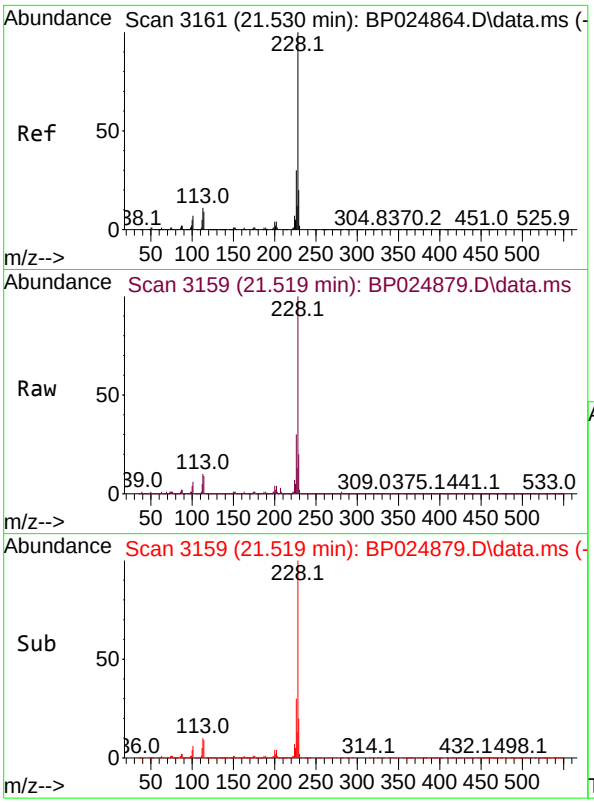


#82
3,3'-Dichlorobenzidine
Concen: 18.352 ng
RT: 21.377 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 694512

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.2	76.8
126	10.8	8.6	12.8

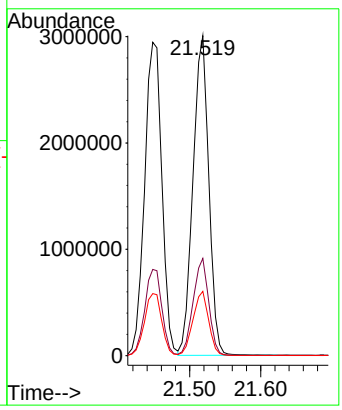




#83
Chrysene
Concen: 51.249 ng
RT: 21.519 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:228 Resp: 462889

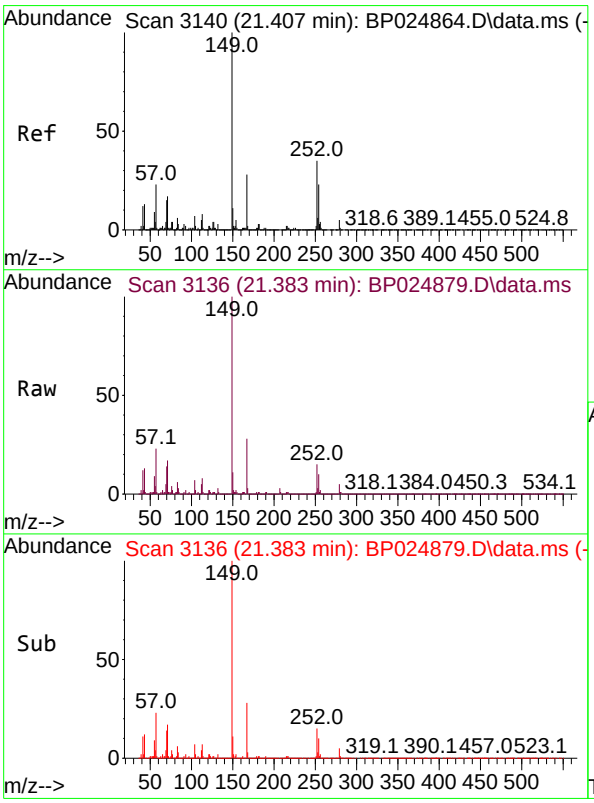
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	20.1	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

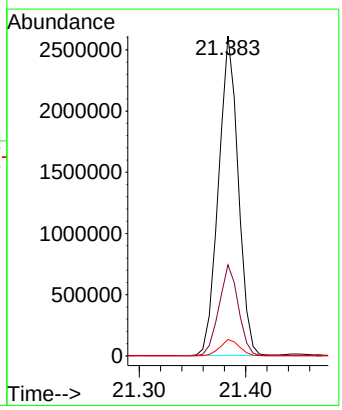
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

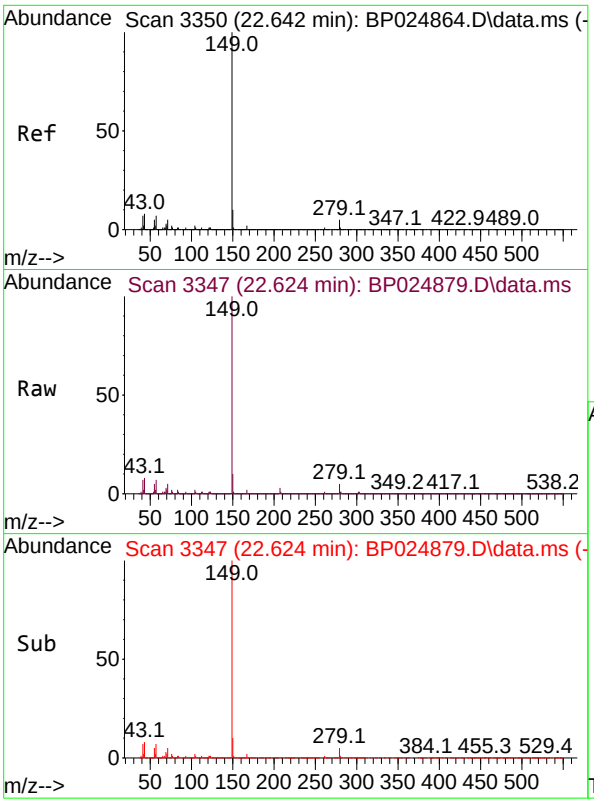


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.031 ng
RT: 21.383 min Scan# 3136
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 3362786

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.1	4.0	6.0

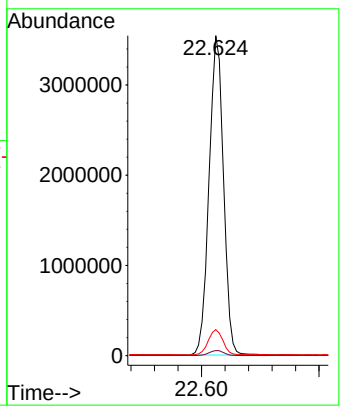




#85
Di-n-octyl phthalate
Concen: 56.069 ng
RT: 22.624 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 603903

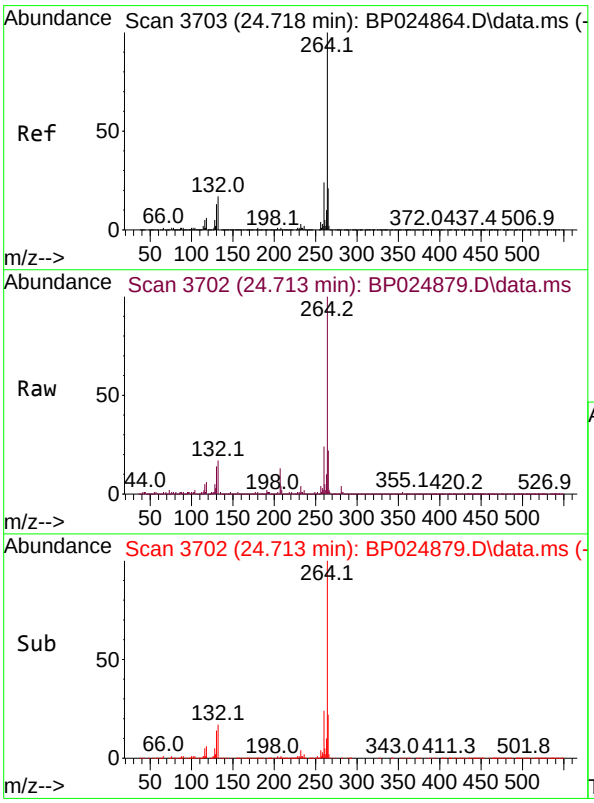
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

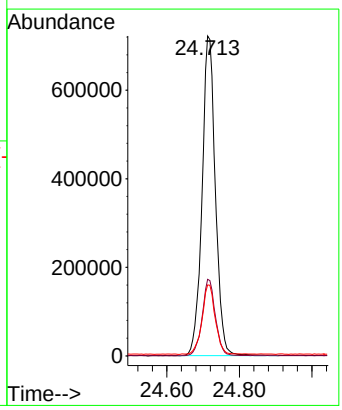
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

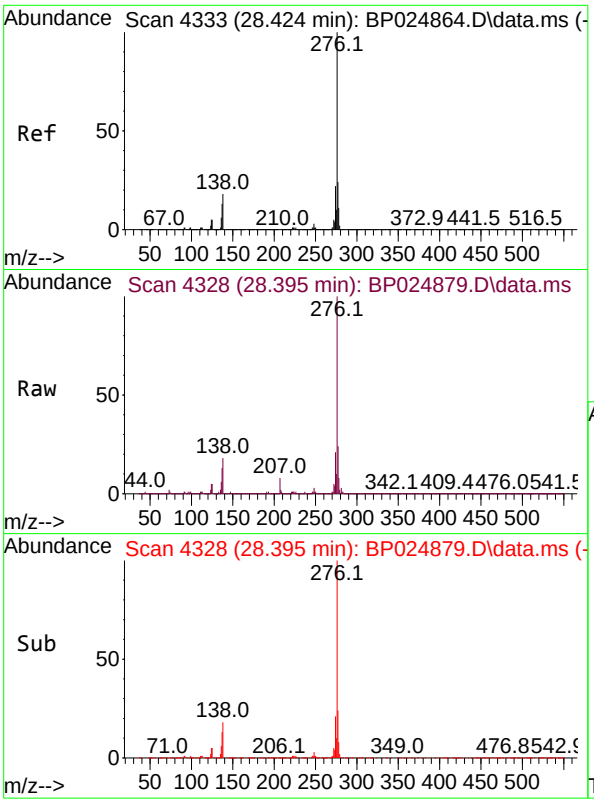


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.713 min Scan# 3702
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:264 Resp: 1839742

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	22.2	17.4	26.0

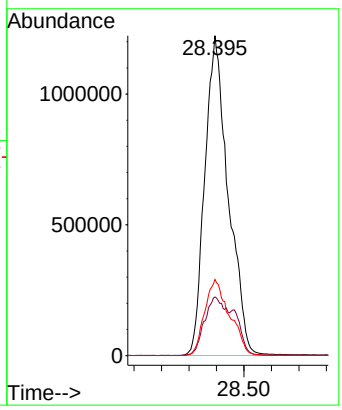




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.022 ng
RT: 28.395 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:276 Resp: 725148

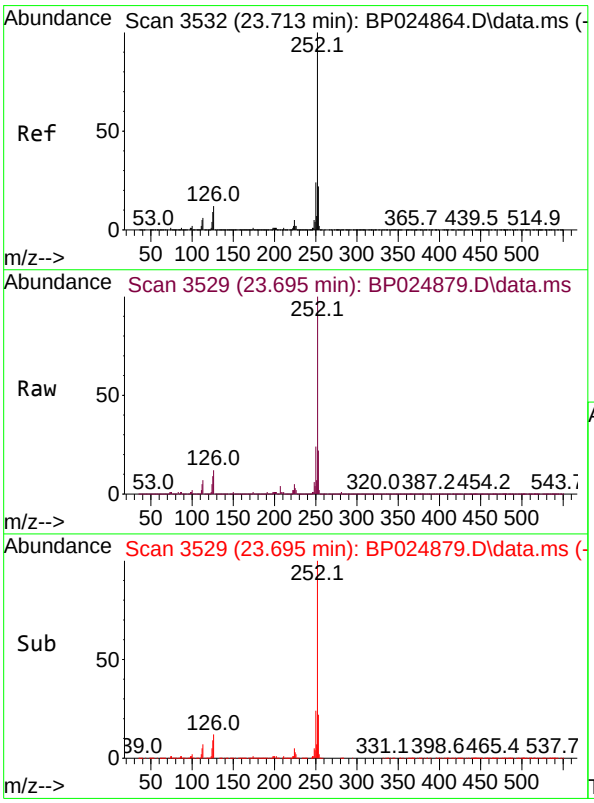
Ion	Ratio	Lower	Upper
276	100		
138	16.9	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

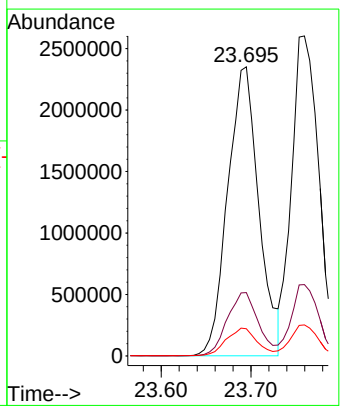
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

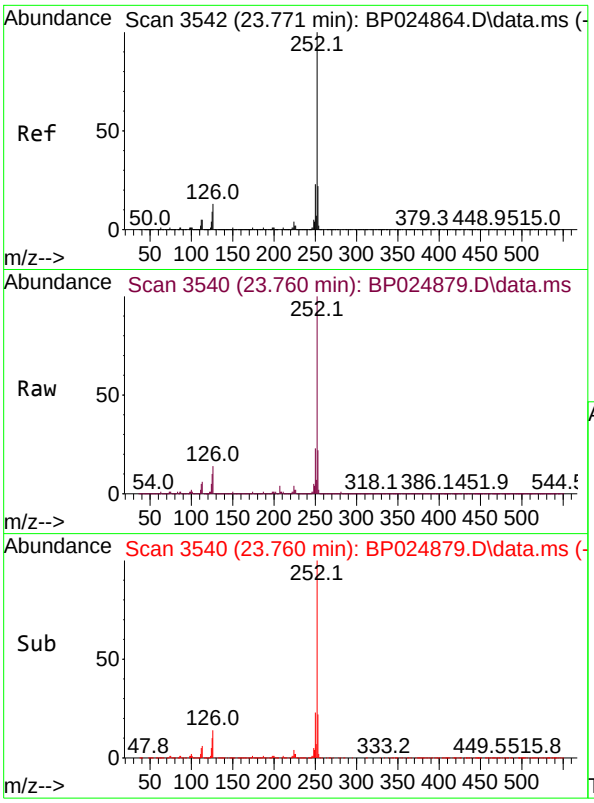


#88
Benzo(b)fluoranthene
Concen: 53.928 ng
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 5677984

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.4	7.1	10.7

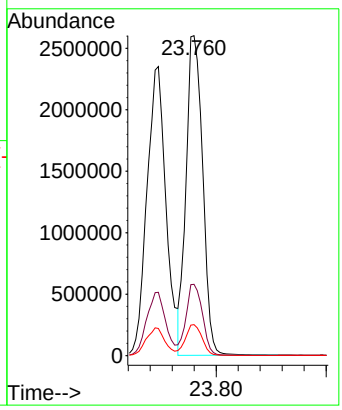




#89
Benzo(k)fluoranthene
Concen: 50.958 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 546137

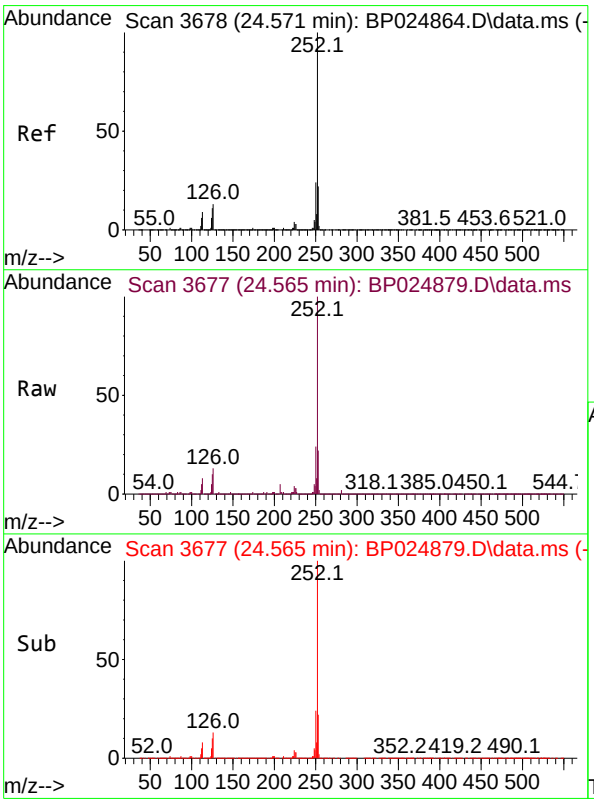
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.7	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

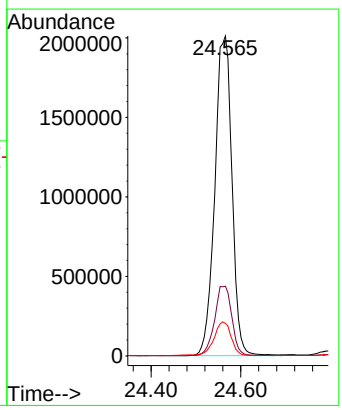
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

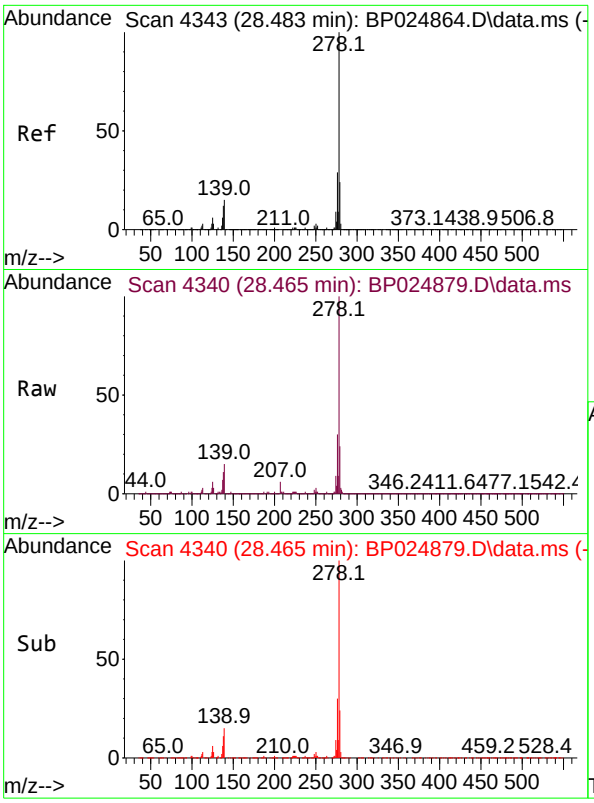


#90
Benzo(a)pyrene
Concen: 51.959 ng
RT: 24.565 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 5342607

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	8.8	13.2

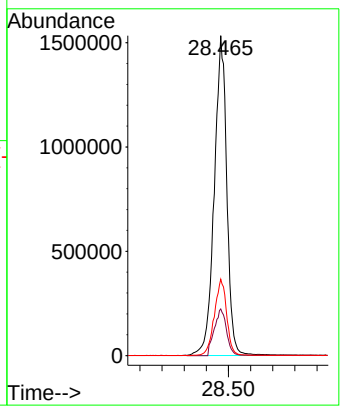




#91
Dibenzo(a,h)anthracene
Concen: 55.211 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:278 Resp: 603238

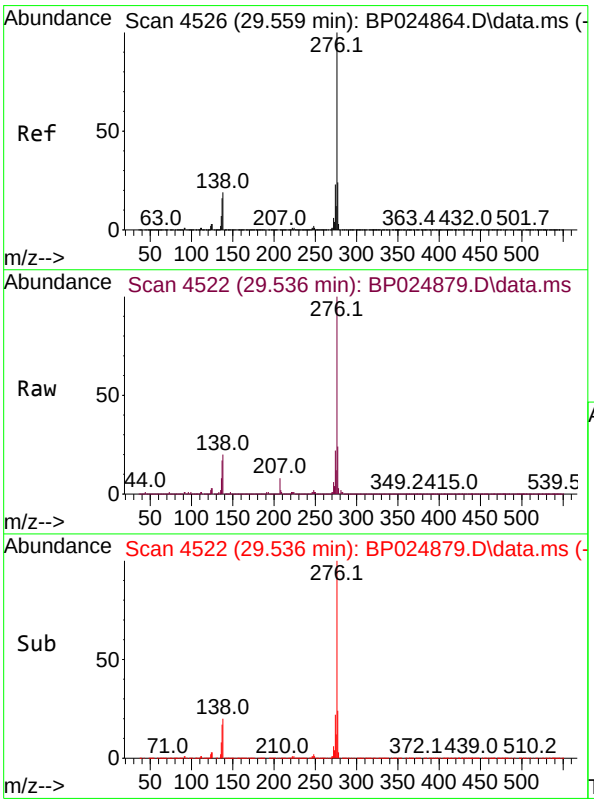
Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.0	18.0
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

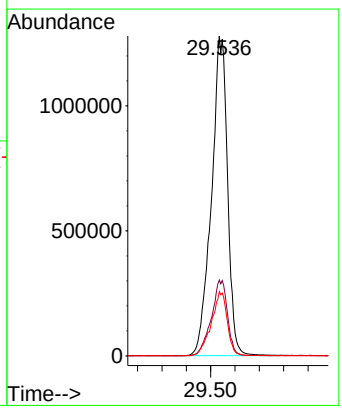
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 54.120 ng
RT: 29.536 min Scan# 4522
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:276 Resp: 5867002

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.1	15.4	23.2



Raw Data: **BP024880.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.8		4.20	10.6	ug/L
108-95-2	Phenol	18.1		0.97	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.2		0.86	5.30	ug/L
95-57-8	2-Chlorophenol	43.6		0.62	5.30	ug/L
95-48-7	2-Methylphenol	37.0		1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.40	5.30	ug/L
98-86-2	Acetophenone	55.5		0.79	5.30	ug/L
65794-96-9	3+4-Methylphenols	38.5		1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.1		1.50	2.70	ug/L
67-72-1	Hexachloroethane	24.9		0.69	5.30	ug/L
98-95-3	Nitrobenzene	54.8		0.81	5.30	ug/L
78-59-1	Isophorone	51.1		0.80	5.30	ug/L
88-75-5	2-Nitrophenol	52.9		1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	46.9		2.00	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.7		0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	51.8		0.55	5.30	ug/L
91-20-3	Naphthalene	42.1		0.53	5.30	ug/L
106-47-8	4-Chloroaniline	28.9		0.89	5.30	ug/L
87-68-3	Hexachlorobutadiene	30.1		0.57	5.30	ug/L
105-60-2	Caprolactam	10.8		1.20	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	48.9		0.63	5.30	ug/L
91-57-6	2-Methylnaphthalene	48.6		0.60	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	70.7		3.90	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	56.6		0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	57.7		0.66	5.30	ug/L
92-52-4	1,1-Biphenyl	52.0		0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	50.5		0.65	5.30	ug/L
88-74-4	2-Nitroaniline	49.4		1.30	5.30	ug/L
131-11-3	Dimethylphthalate	53.9		0.65	5.30	ug/L

Raw Data: **BP024880.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.1		0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	55.7		0.98	5.30	ug/L
99-09-2	3-Nitroaniline	32.5		1.10	5.30	ug/L
83-32-9	Acenaphthene	52.7		0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	45.5		2.50	10.6	ug/L
132-64-9	Dibenzofuran	52.6		0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	57.4		1.30	5.30	ug/L
84-66-2	Diethylphthalate	56.7		0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	54.1		0.72	5.30	ug/L
86-73-7	Fluorene	53.9		0.67	5.30	ug/L
100-01-6	4-Nitroaniline	44.3		1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	56.0		3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	53.2		0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	56.8		0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	55.5		0.55	5.30	ug/L
1912-24-9	Atrazine	57.4		1.10	5.30	ug/L
87-86-5	Pentachlorophenol	140	E	1.70	10.6	ug/L
85-01-8	Phenanthrene	53.6		0.53	5.30	ug/L
120-12-7	Anthracene	53.0		0.65	5.30	ug/L
86-74-8	Carbazole	54.8		0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	59.9		1.30	5.30	ug/L
206-44-0	Fluoranthene	54.9		0.87	5.30	ug/L
129-00-0	Pyrene	56.8		0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	63.2		2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	18.2		0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	55.1		0.48	5.30	ug/L
218-01-9	Chrysene	54.7		0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	66.5		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	64.9		2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	56.0		0.52	5.30	ug/L

Raw Data: **BP024880.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	55.1		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	54.8		0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.3		0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.8		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	54.4		0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.8		0.55	5.30	ug/L
123-91-1	1,4-Dioxane	19.4		1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.1		0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.2		23 - 138	49%	SPK: 150
13127-88-3	Phenol-d6	46.3		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	89.3		42 - 152	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	841000	14.248			
1517-22-2	Phenanthrene-d10	1660000	17.042			
1719-03-5	Chrysene-d12	1680000	21.477			
1520-96-3	Perylene-d12	1930000	24.73			

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: **BP024880.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024880.D
Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	335961	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1346862	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	841053	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1657665	20.000	ng	-0.02
76) Chrysene-d12	21.477	240	1681535	20.000	ng	0.00
86) Perylene-d12	24.730	264	1927042	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1493936	74.225	ng	0.00
7) Phenol-d6	6.813	99	1233920	46.335	ng	0.00
23) Nitrobenzene-d5	8.760	82	2438439	87.976	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	1844847	158.655	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	5360805	85.864	ng	0.00
79) Terphenyl-d14	19.772	244	8381201	89.330	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.172	88	161256	18.208	ng	# 96
3) Pyridine	3.572	79	330125	15.500	ng	98
4) n-Nitrosodimethylamine	3.478	42	190267	21.852	ng	# 97
6) Aniline	6.949	93	870597	25.617	ng	99
8) 2-Chlorophenol	7.190	128	935721	41.010	ng	99
9) Benzaldehyde	6.766	77	560379	36.508	ng	# 76
10) Phenol	6.843	94	466808	17.004	ng	98
11) bis(2-Chloroethyl)ether	7.043	93	1018320	47.162	ng	99
12) 1,3-Dichlorobenzene	7.502	146	608351	23.900	ng	99
13) 1,4-Dichlorobenzene	7.643	146	628703	24.480	ng	100
14) 1,2-Dichlorobenzene	7.955	146	647114	25.659	ng	98
15) Benzyl Alcohol	7.860	79	695705	34.040	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.131	45	1181061	41.791	ng	100
17) 2-Methylphenol	8.072	107	666028	34.742	ng	99
18) Hexachloroethane	8.672	117	226470m	23.422	ng	
19) n-Nitroso-di-n-propyla...	8.413	70	818207	45.196	ng	100
20) 3+4-Methylphenols	8.396	107	946970	36.206	ng	97
22) Acetophenone	8.431	105	1776046	52.192	ng	98
24) Nitrobenzene	8.802	77	1268698	51.524	ng	98
25) Isophorone	9.325	82	2307754	48.041	ng	100
26) 2-Nitrophenol	9.507	139	604321	49.741	ng	99
27) 2,4-Dimethylphenol	9.578	122	915691	44.039	ng	99
28) bis(2-Chloroethoxy)met...	9.796	93	1419352	49.533	ng	99
29) 2,4-Dichlorophenol	10.049	162	972262	48.733	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	735365	32.679	ng	98
31) Naphthalene	10.425	128	2733509	39.604	ng	99
32) Benzoic acid	9.749	122	395443	28.143	ng	96
33) 4-Chloroaniline	10.549	127	786095	27.184	ng	99
34) Hexachlorobutadiene	10.707	225	383395	28.269	ng	99
35) Caprolactam	11.401	113	74360	10.125	ng	# 89
36) 4-Chloro-3-methylphenol	11.696	107	1057705	45.963	ng	100
37) 2-Methylnaphthalene	12.043	142	2000223	45.686	ng	100
38) 1-Methylnaphthalene	12.260	142	2147003	45.868	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	1093780	45.831	ng	100
41) Hexachlorocyclopentadiene	12.396	237	967365	66.457	ng	99
43) 2,4,6-Trichlorophenol	12.672	196	851953	53.157	ng	100

Sample Results: **BP024880.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024880.D
Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	931664	54.280	ng		98
46) 1,1'-Biphenyl	13.072	154	2985178	48.840	ng		98
47) 2-Chloronaphthalene	13.107	162	2227755	47.423	ng		99
48) 2-Nitroaniline	13.331	65	670214	46.407	ng		97
49) Acenaphthylene	13.966	152	3760375	48.008	ng		100
50) Dimethylphthalate	13.719	163	3142438	50.649	ng		100
51) 2,6-Dinitrotoluene	13.831	165	700478	52.372	ng		99
52) Acenaphthene	14.313	154	2223943	49.549	ng		99
53) 3-Nitroaniline	14.172	138	423824	30.534	ng		100
54) 2,4-Dinitrophenol	14.390	184	881046	99.689	ng		99
55) Dibenzofuran	14.648	168	3562013	49.440	ng		99
56) 4-Nitrophenol	14.525	139	470374	42.732	ng		98
57) 2,4-Dinitrotoluene	14.637	165	1010355	54.002	ng		97
58) Fluorene	15.313	166	2947017	50.635	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	823770	53.716	ng		99
60) Diethylphthalate	15.095	149	3296154	53.307	ng		99
61) 4-Chlorophenyl-phenyle...	15.307	204	1446499	50.830	ng		99
62) 4-Nitroaniline	15.354	138	523586	41.603	ng		96
63) Azobenzene	15.607	77	2984270	52.624	ng		99
65) 4,6-Dinitro-2-methylph...	15.413	198	573565	52.658	ng		99
66) n-Nitrosodiphenylamine	15.531	169	2570412	50.028	ng		99
67) 4-Bromophenyl-phenylether	16.219	248	997886	53.352	ng		99
68) Hexachlorobenzene	16.337	284	1181954	52.127	ng		96
69) Atrazine	16.513	200	1005027	53.958	ng		99
70) Pentachlorophenol	16.701	266	1568201	133.632	ng		99
71) Phenanthrene	17.089	178	4614297	50.372	ng		99
72) Anthracene	17.184	178	4618867	49.786	ng		99
73) Carbazole	17.472	167	4426692	51.477	ng		99
74) Di-n-butylphthalate	18.048	149	6002825	56.341	ng		100
75) Fluoranthene	19.178	202	5483337	51.645	ng		99
77) Benzidine	19.407	184	15854m	0.304	ng		
78) Pyrene	19.554	202	5611099	53.412	ng		100
80) Butylbenzylphthalate	20.513	149	2857974	59.393	ng		97
81) Benzo(a)anthracene	21.460	228	5574248	51.831	ng		99
82) 3,3'-Dichlorobenzidine	21.389	252	731610	17.135	ng		98
83) Chrysene	21.524	228	5240307	51.424	ng		99
84) Bis(2-ethylhexyl)phtha...	21.395	149	4311017	62.529	ng		99
85) Di-n-octyl phthalate	22.636	149	7409270	60.971	ng		99
87) Indeno(1,2,3-cd)pyrene	28.436	276	7307495	51.973	ng	#	91
88) Benzo(b)fluoranthene	23.713	252	5806971	52.654	ng		99
89) Benzo(k)fluoranthene	23.777	252	5816924	51.816	ng		99
90) Benzo(a)pyrene	24.589	252	5546665	51.500	ng		99
91) Dibenzo(a,h)anthracene	28.477	278	6005498	52.475	ng		99
92) Benzo(g,h,i)perylene	29.559	276	5809887	51.165	ng		99

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

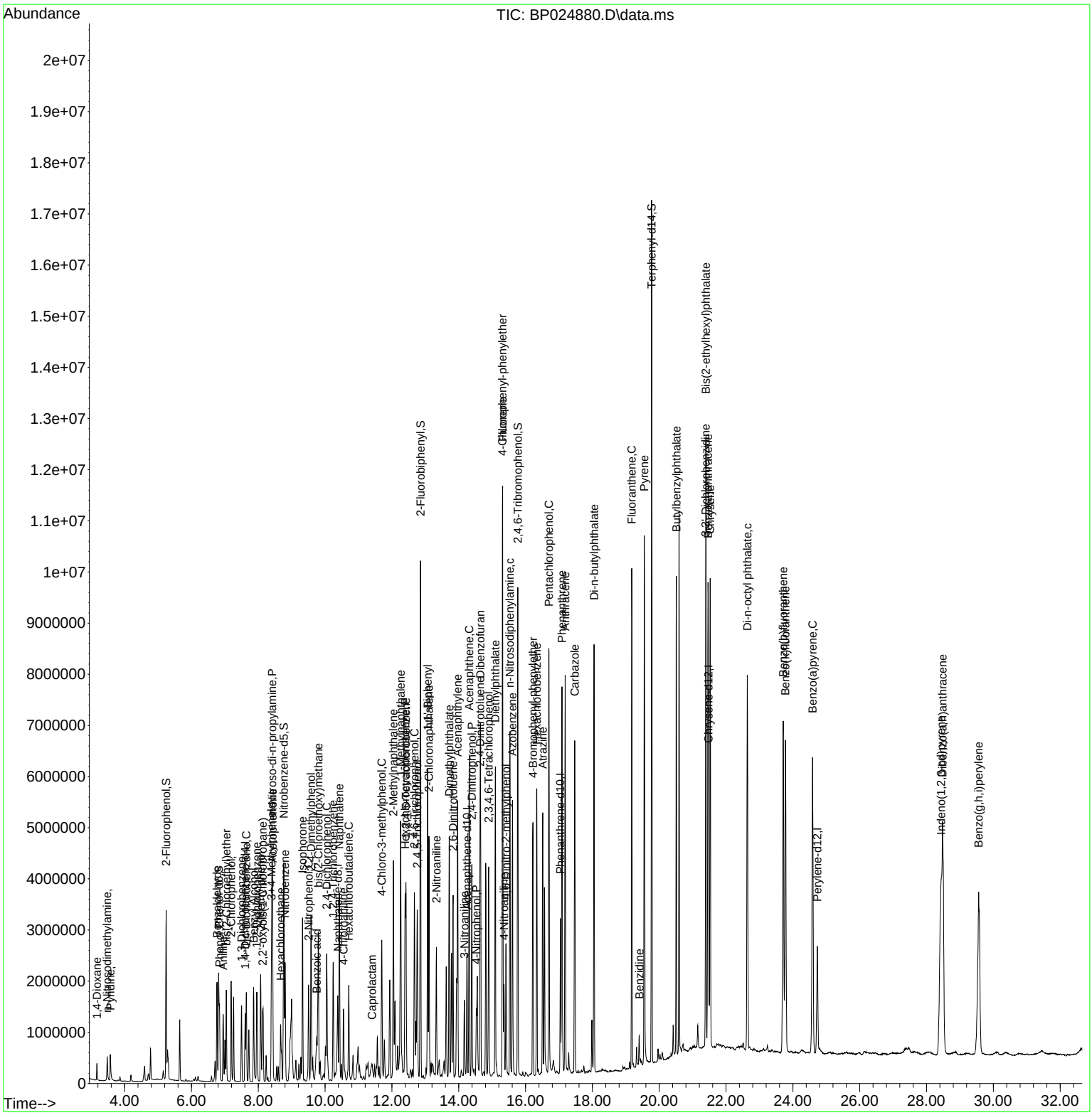
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024880.D
Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

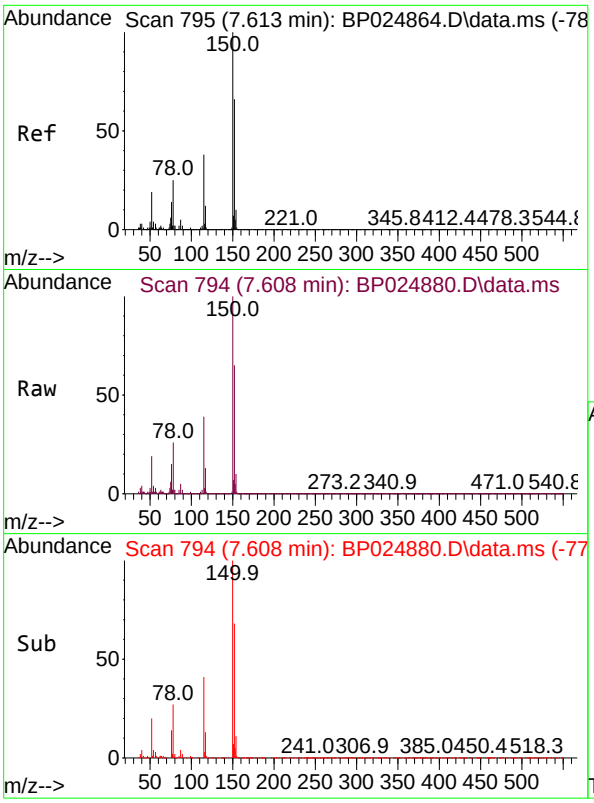
Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

