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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3649	**OrderDate:**	11/14/2025 3:02:13 PM
Client:	HDR, Inc.	**Project:**	PVWC Linear Construction
Contact:	Andrew Wadden	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3649-01	**B5-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-03	**DUPE-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-06	**B4-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	
Q3649-08	**B3-0.0-0.5-20251114**	**SOIL**			**11/14/25**			**11/14/25**
			SVOC-TCL BNA -20	8270E		11/17/25	11/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3649

Client: HDR, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B5-0.0-0.5-20251114**								
Q3649-01	B5-0.0-0.5-20251114	SOIL	1-Heneicosanol	*	82.300	J	0	0	ug/Kg
Q3649-01	B5-0.0-0.5-20251114	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
			Total Tics :		**262.30**				
			Total Concentration:		**262.30**				
Client ID :	**DUPE-0.0-0.5-20251114**								
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Phenanthrene		230.000		24.1	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Fluoranthene		400.000		34.6	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Pyrene		280.000		41.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)anthracene		180.000	J	26.5	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Chrysene		200.000		22.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J	68.2	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(b)fluoranthene		260.000		21.9	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(k)fluoranthene		100.000	J	25.8	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(a)pyrene		170.000	J	34	200	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo(g,h,i)perylene		90.600	J	29.6	200	ug/Kg
			Total Svoc :		**2,020.60**				
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzo[e]pyrene	*	120.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q3649-03	DUPE-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**2,540.60**				
Client ID :	**B4-0.0-0.5-20251114**								
Q3649-06	B4-0.0-0.5-20251114	SOIL	Benzophenone	*	100.000	J	0	0	ug/Kg
			Total Tics :		**100.00**				
			Total Concentration:		**100.00**				
Client ID :	**B3-0.0-0.5-20251114**								
Q3649-08	B3-0.0-0.5-20251114	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Heptadecyl heptafluorobutyrate	*	150.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	180.000	J	0	0	ug/Kg
Q3649-08	B3-0.0-0.5-20251114	SOIL	Z-5-Nonadecene	*	99.000	J	0	0	ug/Kg
			Total Tics :		**919.00**				
			Total Concentration:		**919.00**				

QC SUMMARY

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

SW-846

SDG No.: Q3649

Client: HDR, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170576BL	PB170576BL	2-Fluorophenol	150	125	83		30 (10)	130 (105)
		Phenol-d6	150	124	83		30 (10)	130 (103)
		Nitrobenzene-d5	100	89.2	89		30 (10)	130 (108)
		2-Fluorobiphenyl	100	84.9	85		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	142	94		30 (10)	130 (116)
		Terphenyl-d14	100	98.3	98		30 (10)	130 (109)
PB170576BS	PB170576BS	2-Fluorophenol	150	115	77		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	80.0	80		30 (10)	130 (108)
		2-Fluorobiphenyl	100	79.2	79		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	118	79		30 (10)	130 (116)
		Terphenyl-d14	100	82.5	82		30 (10)	130 (109)
Q3649-01	B5-0.0-0.5-20251114	2-Fluorophenol	150	62.0	41		30 (10)	130 (105)
		Phenol-d6	150	73.3	49		30 (10)	130 (103)
		Nitrobenzene-d5	100	47.5	47		30 (10)	130 (108)
		2-Fluorobiphenyl	100	50.5	51		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	37.2	25	*	30 (10)	130 (116)
		Terphenyl-d14	100	53.7	54		30 (10)	130 (109)
Q3649-03	DUPE-0.0-0.5-20251114	2-Fluorophenol	150	65.4	44		30 (10)	130 (105)
		Phenol-d6	150	63.5	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	45.2	45		30 (10)	130 (108)
		2-Fluorobiphenyl	100	48.3	48		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	58.0	39		30 (10)	130 (116)
		Terphenyl-d14	100	38.4	38		30 (10)	130 (109)
Q3649-06	B4-0.0-0.5-20251114	2-Fluorophenol	150	64.5	43		30 (10)	130 (105)
		Phenol-d6	150	63.1	42		30 (10)	130 (103)
		Nitrobenzene-d5	100	41.4	41		30 (10)	130 (108)
		2-Fluorobiphenyl	100	42.8	43		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	66.3	44		30 (10)	130 (116)
		Terphenyl-d14	100	44.7	45		30 (10)	130 (109)
Q3649-08	B3-0.0-0.5-20251114	2-Fluorophenol	150	121	81		30 (10)	130 (105)
		Phenol-d6	150	120	80		30 (10)	130 (103)
		Nitrobenzene-d5	100	77.8	78		30 (10)	130 (108)
		2-Fluorobiphenyl	100	77.8	78		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	123	82		30 (10)	130 (116)
		Terphenyl-d14	100	79.1	79		30 (10)	130 (109)
Q3649-08MS	B3-0.0-0.5-20251114MS	2-Fluorophenol	150	111	74		30 (10)	130 (105)
		Phenol-d6	150	115	77		30 (10)	130 (103)
		Nitrobenzene-d5	100	72.6	73		30 (10)	130 (108)
		2-Fluorobiphenyl	100	71.8	72		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	111	74		30 (10)	130 (116)
		Terphenyl-d14	100	75.6	76		30 (10)	130 (109)
Q3649-08MSD	B3-0.0-0.5-20251114MSD	2-Fluorophenol	150	107	71		30 (10)	130 (105)
		Phenol-d6	150	111	74		30 (10)	130 (103)
		Nitrobenzene-d5	100	68.7	69		30 (10)	130 (108)
		2-Fluorobiphenyl	100	64.2	64		30 (10)	130 (108)
		2,4,6-Tribromophenol	150	104	69		30 (10)	130 (116)
		Terphenyl-d14	100	72.2	72		30 (10)	130 (109)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3649-08MS		**Client Sample ID: B3-0.0-0.5-20251114MS**									
Benzaldehyde	1900	0	1300	ug/Kg	68				20 (20)	160 (111)	
Phenol	1900	0	2000	ug/Kg	105				20 (51)	160 (122)	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				70 (67)	130 (110)	
2-Chlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (119)	
2-Methylphenol	1900	0	1900	ug/Kg	100				70 (68)	130 (116)	
2,2-oxybis(1-Chloropropane)	1900	0	1700	ug/Kg	89				70 (59)	130 (113)	
Acetophenone	1900	0	1800	ug/Kg	95				70 (55)	130 (128)	
3+4-Methylphenols	1900	0	1900	ug/Kg	100				20 (70)	160 (111)	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				70 (59)	130 (119)	
Hexachloroethane	1900	0	1800	ug/Kg	95				20 (65)	160 (115)	
Nitrobenzene	1900	0	1800	ug/Kg	95				70 (66)	130 (120)	
Isophorone	1900	0	1800	ug/Kg	95				70 (67)	130 (113)	
2-Nitrophenol	1900	0	2000	ug/Kg	105				70 (69)	130 (135)	
2,4-Dimethylphenol	1900	0	1900	ug/Kg	100				70 (63)	130 (151)	
bis(2-Chloroethoxy)methane	1900	0	1900	ug/Kg	100				70 (70)	130 (112)	
2,4-Dichlorophenol	1900	0	2000	ug/Kg	105				70 (70)	130 (121)	
Naphthalene	1900	0	1800	ug/Kg	95				70 (66)	130 (113)	
4-Chloroaniline	1900	0	450	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1900	0	1700	ug/Kg	89				70 (67)	130 (118)	
Caprolactam	1900	0	1900	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105				70 (71)	130 (118)	
2-Methylnaphthalene	1900	0	1600	ug/Kg	84				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3900	0	3500	ug/Kg	90				20 (16)	160 (175)	
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (67)	130 (128)	
2,4,5-Trichlorophenol	1900	0	1900	ug/Kg	100				70 (69)	130 (123)	
1,1-Biphenyl	1900	0	1900	ug/Kg	100				70 (69)	130 (126)	
2-Chloronaphthalene	1900	0	1800	ug/Kg	95				70 (71)	130 (113)	
2-Nitroaniline	1900	0	2000	ug/Kg	105				70 (73)	130 (125)	
Dimethylphthalate	1900	0	1800	ug/Kg	95				70 (72)	130 (116)	
Acenaphthylene	1900	0	1900	ug/Kg	100				70 (69)	130 (128)	
2,6-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (67)	130 (141)	
3-Nitroaniline	1900	0	810	ug/Kg	43	*			70 (28)	130 (102)	
Acenaphthene	1900	0	2100	ug/Kg	111				70 (70)	130 (121)	
2,4-Dinitrophenol	3900	0	3800	ug/Kg	97				20 (10)	160 (164)	
4-Nitrophenol	3900	0	4100	ug/Kg	105				20 (49)	160 (133)	
Dibenzofuran	1900	0	1800	ug/Kg	95				70 (71)	130 (111)	
2,4-Dinitrotoluene	1900	0	2000	ug/Kg	105				70 (73)	130 (130)	
Diethylphthalate	1900	0	1800	ug/Kg	95				70 (73)	130 (116)	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				70 (72)	130 (112)	
Fluorene	1900	0	1800	ug/Kg	95				70 (67)	130 (114)	
4-Nitroaniline	1900	0	1800	ug/Kg	95				70 (61)	130 (128)	
4,6-Dinitro-2-methylphenol	1900	0	2200	ug/Kg	116				70 (25)	130 (163)	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1900	0	1900	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1900	0	1800	ug/Kg	95				70 (67)	130 (118)	
Atrazine	1900	0	1900	ug/Kg	100				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064796.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3900	ug/Kg	100				20 (39)	160 (145)	
Phenanthrene	1900	0	1900	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1900	0	1900	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1900	0	1900	ug/Kg	100				70 (73)	130 (115)	
Di-n-butylphthalate	1900	0	1900	ug/Kg	100				70 (72)	130 (129)	
Fluoranthene	1900	0	1800	ug/Kg	95				70 (31)	130 (152)	
Pyrene	1900	0	2000	ug/Kg	105				70 (37)	130 (122)	
Butylbenzylphthalate	1900	0	2000	ug/Kg	105				70 (59)	130 (151)	
3,3-Dichlorobenzidine	1900	0	770	ug/Kg	41	*			70 (10)	130 (116)	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				70 (53)	130 (119)	
Chrysene	1900	0	1800	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				70 (64)	130 (139)	
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100				70 (51)	130 (156)	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				70 (52)	130 (117)	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1900	0	1900	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1900	0	2000	ug/Kg	105				70 (48)	130 (129)	
Dibenz(a,h)anthracene	1900	0	2000	ug/Kg	105				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1900	0	2000	ug/Kg	105				70 (40)	130 (133)	
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95				70 (65)	130 (132)	
1,4-Dioxane	1900	0	1600	ug/Kg	84				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105				70 (56)	130 (141)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q3649-08MSD		**Client Sample ID: B3-0.0-0.5-20251114MSD**									
Benzaldehyde	1900	0	1200	ug/Kg	63		8		20 (20)	160 (111)	30 (20)
Phenol	1900	0	1900	ug/Kg	100		5		20 (51)	160 (122)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89		7		70 (67)	130 (110)	30 (20)
2-Chlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (119)	30 (20)
2-Methylphenol	1900	0	1800	ug/Kg	95		5		70 (68)	130 (116)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		70 (59)	130 (113)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		7		70 (55)	130 (128)	30 (20)
3+4-Methylphenols	1900	0	1800	ug/Kg	95		5		20 (70)	160 (111)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		7		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1700	ug/Kg	89		7		20 (65)	160 (115)	30 (20)
Nitrobenzene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (120)	30 (20)
Isophorone	1900	0	1700	ug/Kg	89		7		70 (67)	130 (113)	30 (20)
2-Nitrophenol	1900	0	1800	ug/Kg	95		10		70 (69)	130 (135)	30 (16)
2,4-Dimethylphenol	1900	0	1800	ug/Kg	95		5		70 (63)	130 (151)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		12		70 (70)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1900	ug/Kg	100		5		70 (70)	130 (121)	30 (20)
Naphthalene	1900	0	1700	ug/Kg	89		7		70 (66)	130 (113)	30 (20)
4-Chloroaniline	1900	0	400	ug/Kg	21	*	13		70 (10)	130 (100)	30 (25)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (16)
Caprolactam	1900	0	1800	ug/Kg	95		5		20 (51)	160 (134)	30 (25)
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95		10		70 (71)	130 (118)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3900	0	3100	ug/Kg	79		13		20 (16)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (67)	130 (128)	30 (16)
2,4,5-Trichlorophenol	1900	0	1800	ug/Kg	95		5		70 (69)	130 (123)	30 (16)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		12		70 (69)	130 (126)	30 (20)
2-Chloronaphthalene	1900	0	1700	ug/Kg	89		7		70 (71)	130 (113)	30 (20)
2-Nitroaniline	1900	0	1700	ug/Kg	89		16		70 (73)	130 (125)	30 (16)
Dimethylphthalate	1900	0	1700	ug/Kg	89		7		70 (72)	130 (116)	30 (20)
Acenaphthylene	1900	0	1700	ug/Kg	89		12		70 (69)	130 (128)	30 (15)
2,6-Dinitrotoluene	1900	0	1900	ug/Kg	100		5		70 (67)	130 (141)	30 (20)
3-Nitroaniline	1900	0	770	ug/Kg	41	*	5		70 (28)	130 (102)	30 (20)
Acenaphthene	1900	0	1900	ug/Kg	100		10		70 (70)	130 (121)	30 (16)
2,4-Dinitrophenol	3900	0	3600	ug/Kg	92		5		20 (10)	160 (164)	30 (30)
4-Nitrophenol	3900	0	3800	ug/Kg	97		8		20 (49)	160 (133)	30 (20)
Dibenzofuran	1900	0	1700	ug/Kg	89		7		70 (71)	130 (111)	30 (20)
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95		10		70 (73)	130 (130)	30 (20)
Diethylphthalate	1900	0	1700	ug/Kg	89		7		70 (73)	130 (116)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		12		70 (72)	130 (112)	30 (20)
Fluorene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (114)	30 (20)
4-Nitroaniline	1900	0	1700	ug/Kg	89		7		70 (61)	130 (128)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	2000	ug/Kg	105		10		70 (25)	130 (163)	30 (30)
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1700	ug/Kg	89		12		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	1700	ug/Kg	89		12		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** SW8270E