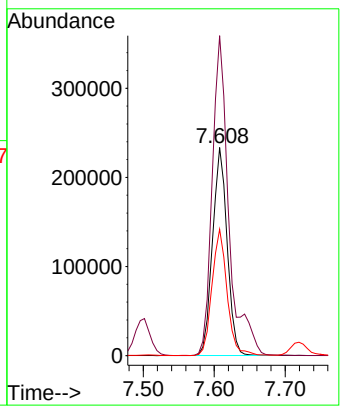




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:152 Resp: 335961

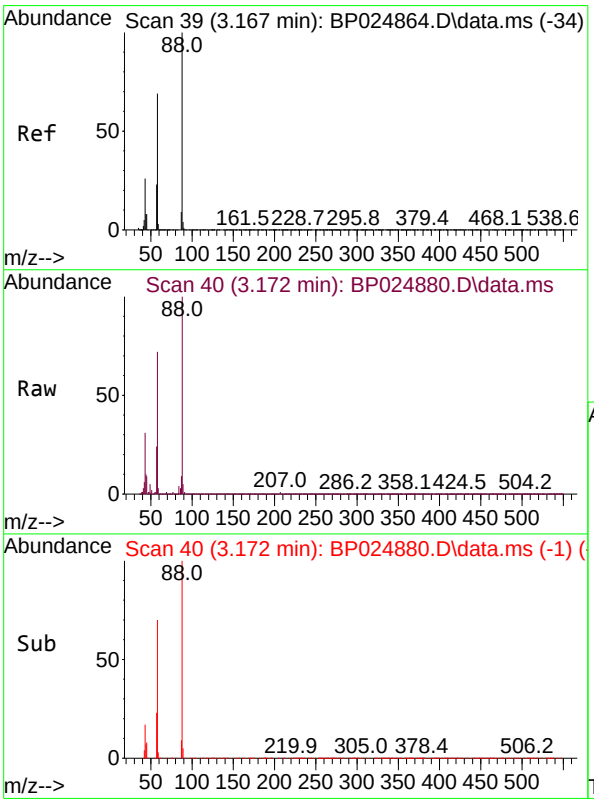
Ion	Ratio	Lower	Upper
152	100		
150	153.8	122.1	183.1
115	60.7	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

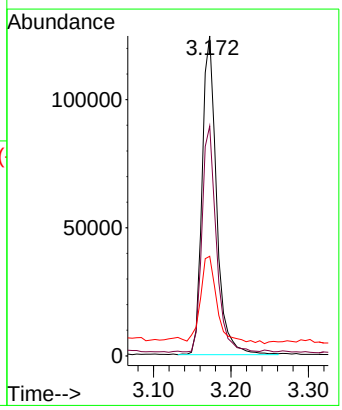
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

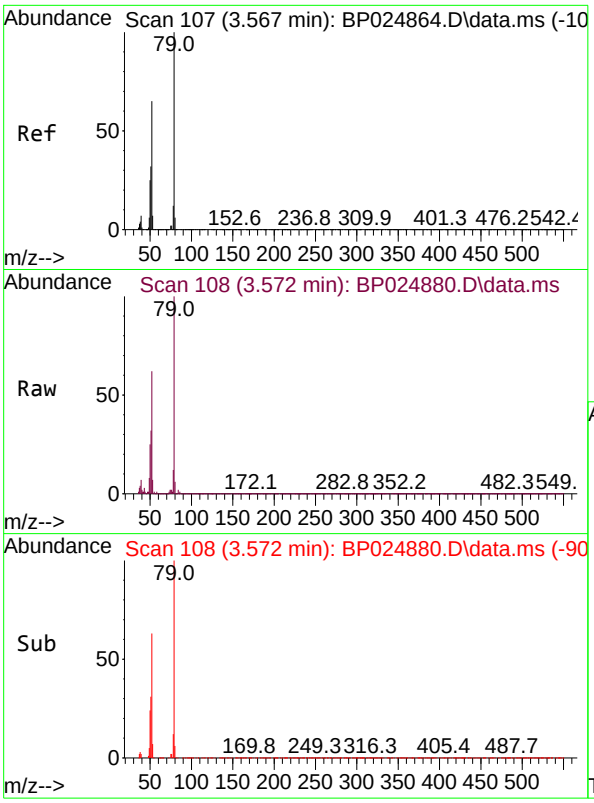


#2
1,4-Dioxane
Concen: 18.208 ng
RT: 3.172 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 88 Resp: 161256

Ion	Ratio	Lower	Upper
88	100		
58	70.0	55.4	83.0
43	31.7	20.8	31.2#

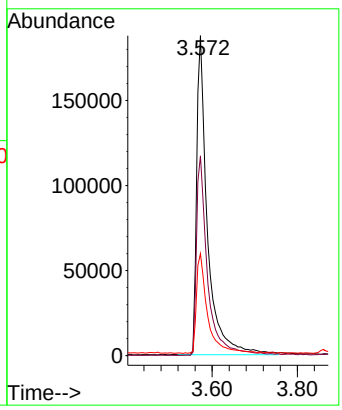




#3
Pyridine
Concen: 15.500 ng
RT: 3.572 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 79 Resp: 33012

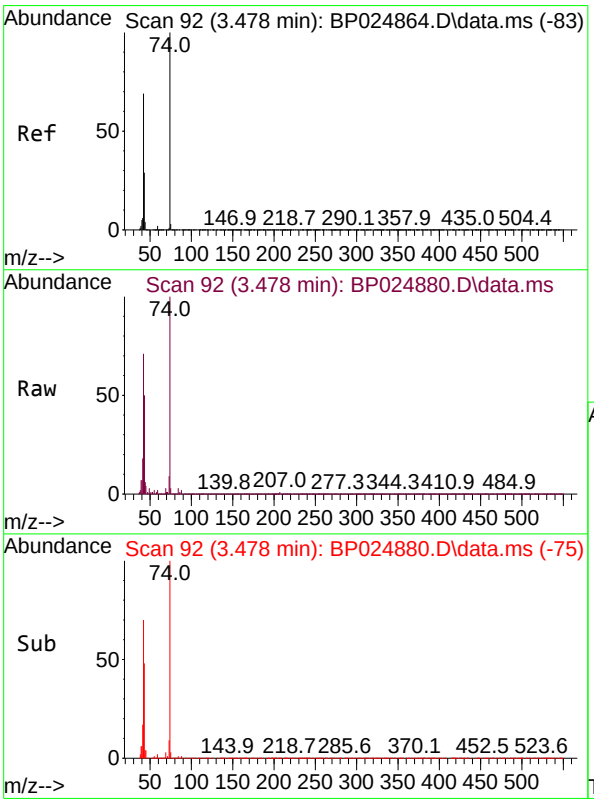
Ion	Ratio	Lower	Upper
79	100		
52	62.4	51.6	77.4
51	31.9	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

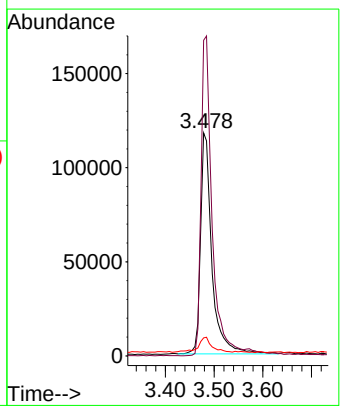
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

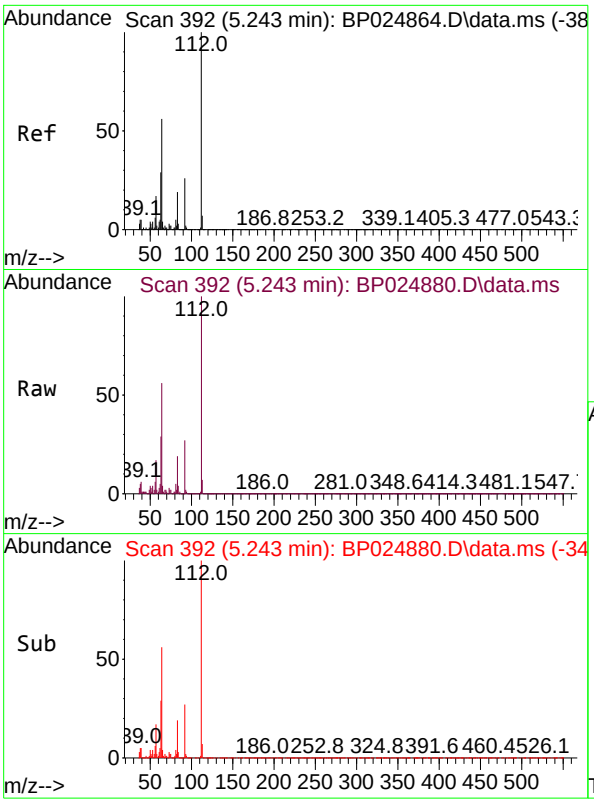


#4
n-Nitrosodimethylamine
Concen: 21.852 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 42 Resp: 190267

Ion	Ratio	Lower	Upper
42	100		
74	141.5	116.6	174.8
44	8.1	5.4	8.0#

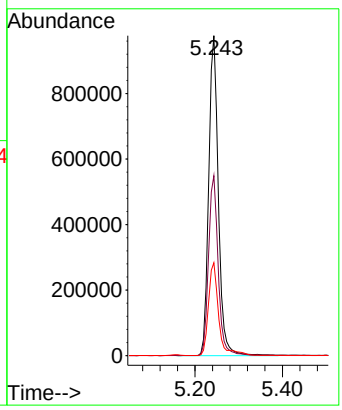




#5
2-Fluorophenol
Concen: 74.225 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:112 Resp: 149393

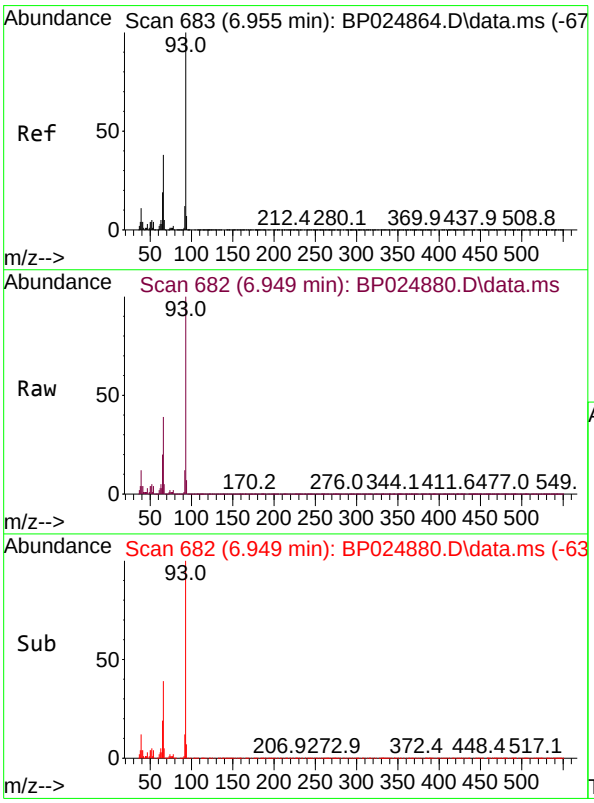
Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.7	67.1
63	29.0	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

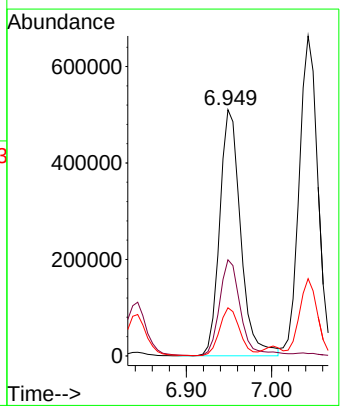
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

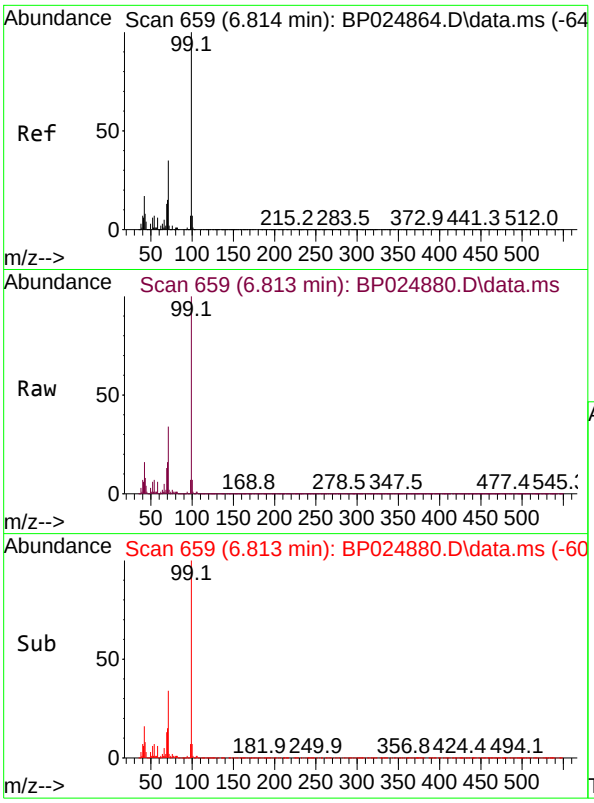


#6
Aniline
Concen: 25.617 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 870597

Ion	Ratio	Lower	Upper
93	100		
66	39.0	30.9	46.3
65	19.5	15.5	23.3

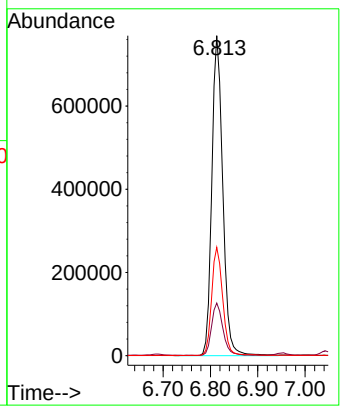




#7
Phenol-d6
Concen: 46.335 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 99 Resp: 123392

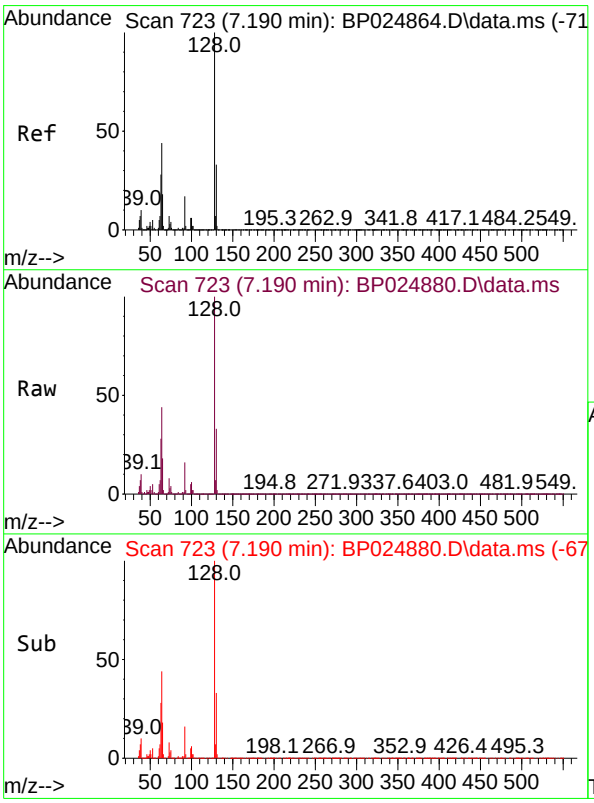
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	33.8	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

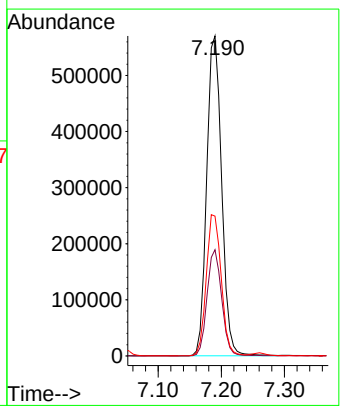
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

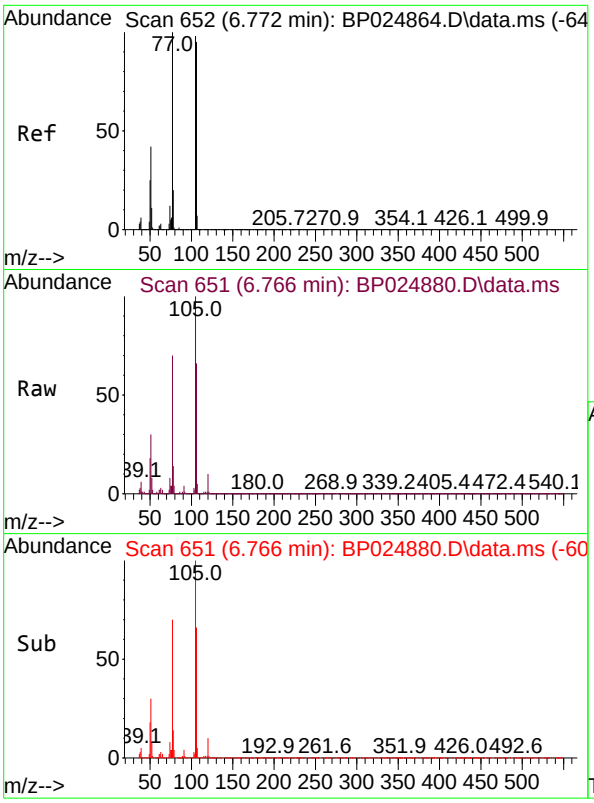


#8
2-Chlorophenol
Concen: 41.010 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:128 Resp: 935721

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.6	52.6
64	43.7	24.1	64.1

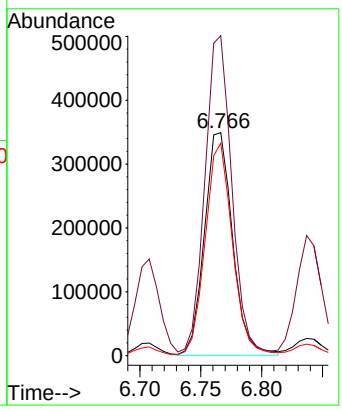




#9
Benzaldehyde
Concen: 36.508 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 77 Resp: 560379

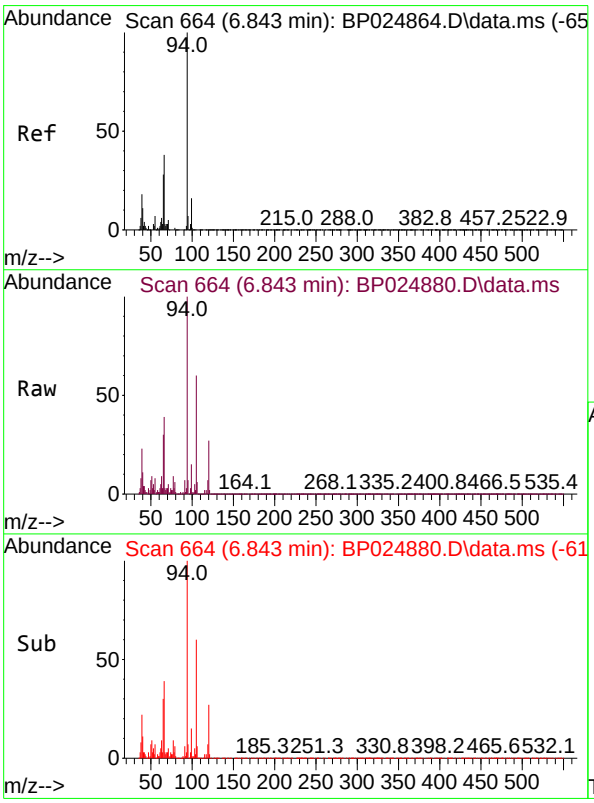
Ion	Ratio	Lower	Upper
77	100		
105	143.5	77.7	117.7#
106	95.3	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

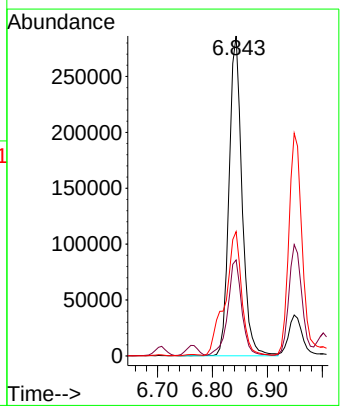
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

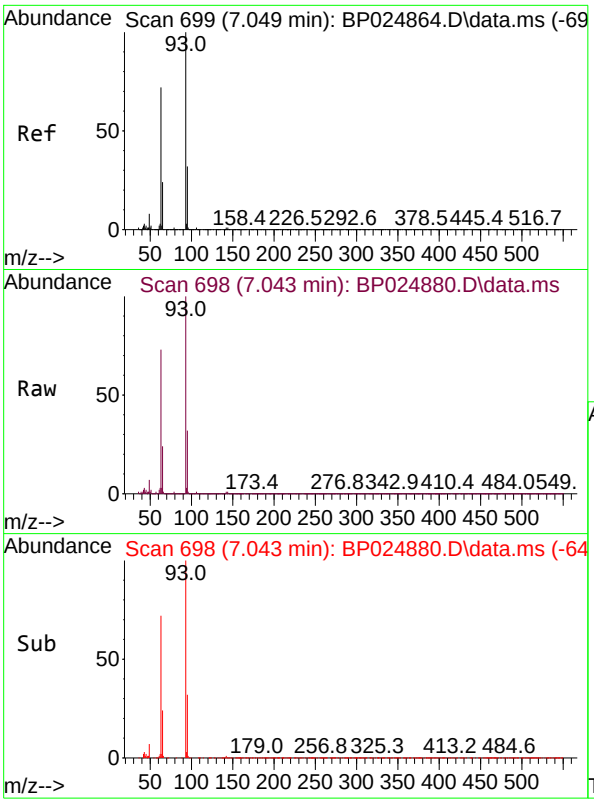


#10
Phenol
Concen: 17.004 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 94 Resp: 466808

Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.3	48.3
66	38.8	18.2	58.2

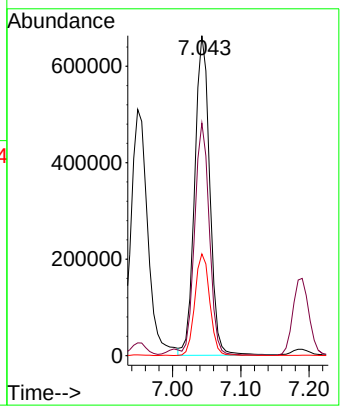




#11
bis(2-Chloroethyl)ether
Concen: 47.162 ng
RT: 7.043 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 101832

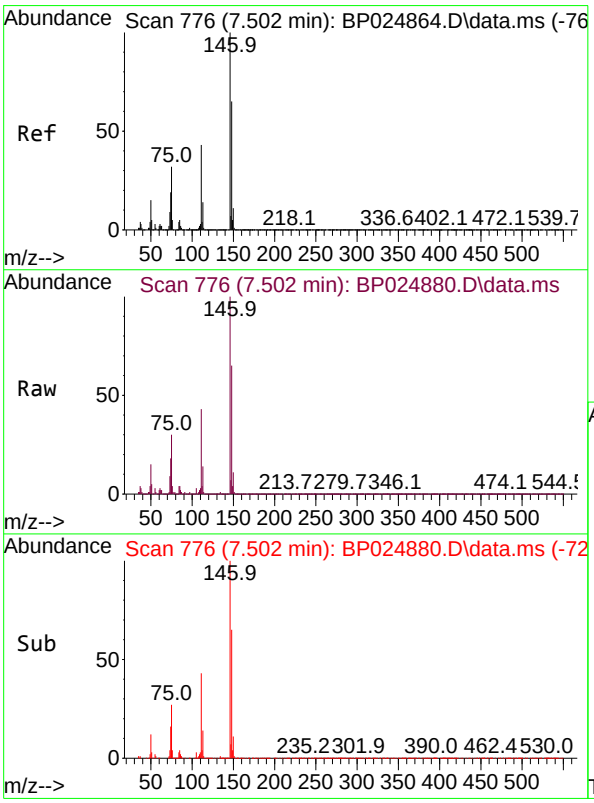
Ion	Ratio	Lower	Upper
93	100		
63	72.7	51.6	91.6
95	31.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

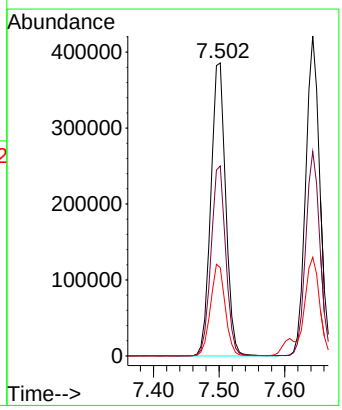
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

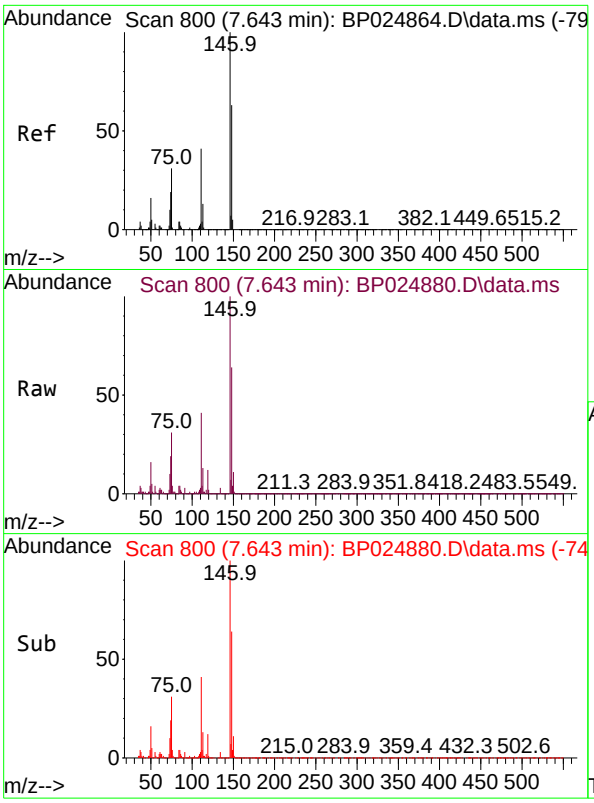


#12
1,3-Dichlorobenzene
Concen: 23.900 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:146 Resp: 608351

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	30.2	25.3	37.9

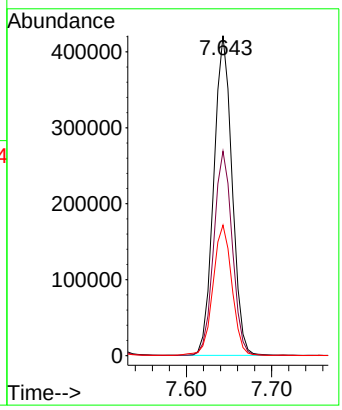




#13
1,4-Dichlorobenzene
Concen: 24.480 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:146 Resp: 62870

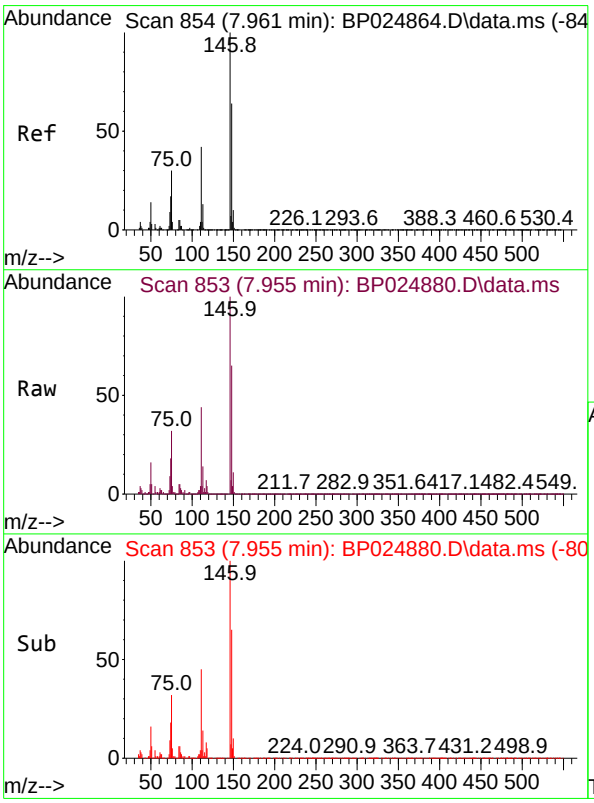
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	40.8	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

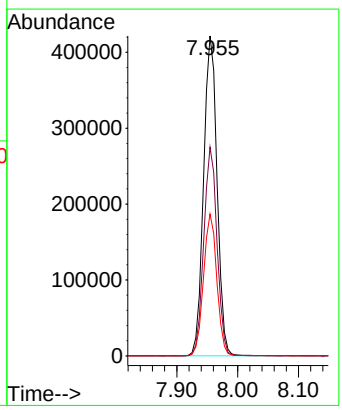
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

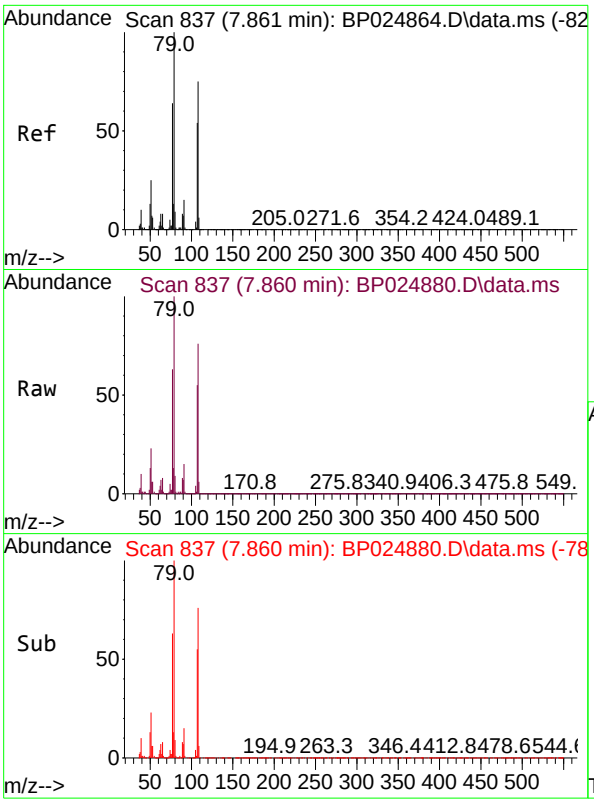


#14
1,2-Dichlorobenzene
Concen: 25.659 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:146 Resp: 647114

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.4
111	44.3	33.8	50.8





#15
Benzyl Alcohol
Concen: 34.040 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

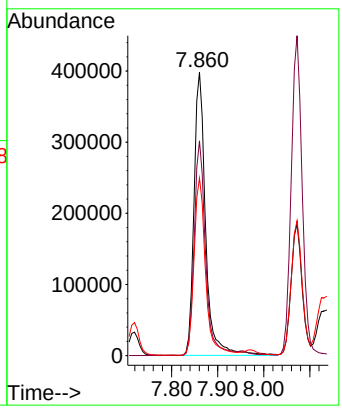
Tgt Ion: 79 Resp: 69570

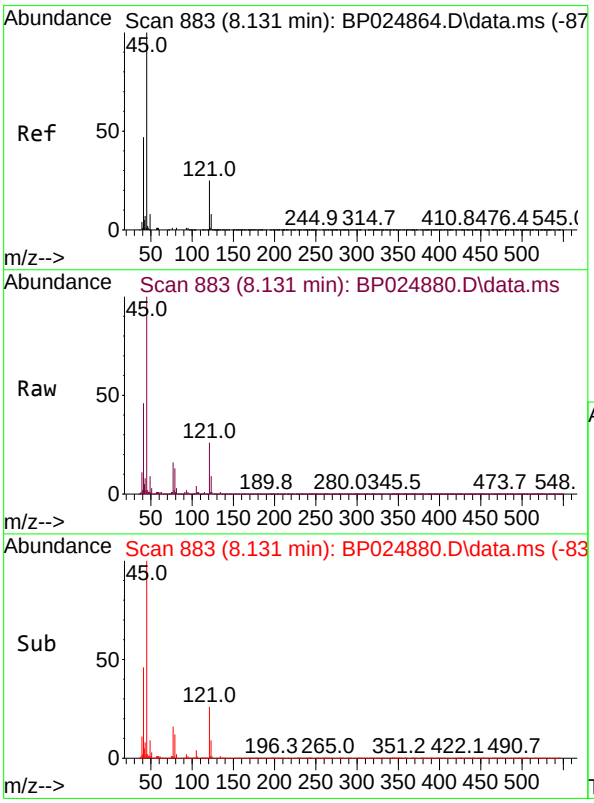
Ion	Ratio	Lower	Upper
79	100		
108	75.7	60.2	90.4
77	62.6	51.2	76.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

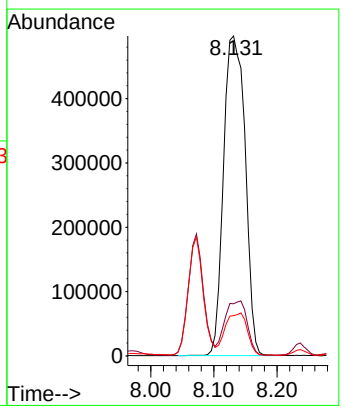


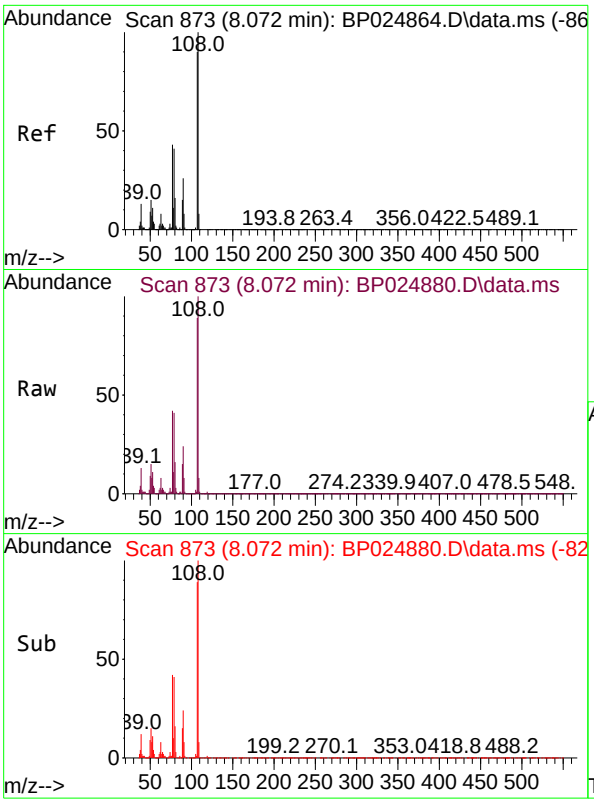


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.791 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 45 Resp: 1181061

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.6	0.0	32.2

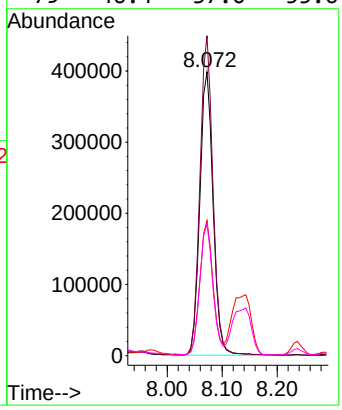




#17
2-Methylphenol
Concen: 34.742 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 66602

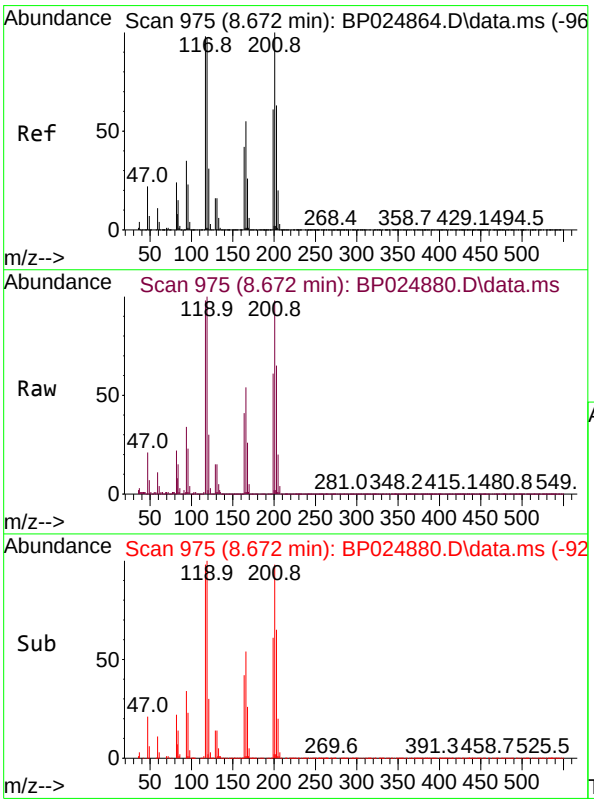
Ion	Ratio	Lower	Upper
107	100		
108	112.8	88.6	132.8
77	47.6	38.5	57.7
79	46.4	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

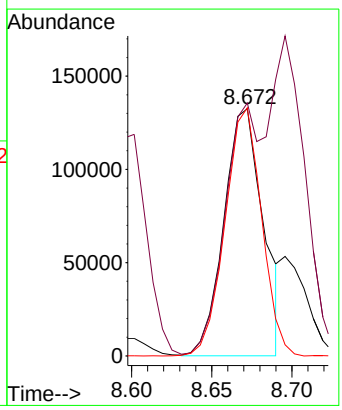
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

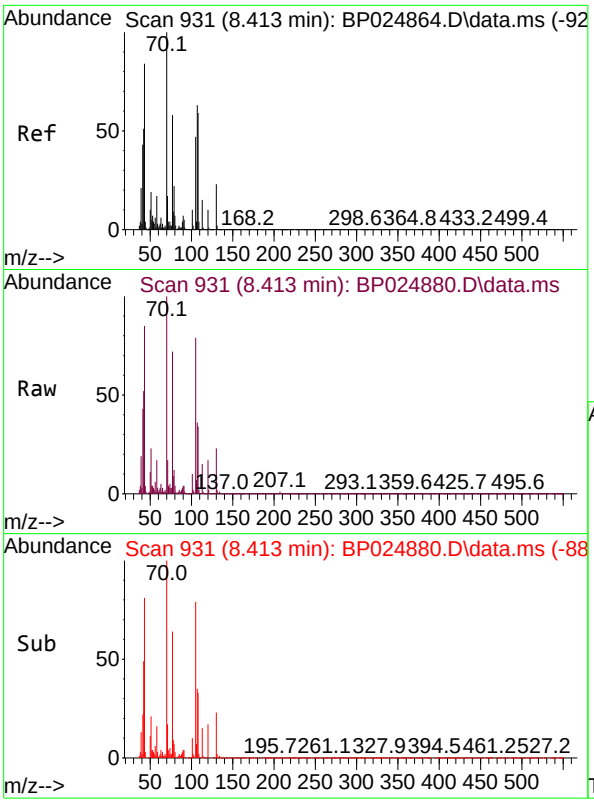


#18
Hexachloroethane
Concen: 23.422 ng m
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:117 Resp: 226470

Ion	Ratio	Lower	Upper
117	100		
119	102.4	79.4	119.2
201	100.4	81.4	122.2

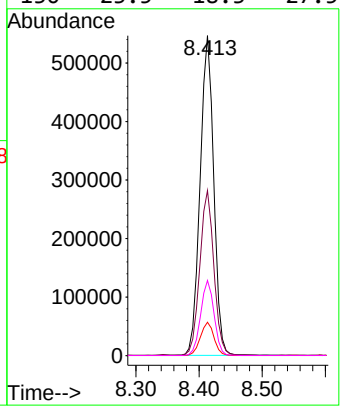




#19
n-Nitroso-di-n-propylamine
Concen: 45.196 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 70 Resp: 81820

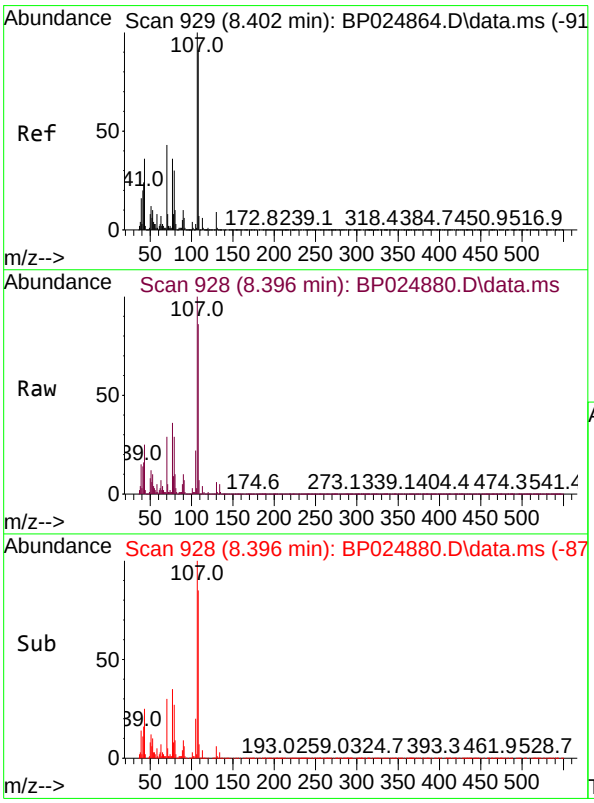
Ion	Ratio	Lower	Upper
70	100		
42	51.6	41.2	61.8
101	10.5	8.3	12.5
130	23.5	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

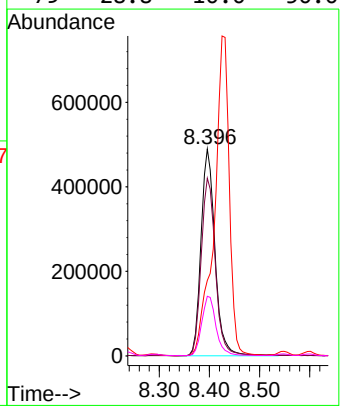
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

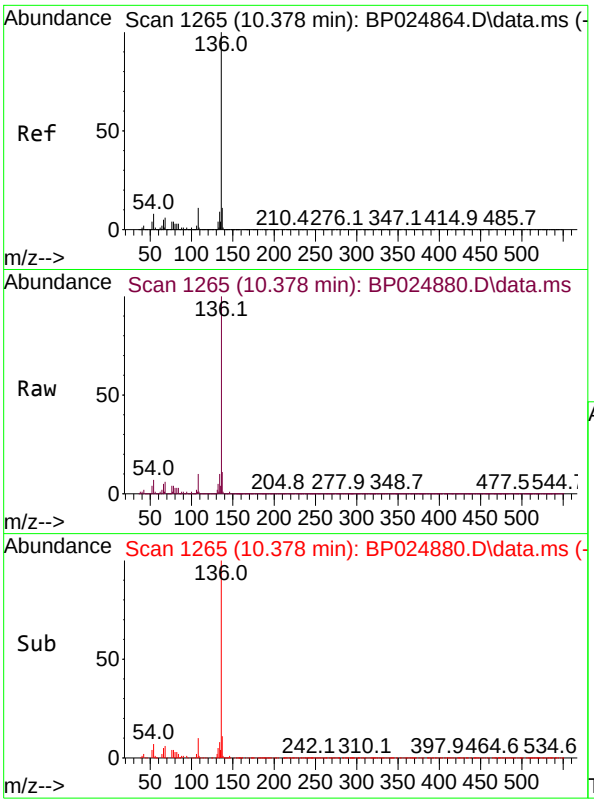


#20
3+4-Methylphenols
Concen: 36.206 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 946970

Ion	Ratio	Lower	Upper
107	100		
108	85.9	70.7	110.7
77	36.4	16.6	56.6
79	28.8	10.0	50.0

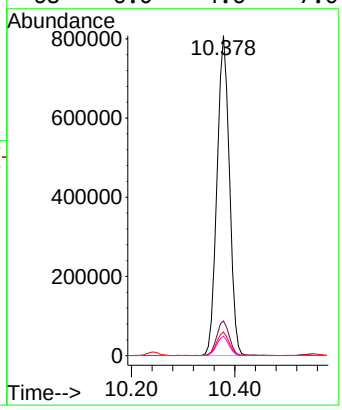




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:136 Resp: 134686

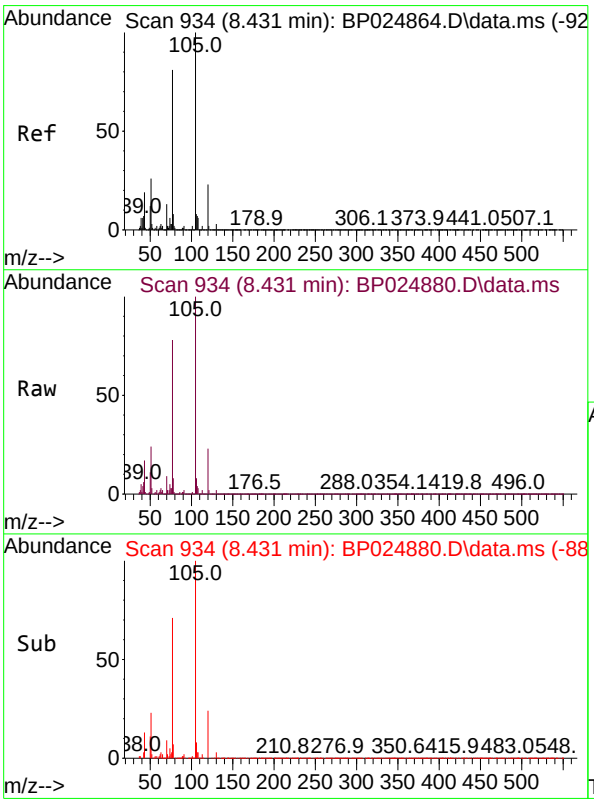
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	6.0	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

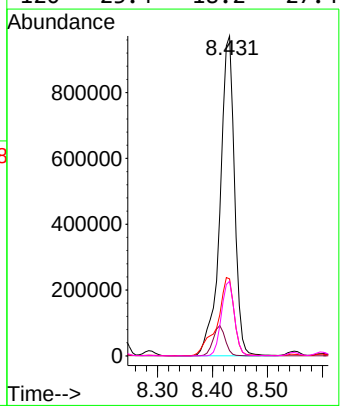
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

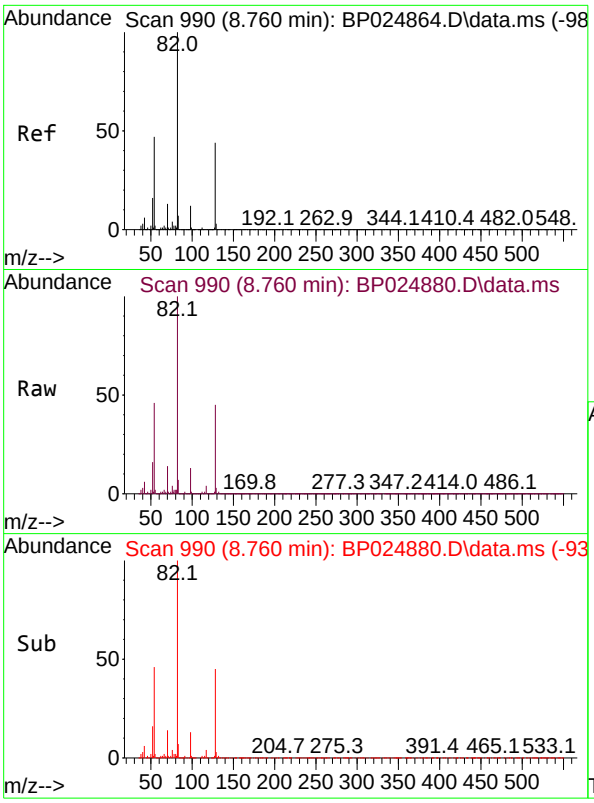


#22
Acetophenone
Concen: 52.192 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:105 Resp: 1776046

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.6	2.4
51	24.1	20.6	31.0
120	23.4	18.2	27.4





#23
Nitrobenzene-d5
Concen: 87.976 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

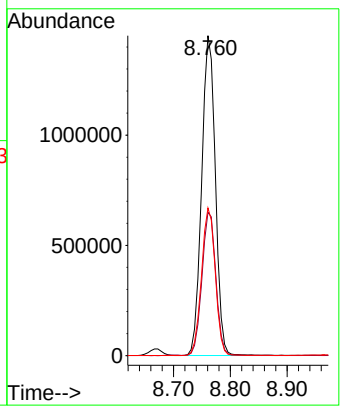
Tgt Ion: 82 Resp: 243843

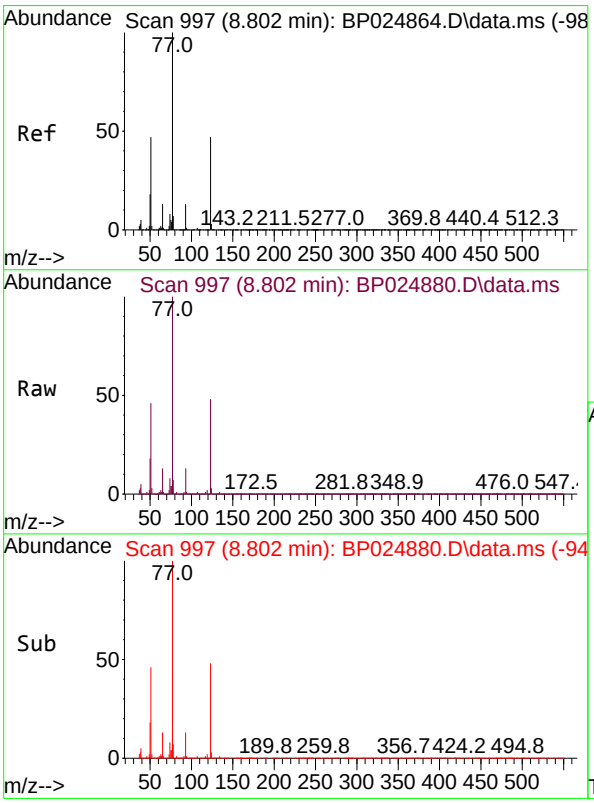
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.3	52.9
54	46.1	37.4	56.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

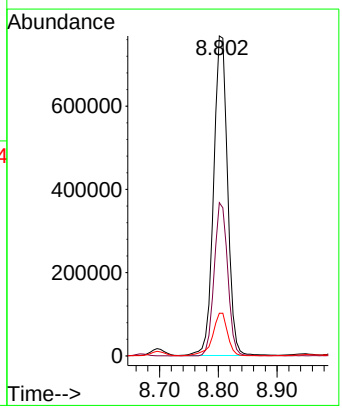


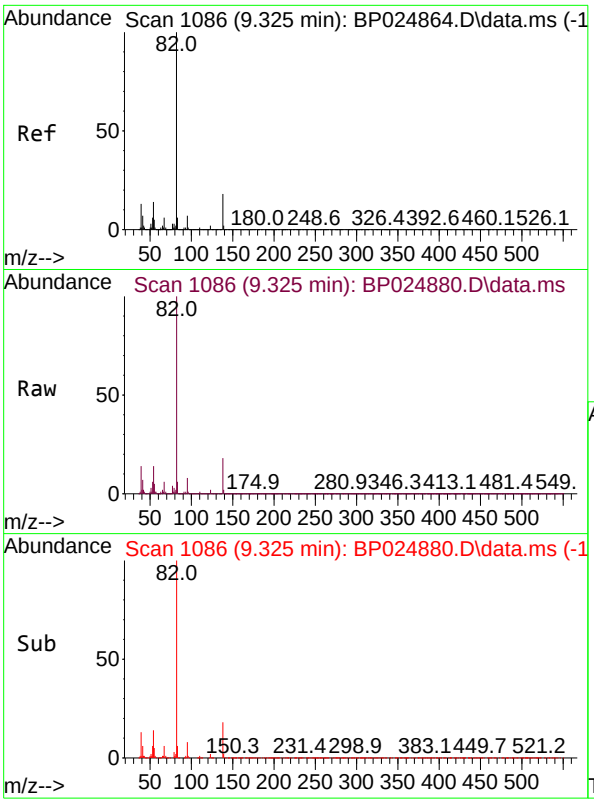


#24
Nitrobenzene
Concen: 51.524 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 77 Resp: 1268698

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	13.3	10.8	16.2

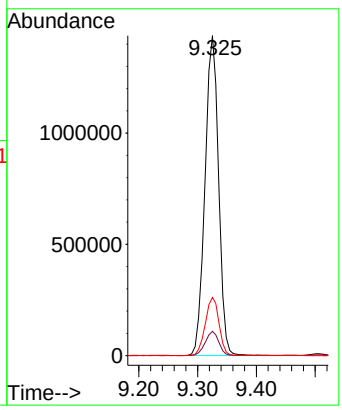




#25
Isophorone
Concen: 48.041 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 82 Resp: 230775

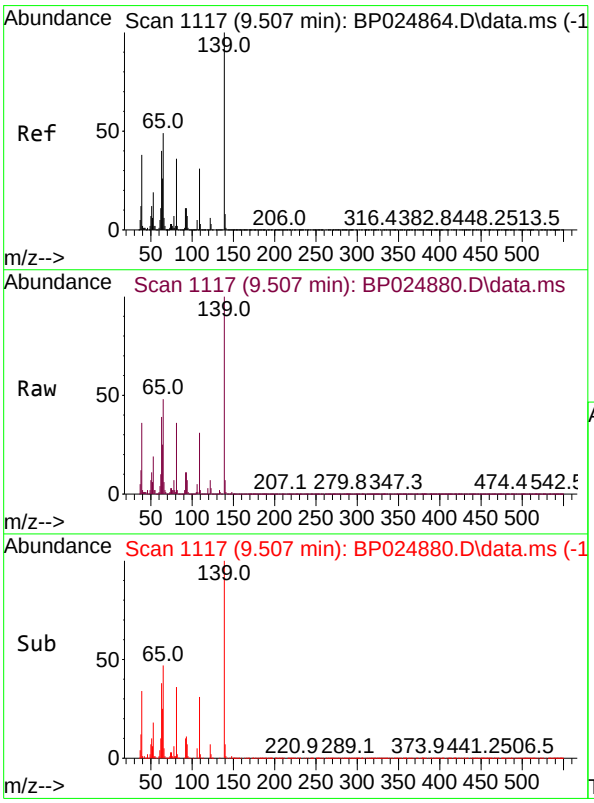
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.2	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

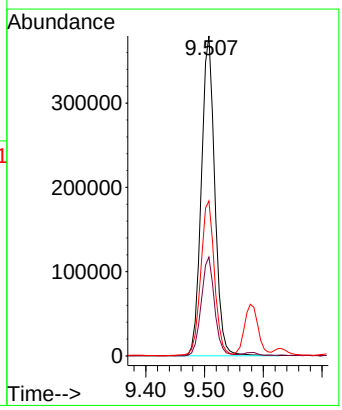
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

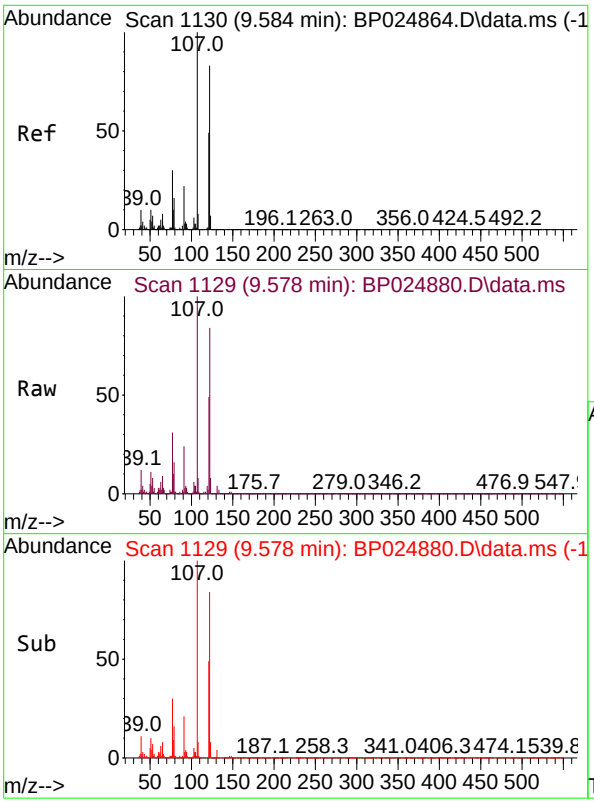


#26
2-Nitrophenol
Concen: 49.741 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:139 Resp: 604321

Ion	Ratio	Lower	Upper
139	100		
109	30.9	24.6	37.0
65	48.4	39.5	59.3

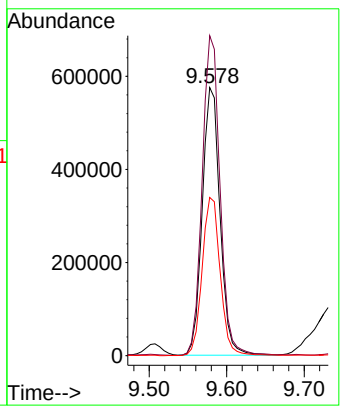




#27
2,4-Dimethylphenol
Concen: 44.039 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:122 Resp: 915691

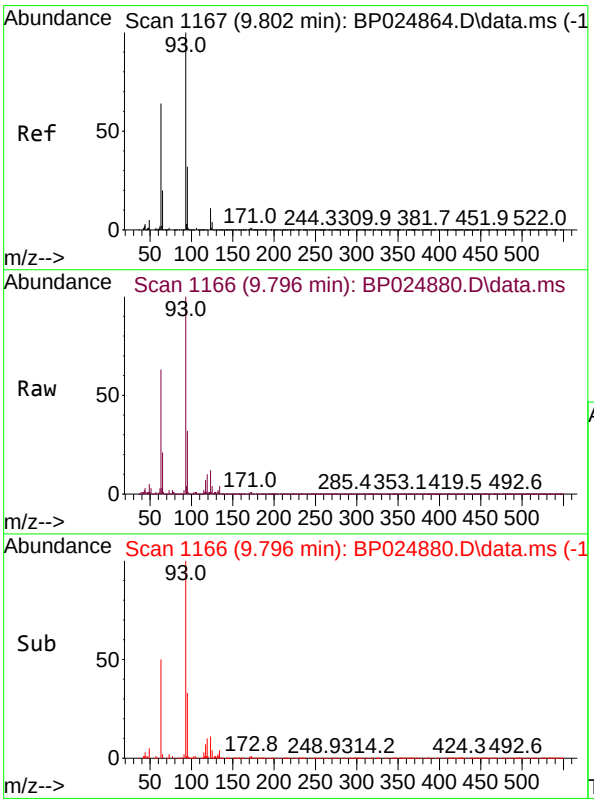
Ion	Ratio	Lower	Upper
122	100		
107	119.3	96.2	144.4
121	59.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

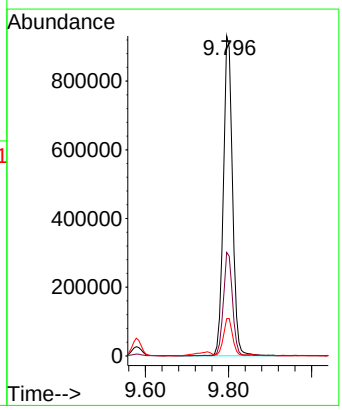
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

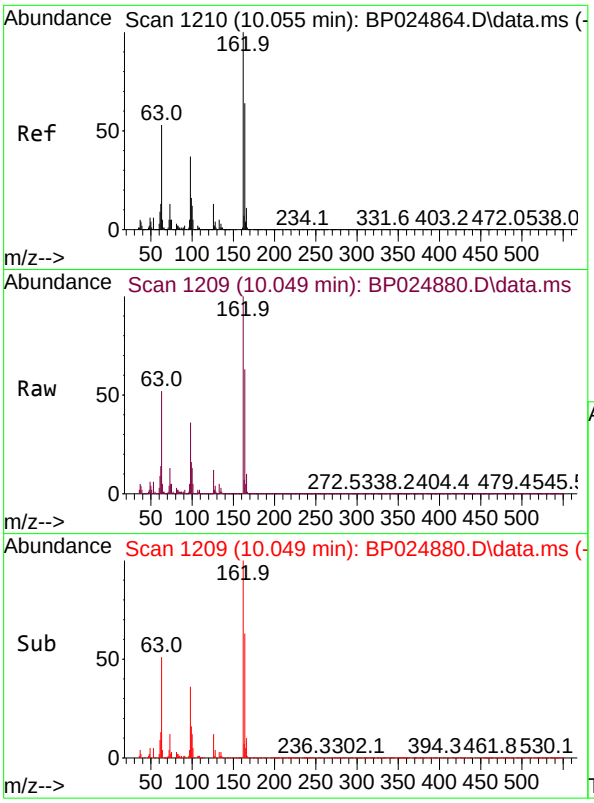


#28
bis(2-Chloroethoxy)methane
Concen: 49.533 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 1419352

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	11.6	9.2	13.8

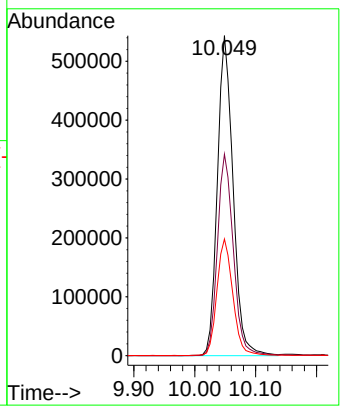




#29
2,4-Dichlorophenol
Concen: 48.733 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:162 Resp: 97226

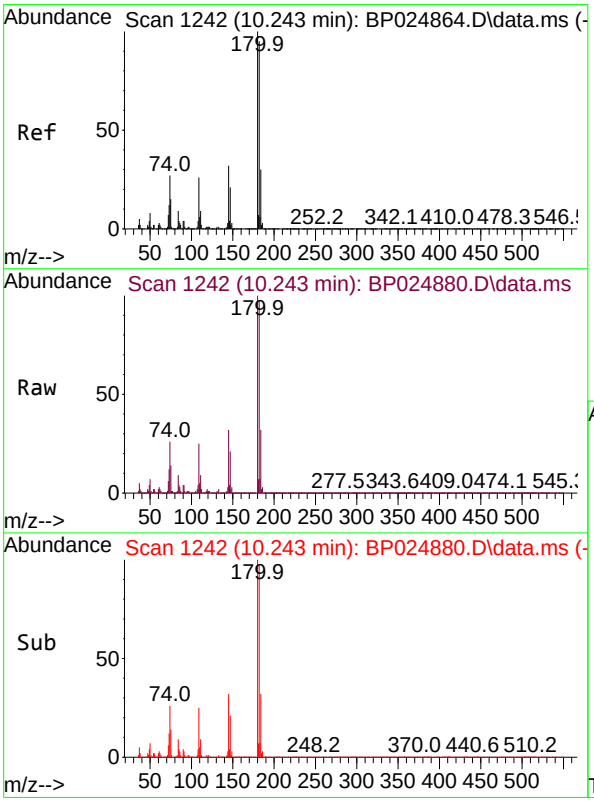
Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.0	84.0
98	36.4	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

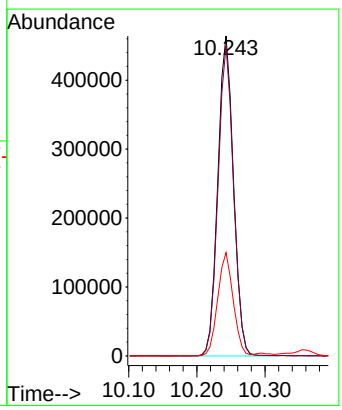
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

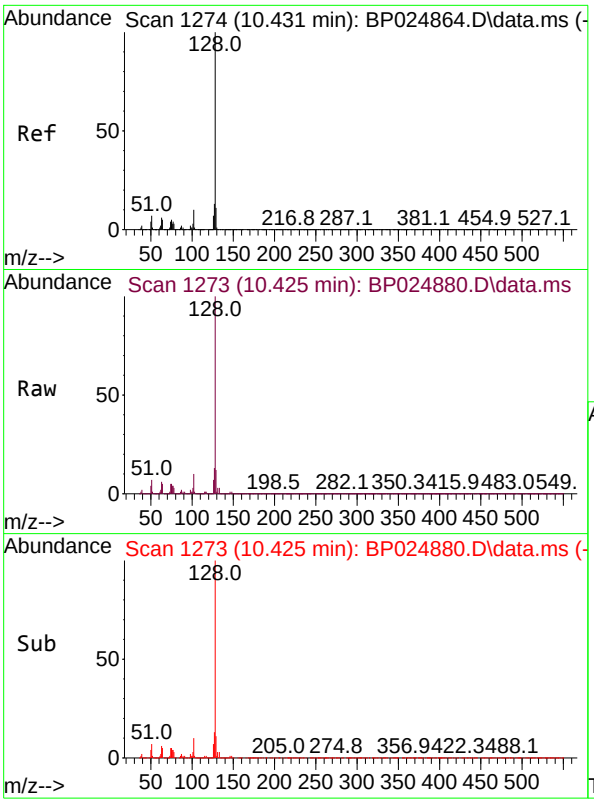


#30
1,2,4-Trichlorobenzene
Concen: 32.679 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:180 Resp: 735365

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.6
145	32.3	25.7	38.5

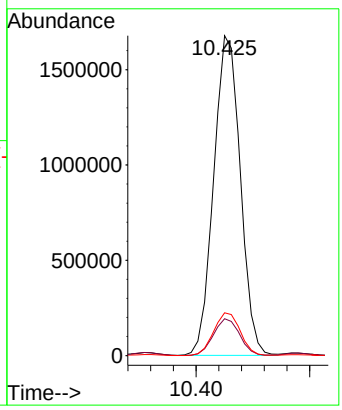




#31
Naphthalene
Concen: 39.604 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:128 Resp: 2733509

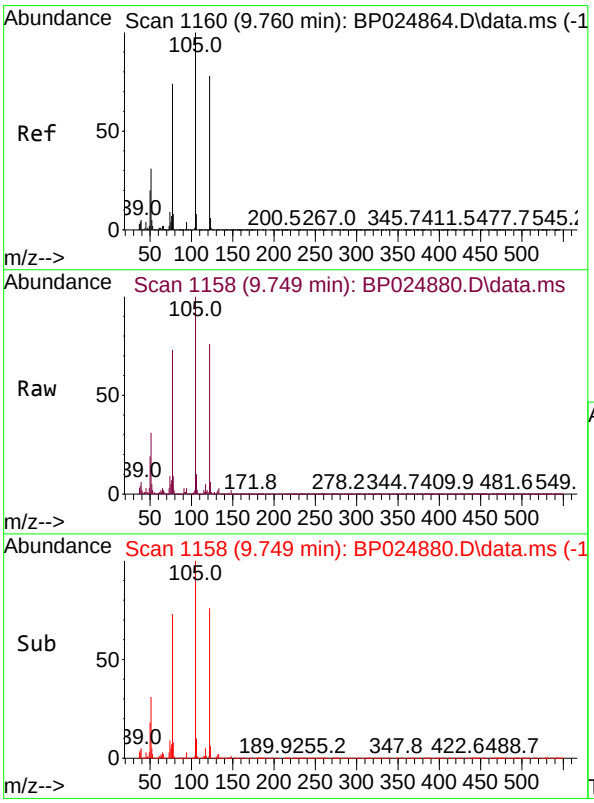
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.4	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

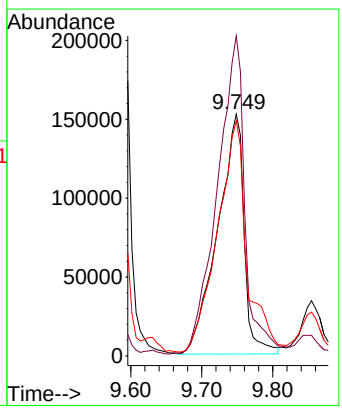
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

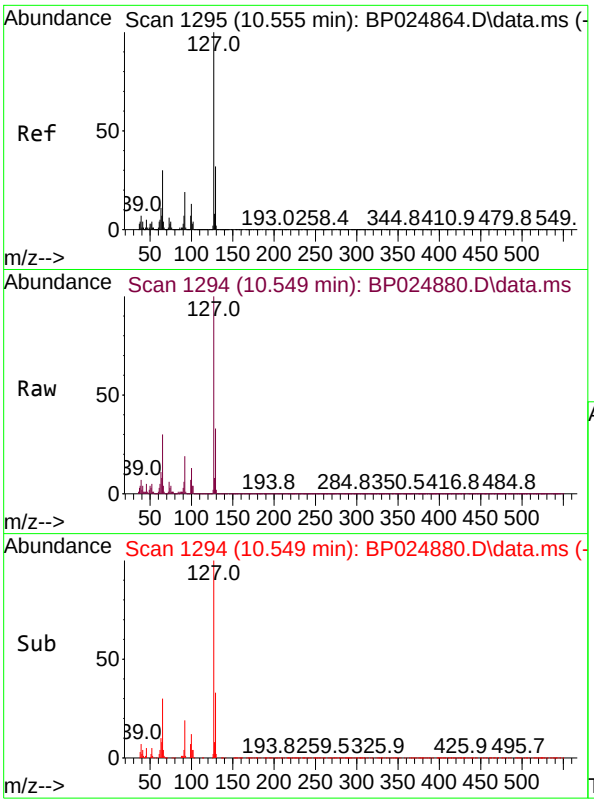


#32
Benzoic acid
Concen: 28.143 ng
RT: 9.749 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:122 Resp: 395443

Ion	Ratio	Lower	Upper
122	100		
105	132.4	107.1	147.1
77	97.3	75.1	115.1

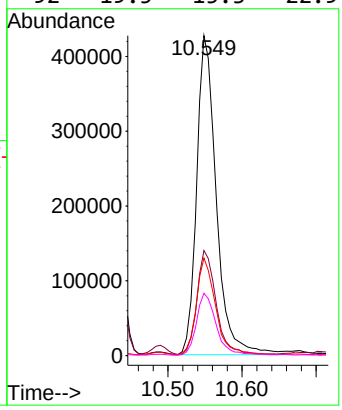




#33
4-Chloroaniline
Concen: 27.184 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:127 Resp: 78609

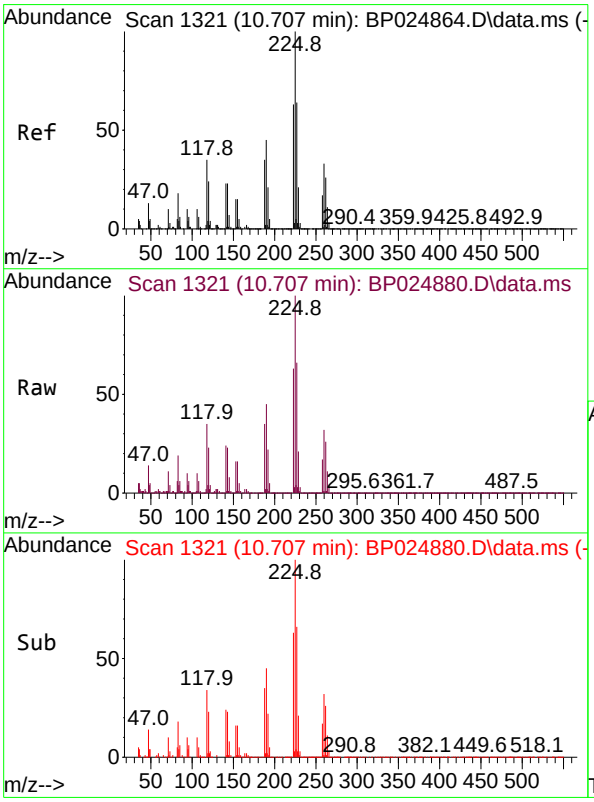
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	30.5	23.9	35.9
92	19.5	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

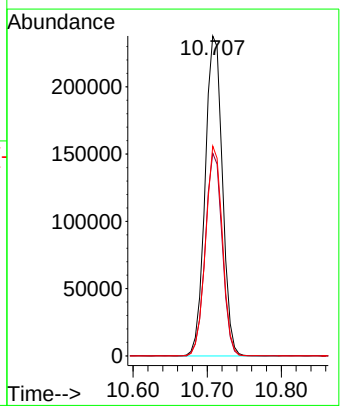
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

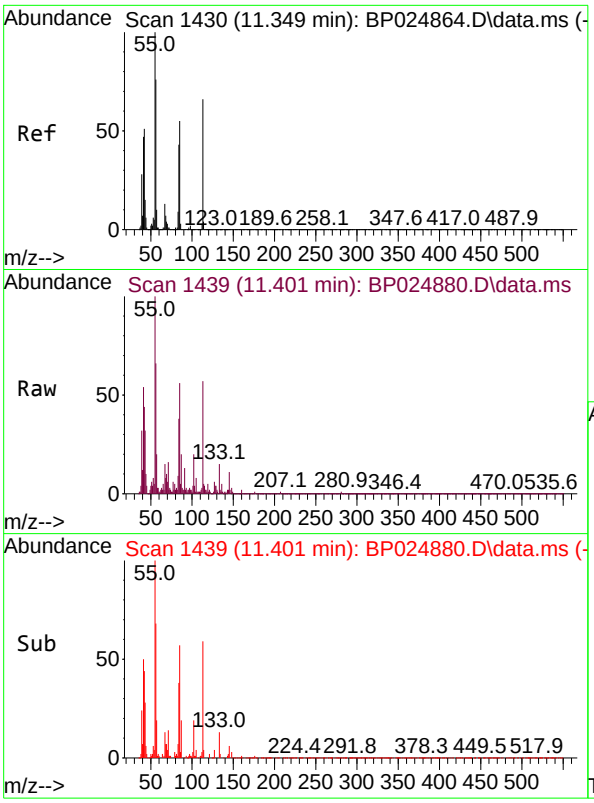


#34
Hexachlorobutadiene
Concen: 28.269 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:225 Resp: 383395

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.5	75.7
227	65.6	51.4	77.2





#35
Caprolactam
Concen: 10.125 ng
RT: 11.401 min Scan# 14
Delta R.T. 0.053 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

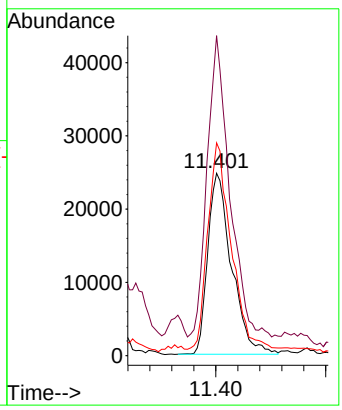
Tgt Ion:113 Resp: 74360

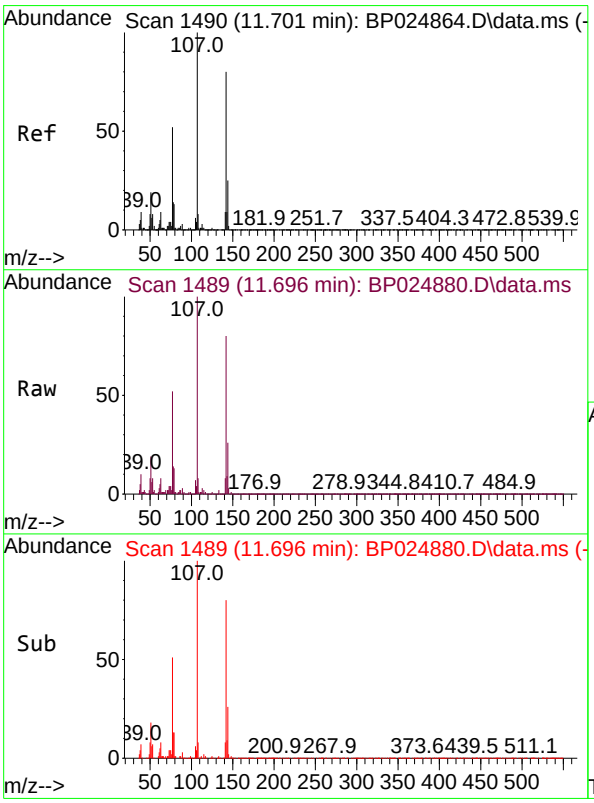
Ion	Ratio	Lower	Upper
113	100		
55	175.6	132.5	172.5
56	116.7	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