Client: HDR, Inc. **DataFile:** BG064797.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3900	0	3600	ug/Kg	92		8		20 (39)	160 (145)	30 (20)
Phenanthrene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		12		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1700	ug/Kg	89		12		70 (73)	130 (115)	30 (20)
Di-n-butylphthalate	1900	0	1700	ug/Kg	89		12		70 (72)	130 (129)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		12		70 (31)	130 (152)	30 (20)
Pyrene	1900	0	1900	ug/Kg	100		5		70 (37)	130 (122)	30 (27)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		10		70 (59)	130 (151)	30 (20)
3,3-Dichlorobenzidine	1900	0	720	ug/Kg	38	*	8		70 (10)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		70 (53)	130 (119)	30 (20)
Chrysene	1900	0	1700	ug/Kg	89		7		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		70 (64)	130 (139)	30 (20)
Di-n-octyl phthalate	1900	0	1700	ug/Kg	89		12		70 (51)	130 (156)	30 (20)
Benzo(b)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (52)	130 (117)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		10		70 (48)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95		10		70 (40)	130 (133)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (65)	130 (132)	30 (20)
1,4-Dioxane	1900	0	1400	ug/Kg	74		13		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1900	ug/Kg	100		5		70 (56)	130 (141)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170576BS	Benzaldehyde	1700	890	ug/Kg	52				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (105)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (75)	130 (100)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (75)	130 (113)	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				70 (61)	130 (130)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	830	ug/Kg	49		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (68)	130 (108)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (74)	130 (106)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (74)	130 (110)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (71)	130 (110)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (70)	130 (103)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (76)	130 (101)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (76)	130 (111)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (78)	130 (116)	
	3-Nitroaniline	1700	1000	ug/Kg	59		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (73)	130 (105)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (59)	160 (137)	
	4-Nitrophenol	3300	2300	ug/Kg	70				20 (60)	160 (124)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (78)	130 (115)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (104)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (73)	130 (101)	
	Fluorene	1700	1400	ug/Kg	82				70 (75)	130 (99)	
	4-Nitroaniline	1700	1300	ug/Kg	76				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3649 **Analytical Method:** 8270E

Client: HDR, Inc. **DataFile:** BF144265.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170576BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1500	ug/Kg	88				70 (71)	130 (122)	
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (56)	160 (129)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (75)	130 (100)	
	Anthracene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	Carbazole	1700	1400	ug/Kg	82				70 (76)	130 (103)	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (73)	130 (105)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				70 (75)	130 (120)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (31)	130 (94)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (75)	130 (104)	
	Chrysene	1700	1400	ug/Kg	82				70 (75)	130 (103)	
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				70 (77)	130 (113)	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (76)	130 (110)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (75)	130 (108)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (79)	130 (109)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (71)	130 (118)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170576BL

Lab Name: Alliance | Contract: HDRI08

Lab Code: ACE | SDG NO.: Q3649

Lab File ID: BF144264.D | Lab Sample ID: PB170576BL

Instrument ID: BNA_F | Date Extracted: 11/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 11/17/2025

Level: (low/med) LOW | Time Analyzed: 13:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170576BS	PB170576BS	BF144265.D	11/17/2025
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025

COMMENTS:

Raw Data: **BF144168.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG NO.: Q3649

Lab File ID: BF144168.D DFTPP Injection Date: 11/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144169.D	11/05/2025	12:50
SSTDICC005	SSTDICC005	BF144170.D	11/05/2025	13:20
SSTDICC010	SSTDICC010	BF144171.D	11/05/2025	13:50
SSTDICC020	SSTDICC020	BF144172.D	11/05/2025	14:20
SSTDICCC040	SSTDICCC040	BF144173.D	11/05/2025	14:50
SSTDICC050	SSTDICC050	BF144174.D	11/05/2025	15:49
SSTDICC060	SSTDICC060	BF144175.D	11/05/2025	16:19
SSTDICC080	SSTDICC080	BF144176.D	11/05/2025	16:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: HDRI08

Lab Code: ACE — SDG NO.: Q3649

Lab File ID: BF144262.D — DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_F — DFTPP Injection Time: 12:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.0 (0.0) 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	5.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	16.2
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
SSTDCCC040	SSTDCCC040	BF144263.D	11/17/2025	12:52
PB170576BL	PB170576BL	BF144264.D	11/17/2025	13:21
PB170576BS	PB170576BS	BF144265.D	11/17/2025	13:52
DUPE-0.0-0.5-20251114	Q3649-03	BF144272.D	11/17/2025	17:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: HDRI08

Lab Code: ACE — SDG NO.: Q3649

Lab File ID: BG064744.D — DFTPP Injection Date: 11/12/2025

Instrument ID: BNA_G — DFTPP Injection Time: 10:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	25.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064745.D	11/12/2025	11:17
SSTDICC005	SSTDICC005	BG064746.D	11/12/2025	11:58
SSTDICC010	SSTDICC010	BG064747.D	11/12/2025	12:39
SSTDICC020	SSTDICC020	BG064748.D	11/12/2025	13:20
SSTDICCC040	SSTDICCC040	BG064749.D	11/12/2025	14:00
SSTDICC050	SSTDICC050	BG064750.D	11/12/2025	14:41
SSTDICC060	SSTDICC060	BG064751.D	11/12/2025	15:23
SSTDICC080	SSTDICC080	BG064752.D	11/12/2025	16:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: HDRI08

Lab Code: ACE — SDG NO.: Q3649

Lab File ID: BG064783.D — DFTPP Injection Date: 11/17/2025

Instrument ID: BNA_G — DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.9) 1
69	Mass 69 relative abundance	23.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
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	6.1
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 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	BG064784.D	11/17/2025	13:23
B4-0.0-0.5-20251114	Q3649-06	BG064792.D	11/17/2025	20:07
B5-0.0-0.5-20251114	Q3649-01	BG064794.D	11/17/2025	21:28
B3-0.0-0.5-20251114	Q3649-08	BG064795.D	11/17/2025	22:09
B3-0.0-0.5-20251114MS	Q3649-08MS	BG064796.D	11/17/2025	22:50
B3-0.0-0.5-20251114MSD	Q3649-08MSD	BG064797.D	11/17/2025	23:31

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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	51819	6.869	191465	8.15	106334	9.90
	UPPER LIMIT	103638	7.369	382930	8.651	212668	10.404
	LOWER LIMIT	25909.5	6.369	95732.5	7.651	53167	9.404
	EPA SAMPLE NO.						
01	PB170576BL	66285	6.86	255338	8.15	147126	9.90
02	PB170576BS	57508	6.87	224965	8.15	126893	9.91
03	DUPE-0.0-0.5-20251114	54942	6.87	197870	8.15	98301	9.90

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BF144263.D Time Analyzed: 12:52

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	166797	11.398	104164	14.045	157386	15.527
	UPPER LIMIT	333594	11.898	208328	14.545	314772	16.027
	LOWER LIMIT	83398.5	10.898	52082	13.545	78693	15.027
	EPA SAMPLE NO.						
01	PB170576BL	272429	11.40	161260	14.05	184176	15.53
02	PB170576BS	214778	11.40	127678	14.05	154286	15.53
03	DUPE-0.0-0.5-20251114	159918	11.40	126617	14.05	116785	15.53

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: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID : SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39415	8.17	157593	10.98	128699	14.77
	UPPER LIMIT	78830	8.67	315186	11.484	257398	15.274
	LOWER LIMIT	19707.5	7.67	78796.5	10.484	64349.5	14.274
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	35573	8.16	134204	10.98	105983	14.77
02	B4-0.0-0.5-20251114	33180	8.17	121269	10.98	93445	14.78
03	B3-0.0-0.5-20251114	36122	8.16	135327	10.98	107446	14.77
04	B3-0.0-0.5-20251114MS	35648	8.17	137981	10.98	109267	14.77
05	B3-0.0-0.5-20251114MSD	39734	8.16	157606	10.98	130879	14.77