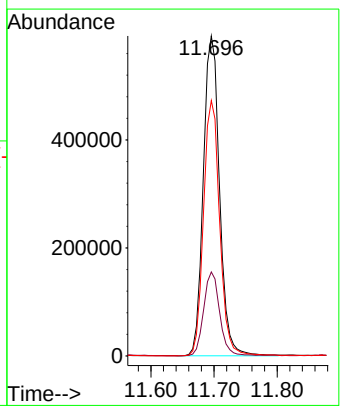


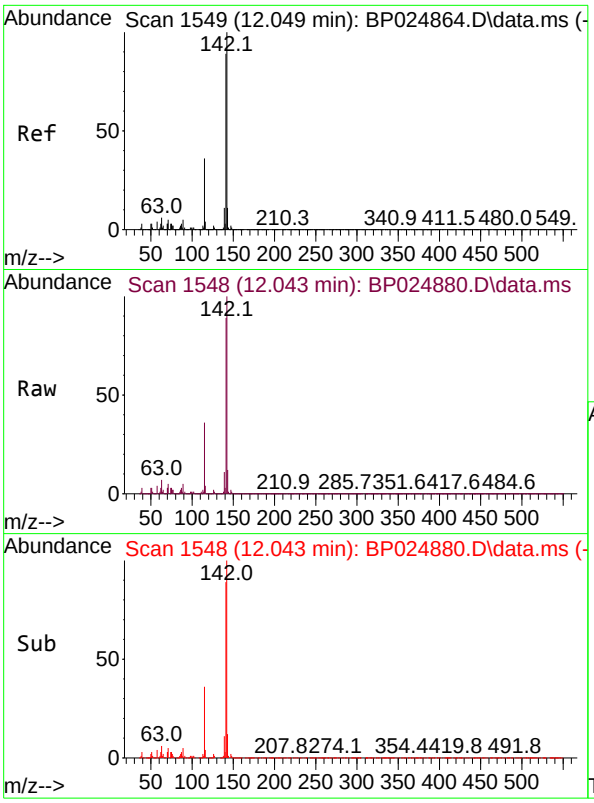


#36
4-Chloro-3-methylphenol
Concen: 45.963 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 1057705

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.4	30.6
142	79.8	63.8	95.6

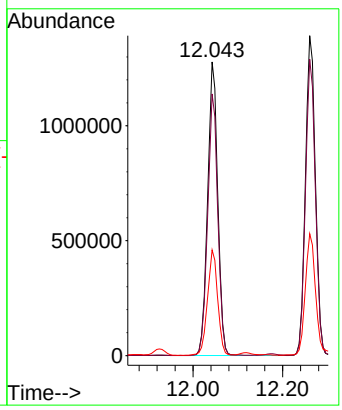




#37
2-Methylnaphthalene
Concen: 45.686 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:142 Resp: 200022

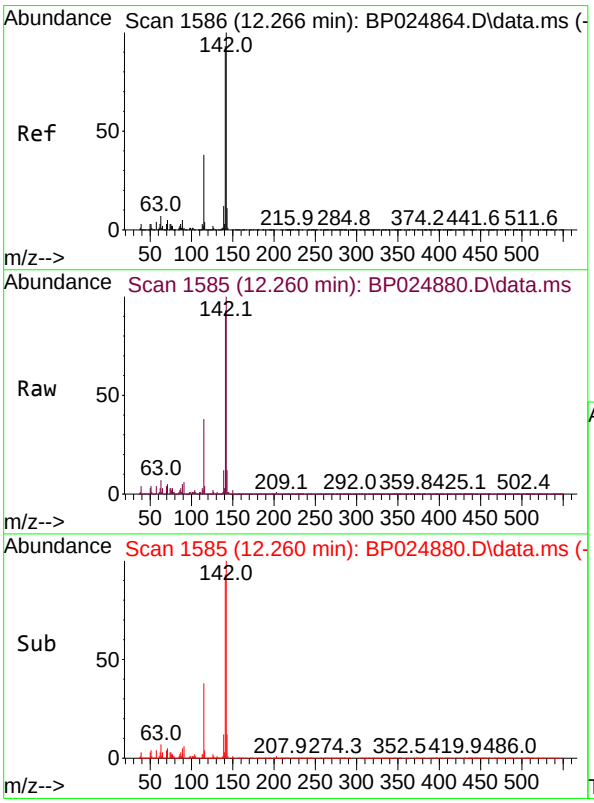
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	36.0	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

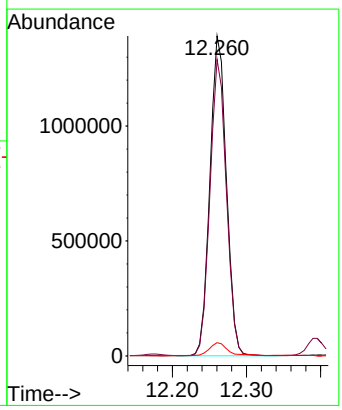
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

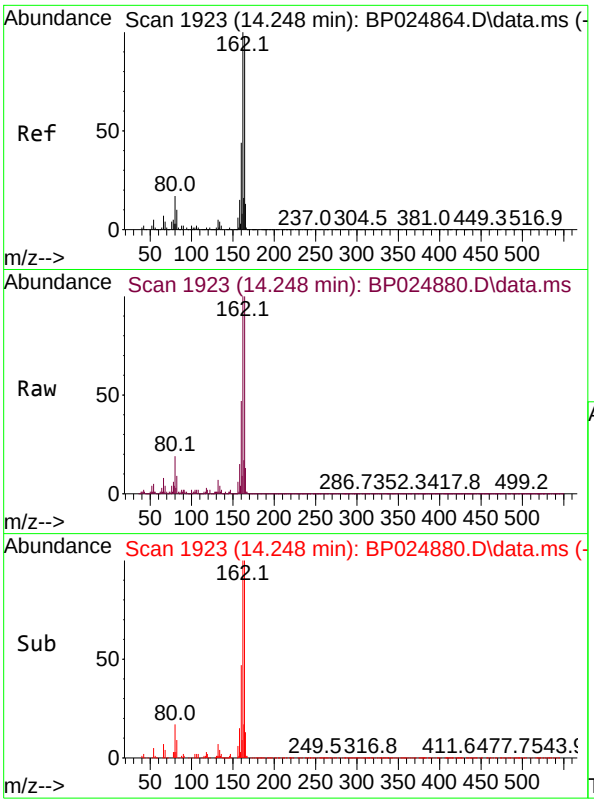


#38
1-Methylnaphthalene
Concen: 45.868 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:142 Resp: 2147003

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.1	3.4	5.0

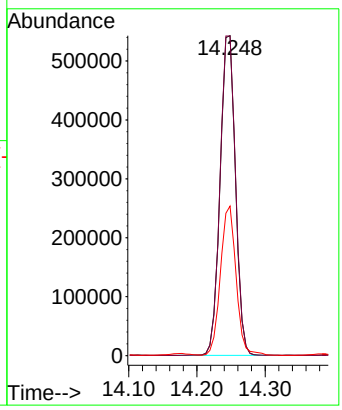




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:164 Resp: 84105

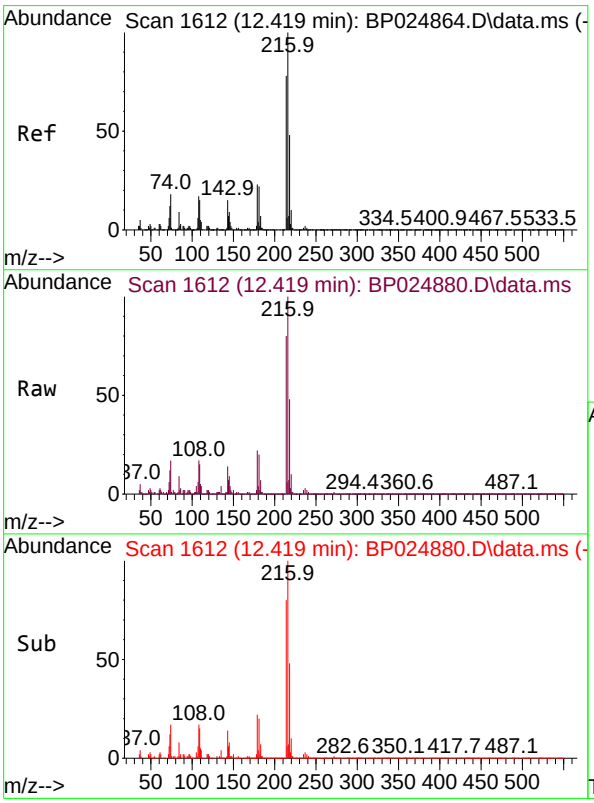
Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.6	122.4
160	46.7	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

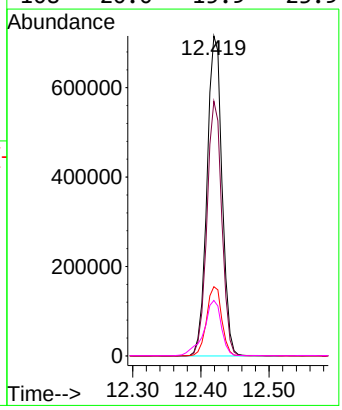
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

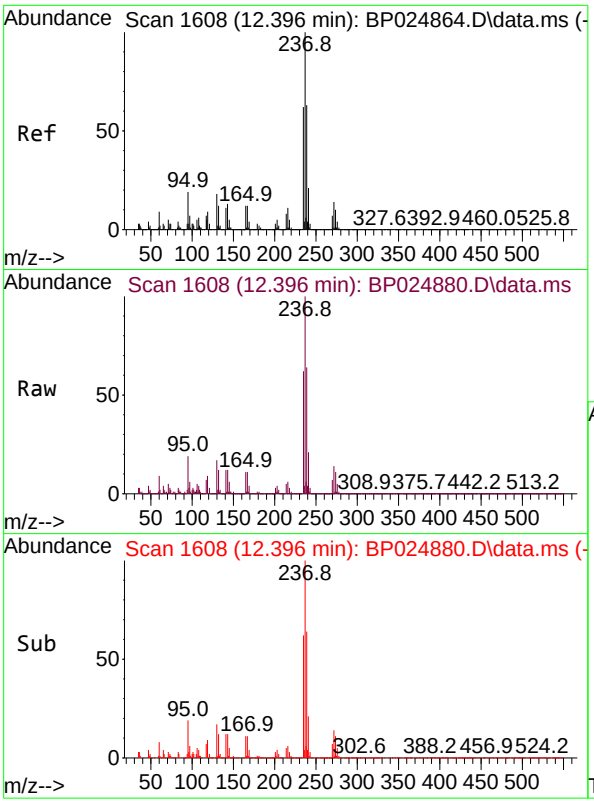


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.831 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:216 Resp: 1093780

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.9	17.8	26.6
108	20.0	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 66.457 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

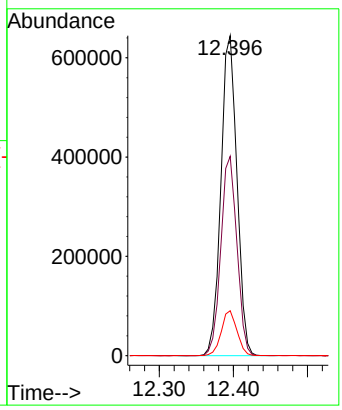
Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

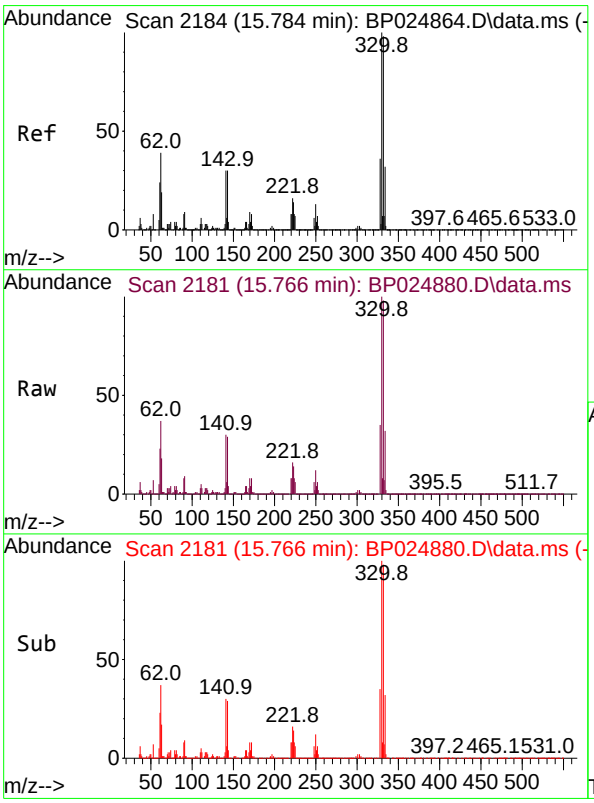
Tgt Ion:237 Resp: 96736

Ion	Ratio	Lower	Upper
237	100		
235	62.3	41.9	81.9
272	14.0	0.0	33.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

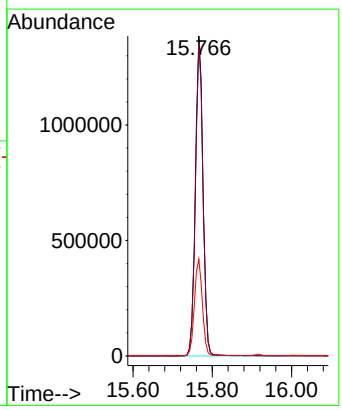


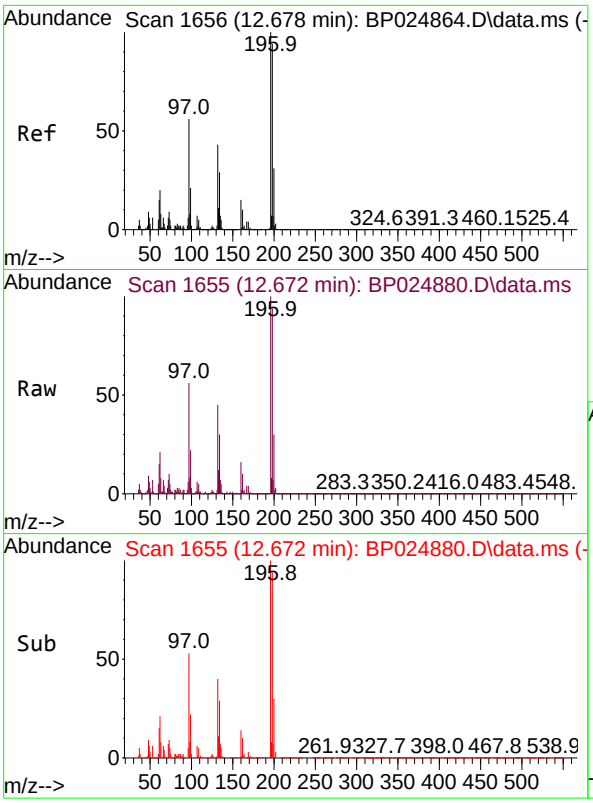


#42
2,4,6-Tribromophenol
Concen: 158.655 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:330 Resp: 1844847

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	31.4	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 53.157 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

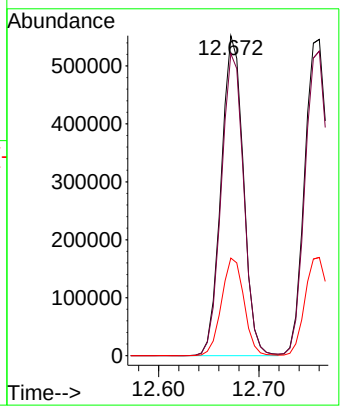
Tgt Ion:196 Resp: 85195

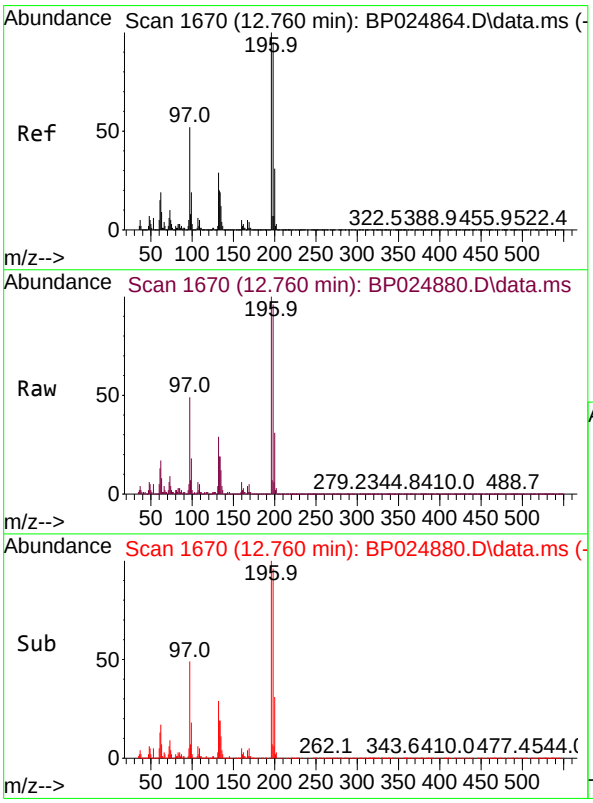
Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.0
200	30.5	24.4	36.6

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

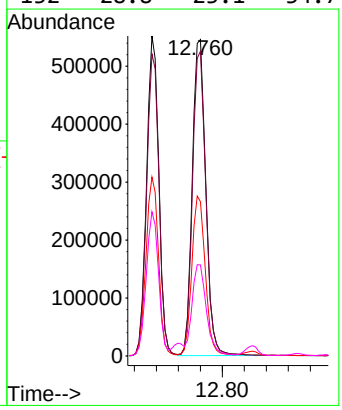


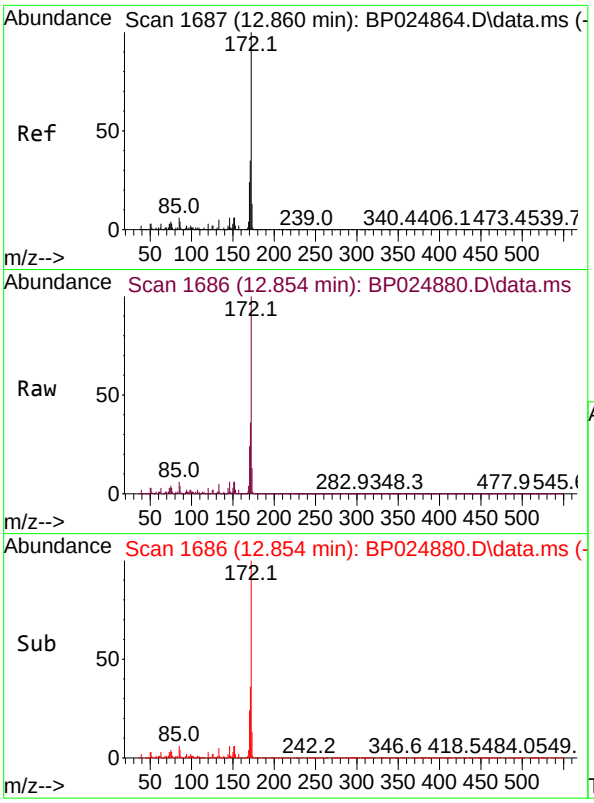


#44
2,4,5-Trichlorophenol
Concen: 54.280 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:196 Resp: 931664

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.0	114.0
97	48.7	41.5	62.3
132	28.8	23.1	34.7

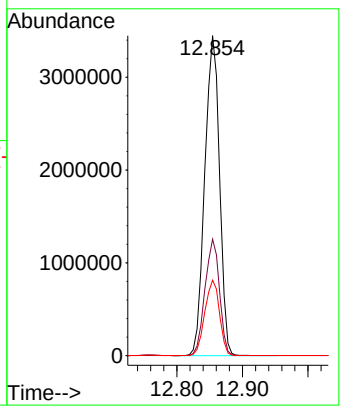




#45
2-Fluorobiphenyl
Concen: 85.864 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:172 Resp: 536080

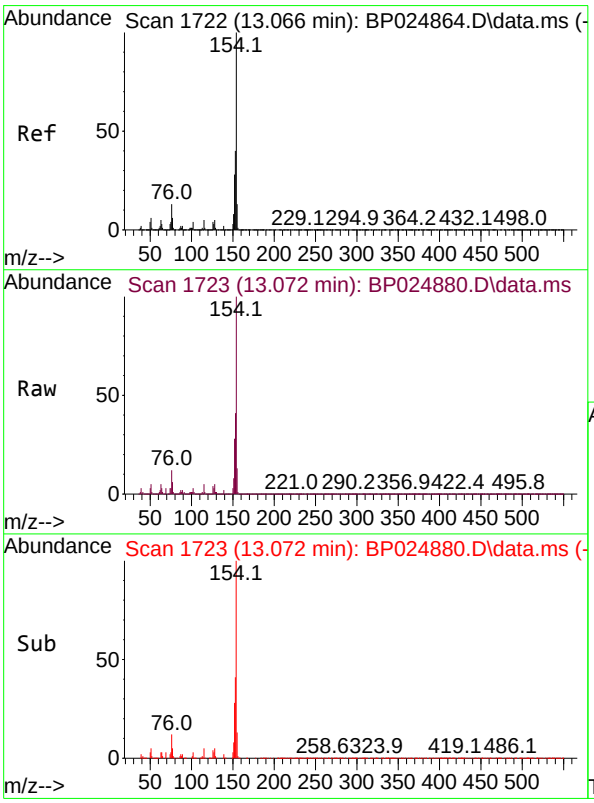
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

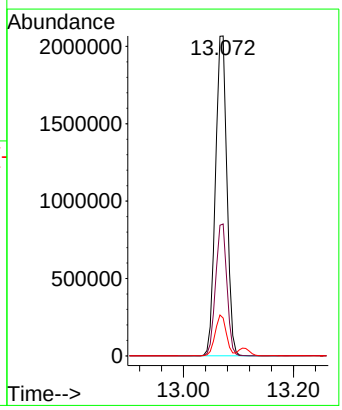
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

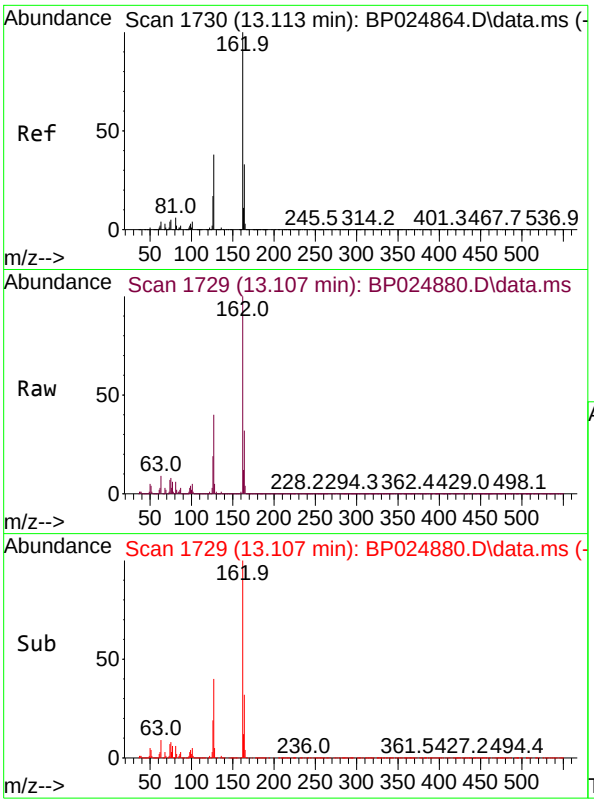


#46
1,1'-Biphenyl
Concen: 48.840 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:154 Resp: 2985178

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.3	60.3
76	11.8	0.0	33.0

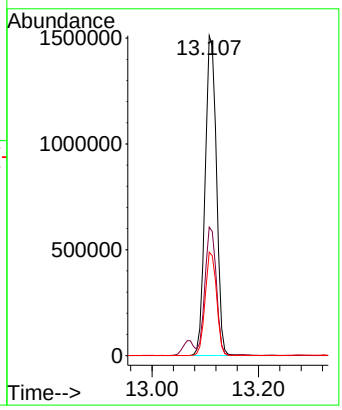




#47
2-Chloronaphthalene
Concen: 47.423 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:162 Resp: 222775

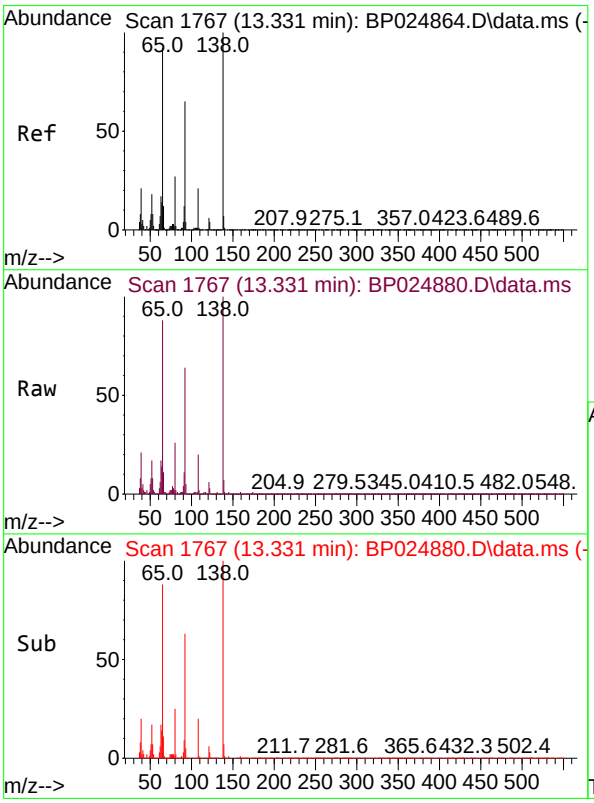
Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.5	48.7
164	32.3	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

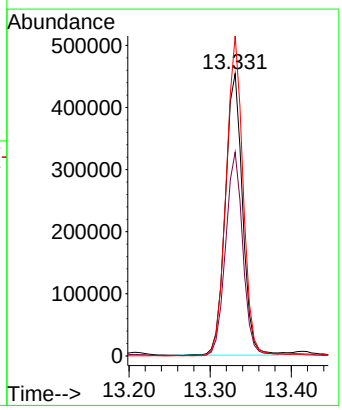
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

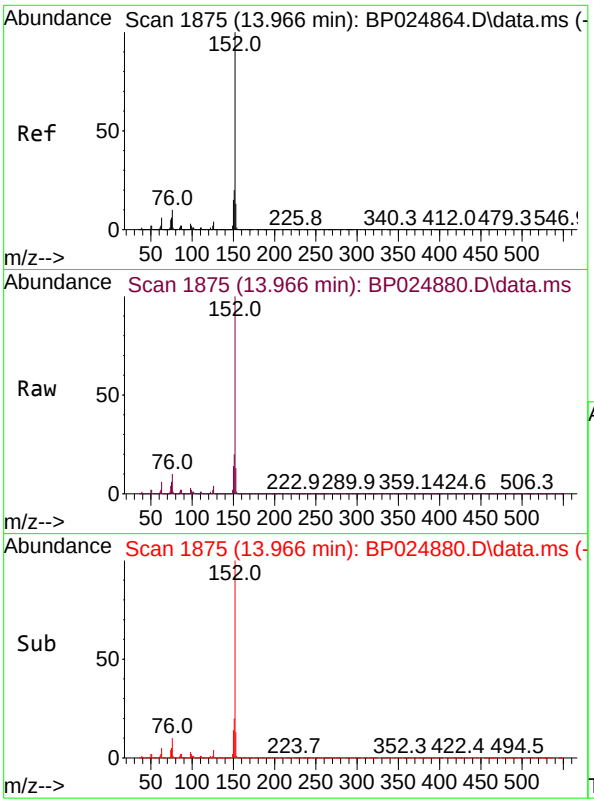


#48
2-Nitroaniline
Concen: 46.407 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 65 Resp: 670214

Ion	Ratio	Lower	Upper
65	100		
92	72.2	56.8	85.2
138	113.4	86.9	130.3

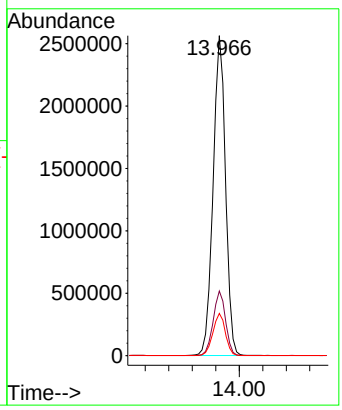




#49
Acenaphthylene
Concen: 48.008 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:152 Resp: 376037

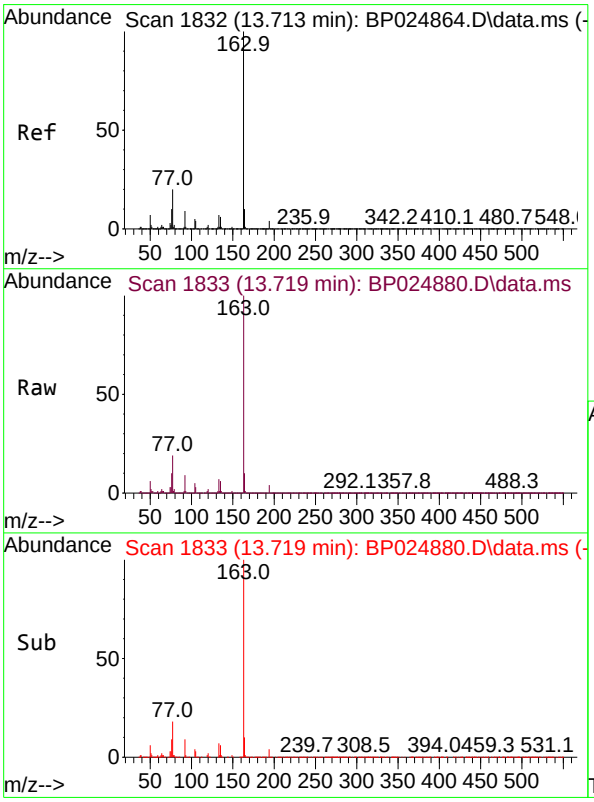
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

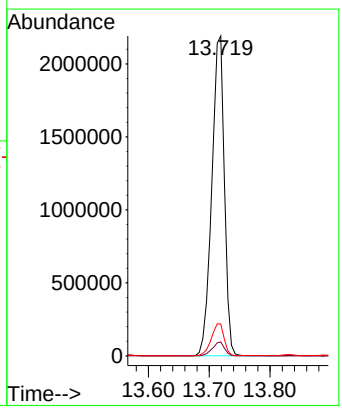
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

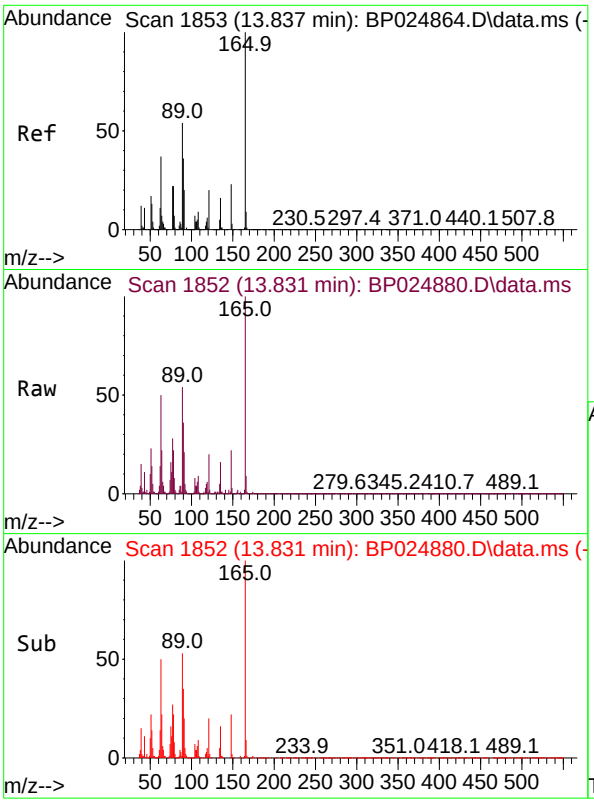


#50
Dimethylphthalate
Concen: 50.649 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:163 Resp: 3142438

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 52.372 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

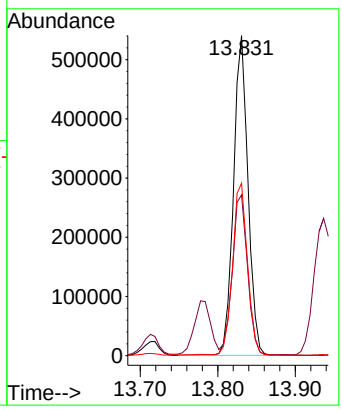
Tgt Ion:165 Resp: 70047

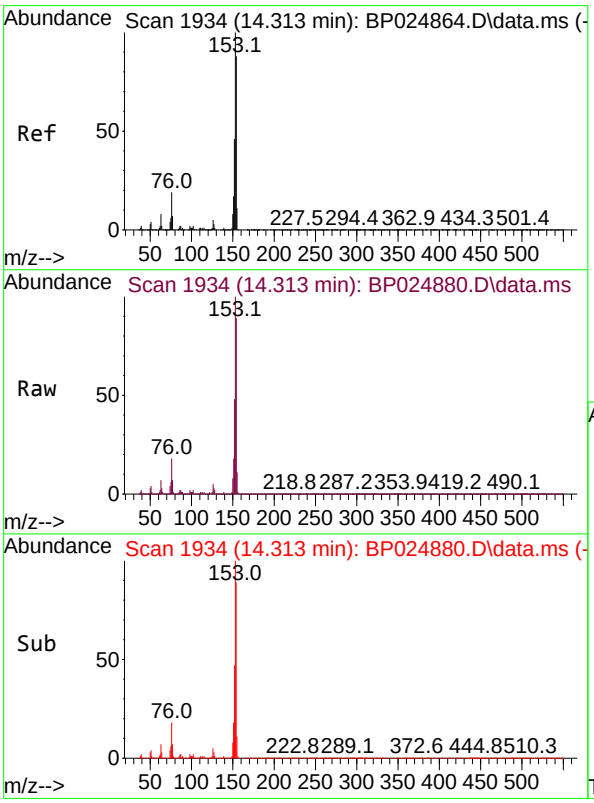
Ion	Ratio	Lower	Upper
165	100		
63	50.2	41.8	62.8
89	53.9	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

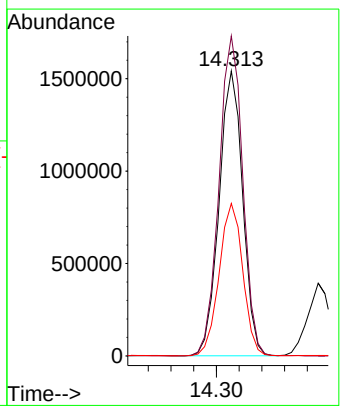


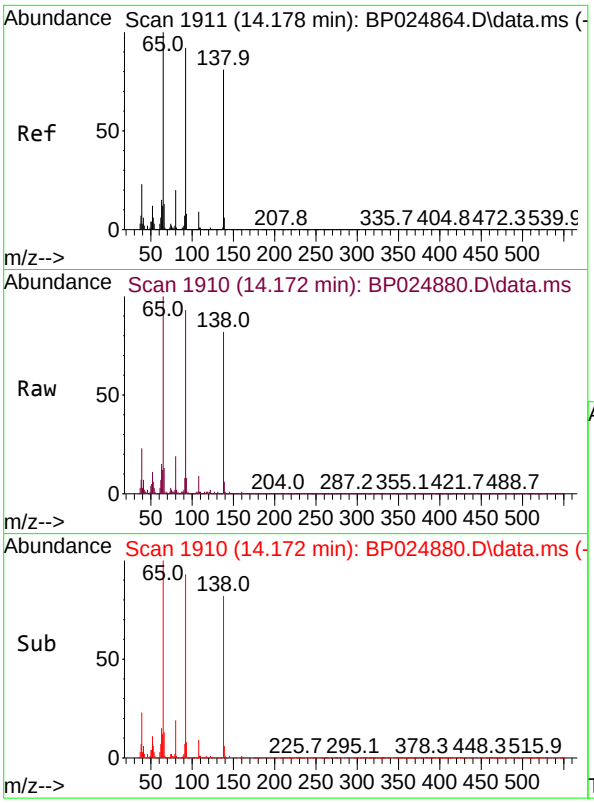


#52
Acenaphthene
Concen: 49.549 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:154 Resp: 2223943

Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.5	135.7
152	53.5	42.1	63.1





#53
3-Nitroaniline
Concen: 30.534 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

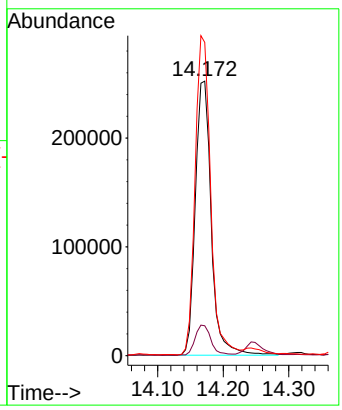
Tgt Ion:138 Resp: 42382

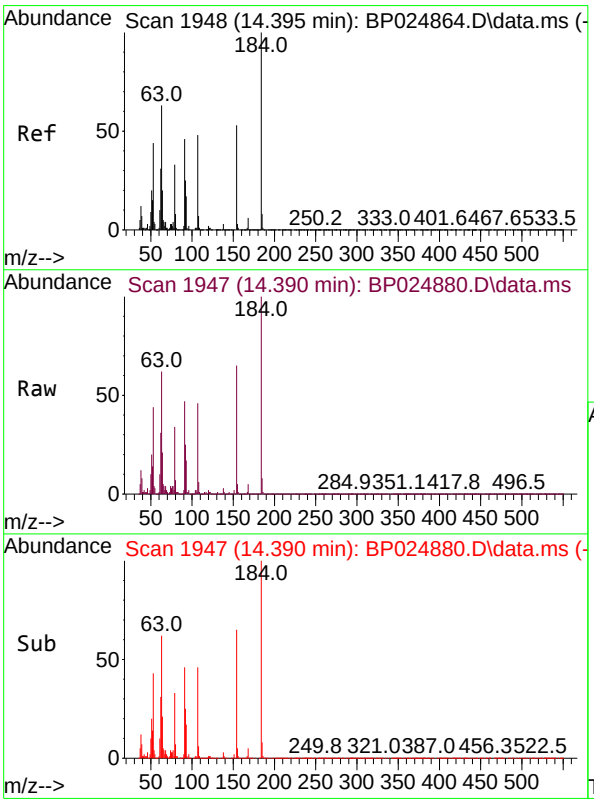
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	114.1	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