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: Alliance

Lab Code: ACE SDG NO.: Q3649

Client ID: SSTDCCC040 Date Analyzed: 11/17/2025

Lab File ID: BG064784.D Time Analyzed: 13:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	344592	17.506	431754	21.76	428890	25.021
	UPPER LIMIT	689184	18.006	863508	22.26	857780	25.521
	LOWER LIMIT	172296	17.006	215877	21.26	214445	24.521
	EPA SAMPLE NO.						
01	B5-0.0-0.5-20251114	261717	17.50	348460	21.75	360076	25.01
02	B4-0.0-0.5-20251114	234373	17.50	327722	21.75	336150	25.01
03	B3-0.0-0.5-20251114	269264	17.50	355916	21.75	358460	25.01
04	B3-0.0-0.5-20251114MS	264688	17.50	332562	21.76	341639	25.01
05	B3-0.0-0.5-20251114MSD	316710	17.50	371983	21.75	376972	25.01

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

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

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

SAMPLE DATA

Raw Data: **BG064794.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 21:28	PB170576
108-95-2	Phenol	24.4	U	1	24.4	190	ug/Kg	11/17/25 21:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.8	U	1	26.8	190	ug/Kg	11/17/25 21:28	PB170576
95-57-8	2-Chlorophenol	26.9	U	1	26.9	190	ug/Kg	11/17/25 21:28	PB170576
95-48-7	2-Methylphenol	33.0	U	1	33.0	190	ug/Kg	11/17/25 21:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	1	41.3	190	ug/Kg	11/17/25 21:28	PB170576
98-86-2	Acetophenone	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
65794-96-9	3+4-Methylphenols	45.3	U	1	45.3	360	ug/Kg	11/17/25 21:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	1	52.2	88.2	ug/Kg	11/17/25 21:28	PB170576
67-72-1	Hexachloroethane	19.4	U	1	19.4	190	ug/Kg	11/17/25 21:28	PB170576
98-95-3	Nitrobenzene	20.2	U	1	20.2	190	ug/Kg	11/17/25 21:28	PB170576
78-59-1	Isophorone	36.2	U	1	36.2	190	ug/Kg	11/17/25 21:28	PB170576
88-75-5	2-Nitrophenol	64.2	U	1	64.2	190	ug/Kg	11/17/25 21:28	PB170576
105-67-9	2,4-Dimethylphenol	71.4	U	1	71.4	190	ug/Kg	11/17/25 21:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	1	34.0	190	ug/Kg	11/17/25 21:28	PB170576
120-83-2	2,4-Dichlorophenol	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
91-20-3	Naphthalene	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
106-47-8	4-Chloroaniline	39.0	UQ	1	39.0	190	ug/Kg	11/17/25 21:28	PB170576
87-68-3	Hexachlorobutadiene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
105-60-2	Caprolactam	57.4	U	1	57.4	360	ug/Kg	11/17/25 21:28	PB170576
59-50-7	4-Chloro-3-methylphenol	31.6	U	1	31.6	190	ug/Kg	11/17/25 21:28	PB170576
91-57-6	2-Methylnaphthalene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 21:28	PB170576
88-06-2	2,4,6-Trichlorophenol	21.8	U	1	21.8	190	ug/Kg	11/17/25 21:28	PB170576
95-95-4	2,4,5-Trichlorophenol	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
92-52-4	1,1-Biphenyl	24.0	U	1	24.0	190	ug/Kg	11/17/25 21:28	PB170576
91-58-7	2-Chloronaphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 21:28	PB170576
88-74-4	2-Nitroaniline	53.0	U	1	53.0	190	ug/Kg	11/17/25 21:28	PB170576
131-11-3	Dimethylphthalate	29.9	U	1	29.9	190	ug/Kg	11/17/25 21:28	PB170576
208-96-8	Acenaphthylene	31.9	U	1	31.9	190	ug/Kg	11/17/25 21:28	PB170576
606-20-2	2,6-Dinitrotoluene	37.0	U	1	37.0	190	ug/Kg	11/17/25 21:28	PB170576
99-09-2	3-Nitroaniline	50.7	UQ	1	50.7	190	ug/Kg	11/17/25 21:28	PB170576
83-32-9	Acenaphthene	23.5	U	1	23.5	190	ug/Kg	11/17/25 21:28	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 21:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 21:28	PB170576
132-64-9	Dibenzofuran	25.0	U	1	25.0	190	ug/Kg	11/17/25 21:28	PB170576
121-14-2	2,4-Dinitrotoluene	55.2	U	1	55.2	190	ug/Kg	11/17/25 21:28	PB170576
84-66-2	Diethylphthalate	31.2	U	1	31.2	190	ug/Kg	11/17/25 21:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	1	29.4	190	ug/Kg	11/17/25 21:28	PB170576
86-73-7	Fluorene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
100-01-6	4-Nitroaniline	70.8	U	1	70.8	190	ug/Kg	11/17/25 21:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 21:28	PB170576

Raw Data: **BG064794.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	36.3	U	1	36.3	190	ug/Kg	11/17/25 21:28	PB170576
101-55-3	4-Bromophenyl-phenylether	30.6	U	1	30.6	190	ug/Kg	11/17/25 21:28	PB170576
118-74-1	Hexachlorobenzene	27.9	U	1	27.9	190	ug/Kg	11/17/25 21:28	PB170576
1912-24-9	Atrazine	37.5	U	1	37.5	190	ug/Kg	11/17/25 21:28	PB170576
87-86-5	Pentachlorophenol	56.5	U	1	56.5	360	ug/Kg	11/17/25 21:28	PB170576
85-01-8	Phenanthrene	23.0	U	1	23.0	190	ug/Kg	11/17/25 21:28	PB170576
120-12-7	Anthracene	36.7	U	1	36.7	190	ug/Kg	11/17/25 21:28	PB170576
86-74-8	Carbazole	34.4	U	1	34.4	190	ug/Kg	11/17/25 21:28	PB170576
84-74-2	Di-n-butylphthalate	52.8	U	1	52.8	190	ug/Kg	11/17/25 21:28	PB170576
206-44-0	Fluoranthene	33.1	U	1	33.1	190	ug/Kg	11/17/25 21:28	PB170576
129-00-0	Pyrene	39.7	U	1	39.7	190	ug/Kg	11/17/25 21:28	PB170576
85-68-7	Butylbenzylphthalate	78.7	U	1	78.7	190	ug/Kg	11/17/25 21:28	PB170576
91-94-1	3,3-Dichlorobenzidine	40.5	UQ	1	40.5	360	ug/Kg	11/17/25 21:28	PB170576
56-55-3	Benzo(a)anthracene	25.4	U	1	25.4	190	ug/Kg	11/17/25 21:28	PB170576
218-01-9	Chrysene	21.9	U	1	21.9	190	ug/Kg	11/17/25 21:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	65.3	U	1	65.3	190	ug/Kg	11/17/25 21:28	PB170576
117-84-0	Di-n-octyl phthalate	95.7	U	1	95.7	360	ug/Kg	11/17/25 21:28	PB170576
205-99-2	Benzo(b)fluoranthene	20.9	U	1	20.9	190	ug/Kg	11/17/25 21:28	PB170576
207-08-9	Benzo(k)fluoranthene	24.7	U	1	24.7	190	ug/Kg	11/17/25 21:28	PB170576
50-32-8	Benzo(a)pyrene	32.5	U	1	32.5	190	ug/Kg	11/17/25 21:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	1	32.1	190	ug/Kg	11/17/25 21:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
191-24-2	Benzo(g,h,i)perylene	28.3	U	1	28.3	190	ug/Kg	11/17/25 21:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	1	28.2	190	ug/Kg	11/17/25 21:28	PB170576
123-91-1	1,4-Dioxane	49.8	U	1	49.8	190	ug/Kg	11/17/25 21:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	1	30.2	190	ug/Kg	11/17/25 21:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	62.0			30 (10) - 130 (105)	41%	SPK: 150		
13127-88-3	Phenol-d6	73.3			30 (10) - 130 (103)	49%	SPK: 150		
4165-60-0	Nitrobenzene-d5	47.5			30 (10) - 130 (108)	47%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.5			30 (10) - 130 (108)	51%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	37.2	*		30 (10) - 130 (116)	25%	SPK: 150		
1718-51-0	Terphenyl-d14	53.7			30 (10) - 130 (109)	54%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	134000							
15067-26-2	Acenaphthene-d10	106000							
1517-22-2	Phenanthrene-d10	262000							
1719-03-5	Chrysene-d12	348000							
1520-96-3	Perylene-d12	360000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	180	J			16.1	ug/Kg		
015594-90-8	1-Heneicosanol	82.3	J			21.4	ug/Kg		

Raw Data: **BG064794.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B5-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-01			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	90.6
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

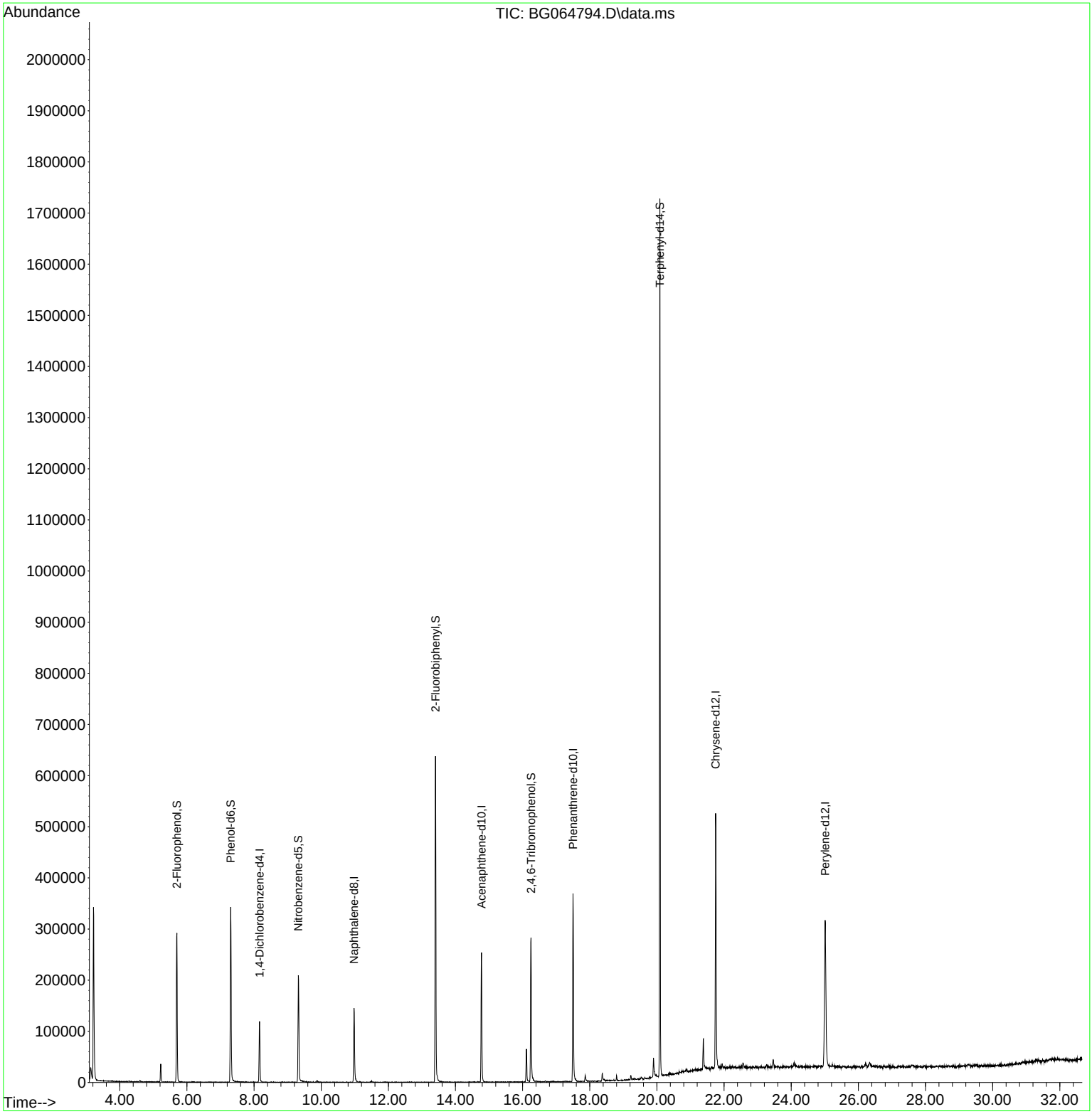
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	35573	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	134204	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	105983	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	261717	20.000	ng	0.00
76) Chrysene-d12	21.749	240	348460	20.000	ng	0.00
86) Perylene-d12	25.009	264	360076	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	126212	61.955	ng	0.00
7) Phenol-d6	7.307	99	198726	73.344	ng	0.00
23) Nitrobenzene-d5	9.322	82	128818	47.459	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	76928	37.217	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	383889	50.542	ng	0.00
79) Terphenyl-d14	20.086	244	951230	53.698	ng	0.00
Target Compounds						Qvalue

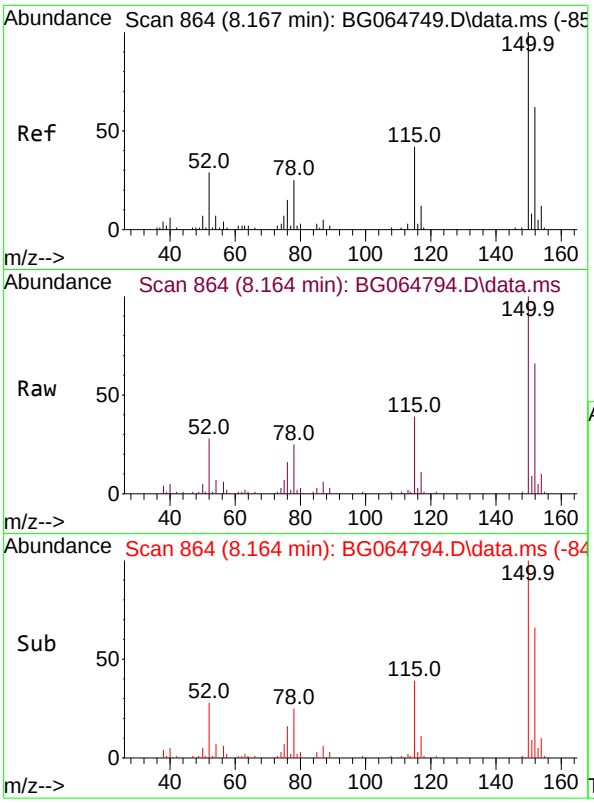
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Time: Nov 18 00:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