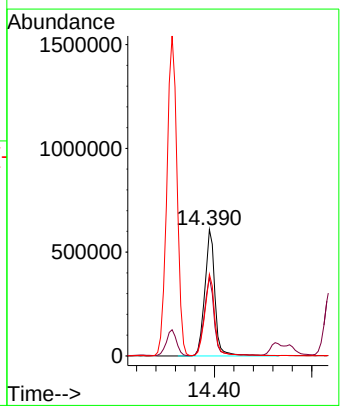


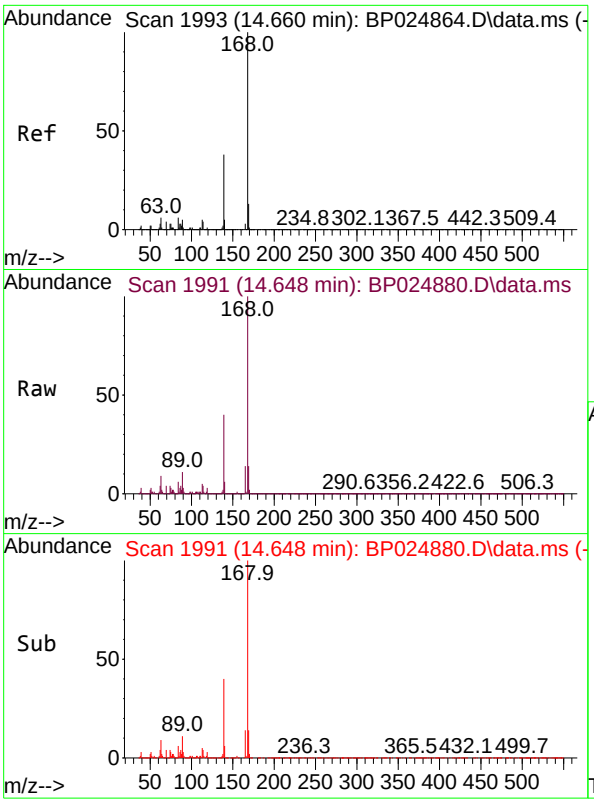


#54
2,4-Dinitrophenol
Concen: 99.689 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:184 Resp: 881046

Ion	Ratio	Lower	Upper
184	100		
63	62.1	51.0	76.4
154	64.7	51.7	77.5

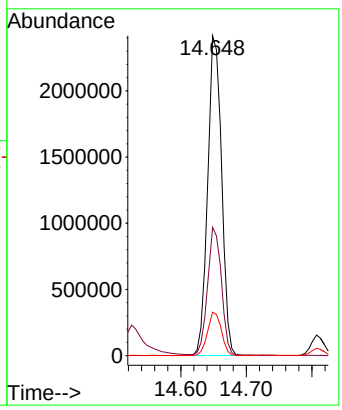




#55
Dibenzofuran
Concen: 49.440 ng
RT: 14.648 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:168 Resp: 356201

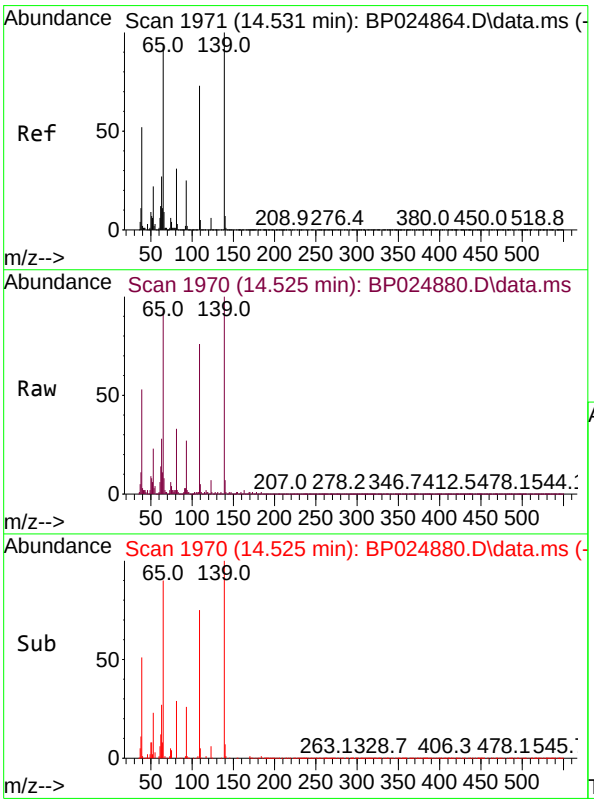
Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.6	47.4
169	13.6	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

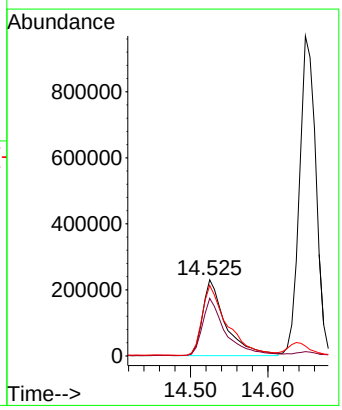
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

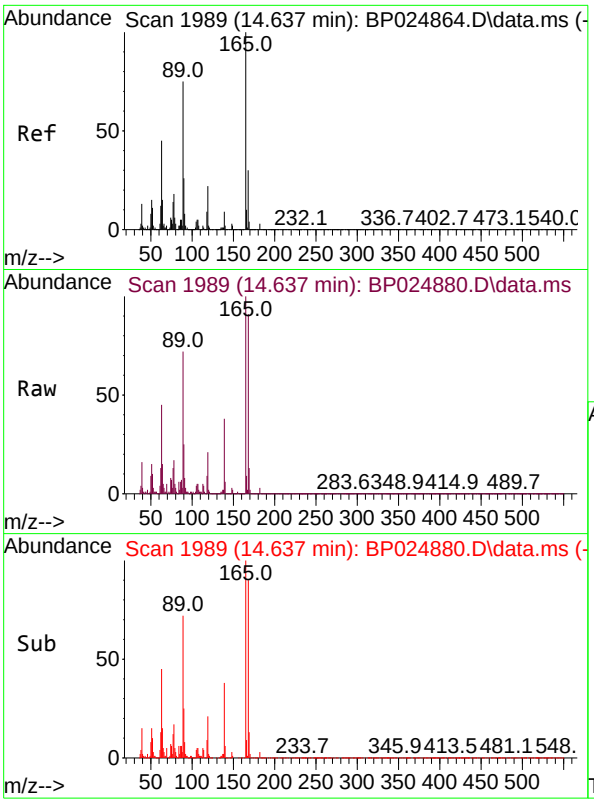


#56
4-Nitrophenol
Concen: 42.732 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:139 Resp: 470374

Ion	Ratio	Lower	Upper
139	100		
109	75.7	53.1	93.1
65	92.6	73.0	113.0

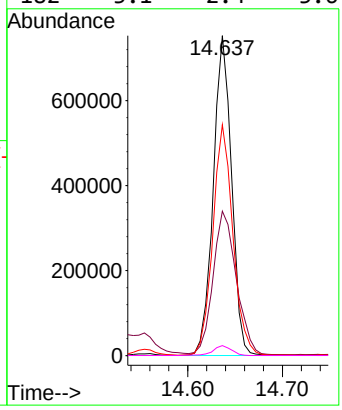




#57
2,4-Dinitrotoluene
Concen: 54.002 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:165 Resp: 101035

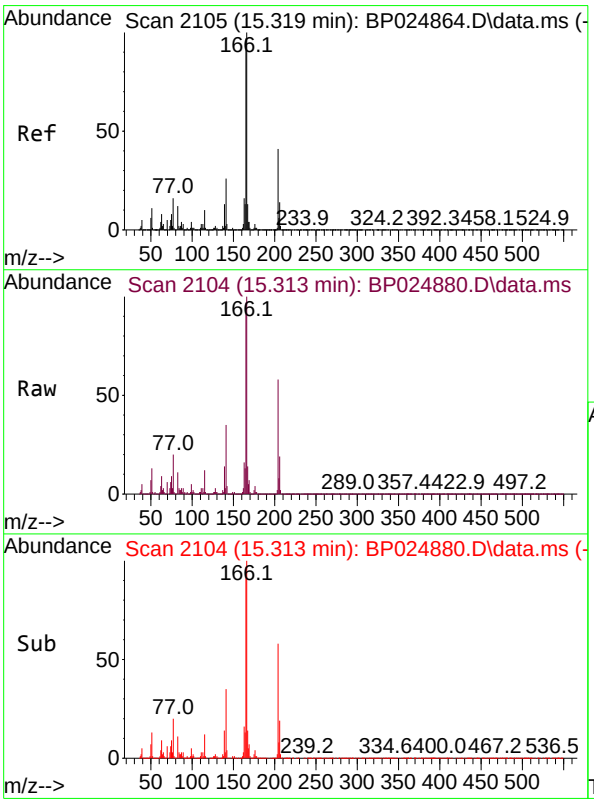
Ion	Ratio	Lower	Upper
165	100		
63	45.1	37.0	55.6
89	72.1	60.1	90.1
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

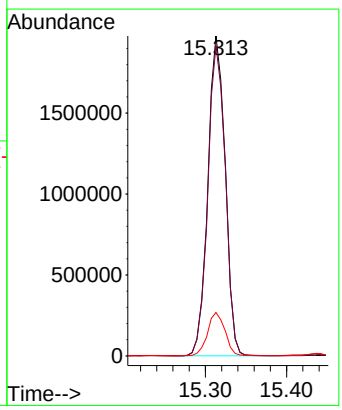
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

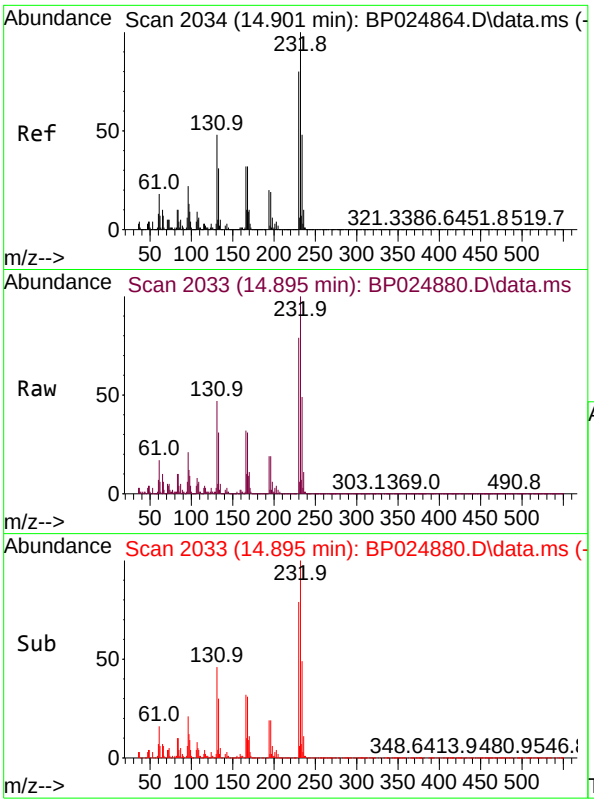


#58
Fluorene
Concen: 50.635 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:166 Resp: 2947017

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.7	116.5
167	13.6	10.6	16.0

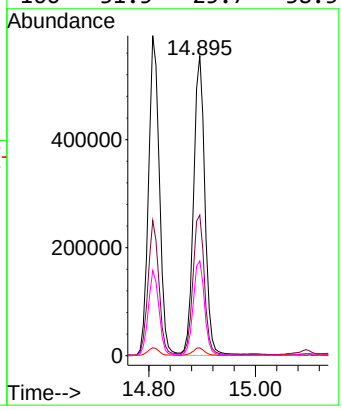




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.716 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:232 Resp: 82377

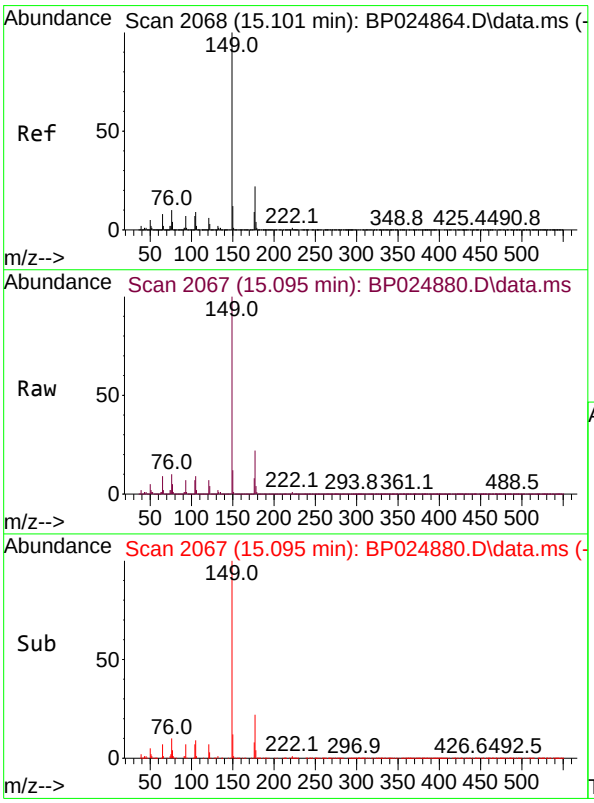
Ion	Ratio	Lower	Upper
232	100		
131	46.9	38.2	57.2
130	2.6	2.1	3.1
166	31.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

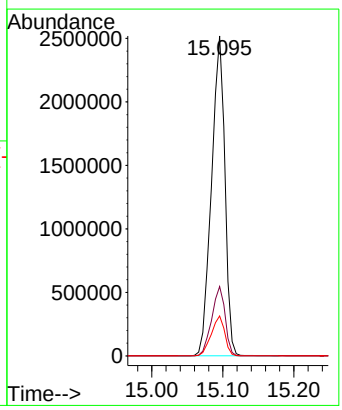
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

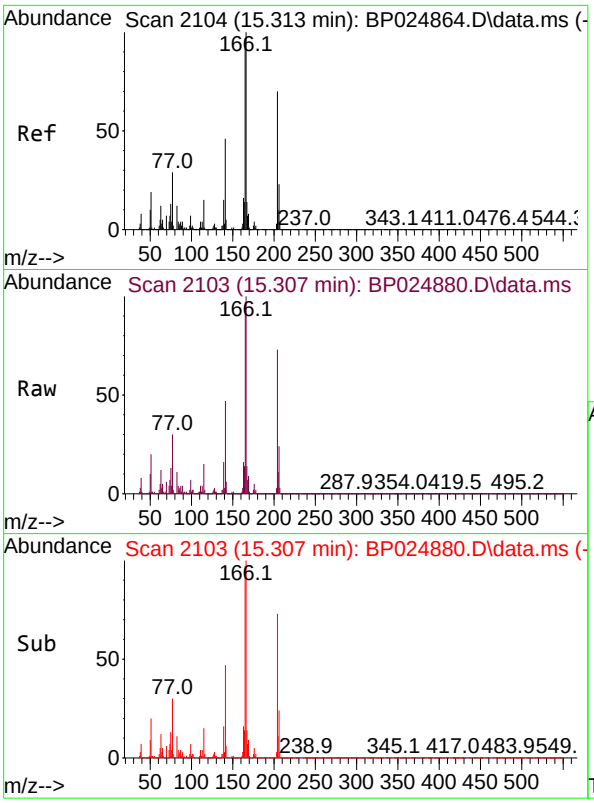


#60
Diethylphthalate
Concen: 53.307 ng
RT: 15.095 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 3296154

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.9	26.9
150	12.5	9.8	14.6

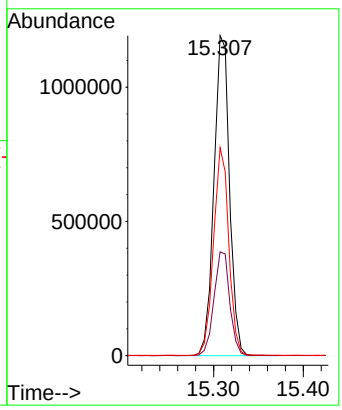




#61
4-Chlorophenyl-phenylether
Concen: 50.830 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:204 Resp: 144649

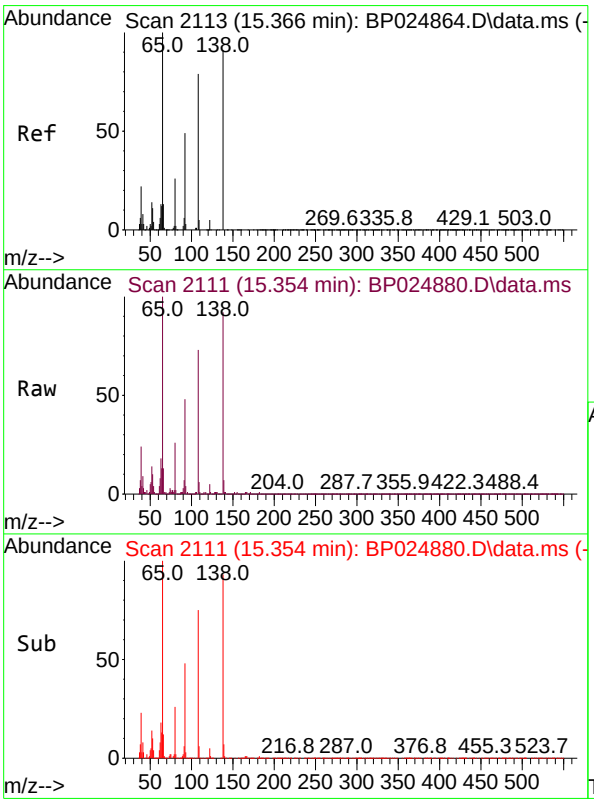
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	65.0	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

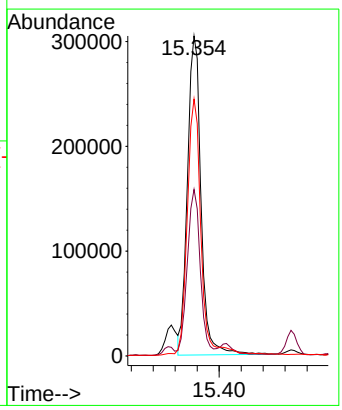
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

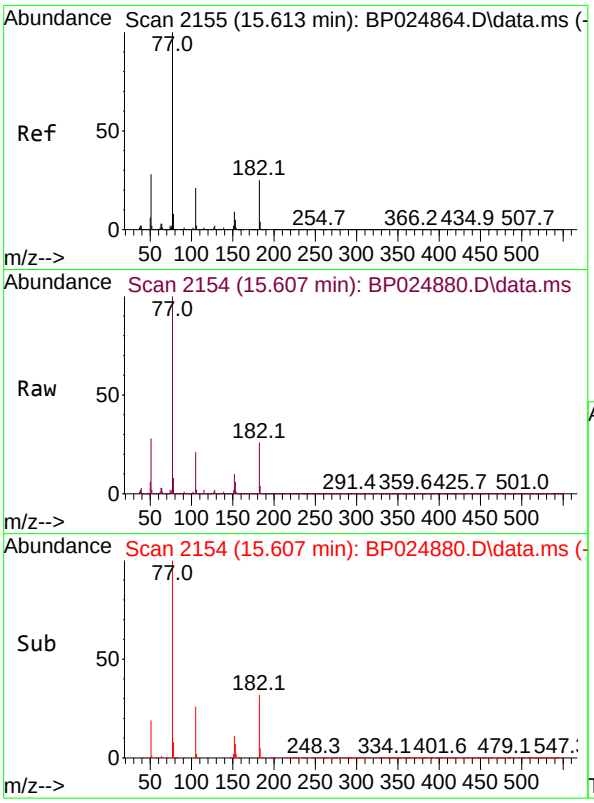


#62
4-Nitroaniline
Concen: 41.603 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:138 Resp: 523586

Ion	Ratio	Lower	Upper
138	100		
92	52.0	33.5	73.5
108	80.3	65.1	105.1

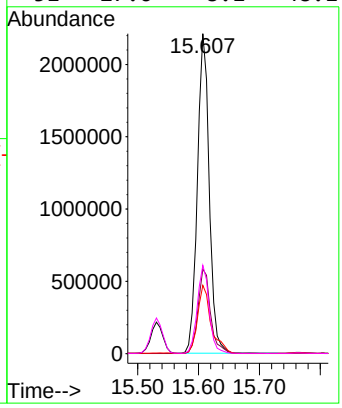




#63
Azobenzene
Concen: 52.624 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 77 Resp: 298427

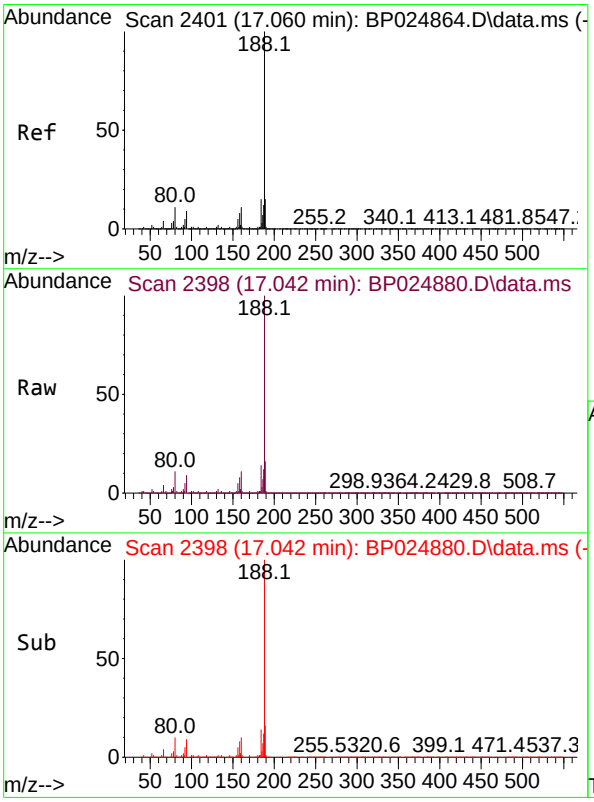
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	21.3	0.8	40.8
51	27.6	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

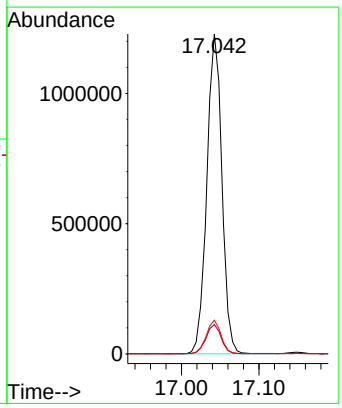
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

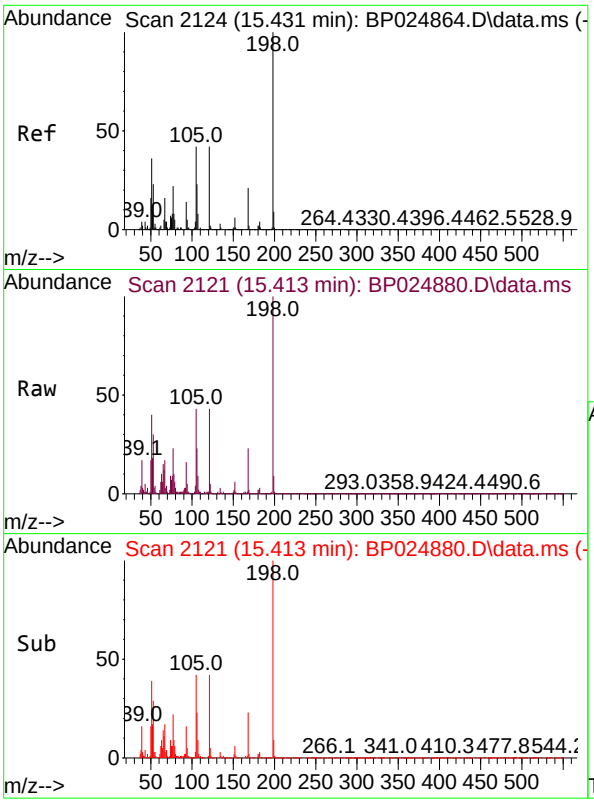


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:188 Resp: 1657665

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.5	8.5	12.7

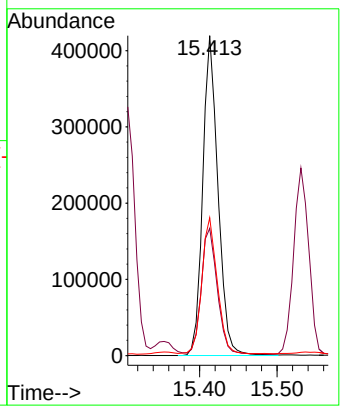




#65
4,6-Dinitro-2-methylphenol
Concen: 52.658 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:198 Resp: 57356

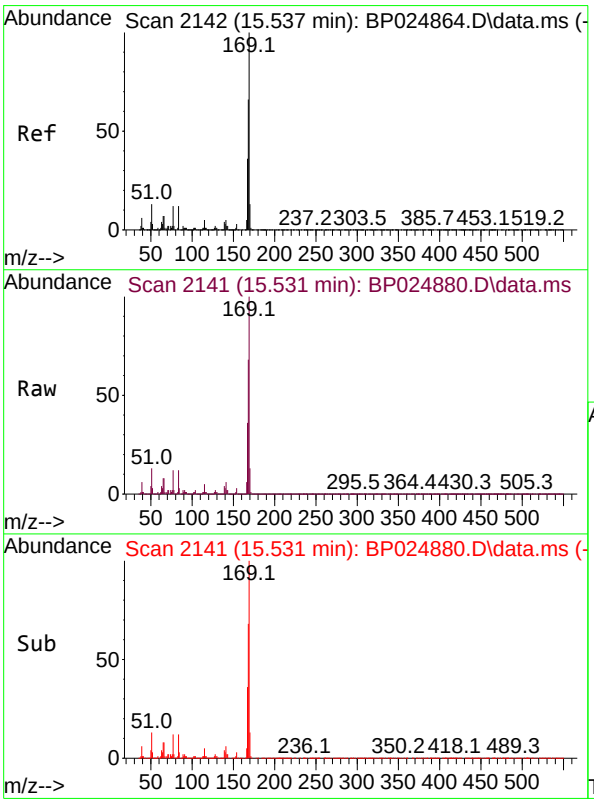
Ion	Ratio	Lower	Upper
198	100		
51	39.8	19.2	59.2
105	43.1	22.6	62.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

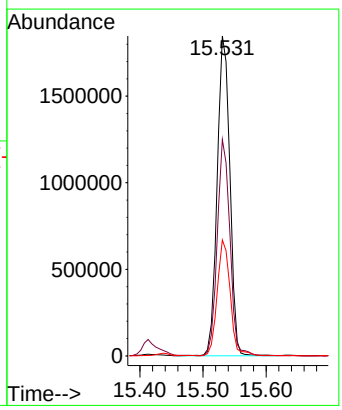
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

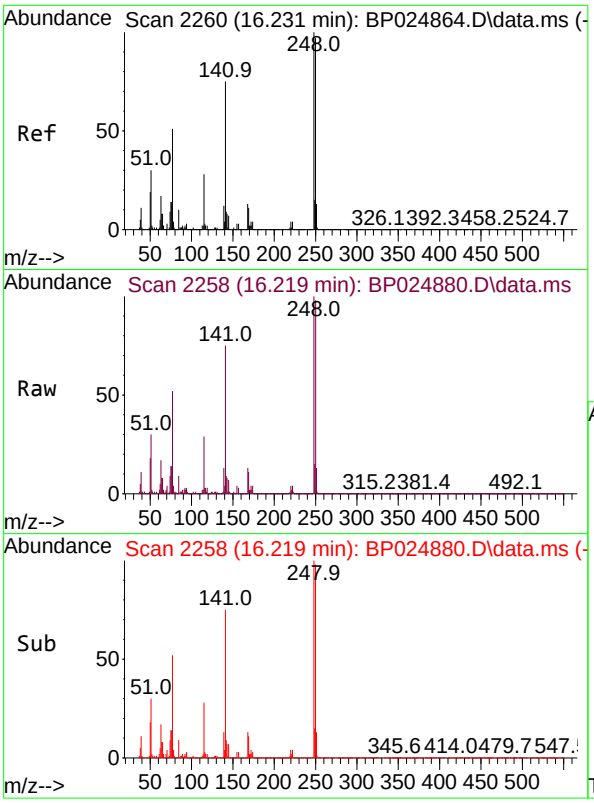


#66
n-Nitrosodiphenylamine
Concen: 50.028 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:169 Resp: 2570412

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.0	79.6
167	36.2	28.6	43.0

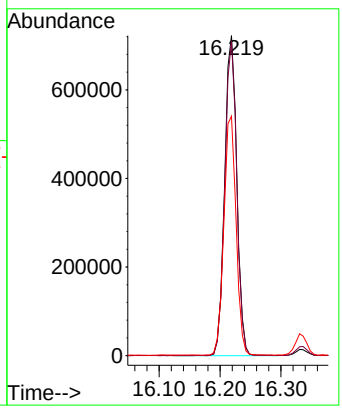




#67
4-Bromophenyl-phenylether
Concen: 53.352 ng
RT: 16.219 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:248 Resp: 99788

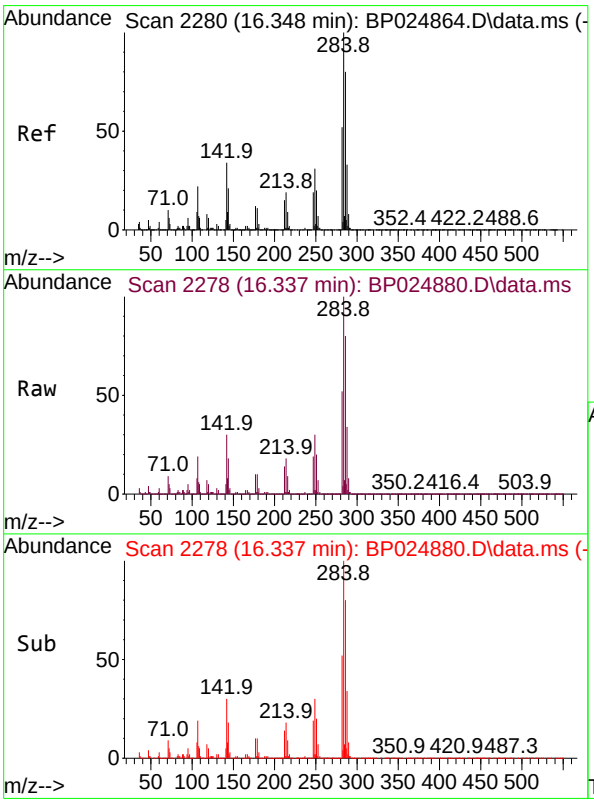
Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.4	116.2
141	74.8	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

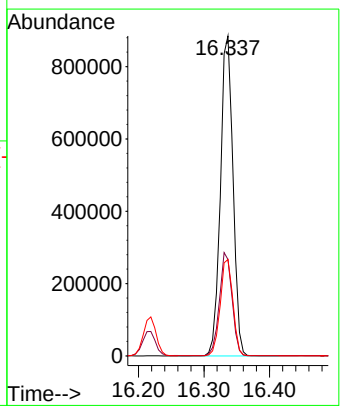
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

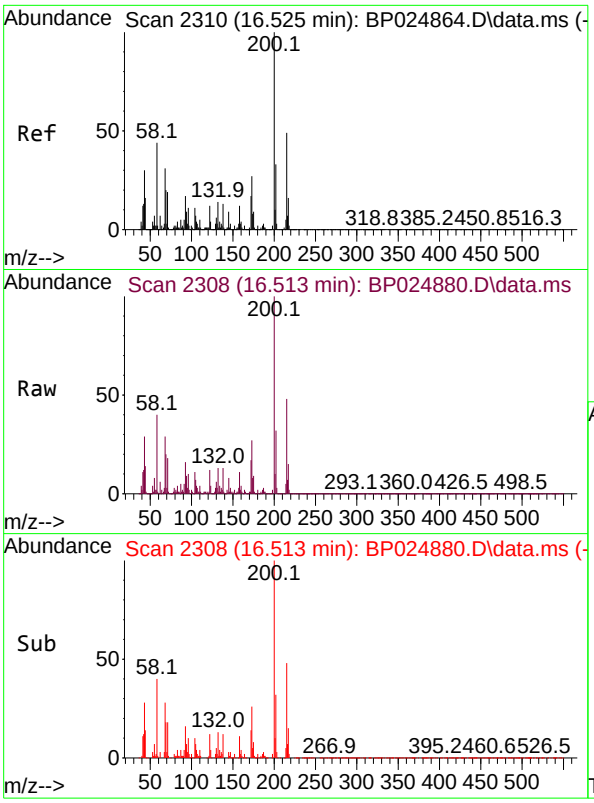


#68
Hexachlorobenzene
Concen: 52.127 ng
RT: 16.337 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:284 Resp: 1181954

Ion	Ratio	Lower	Upper
284	100		
142	30.1	27.0	40.6
249	30.1	25.0	37.6

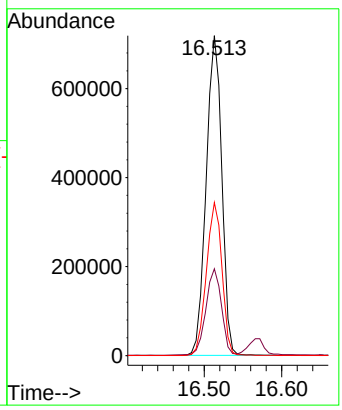




#69
Atrazine
Concen: 53.958 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:200 Resp: 100502

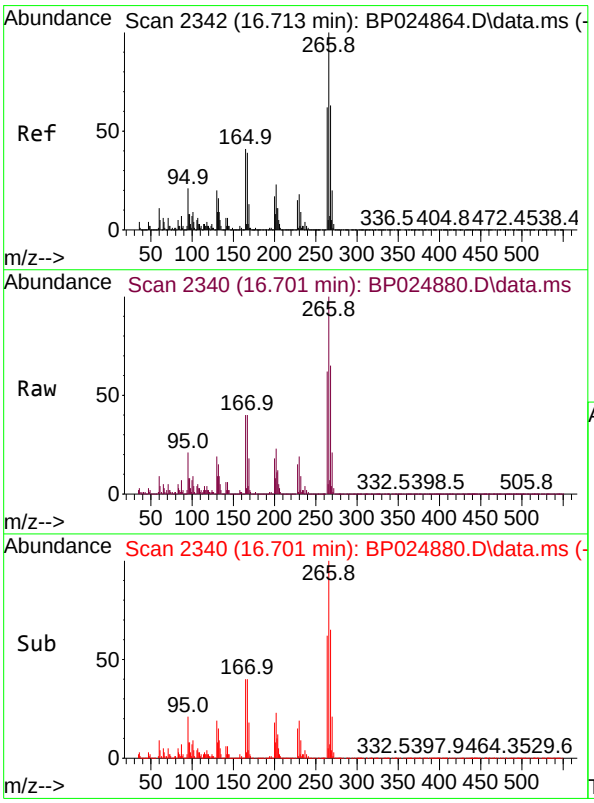
Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.9	46.9
215	47.8	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

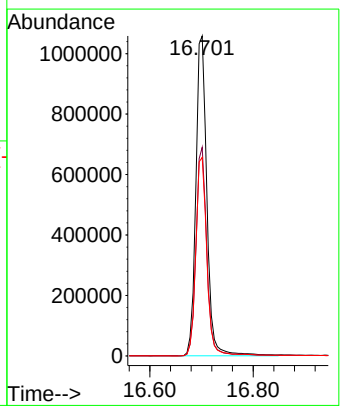
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

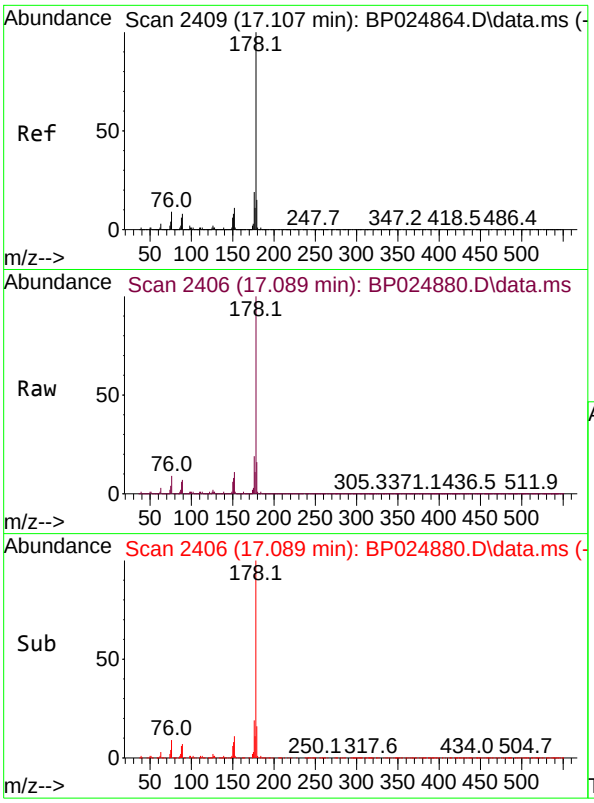


#70
Pentachlorophenol
Concen: 133.632 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:266 Resp: 1568201