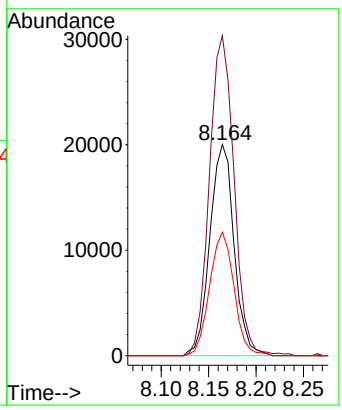


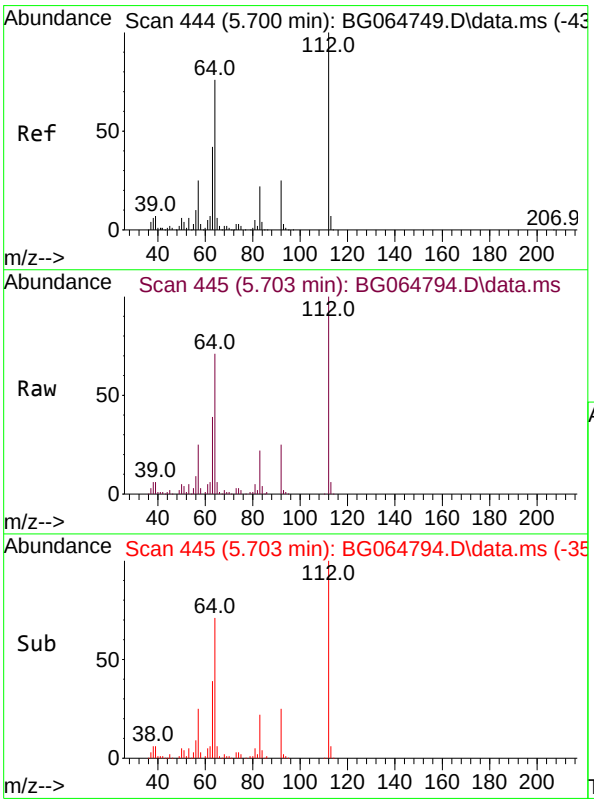
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:152 Resp: 35573

Ion	Ratio	Lower	Upper
152	100		
150	151.6	129.2	193.8
115	58.5	53.7	80.5

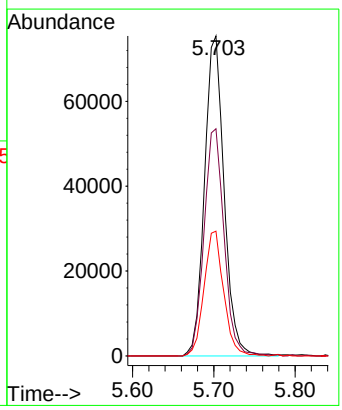


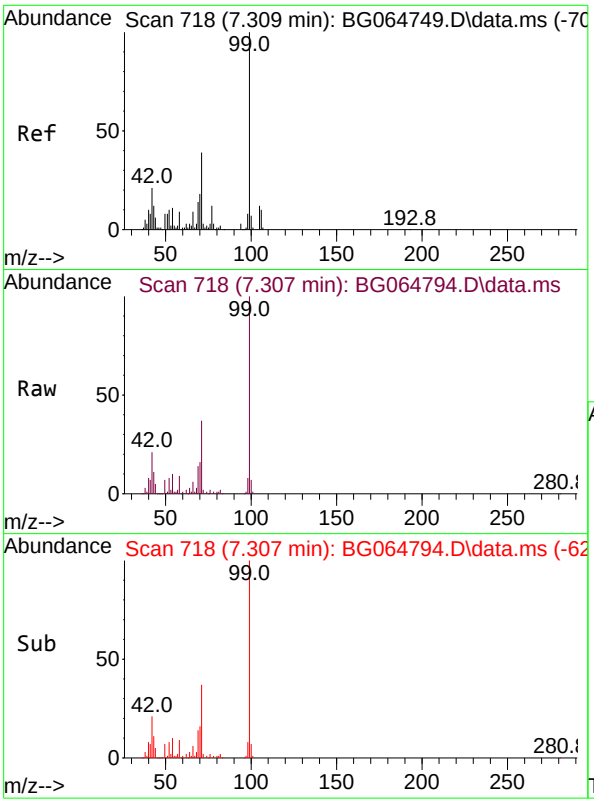


#5
2-Fluorophenol
Concen: 61.955 ng
RT: 5.703 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:112 Resp: 126212

Ion	Ratio	Lower	Upper
112	100		
64	71.0	61.0	91.4
63	39.0	33.3	49.9



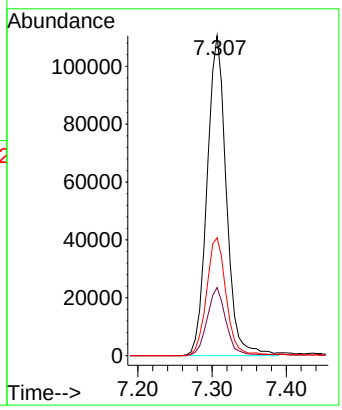


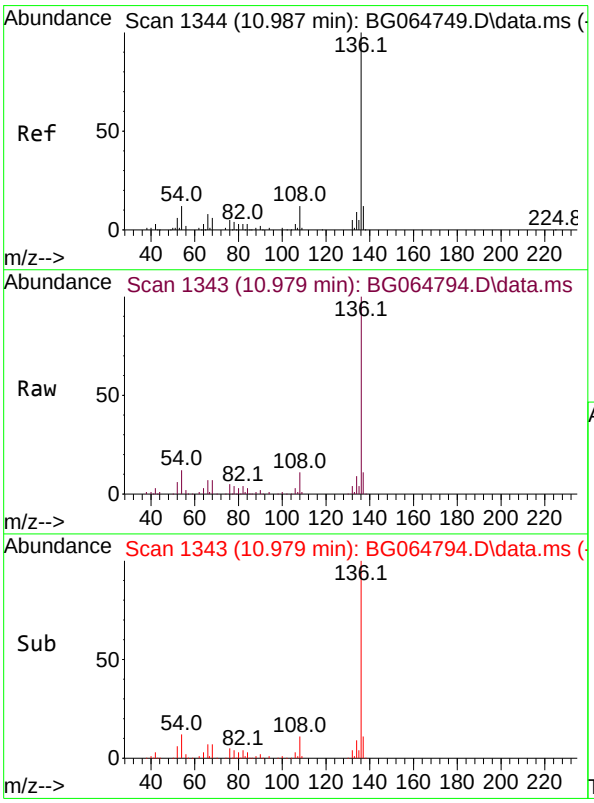
#7
Phenol-d6
Concen: 73.344 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 99 Resp: 198726