Ion	Ratio	Lower	Upper
266	100		
268	65.2	50.6	76.0
264	62.0	49.7	74.5





#71
Phenanthrene
Concen: 50.372 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

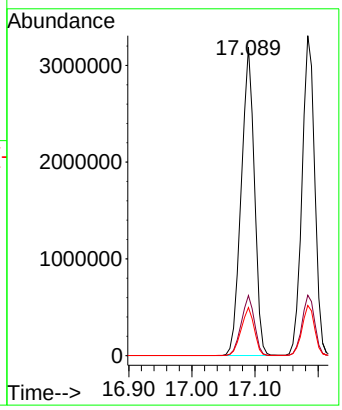
Tgt Ion:178 Resp: 461429

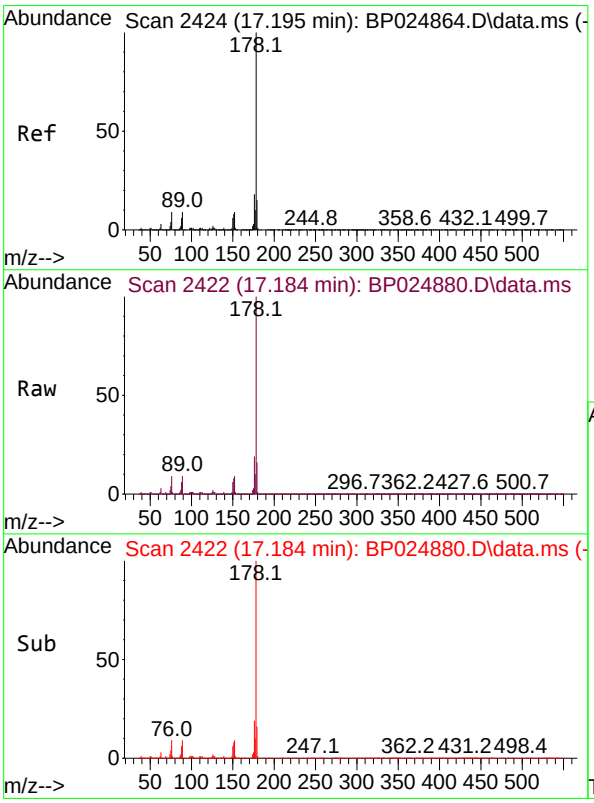
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

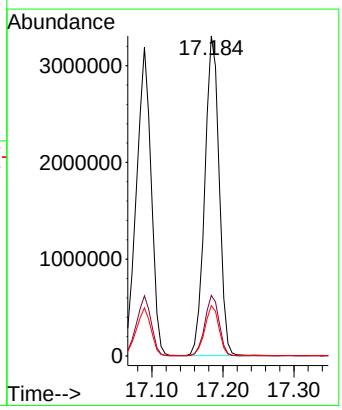


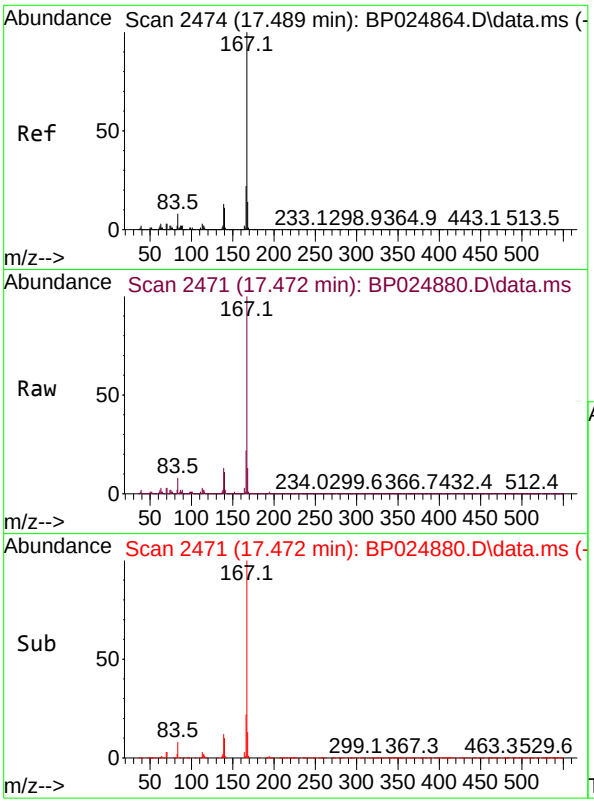


#72
Anthracene
Concen: 49.786 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:178 Resp: 4618867

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.3	18.5

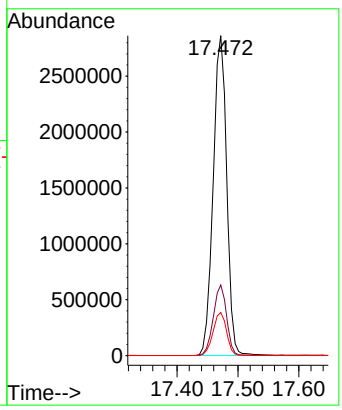




#73
Carbazole
Concen: 51.477 ng
RT: 17.472 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:167 Resp: 442669

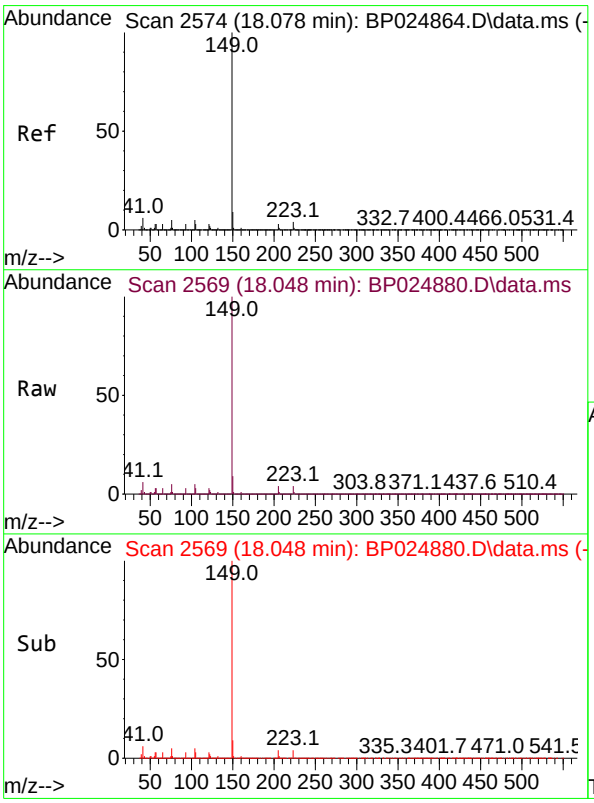
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.3	25.9
139	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

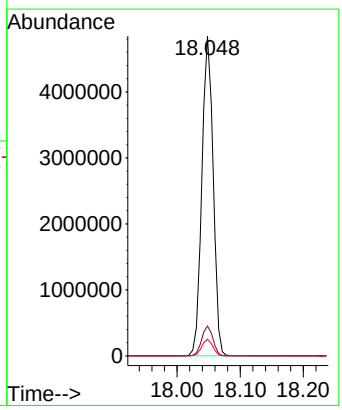
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

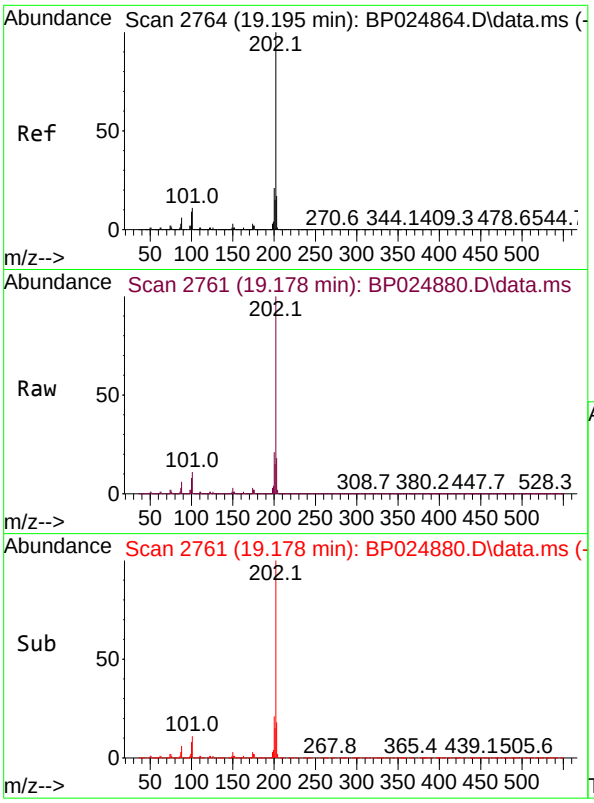


#74
Di-n-butylphthalate
Concen: 56.341 ng
RT: 18.048 min Scan# 2569
Delta R.T. -0.029 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 6002825

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2

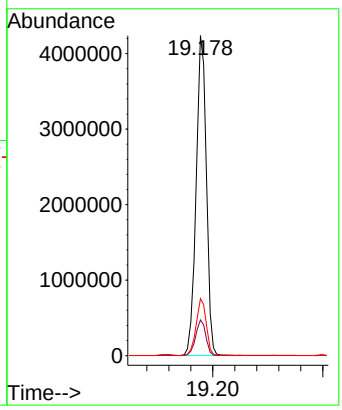




#75
Fluoranthene
Concen: 51.645 ng
RT: 19.178 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:202 Resp: 548333

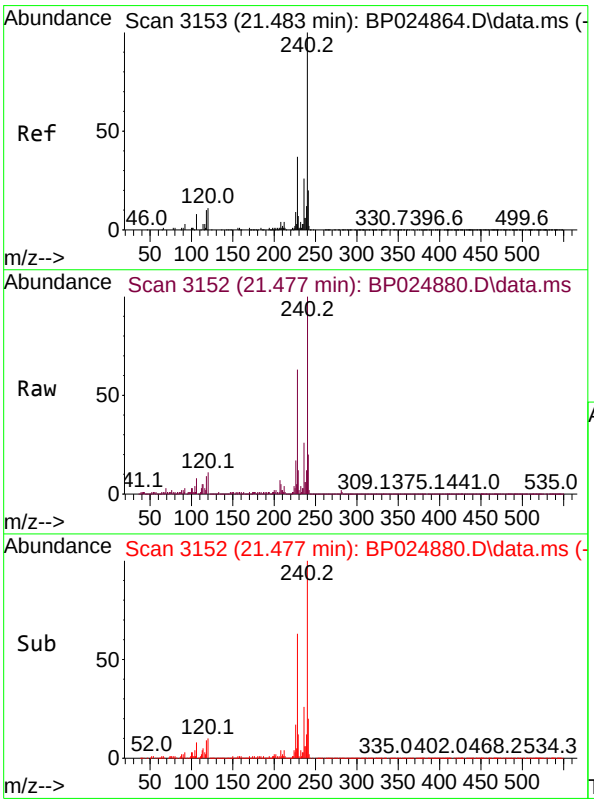
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

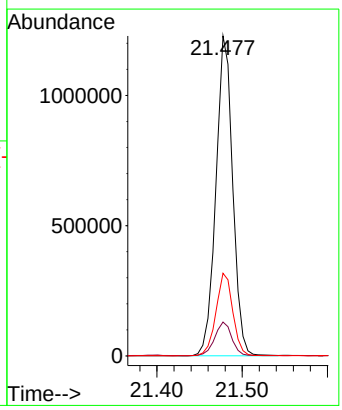
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

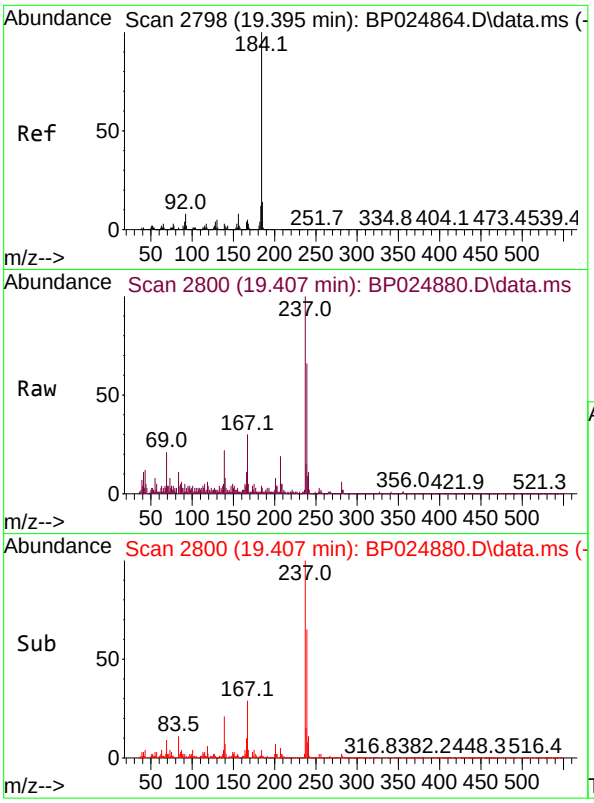


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:240 Resp: 1681535

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.8	20.9	31.3

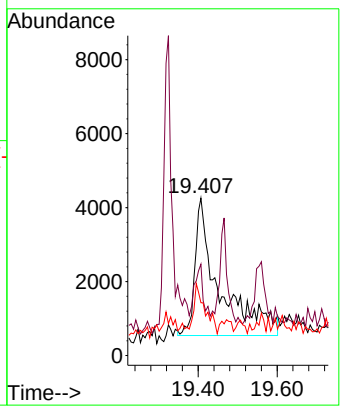




#77
Benzidine
Concen: 0.304 ng m
RT: 19.407 min Scan# 28
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:184 Resp: 1585

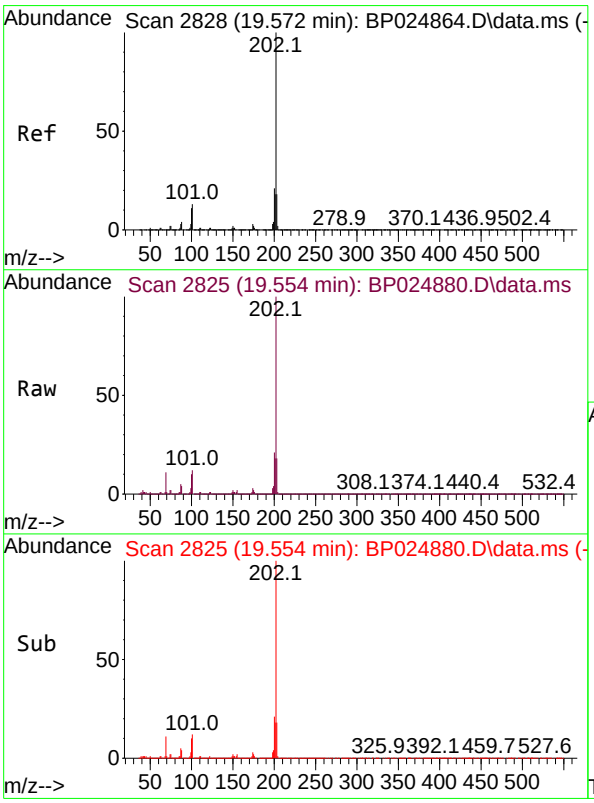
Ion	Ratio	Lower	Upper
184	100		
185	58.0	11.4	17.0#
183	33.6	9.5	14.3#



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

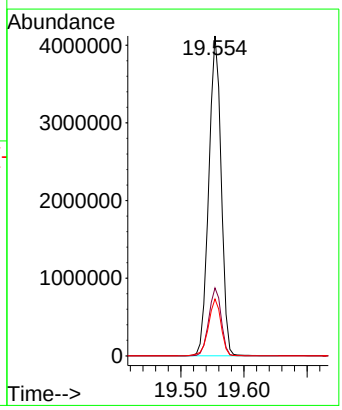
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

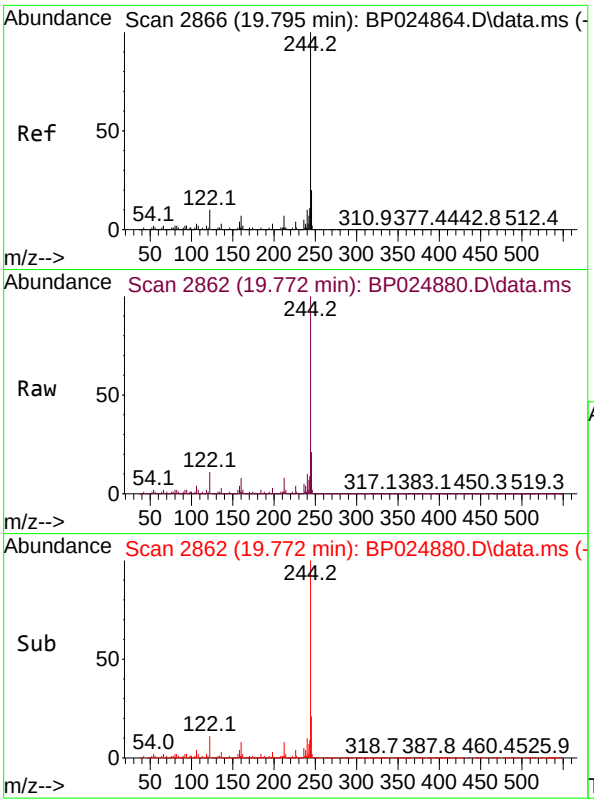


#78
Pyrene
Concen: 53.412 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:202 Resp: 5611099

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.8	14.0	21.0

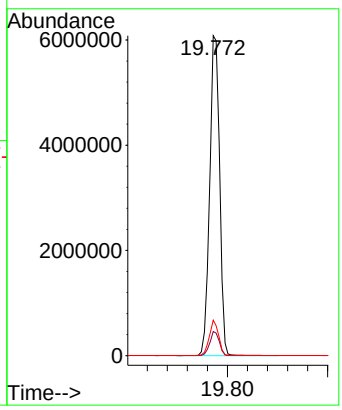




#79
Terphenyl-d14
Concen: 89.330 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.024 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:244 Resp: 838120

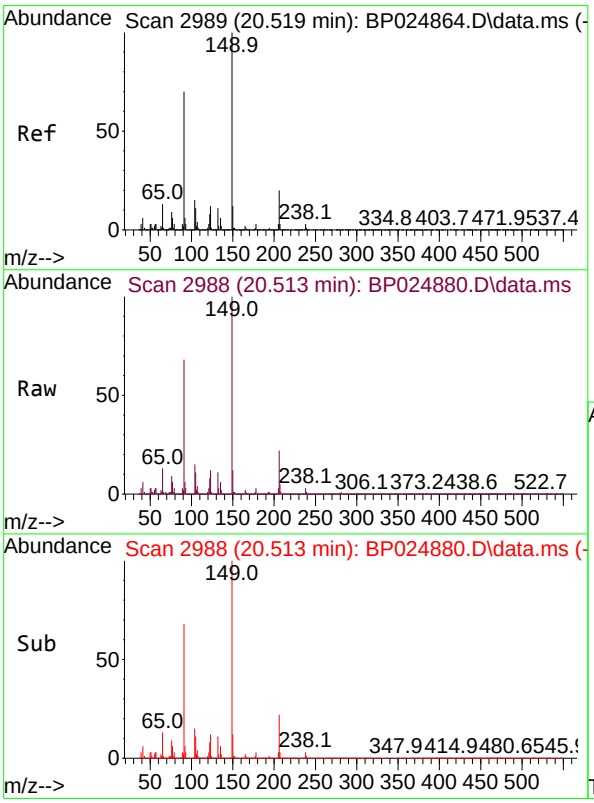
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	11.1	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

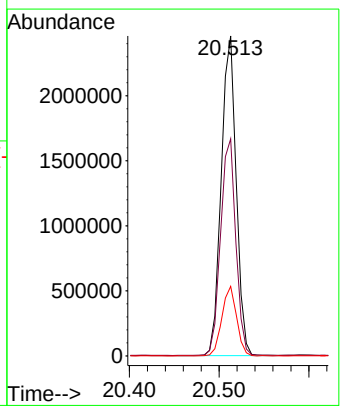
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

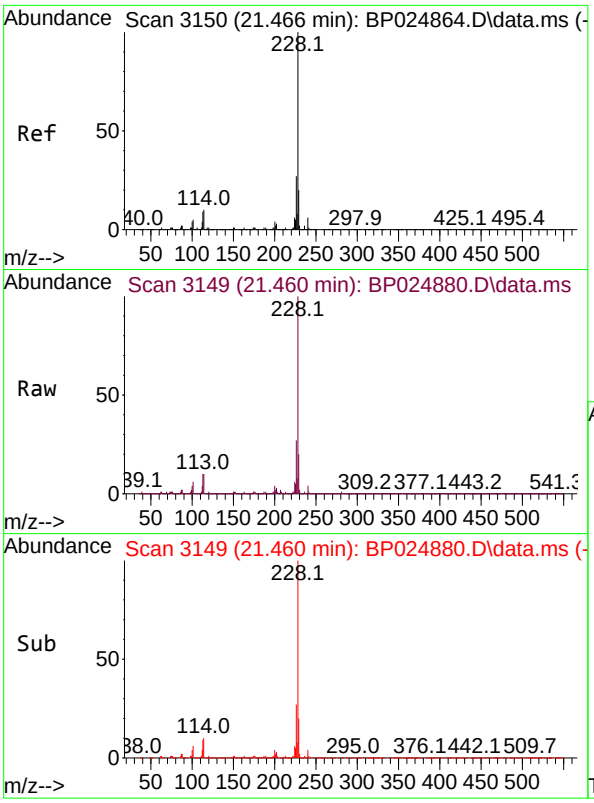


#80
Butylbenzylphthalate
Concen: 59.393 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 2857974

Ion	Ratio	Lower	Upper
149	100		
91	67.8	55.8	83.8
206	21.8	16.2	24.2

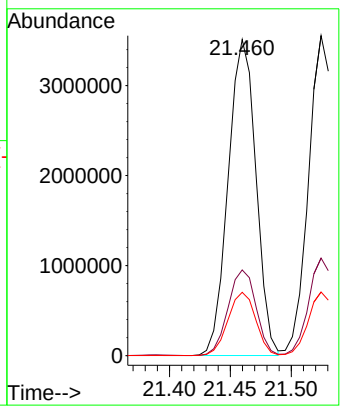




#81
Benzo(a)anthracene
Concen: 51.831 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:228 Resp: 557424

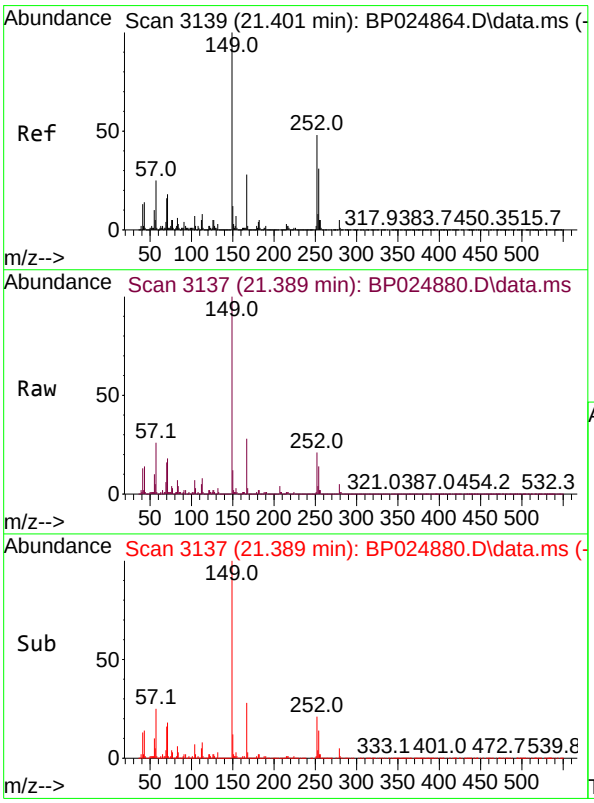
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

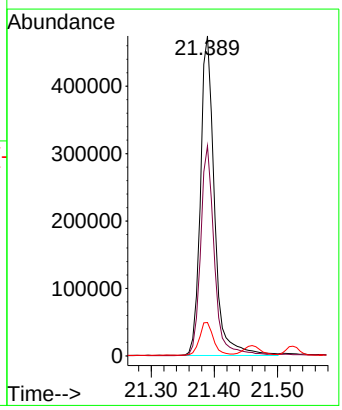
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

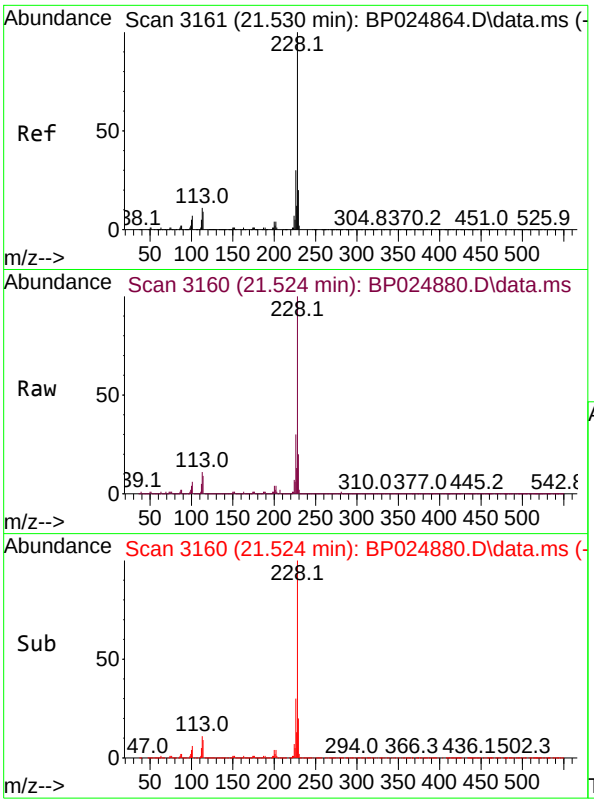


#82
3,3'-Dichlorobenzidine
Concen: 17.135 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 731610

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.2	76.8
126	10.4	8.6	12.8

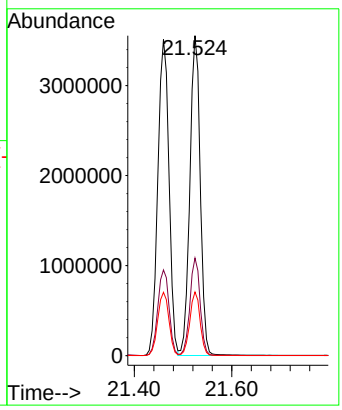




#83
Chrysene
Concen: 51.424 ng
RT: 21.524 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:228 Resp: 524030

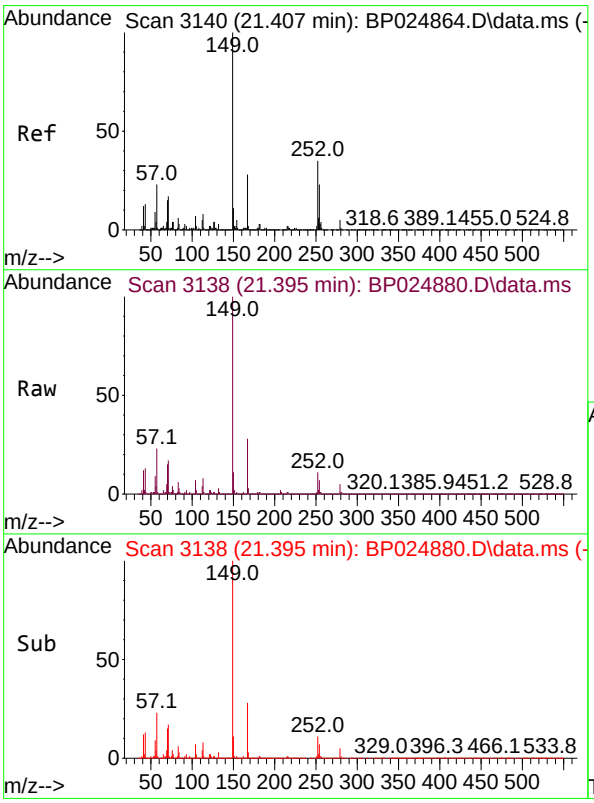
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

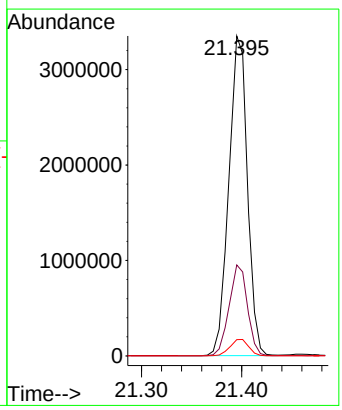
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

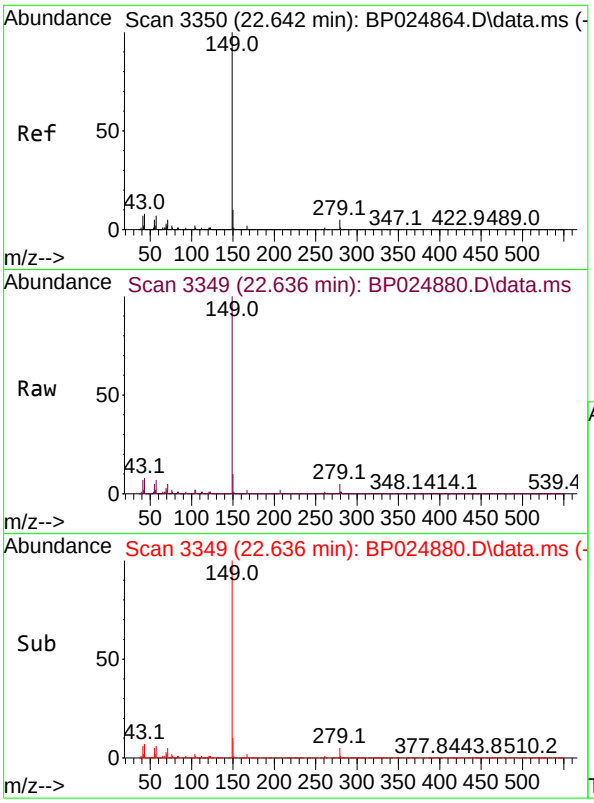


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.529 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 4311017

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.1	4.0	6.0





#85
Di-n-octyl phthalate
Concen: 60.971 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

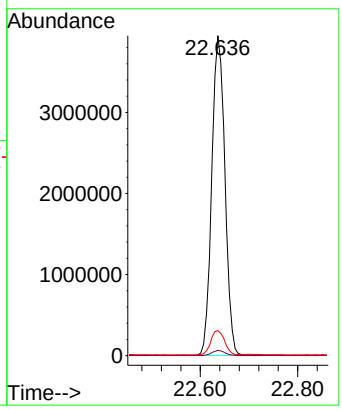
Tgt Ion:149 Resp: 740927

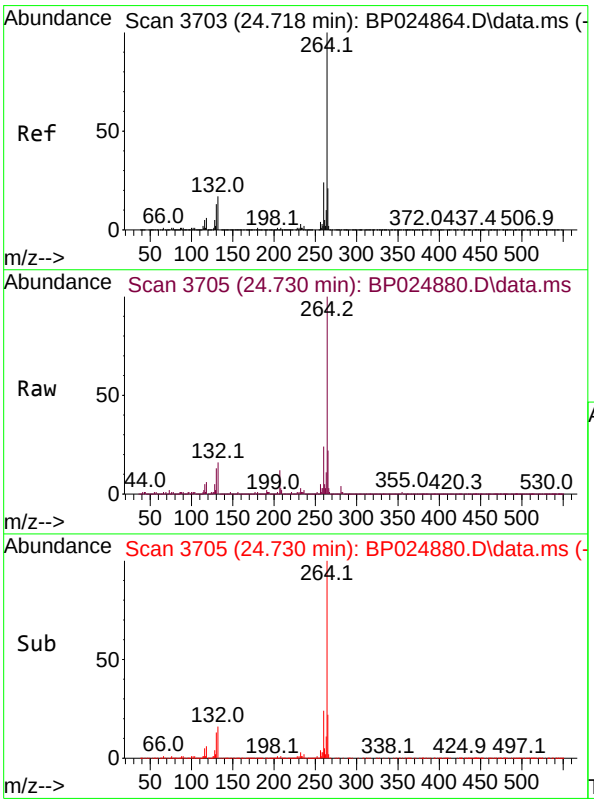
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.6	10.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

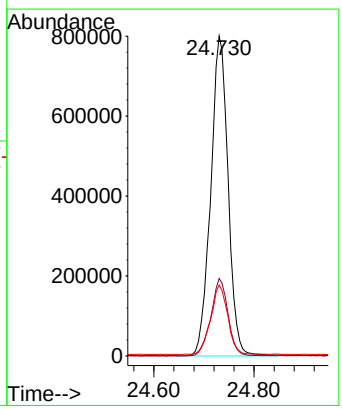


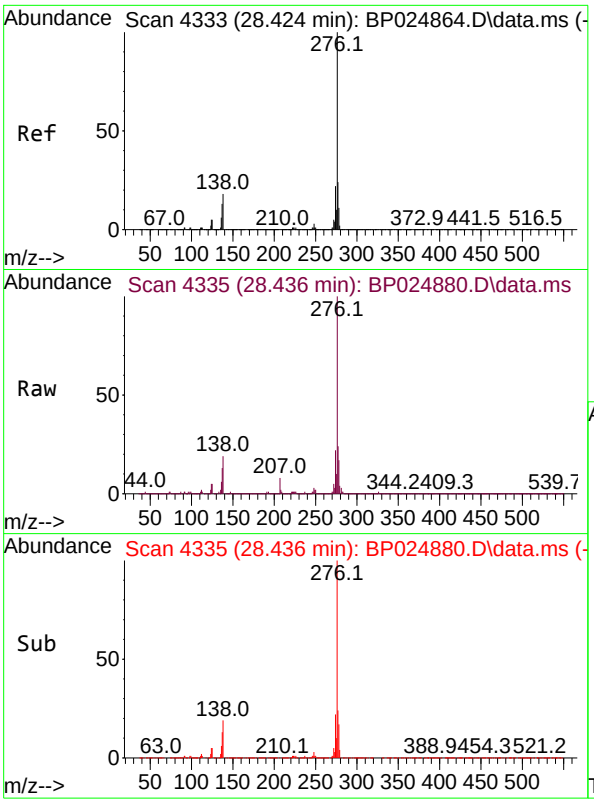


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:264 Resp: 1927042

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	22.1	17.4	26.0

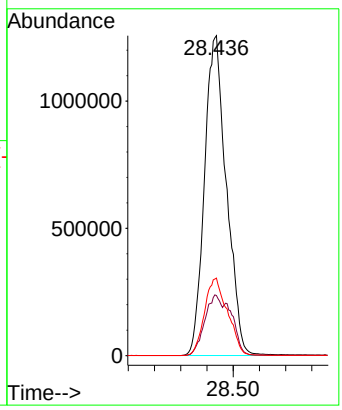




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.973 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:276 Resp: 730749

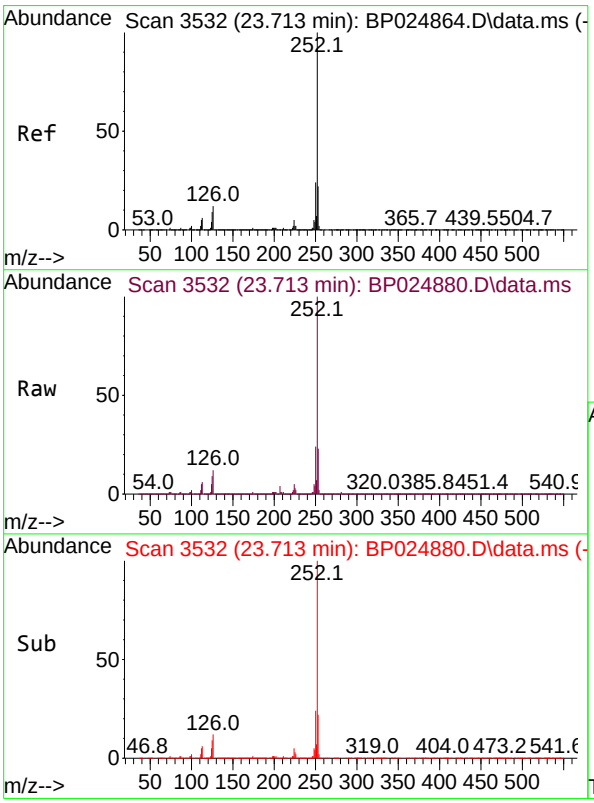
Ion	Ratio	Lower	Upper
276	100		
138	14.4	18.6	27.8
277	25.4	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

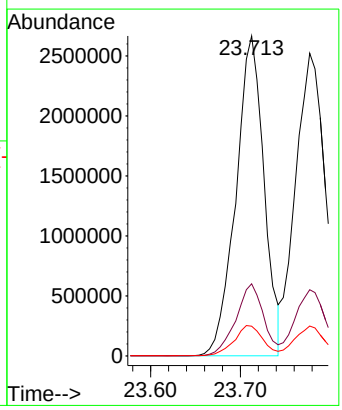
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

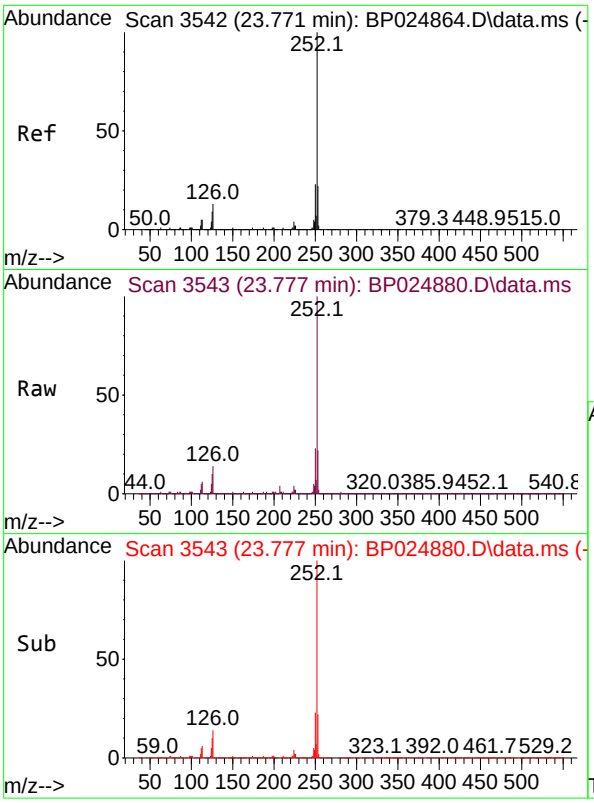


#88
Benzo(b)fluoranthene
Concen: 52.654 ng
RT: 23.713 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 5806971

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	9.3	7.1	10.7

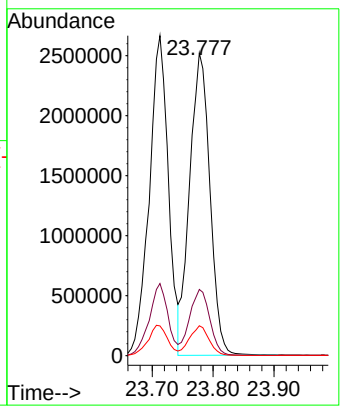




#89
Benzo(k)fluoranthene
Concen: 51.816 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 581692

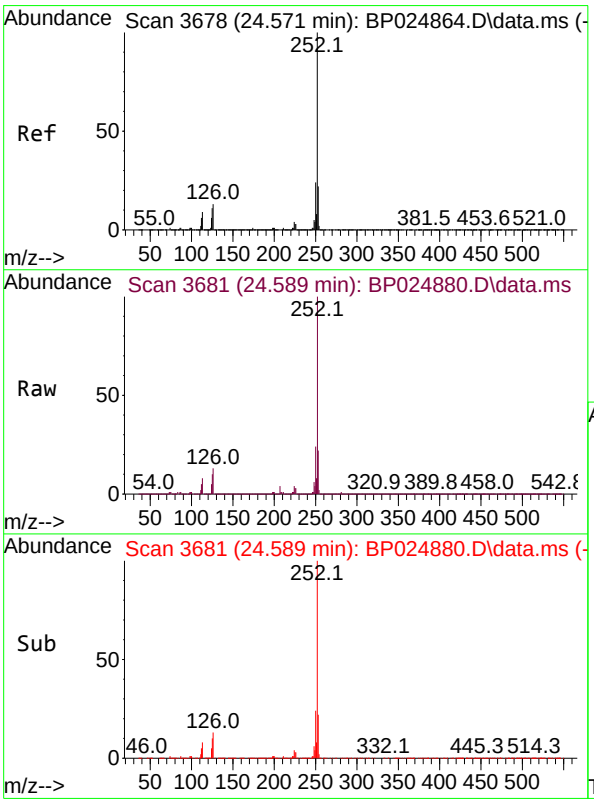
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.9	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

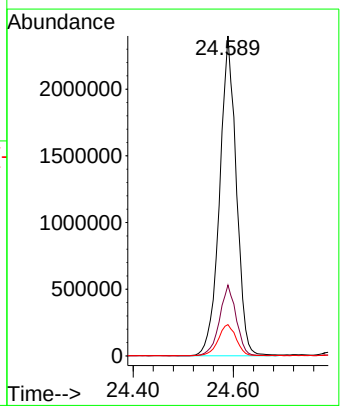
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

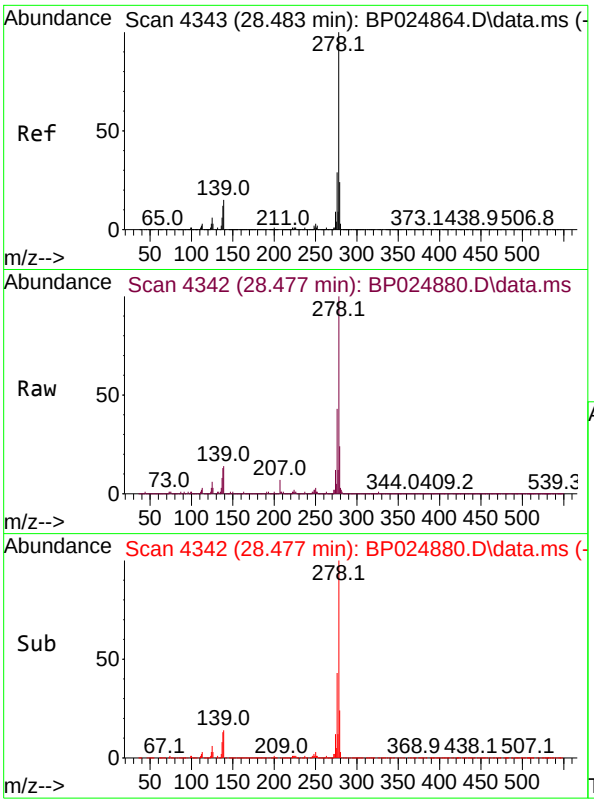


#90
Benzo(a)pyrene
Concen: 51.500 ng
RT: 24.589 min Scan# 3681
Delta R.T. 0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 5546665

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	8.8	13.2

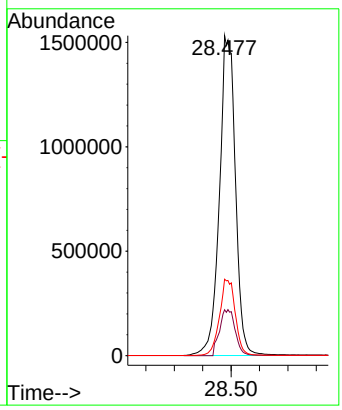




#91
Dibenzo(a,h)anthracene
Concen: 52.475 ng
RT: 28.477 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:278 Resp: 600549

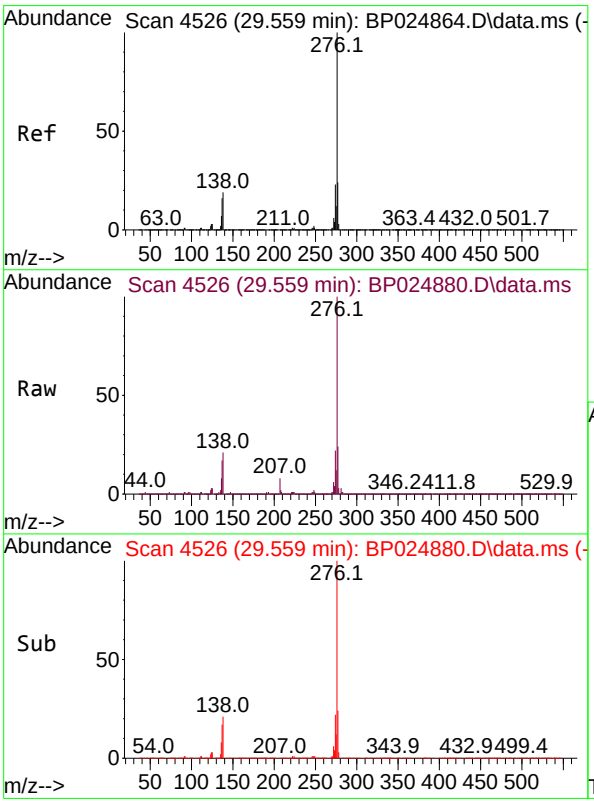
Ion	Ratio	Lower	Upper
278	100		
139	14.3	12.0	18.0
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

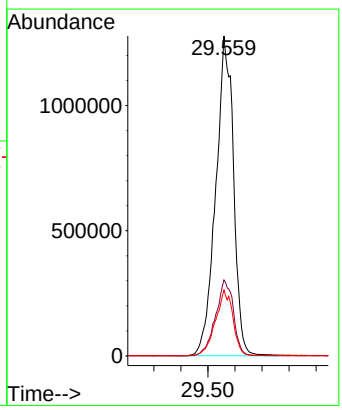
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 51.165 ng
RT: 29.559 min Scan# 4526
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:276 Resp: 5809887

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.6	15.4	23.2



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

Manual Integration Report

Sequence:	bf052025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF142469.D	Benzoic acid	Rahul	5/21/2025 2:07:30 PM	Jagrut	5/21/2025 4:43:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF060625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BM060525	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050195.D	2,3,4,6-Tetrachlorophenol	Rahul	6/6/2025 12:19:17 PM	Jagrut	6/6/2025 1:16:08 PM	Peak Integrated by Software
SSTDICC005	BM050195.D	Benzaldehyde	Rahul	6/6/2025 12:19:17 PM	Jagrut	6/6/2025 1:16:08 PM	Peak Integrated by Software
SSTDICC010	BM050196.D	2,3,4,6-Tetrachlorophenol	Rahul	6/5/2025 4:48:25 PM	Jagrut	6/6/2025 1:16:10 PM	Peak Integrated by Software
SSTDICC020	BM050197.D	Benzaldehyde	Rahul	6/6/2025 12:19:19 PM	Jagrut	6/6/2025 1:16:13 PM	Peak Integrated by Software
SSTDICCC040	BM050198.D	2,3,4,6-Tetrachlorophenol	Rahul	6/5/2025 4:48:28 PM	Jagrut	6/6/2025 1:16:15 PM	Peak Integrated by Software
SSTDICV040	BM050202.D	Benzaldehyde	Rahul	6/5/2025 4:48:30 PM	Jagrut	6/6/2025 1:16:18 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm060925	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM050236.D	2,3,4,6-Tetrachlorophenol	Rahul	6/10/2025 5:09:05 PM	Jagrut	6/10/2025 5:10:15 PM	Peak Integrated by Software
SSTDCCC040	BM050245.D	2,3,4,6-Tetrachlorophenol	Rahul	6/10/2025 5:09:14 PM	Jagrut	6/10/2025 5:10:26 PM	Peak Integrated by Software
SSTDCCC040	BM050262.D	2,3,4,6-Tetrachlorophenol	Rahul	6/10/2025 5:09:18 PM	Jagrut	6/10/2025 5:10:33 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BP060925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024871.D	Benzaldehyde	Rahul	6/10/2025 10:03:10 AM	Jagrut	6/10/2025 11:16:44 AM	Peak Integrated by Software
Q2230-03MS	BP024879.D	Benzidine	Rahul	6/10/2025 10:03:17 AM	Jagrut	6/10/2025 11:16:53 AM	Peak Integrated by Software
Q2230-03MS	BP024879.D	Hexachloroethane	Rahul	6/10/2025 10:03:17 AM	Jagrut	6/10/2025 11:16:53 AM	Peak Integrated by Software
Q2230-04MSD	BP024880.D	Benzidine	Rahul	6/10/2025 10:03:29 AM	Jagrut	6/10/2025 11:16:56 AM	Peak Integrated by Software
Q2230-04MSD	BP024880.D	Hexachloroethane	Rahul	6/10/2025 10:03:29 AM	Jagrut	6/10/2025 11:16:56 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM				
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM				
SubDirectory	BF052025	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142465.D	20 May 2025 11:13	RC/JU	Ok
2	SSTDCCC040	BF142466.D	20 May 2025 11:41	RC/JU	Not Ok
3	SSTDICC2.5	BF142467.D	20 May 2025 12:10	RC/JU	Ok
4	SSTDICC005	BF142468.D	20 May 2025 12:38	RC/JU	Ok
5	SSTDICC010	BF142469.D	20 May 2025 13:07	RC/JU	Ok,M
6	SSTDICC020	BF142470.D	20 May 2025 13:36	RC/JU	Ok
7	SSTDICCC040	BF142471.D	20 May 2025 14:05	RC/JU	Ok
8	SSTDICC050	BF142472.D	20 May 2025 14:34	RC/JU	Ok
9	SSTDICC060	BF142473.D	20 May 2025 15:03	RC/JU	Ok
10	SSTDICC080	BF142474.D	20 May 2025 15:31	RC/JU	Ok
11	SSTDICV040	BF142475.D	20 May 2025 16:31	RC/JU	Ok
12	PB168067TB	BF142476.D	20 May 2025 17:29	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142639.D	06 Jun 2025 11:01	RC/JU	Ok
2	SSTDCCC040	BF142640.D	06 Jun 2025 11:36	RC/JU	Ok
3	PB168259BL	BF142641.D	06 Jun 2025 12:06	RC/JU	Ok
4	Q2185-01	BF142642.D	06 Jun 2025 12:54	RC/JU	Ok
5	Q2207-37	BF142643.D	06 Jun 2025 13:24	RC/JU	Ok
6	Q2207-37MS	BF142644.D	06 Jun 2025 13:54	RC/JU	Ok
7	Q2207-37MSD	BF142645.D	06 Jun 2025 14:25	RC/JU	Ok
8	Q2219-01	BF142646.D	06 Jun 2025 14:58	RC/JU	Ok,M
9	Q2214-01	BF142647.D	06 Jun 2025 15:29	RC/JU	Ok
10	Q2208-19	BF142648.D	06 Jun 2025 16:00	RC/JU	Ok
11	Q2207-28	BF142649.D	06 Jun 2025 16:30	RC/JU	Ok
12	Q2176-07	BF142650.D	06 Jun 2025 17:01	RC/JU	Ok
13	Q2198-01	BF142651.D	06 Jun 2025 17:31	RC/JU	Ok
14	Q2177-04	BF142652.D	06 Jun 2025 18:01	RC/JU	Ok
15	Q2198-05	BF142653.D	06 Jun 2025 18:31	RC/JU	Ok
16	Q2207-10	BF142654.D	06 Jun 2025 19:02	RC/JU	Ok
17	Q2207-19	BF142655.D	06 Jun 2025 19:32	RC/JU	Ok
18	Q2208-10	BF142656.D	06 Jun 2025 20:02	RC/JU	Ok
19	Q2208-01	BF142657.D	06 Jun 2025 20:32	RC/JU	Ok
20	Q2177-08	BF142658.D	06 Jun 2025 21:02	RC/JU	Ok
21	Q2242-01	BF142659.D	06 Jun 2025 21:32	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 # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2202-03	BF142660.D	06 Jun 2025 22:01	RC/JU	Dilution
23	Q2176-01	BF142661.D	06 Jun 2025 22:31	RC/JU	Ok
24	Q2208-28	BF142662.D	06 Jun 2025 23:01	RC/JU	Ok
25	DFTPP	BF142663.D	07 Jun 2025 00:32	RC/JU	Ok
26	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	RC/JU	Ok
27	PB168300BL	BF142665.D	07 Jun 2025 02:08	RC/JU	Not Ok
28	PB168300BS	BF142666.D	07 Jun 2025 02:38	RC/JU	Not Ok
29	Q2226-01	BF142667.D	07 Jun 2025 03:08	RC/JU	ReRun
30	Q2207-01	BF142668.D	07 Jun 2025 03:38	RC/JU	ReRun
31	Q2198-03	BF142669.D	07 Jun 2025 04:08	RC/JU	ReRun
32	Q2176-03	BF142670.D	07 Jun 2025 04:38	RC/JU	ReRun
33	Q2176-05	BF142671.D	07 Jun 2025 05:07	RC/JU	ReRun
34	Q2125-07	BF142672.D	07 Jun 2025 05:36	RC/JU	ReRun
35	Q2176-02	BF142673.D	07 Jun 2025 06:05	RC/JU	ReRun
36	Q2227-01	BF142674.D	07 Jun 2025 06:35	RC/JU	ReRun
37	Q2228-01	BF142675.D	07 Jun 2025 07:03	RC/JU	ReRun
38	Q2241-01	BF142676.D	07 Jun 2025 07:32	RC/JU	ReRun
39	Q2241-05	BF142677.D	07 Jun 2025 08:02	RC/JU	ReRun
40	Q2244-01	BF142678.D	07 Jun 2025 08:31	RC/JU	ReRun
41	Q2244-01MS	BF142679.D	07 Jun 2025 09:00	RC/JU	Not Ok
42	Q2244-01MSD	BF142680.D	07 Jun 2025 09:29	RC/JU	Not Ok
43	Q2223-01	BF142681.D	07 Jun 2025 09:58	RC/JU	ReRun
44	Q2223-03	BF142682.D	07 Jun 2025 10:27	RC/JU	ReRun

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 # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM				
SubDirectory	BF060625	HP Acquire Method	BNA_F		HP Processing Method	bf052025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2224-01	BF142683.D	07 Jun 2025 10:57	RC/JU	ReRun
46	Q2225-01	BF142684.D	07 Jun 2025 11:26	RC/JU	ReRun
47	Q2206-01	BF142685.D	07 Jun 2025 11:54	RC/JU	ReRun
48	Q2195-01	BF142686.D	07 Jun 2025 12:23	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

Review By	Rahul	Review On	6/6/2025 12:27:19 PM				
Supervise By	Jagrut	Supervise On	6/6/2025 1:16:37 PM				
SubDirectory	BM060525	HP Acquire Method	BNA_M		HP Processing Method	bm060525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050193.D	05 Jun 2025 08:40	RC/JU	Ok
2	SSTDICC2.5	BM050194.D	05 Jun 2025 09:20	RC/JU	Ok
3	SSTDICC005	BM050195.D	05 Jun 2025 09:59	RC/JU	Ok,M
4	SSTDICC010	BM050196.D	05 Jun 2025 10:38	RC/JU	Ok,M
5	SSTDICC020	BM050197.D	05 Jun 2025 11:17	RC/JU	Ok,M
6	SSTDICCC040	BM050198.D	05 Jun 2025 11:57	RC/JU	Ok,M
7	SSTDICC050	BM050199.D	05 Jun 2025 12:36	RC/JU	Ok
8	SSTDICC060	BM050200.D	05 Jun 2025 13:16	RC/JU	Ok
9	SSTDICC080	BM050201.D	05 Jun 2025 13:56	RC/JU	Ok
10	SSTDICV040	BM050202.D	05 Jun 2025 14:36	RC/JU	Ok,M
11	PB168224TB	BM050203.D	05 Jun 2025 16:35	RC/JU	Ok
12	SP6794	BM050204.D	05 Jun 2025 17:15	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060925

Review By	Rahul	Review On	6/10/2025 5:10:05 PM				
Supervise By	Jagrut	Supervise On	6/10/2025 5:10:49 PM				
SubDirectory	BM060925	HP Acquire Method	BNA_M		HP Processing Method	BM060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050235.D	09 Jun 2025 10:07	RC/JU	Ok
2	SSTDCCC040	BM050236.D	09 Jun 2025 10:47	RC/JU	Ok,M
3	PB168340BL	BM050237.D	09 Jun 2025 11:26	RC/JU	Ok
4	PB168340BS	BM050238.D	09 Jun 2025 12:05	RC/JU	Ok,M
5	PB168340TB	BM050239.D	09 Jun 2025 12:44	RC/JU	Ok
6	Q2125-08	BM050240.D	09 Jun 2025 13:29	RC/JU	Ok
7	Q2125-08MS	BM050241.D	09 Jun 2025 14:08	RC/JU	Ok,M
8	Q2125-08MSD	BM050242.D	09 Jun 2025 14:47	RC/JU	Ok,M
9	Q2226-04	BM050243.D	09 Jun 2025 15:39	RC/JU	Ok
10	DFTPP	BM050244.D	09 Jun 2025 16:24	RC/JU	Ok
11	SSTDCCC040	BM050245.D	09 Jun 2025 17:03	RC/JU	Ok,M
12	PB168311TB	BM050246.D	09 Jun 2025 17:43	RC/JU	Ok
13	Q2227-04	BM050247.D	09 Jun 2025 18:22	RC/JU	Ok
14	Q2236-07	BM050248.D	09 Jun 2025 19:01	RC/JU	Ok
15	Q2228-04	BM050249.D	09 Jun 2025 19:40	RC/JU	Ok
16	Q2226-04MS	BM050250.D	09 Jun 2025 20:19	RC/JU	Ok,M
17	Q2226-04MSD	BM050251.D	09 Jun 2025 20:58	RC/JU	Ok
18	Q2235-03	BM050252.D	09 Jun 2025 21:38	RC/JU	Ok
19	Q2236-03	BM050253.D	09 Jun 2025 22:17	RC/JU	Ok
20	Q2236-11	BM050254.D	09 Jun 2025 22:56	RC/JU	Ok
21	Q2236-15	BM050255.D	09 Jun 2025 23:35	RC/JU	Ok

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060925

Review By	Rahul	Review On	6/10/2025 5:10:05 PM		
Supervise By	Jagrut	Supervise On	6/10/2025 5:10:49 PM		
SubDirectory	BM060925	HP Acquire Method	BNA_M	HP Processing Method	BM060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2236-19	BM050256.D	10 Jun 2025 00:15	RC/JU	Ok,M
23	Q2241-04	BM050257.D	10 Jun 2025 00:54	RC/JU	Ok
24	Q2241-08	BM050258.D	10 Jun 2025 01:33	RC/JU	Ok
25	Q2260-04	BM050259.D	10 Jun 2025 02:12	RC/JU	Ok
26	Q2265-04	BM050260.D	10 Jun 2025 02:51	RC/JU	Ok
27	DFTPP	BM050261.D	10 Jun 2025 04:09	RC/JU	Ok
28	SSTDCCC040	BM050262.D	10 Jun 2025 04:48	RC/JU	Ok,M
29	PB168352BL	BM050263.D	10 Jun 2025 05:28	RC/JU	Ok
30	PB168352BS	BM050264.D	10 Jun 2025 06:07	RC/JU	Ok,M
31	PB168333TB	BM050265.D	10 Jun 2025 06:46	RC/JU	Ok
32	Q2242-04	BM050266.D	10 Jun 2025 07:25	RC/JU	Ok
33	Q2244-04	BM050267.D	10 Jun 2025 08:04	RC/JU	Ok
34	Q2266-04	BM050268.D	10 Jun 2025 08:43	RC/JU	Ok
35	Q2266-08	BM050269.D	10 Jun 2025 09:22	RC/JU	ReRun
36	Q2240-04	BM050270.D	10 Jun 2025 10:01	RC/JU	Ok
37	Q2240-08	BM050271.D	10 Jun 2025 10:41	RC/JU	Ok
38	Q2240-12	BM050272.D	10 Jun 2025 11:20	RC/JU	Ok
39	Q2231-02DL	BM050273.D	10 Jun 2025 11:59	RC/JU	Dilution
40	Q2202-03DL	BM050274.D	10 Jun 2025 12:38	RC/JU	Ok
41	Q2231-02DL2	BM050275.D	10 Jun 2025 13:28	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM				
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM				
SubDirectory	BP060625	HP Acquire Method	BNA_P		HP Processing Method	BP060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060925

Review By	Rahul	Review On	6/10/2025 10:05:06 AM				
Supervise By	Jagrut	Supervise On	6/10/2025 11:17:20 AM				
SubDirectory	BP060925	HP Acquire Method	BNA_P		HP Processing Method	BP060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024870.D	09 Jun 2025 10:03	RC/JU	Ok
2	SSTDCCC040	BP024871.D	09 Jun 2025 10:44	RC/JU	Ok,M
3	PB168323BL	BP024872.D	09 Jun 2025 11:24	RC/JU	Ok
4	PB168323BS	BP024873.D	09 Jun 2025 12:05	RC/JU	Ok
5	Q2210-01	BP024874.D	09 Jun 2025 12:50	RC/JU	Ok
6	Q2209-01	BP024875.D	09 Jun 2025 13:31	RC/JU	Ok
7	Q2230-01	BP024876.D	09 Jun 2025 14:12	RC/JU	Ok
8	Q2230-02	BP024877.D	09 Jun 2025 14:52	RC/JU	Ok,M
9	Q2218-01	BP024878.D	09 Jun 2025 15:33	RC/JU	Ok,M
10	Q2230-03MS	BP024879.D	09 Jun 2025 16:14	RC/JU	Ok,M
11	Q2230-04MSD	BP024880.D	09 Jun 2025 16:55	RC/JU	Ok,M
12	Q2230-05	BP024881.D	09 Jun 2025 17:35	RC/JU	Ok
13	Q2231-02	BP024882.D	09 Jun 2025 18:16	RC/JU	Dilution
14	Q2237-02	BP024883.D	09 Jun 2025 18:57	RC/JU	Ok
15	Q2248-01	BP024884.D	09 Jun 2025 19:38	RC/JU	Ok,M
16	Q2240-01	BP024885.D	09 Jun 2025 20:18	RC/JU	Ok,M
17	Q2260-01	BP024886.D	09 Jun 2025 20:59	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF052025

Review By	Rahul	Review On	5/21/2025 2:52:20 PM		
Supervise By	Jagrut	Supervise On	5/21/2025 4:44:06 PM		
SubDirectory	BF052025	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142465.D	20 May 2025 11:13		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142466.D	20 May 2025 11:41	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142467.D	20 May 2025 12:10		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142468.D	20 May 2025 12:38	Compound #32,54,85 removed from 5ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142469.D	20 May 2025 13:07		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF142470.D	20 May 2025 13:36		RC/JU	Ok
7	SSTDICCC040	SSTDICCC040	BF142471.D	20 May 2025 14:05	This calibration is good for both the methods, 8270E DOD and 625.1.	RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142472.D	20 May 2025 14:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142473.D	20 May 2025 15:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142474.D	20 May 2025 15:31		RC/JU	Ok
11	SSTDICV040	ICVBF052025	BF142475.D	20 May 2025 16:31		RC/JU	Ok
12	PB168067TB	PB168067TB	BF142476.D	20 May 2025 17:29		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142639.D	06 Jun 2025 11:01		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142640.D	06 Jun 2025 11:36		RC/JU	Ok
3	PB168259BL	PB168259BL	BF142641.D	06 Jun 2025 12:06		RC/JU	Ok
4	Q2185-01	TP02-MHB-WC	BF142642.D	06 Jun 2025 12:54		RC/JU	Ok
5	Q2207-37	BU-703-COMP-05	BF142643.D	06 Jun 2025 13:24		RC/JU	Ok
6	Q2207-37MS	BU-703-COMP-05MS	BF142644.D	06 Jun 2025 13:54		RC/JU	Ok
7	Q2207-37MSD	BU-703-COMP-05MSD	BF142645.D	06 Jun 2025 14:25		RC/JU	Ok
8	Q2219-01	72-11995	BF142646.D	06 Jun 2025 14:58		RC/JU	Ok,M
9	Q2214-01	RBR251425	BF142647.D	06 Jun 2025 15:29		RC/JU	Ok
10	Q2208-19	BU-703-COMP-08	BF142648.D	06 Jun 2025 16:00		RC/JU	Ok
11	Q2207-28	BU-703-COMP-04	BF142649.D	06 Jun 2025 16:30		RC/JU	Ok
12	Q2176-07	TP-31	BF142650.D	06 Jun 2025 17:01		RC/JU	Ok
13	Q2198-01	B-202-SB02	BF142651.D	06 Jun 2025 17:31		RC/JU	Ok
14	Q2177-04	B-187-SB02	BF142652.D	06 Jun 2025 18:01		RC/JU	Ok
15	Q2198-05	B-202-GW01	BF142653.D	06 Jun 2025 18:31		RC/JU	Ok
16	Q2207-10	BU-703-COMP-02	BF142654.D	06 Jun 2025 19:02		RC/JU	Ok
17	Q2207-19	BU-703-COMP-03	BF142655.D	06 Jun 2025 19:32		RC/JU	Ok
18	Q2208-10	BU-703-COMP-07	BF142656.D	06 Jun 2025 20:02		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 # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2208-01	BU-703-COMP-06	BF142657.D	06 Jun 2025 20:32		RC/JU	Ok
20	Q2177-08	EB05312025	BF142658.D	06 Jun 2025 21:02		RC/JU	Ok
21	Q2242-01	TP09-MHJ	BF142659.D	06 Jun 2025 21:32		RC/JU	Ok
22	Q2202-03	MW-12-20250603	BF142660.D	06 Jun 2025 22:01	Need 10X Dilution	RC/JU	Dilution
23	Q2176-01	TP-46	BF142661.D	06 Jun 2025 22:31		RC/JU	Ok
24	Q2208-28	BU-703-COMP-09	BF142662.D	06 Jun 2025 23:01		RC/JU	Ok
25	DFTPP	DFTPP	BF142663.D	07 Jun 2025 00:32		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040	BF142664.D	07 Jun 2025 01:38	CCC fail high for compounds #41,54,56,70,84 and failed low for compounds # 78,79,87,91,92.	RC/JU	Ok
27	PB168300BL	PB168300BL	BF142665.D	07 Jun 2025 02:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
28	PB168300BS	PB168300BS	BF142666.D	07 Jun 2025 02:38	CCC fail low for compound # 78,79,87,91,92. Also #92 Recovery fail low side.	RC/JU	Not Ok
29	Q2226-01	TP06-MHI-WC	BF142667.D	07 Jun 2025 03:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
30	Q2207-01	BU-703-COMP-01	BF142668.D	07 Jun 2025 03:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
31	Q2198-03	B-207-SB02	BF142669.D	07 Jun 2025 04:08	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
32	Q2176-03	TP-25	BF142670.D	07 Jun 2025 04:38	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
33	Q2176-05	TP-28	BF142671.D	07 Jun 2025 05:07	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
34	Q2125-07	GSB3	BF142672.D	07 Jun 2025 05:36	CCC fail low for compound #79	RC/JU	ReRun

Alliance TECHNICAL GROUP
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 # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

35	Q2176-02	TP-56	BF142673.D	07 Jun 2025 06:05	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
36	Q2227-01	TP07-MHH-WC	BF142674.D	07 Jun 2025 06:35	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
37	Q2228-01	TP08-MHI-WC	BF142675.D	07 Jun 2025 07:03	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
38	Q2241-01	TP-N	BF142676.D	07 Jun 2025 07:32	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
39	Q2241-05	TP-S	BF142677.D	07 Jun 2025 08:02	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
40	Q2244-01	TP03-MHC	BF142678.D	07 Jun 2025 08:31	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
41	Q2244-01MS	TP03-MHCMS	BF142679.D	07 Jun 2025 09:00	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
42	Q2244-01MSD	TP03-MHCMSD	BF142680.D	07 Jun 2025 09:29	CCC fail low for compound # 78,79,87,91,92.	RC/JU	Not Ok
43	Q2223-01	HR-01-06042025	BF142681.D	07 Jun 2025 09:58	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
44	Q2223-03	HR-04-06042025	BF142682.D	07 Jun 2025 10:27	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
45	Q2224-01	EO-01-06042025	BF142683.D	07 Jun 2025 10:57	CCC fail low for compound # 78,79,87,91,92.	RC/JU	ReRun
46	Q2225-01	SU-03-06042025	BF142684.D	07 Jun 2025 11:26	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun
47	Q2206-01	TP-1	BF142685.D	07 Jun 2025 11:54	CCC fail low for compound # 78,79,87,91,92. Need Straight Run	RC/JU	ReRun
48	Q2195-01	OK-01-060325	BF142686.D	07 Jun 2025 12:23	CCC fail low for compound # 78,79,87,91,92. Internal Standard Fail	RC/JU	ReRun

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 # BF060625

Review By	Rahul	Review On	6/9/2025 11:32:18 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:07:45 PM		
SubDirectory	BF060625	HP Acquire Method	BNA_F	HP Processing Method	bf052025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

Review By	Rahul	Review On	6/6/2025 12:27:19 PM		
Supervise By	Jagrut	Supervise On	6/6/2025 1:16:37 PM		
SubDirectory	BM060525	HP Acquire Method	BNA_M	HP Processing Method	bm060525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050193.D	05 Jun 2025 08:40		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050194.D	05 Jun 2025 09:20		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050195.D	05 Jun 2025 09:59	Compound #32,54,65,77 removed from 5PPM	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050196.D	05 Jun 2025 10:38	Compound #54 kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050197.D	05 Jun 2025 11:17		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050198.D	05 Jun 2025 11:57	The compound # 85 failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM050199.D	05 Jun 2025 12:36		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050200.D	05 Jun 2025 13:16		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050201.D	05 Jun 2025 13:56	Compound #9 removed from 80PPM	RC/JU	Ok
10	SSTDICV040	ICVBM060525	BM050202.D	05 Jun 2025 14:36		RC/JU	Ok,M
11	PB168224TB	PB168224TB	BM050203.D	05 Jun 2025 16:35		RC/JU	Ok
12	SP6794	SP6794	BM050204.D	05 Jun 2025 17:15		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060925

Review By	Rahul	Review On	6/10/2025 5:10:05 PM		
Supervise By	Jagrut	Supervise On	6/10/2025 5:10:49 PM		
SubDirectory	BM060925	HP Acquire Method	BNA_M	HP Processing Method	BM060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050235.D	09 Jun 2025 10:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050236.D	09 Jun 2025 10:47		RC/JU	Ok,M
3	PB168340BL	PB168340BL	BM050237.D	09 Jun 2025 11:26		RC/JU	Ok
4	PB168340BS	PB168340BS	BM050238.D	09 Jun 2025 12:05		RC/JU	Ok,M
5	PB168340TB	PB168340TB	BM050239.D	09 Jun 2025 12:44		RC/JU	Ok
6	Q2125-08	GSB3	BM050240.D	09 Jun 2025 13:29		RC/JU	Ok
7	Q2125-08MS	GSB3MS	BM050241.D	09 Jun 2025 14:08		RC/JU	Ok,M
8	Q2125-08MSD	GSB3MSD	BM050242.D	09 Jun 2025 14:47		RC/JU	Ok,M
9	Q2226-04	TP06-MHI-WC	BM050243.D	09 Jun 2025 15:39		RC/JU	Ok
10	DFTPP	DFTPP	BM050244.D	09 Jun 2025 16:24		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BM050245.D	09 Jun 2025 17:03		RC/JU	Ok,M
12	PB168311TB	PB168311TB	BM050246.D	09 Jun 2025 17:43		RC/JU	Ok
13	Q2227-04	TP07-MHH-WC	BM050247.D	09 Jun 2025 18:22		RC/JU	Ok
14	Q2236-07	WC-A2-04-C	BM050248.D	09 Jun 2025 19:01		RC/JU	Ok
15	Q2228-04	TP08-MHI-WC	BM050249.D	09 Jun 2025 19:40		RC/JU	Ok
16	Q2226-04MS	TP06-MHI-WCMS	BM050250.D	09 Jun 2025 20:19		RC/JU	Ok,M
17	Q2226-04MSD	TP06-MHI-WCMSD	BM050251.D	09 Jun 2025 20:58		RC/JU	Ok
18	Q2235-03	WC-A2-08-C	BM050252.D	09 Jun 2025 21:38		RC/JU	Ok

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060925

Review By	Rahul	Review On	6/10/2025 5:10:05 PM		
Supervise By	Jagrut	Supervise On	6/10/2025 5:10:49 PM		
SubDirectory	BM060925	HP Acquire Method	BNA_M	HP Processing Method	BM060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2236-03	WC-A4-05A-C	BM050253.D	09 Jun 2025 22:17		RC/JU	Ok
20	Q2236-11	WC-A2-05-C	BM050254.D	09 Jun 2025 22:56		RC/JU	Ok
21	Q2236-15	WC-A2-06-C	BM050255.D	09 Jun 2025 23:35		RC/JU	Ok
22	Q2236-19	WC-A2-07-C	BM050256.D	10 Jun 2025 00:15		RC/JU	Ok,M
23	Q2241-04	TP-N	BM050257.D	10 Jun 2025 00:54		RC/JU	Ok
24	Q2241-08	TP-S	BM050258.D	10 Jun 2025 01:33		RC/JU	Ok
25	Q2260-04	TP10-MHG-WC	BM050259.D	10 Jun 2025 02:12		RC/JU	Ok
26	Q2265-04	TP11-MHL-WC	BM050260.D	10 Jun 2025 02:51		RC/JU	Ok
27	DFTPP	DFTPP	BM050261.D	10 Jun 2025 04:09		RC/JU	Ok
28	SSTDCCC040	SSTDCCC040	BM050262.D	10 Jun 2025 04:48		RC/JU	Ok,M
29	PB168352BL	PB168352BL	BM050263.D	10 Jun 2025 05:28		RC/JU	Ok
30	PB168352BS	PB168352BS	BM050264.D	10 Jun 2025 06:07		RC/JU	Ok,M
31	PB168333TB	PB168333TB	BM050265.D	10 Jun 2025 06:46		RC/JU	Ok
32	Q2242-04	TP09-MHJ	BM050266.D	10 Jun 2025 07:25		RC/JU	Ok
33	Q2244-04	TP03-MHC	BM050267.D	10 Jun 2025 08:04		RC/JU	Ok
34	Q2266-04	WC-3	BM050268.D	10 Jun 2025 08:43		RC/JU	Ok
35	Q2266-08	WC-5	BM050269.D	10 Jun 2025 09:22	Internal Standard Failed & Surrogates failed for low IS recoveries.	RC/JU	ReRun
36	Q2240-04	TP-3	BM050270.D	10 Jun 2025 10:01		RC/JU	Ok

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM060925

Review By	Rahul	Review On	6/10/2025 5:10:05 PM		
Supervise By	Jagrut	Supervise On	6/10/2025 5:10:49 PM		
SubDirectory	BM060925	HP Acquire Method	BNA_M	HP Processing Method	BM060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	Q2240-08	TP-2	BM050271.D	10 Jun 2025 10:41		RC/JU	Ok
38	Q2240-12	TP-1	BM050272.D	10 Jun 2025 11:20		RC/JU	Ok
39	Q2231-02DL	MW-14-20250604DL	BM050273.D	10 Jun 2025 11:59	Need further 5X dilution	RC/JU	Dilution
40	Q2202-03DL	MW-12-20250603DL	BM050274.D	10 Jun 2025 12:38		RC/JU	Ok
41	Q2231-02DL2	MW-14-20250604DL2	BM050275.D	10 Jun 2025 13:28		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060925

Review By	Rahul	Review On	6/10/2025 10:05:06 AM		
Supervise By	Jagrut	Supervise On	6/10/2025 11:17:20 AM		
SubDirectory	BP060925	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024870.D	09 Jun 2025 10:03		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024871.D	09 Jun 2025 10:44		RC/JU	Ok,M
3	PB168323BL	PB168323BL	BP024872.D	09 Jun 2025 11:24		RC/JU	Ok
4	PB168323BS	PB168323BS	BP024873.D	09 Jun 2025 12:05		RC/JU	Ok
5	Q2210-01	TW1	BP024874.D	09 Jun 2025 12:50		RC/JU	Ok
6	Q2209-01	P01W	BP024875.D	09 Jun 2025 13:31		RC/JU	Ok
7	Q2230-01	FB-060425	BP024876.D	09 Jun 2025 14:12		RC/JU	Ok
8	Q2230-02	GW-MW01-060425	BP024877.D	09 Jun 2025 14:52		RC/JU	Ok,M
9	Q2218-01	72-11934	BP024878.D	09 Jun 2025 15:33		RC/JU	Ok,M
10	Q2230-03MS	GW-MW01-060425MS	BP024879.D	09 Jun 2025 16:14		RC/JU	Ok,M
11	Q2230-04MSD	GW-MW01-060425MSI	BP024880.D	09 Jun 2025 16:55		RC/JU	Ok,M
12	Q2230-05	GW-MW901-060425	BP024881.D	09 Jun 2025 17:35		RC/JU	Ok
13	Q2231-02	MW-14-20250604	BP024882.D	09 Jun 2025 18:16	Analyze first with 10X Dilution and then decide further Dilution	RC/JU	Dilution
14	Q2237-02	TW-WTS-10	BP024883.D	09 Jun 2025 18:57		RC/JU	Ok
15	Q2248-01	TR-05-060525	BP024884.D	09 Jun 2025 19:38		RC/JU	Ok,M
16	Q2240-01	TP-3	BP024885.D	09 Jun 2025 20:18		RC/JU	Ok,M
17	Q2260-01	TP10-MHG-WC	BP024886.D	09 Jun 2025 20:59		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168323

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 06/06/2025

Extraction Start Time : 08:35

Extraction End Date : 06/06/2025

Extraction End Time : 13:50

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (Ext labs)	RC / SVOC
13:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168323

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 06/06/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168323BL	SBLK323	SVOCMS Group1	1000	6	ritesh	Evelyn	1			SEP-1
PB168323BS	SLCS323	SVOCMS Group1	1000	6	ritesh	Evelyn	1			2
Q2202-03	MW-12-20250603	SVOCMS Group1	980	6	ritesh	Evelyn	1	C		3
Q2209-01	P01W	SVOCMS Group2	990	6	ritesh	Evelyn	1	D		4
Q2210-01	TW1	SVOCMS Group1	1000	6	ritesh	Evelyn	1	D		5
Q2230-01	FB-060425	SVOCMS Group3	880	6	ritesh	Evelyn	1	C		6
Q2230-02	GW-MW01-060425	SVOCMS Group3	910	6	ritesh	Evelyn	1	C		7
Q2230-03	Q2230-02MS	SVOCMS Group3	960	6	ritesh	Evelyn	1	C		8
Q2230-04	Q2230-02MSD	SVOCMS Group3	940	6	ritesh	Evelyn	1	C		9
Q2230-05	GW-MW901-060425	SVOCMS Group3	980	6	ritesh	Evelyn	1	C		10
Q2231-02	MW-14-20250604	SVOCMS Group1	1000	6	ritesh	Evelyn	1	C		11
Q2237-02	TW-WTS-10	SVOCMS Group4	980	12	ritesh	Evelyn	1	F		12

RS
6/6

* **Extracts relinguished on the same date as received.**

168323
8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2202 **WorkList ID :** 189994 **Department :** Extraction **Date :** 06-06-2025 08:27:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2202-03	MW-12-20250603	Water	SVOCMS Group1	Cool 4 deg C	PARS02	N31	06/03/2025	8270E
Q2209-01	P01W	Water	SVOCMS Group2	Cool 4 deg C	GENV01	N31	06/04/2025	8270E
Q2210-01	TW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	L31	06/03/2025	8270E
Q2230-01	FB-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-02	GW-MW01-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-03	Q2230-02MS	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-04	Q2230-02MSD	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-05	GW-MW901-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2231-02	MW-14-20250604	Water	SVOCMS Group1	Cool 4 deg C	PARS02	N41	06/04/2025	8270E
Q2237-02	TW-WTS-10	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	N31	06/04/2025	8270E

Date/Time 6/6/25 8:30
Raw Sample Received by: RJ (EA Lab)
Raw Sample Relinquished by:

Date/Time 6/6/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EA Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2202

Test : SVOCMS Group1

Prepbatch ID : PB168323,

Sequence ID/Qc Batch ID: BF060625,bf060925,BF061125,bm060925,BP060925,BP060925,BP060925,BP060925,

Standard ID :
EP2609,EP2610,EP2620,SP6754,SP6757,SP6769,SP6770,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,SP6794,SP6795,SP6796,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3926,E3930,E3937,E3939,M6157,S10104,S10584,S11073,S11162,S11487,S11496,S11650,S11788,S11800,S11806,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12487,S12497,S12498,S12534,S12543,S12544,S12577,S12658,S12662,S12667,S12668,S12793,S12974,S12984,S12985,S12986,S13078,S13148,S13158,W3112,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = Final Quantity: 10.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6794	06/04/2025	06/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 06/05/2025

FROM 0.10000ml of S10584 + 0.10000ml of S11487 + 0.10000ml of S11650 + 0.10000ml of S13148 + 0.10000ml of S13158 + 0.45000ml of S11806 + 0.80000ml of S11800 + 1.20000ml of S12487 + 1.20000ml of S12544 + 1.20000ml of S12985 + 1.30000ml of S12497 + 1.30000ml of S12543 + 1.30000ml of S12984 + 40.75000ml of E3937 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6795	06/05/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/10/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11073 + 0.20000ml of S12498 + 0.20000ml of S12544 + 0.20000ml of S12986 + 1.18000ml of E3939 = Final Quantity: 2.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6796	06/05/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/10/2025

FROM 0.01000ml of S12667 + 0.60000ml of E3939 + 0.40000ml of SP6795 = Final Quantity: 1.010 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11800

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12497

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12543

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12544

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/28/2025	05/28/2025 / Rahul	09/20/2024 / anahy	S12667

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	12/06/2025	06/06/2025 / Rahul	09/20/2024 / anahy	S12668

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12985

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12986

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

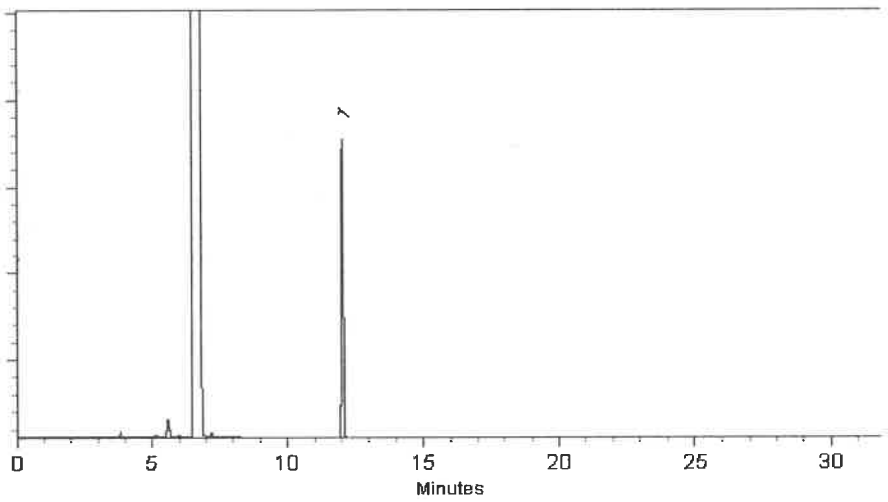
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3939

J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

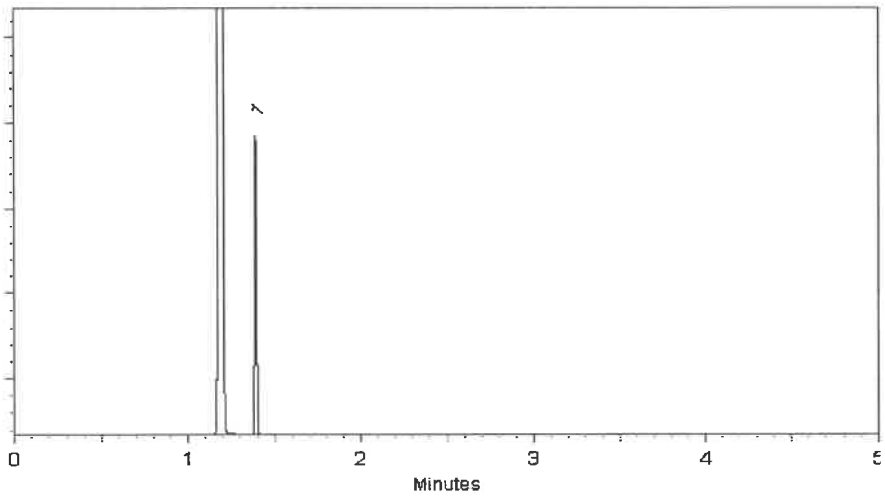
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

S11795 ↓ S11808 RC 11/30/23

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

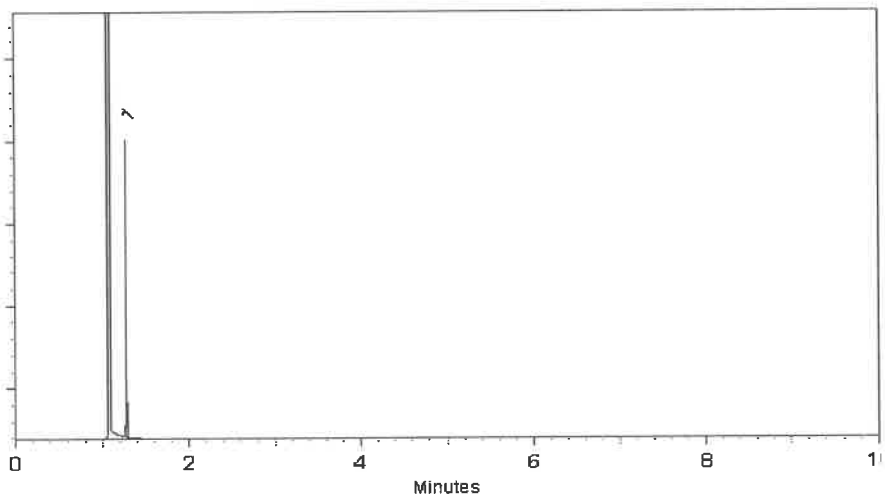
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

S11795 ↓ S11808 RC 11/30/23

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

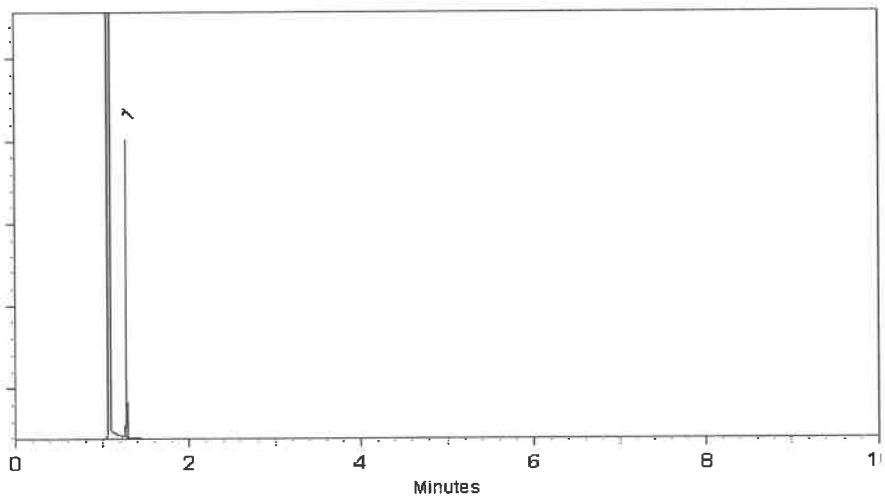
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

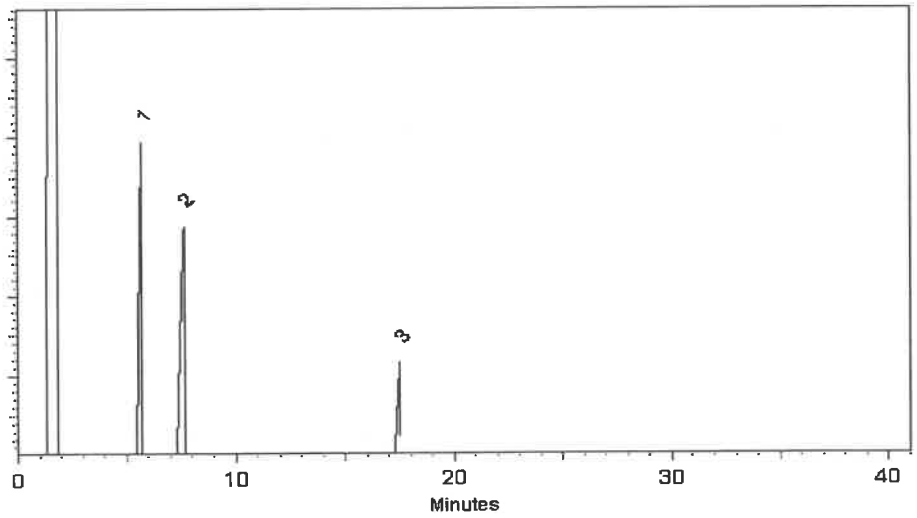
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

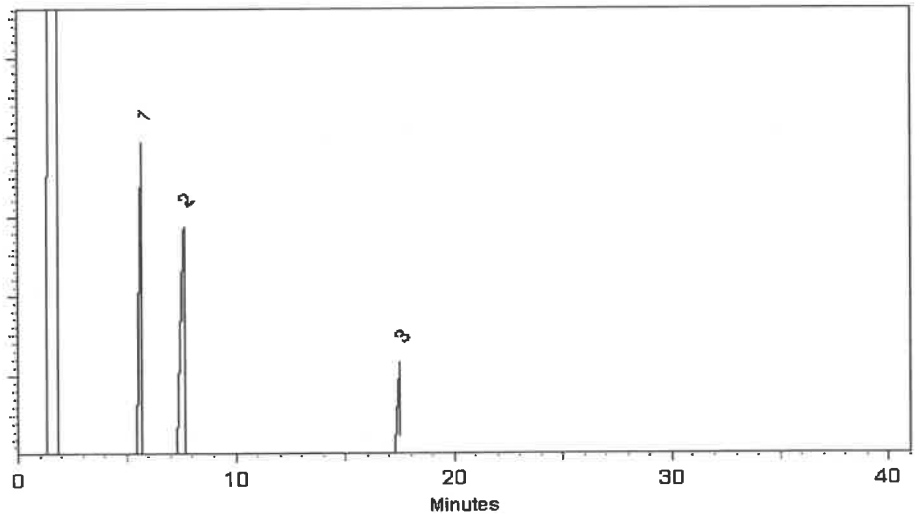
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

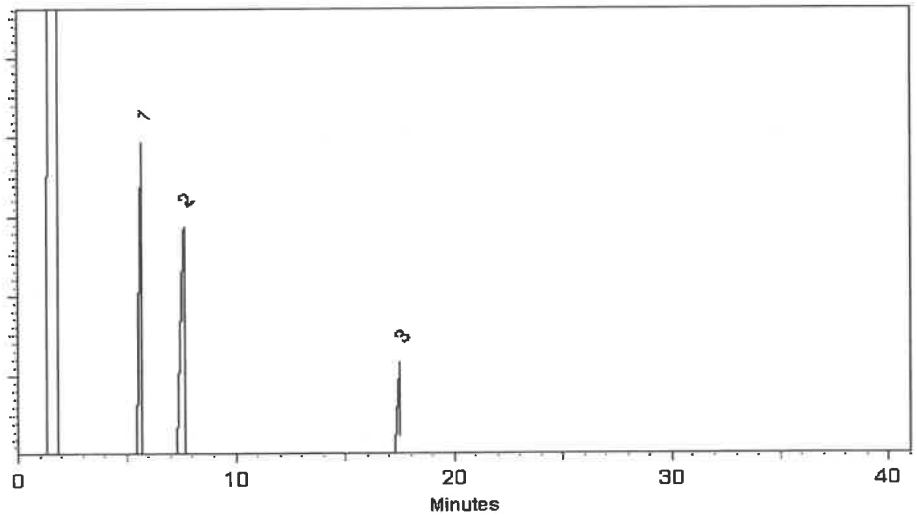
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

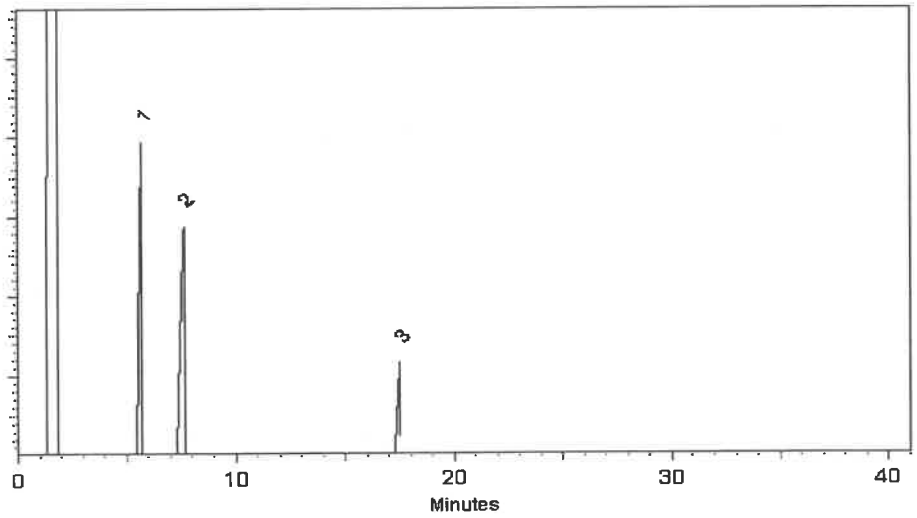
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

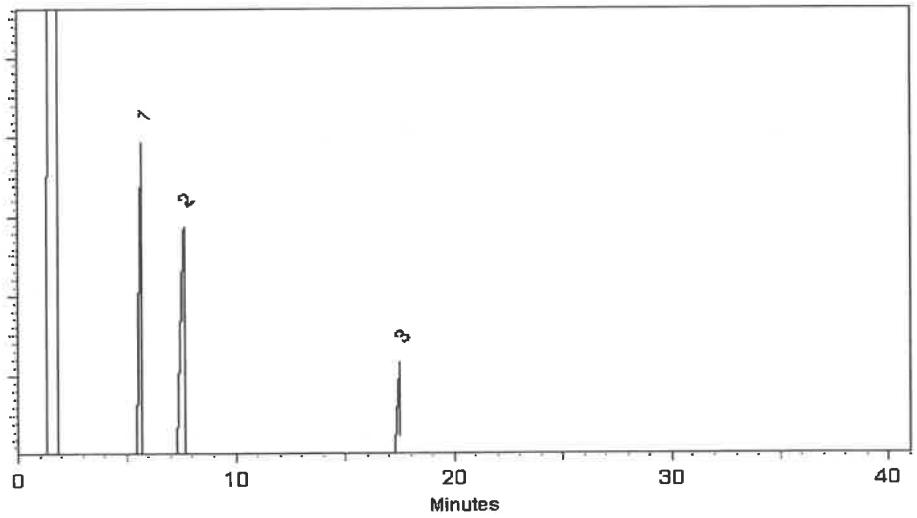
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

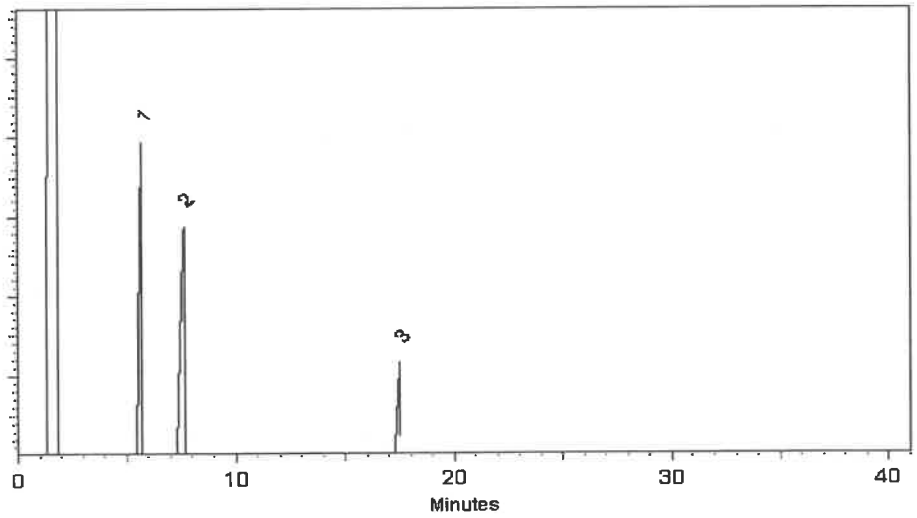
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

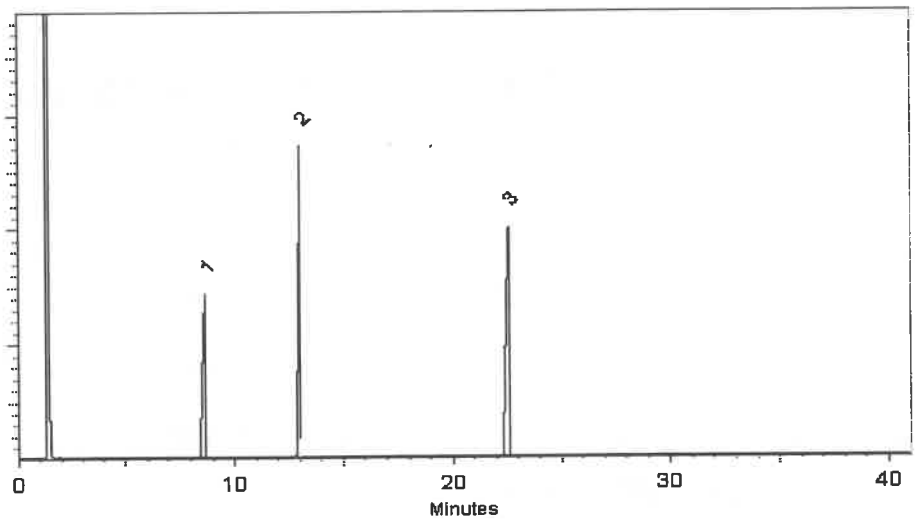
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

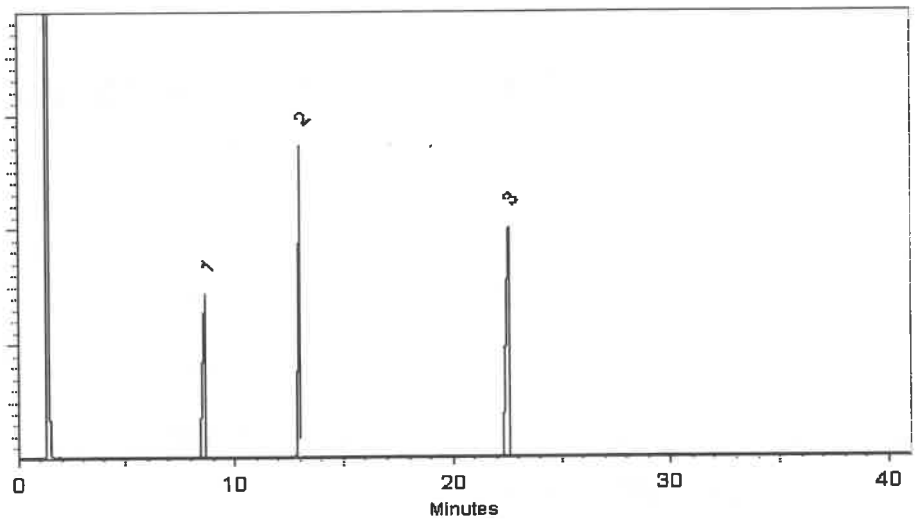
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

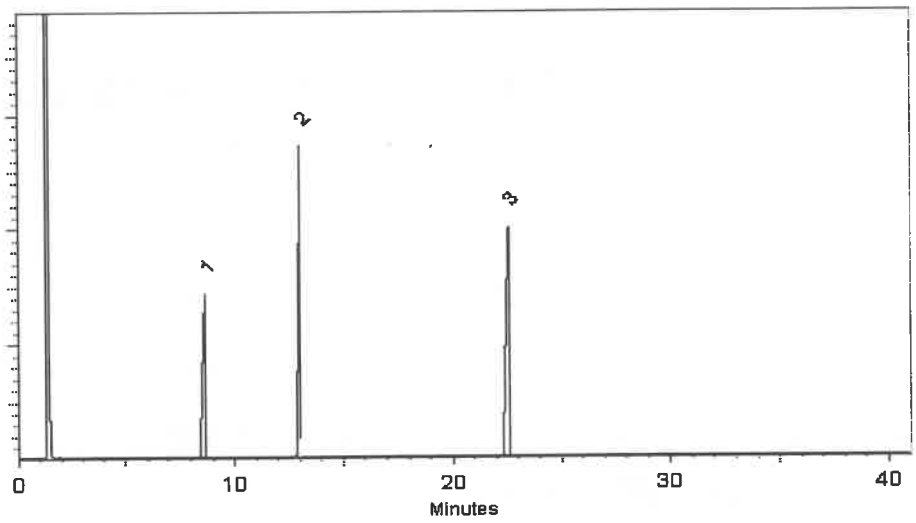
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

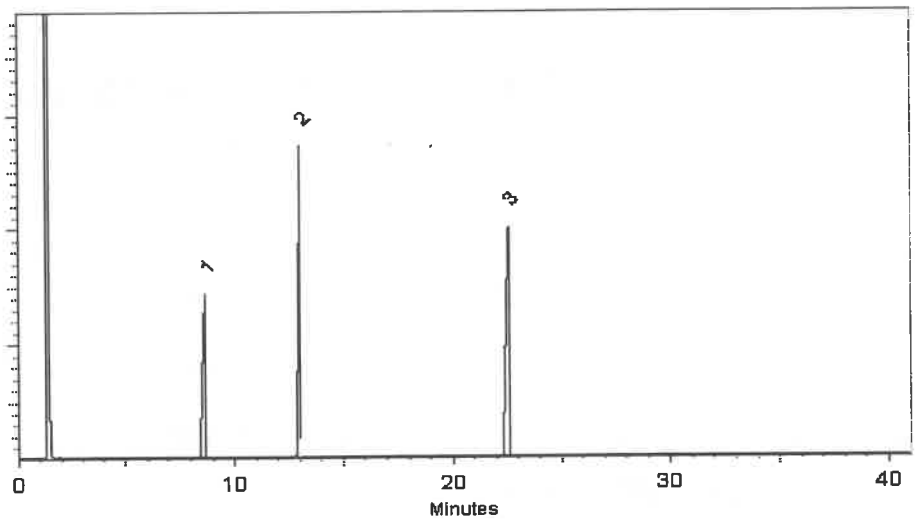
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

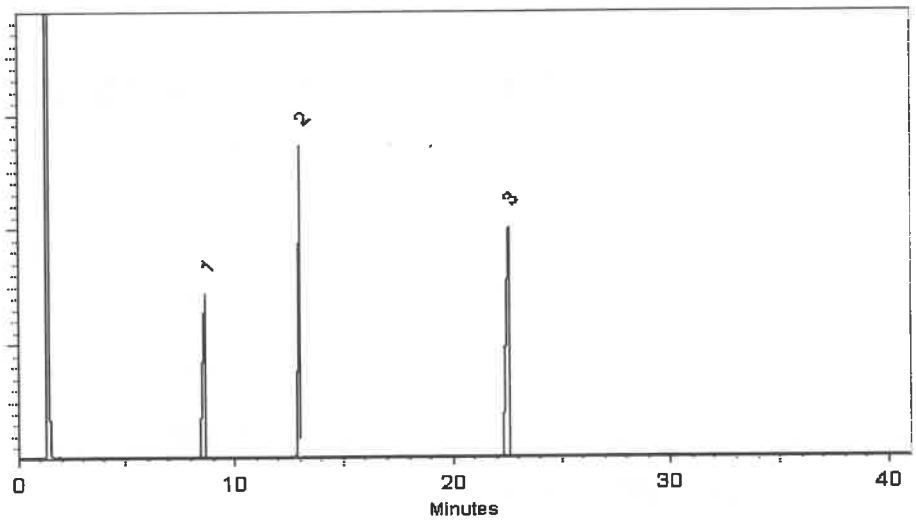
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

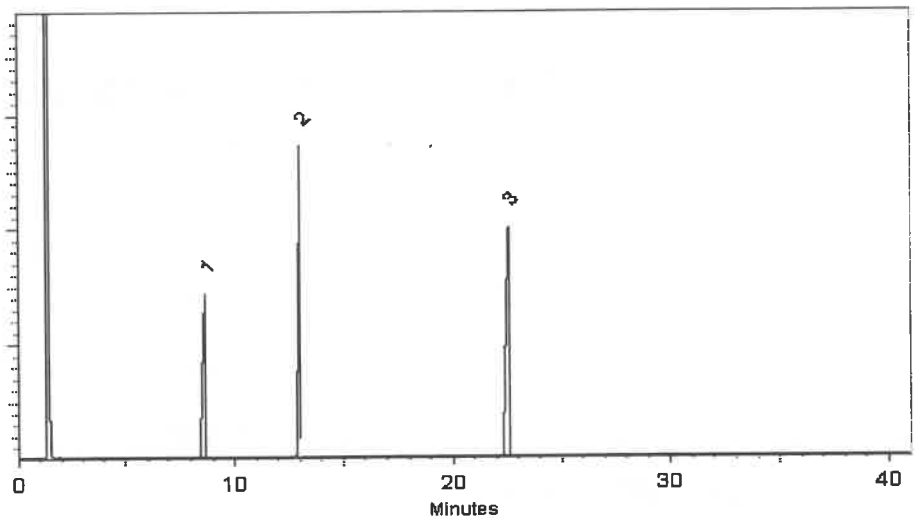
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

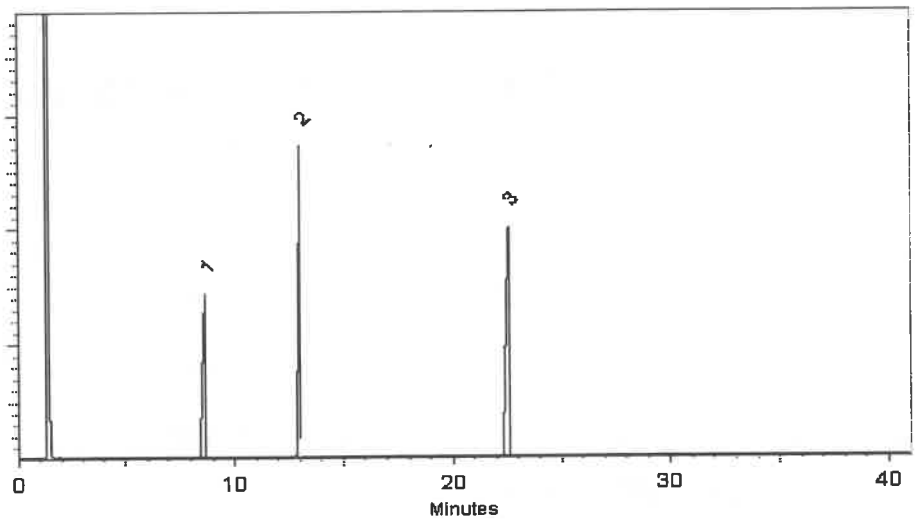
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

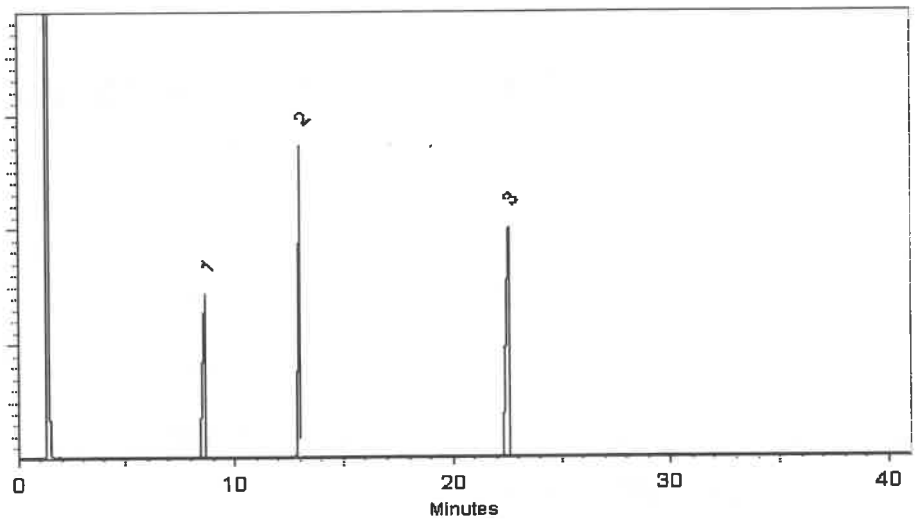
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

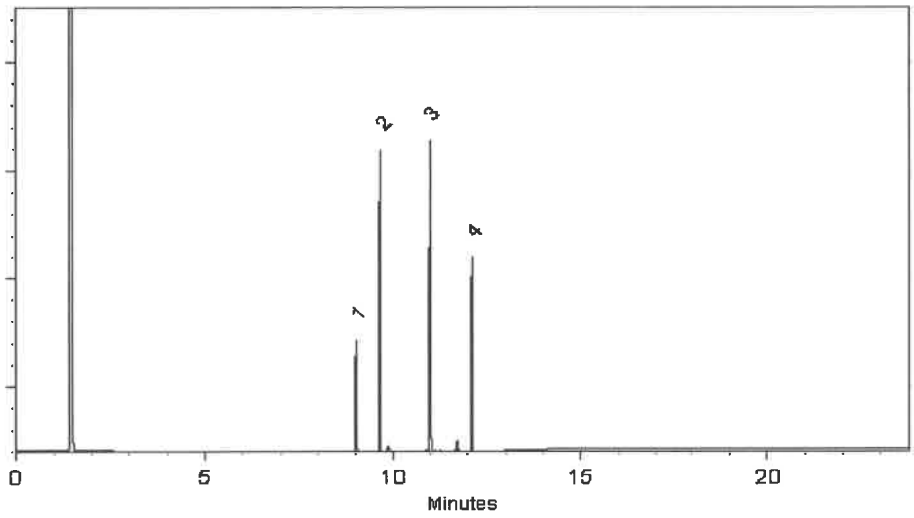
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 } RC/
↓ } 6/4/25
S13167

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

513148
↓
513157
RC
11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2202
COC Number 2046474

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX: NA

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957-01000 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: 315-418-8767 FAX: NA

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore PHONE: 315-418-8767

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: VOCs + TICs
2: SVOCs + TICs
3: Sulfate
4: TDS
5:
6:
7:
8:
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A	E	E	E						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW-9_20250603	W		X	6/3/25	1400	4	X		X	X						
2.	MW-11_20250603	W		X	6/3/25	0940	2	X									
3.	MW-12_20250603	W		X	6/3/25	1245	3	X	X								
4.	MW-13D_20250603	W		X	6/3/25	1120	2	X									
5.	MW-1A_20250603	W		X	6/3/25	1520	4	X		X	X						
6.	TB_20250603	W		X	6/3/25	—	2	X									
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		DATE/TIME
RELINQUISHED BY SAMPLER: 1. Kw M	6/3/25 1710	RECEIVED BY: 1	6-3-25 1710
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 6-3-25 1902	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.1 °C
Comments: Please CC kirsten.valentini@parsons.com

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2202 PARS02
Client Name : PARSONS Engineering of N
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Engineering of N
Invoice Contact : Stephen Liberatore

Order Date : 6/4/2025 11:59:00 AM
Project Name : Con Ed Non MGP – Atlanti
Receive DateTime : 6/3/2025 7:02:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~NYS ASP B~~ level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2202-01	MW-9-20250603	Water	06/03/2025	14:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2202-02	MW-11-20250603	Water	06/03/2025	09:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2202-03	MW-12-20250603	Water	06/03/2025	12:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2202-04	MW-130-20250603	Water	06/03/2025	11:20					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2202-05	MW-1A-20250603	Water	06/03/2025	15:20					
					VOCMS Group1		8260-Low		10 Bus. Days
Q2202-06	TB-20250603	Water	06/03/2025	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2202 PARS02
Client Name : PARSONS Engineering of N
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Engineering of N
Invoice Contact : Stephen Liberatore

Order Date : 6/4/2025 11:59:00 AM
Project Name : Con Ed Non MGP – Atlanti
Receive DateTime : 6/3/2025 7:02:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~NYS ASP B~~ level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : [signature]
Date / Time : 6/4/25 1225

Received By : [signature]
Date / Time : 06/04/25 12:25 AS/4

Storage Area : VOA Refridgerator Room