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.8	25.2
71	36.8	31.1	46.7

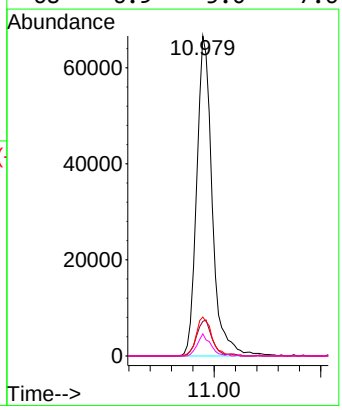


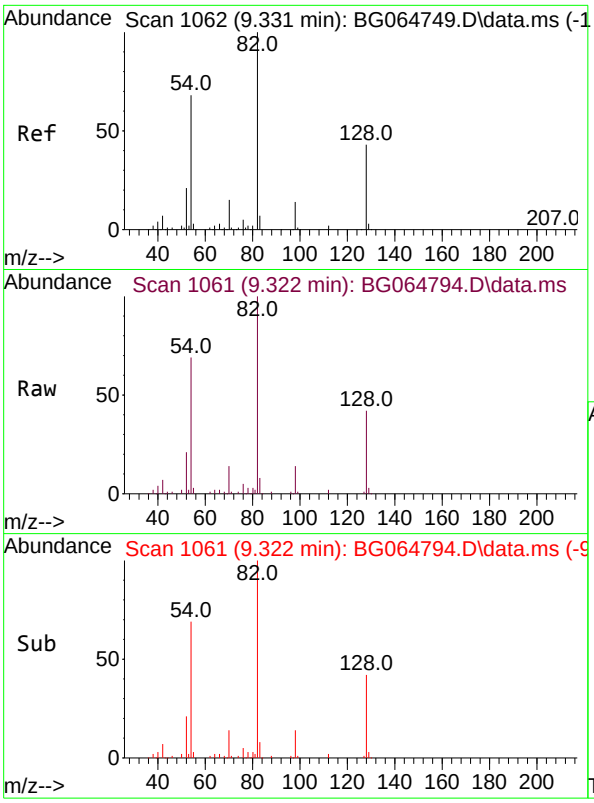


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:136 Resp: 134204

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.1	9.3	13.9
68	6.9	5.0	7.6



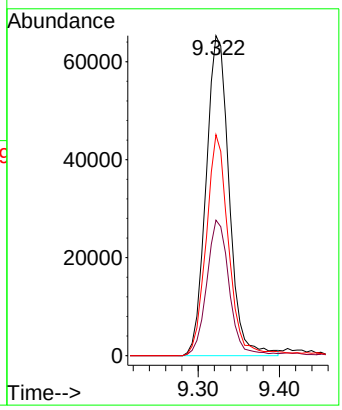


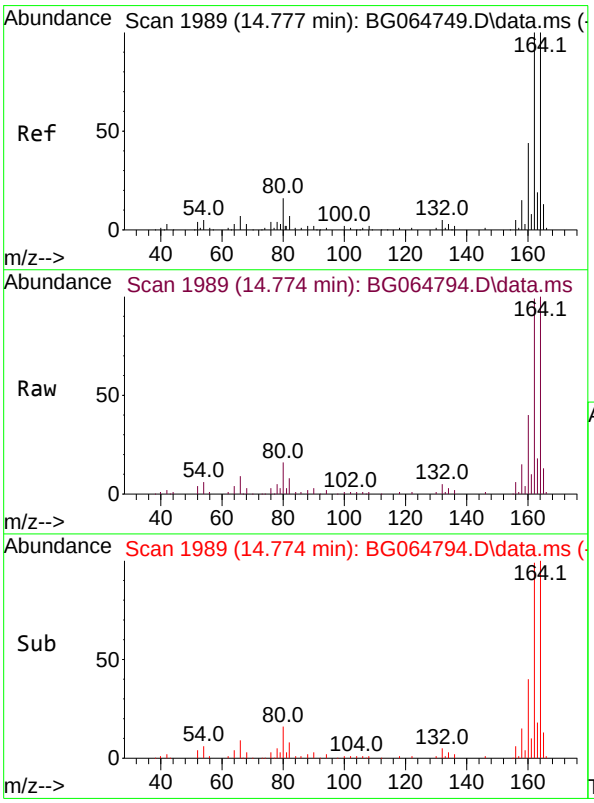
#23
Nitrobenzene-d5
Concen: 47.459 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion: 82 Resp: 128818

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.1	51.1
54	69.0	54.3	81.5

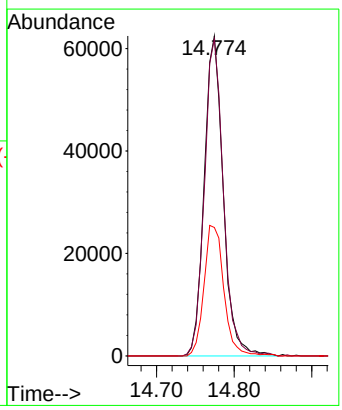


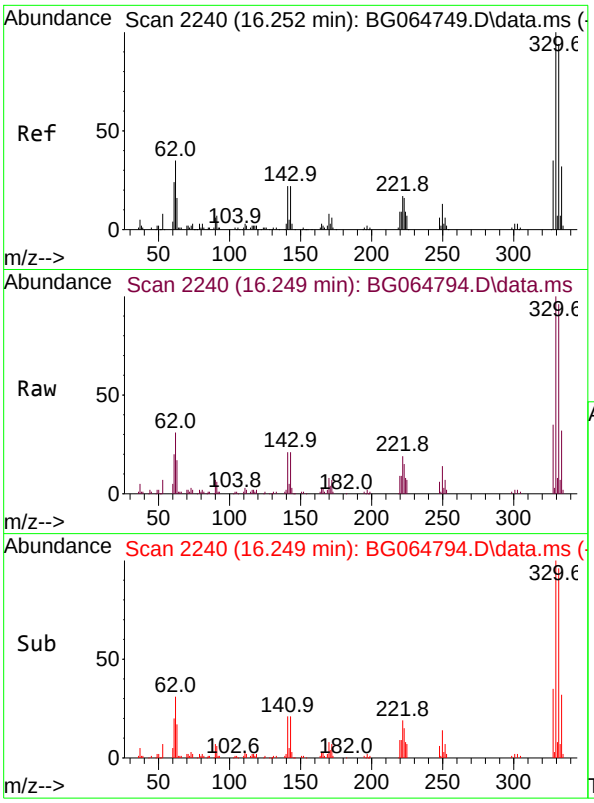


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:164 Resp: 105983

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.8	119.6
160	40.1	34.9	52.3



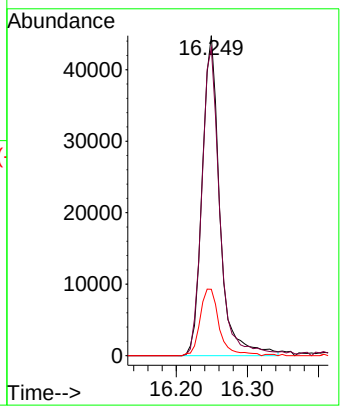


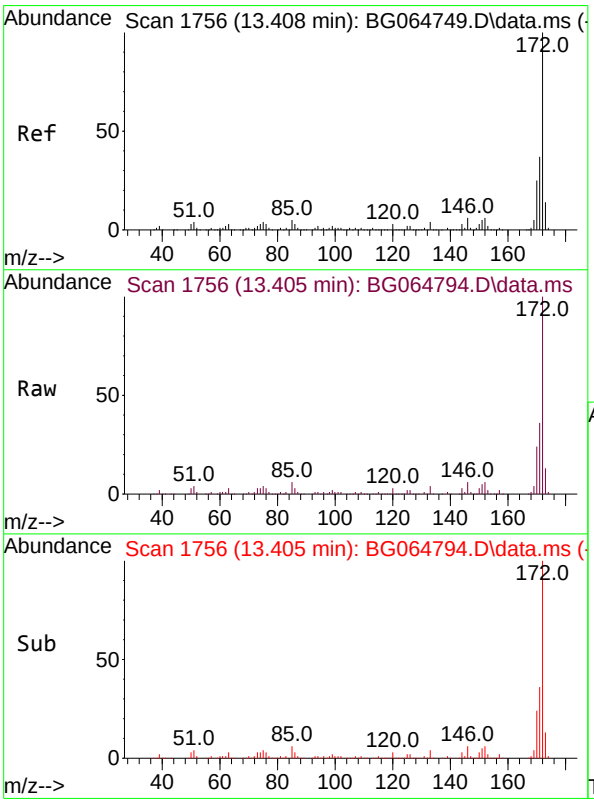
#42
2,4,6-Tribromophenol
Concen: 37.217 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:330 Resp: 76928

Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	22.5	18.2	27.2

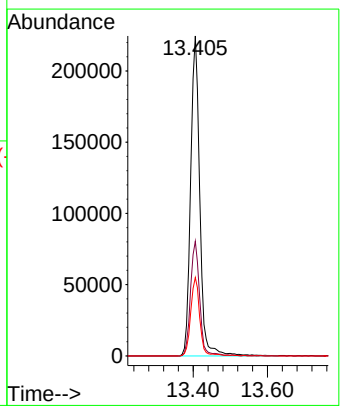


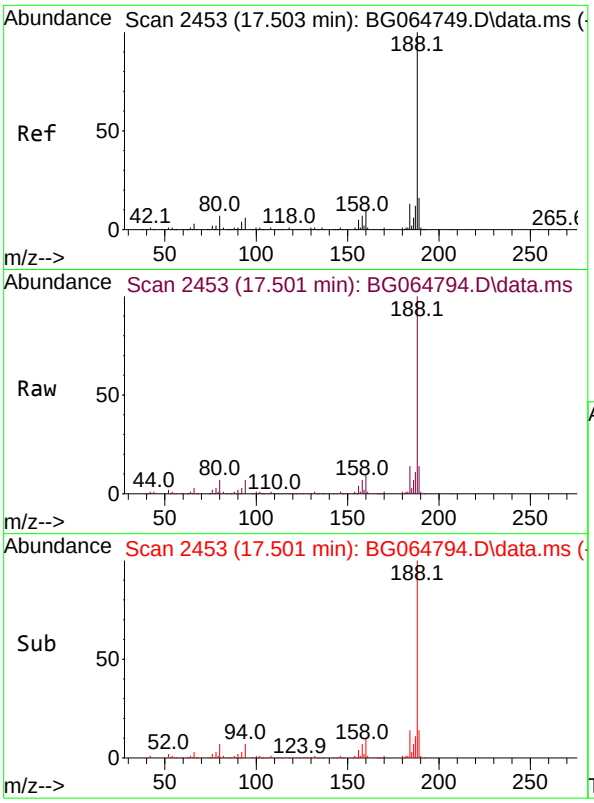


#45
2-Fluorobiphenyl
Concen: 50.542 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:172 Resp: 383889

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.5	19.8	29.6



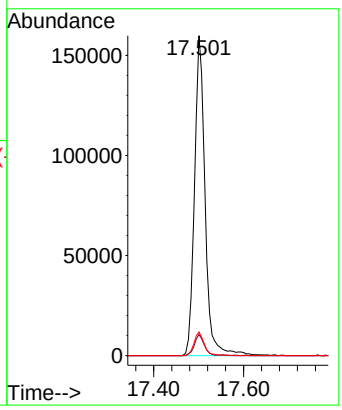


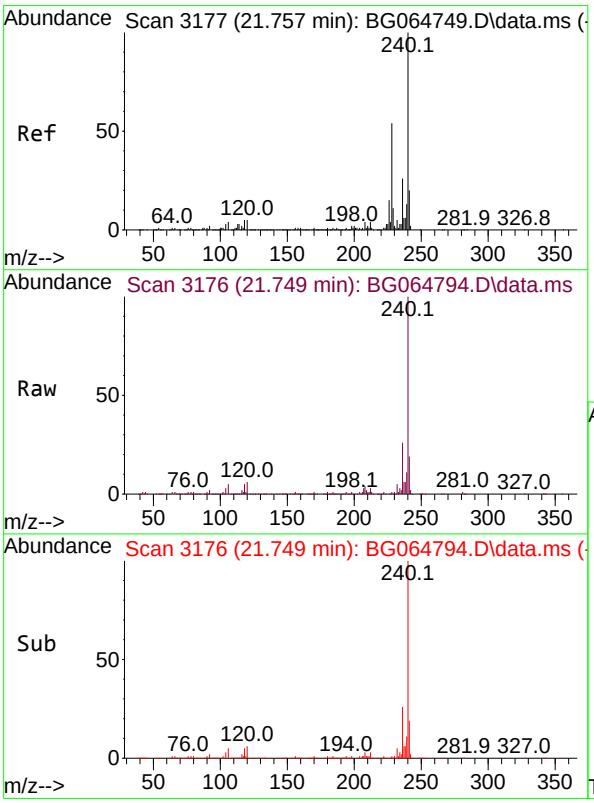
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:188 Resp: 261717

Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.7	7.1
80	7.4	5.4	8.2

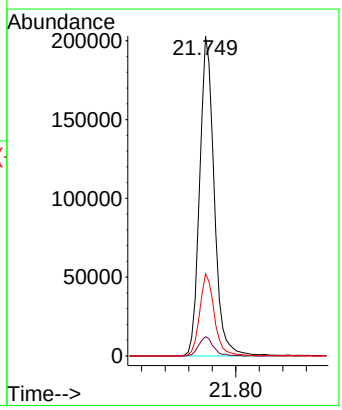


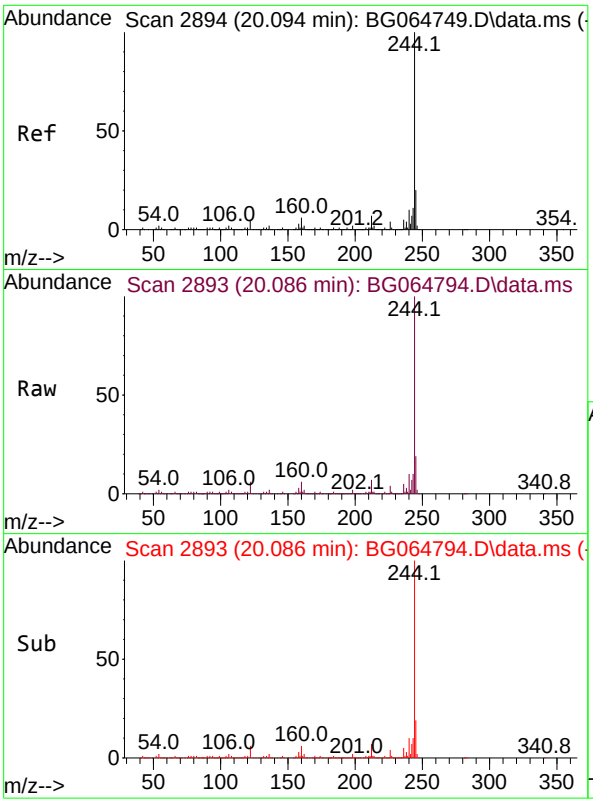


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:240 Resp: 348460

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	25.6	20.8	31.2



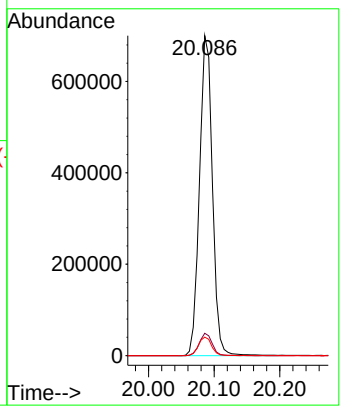


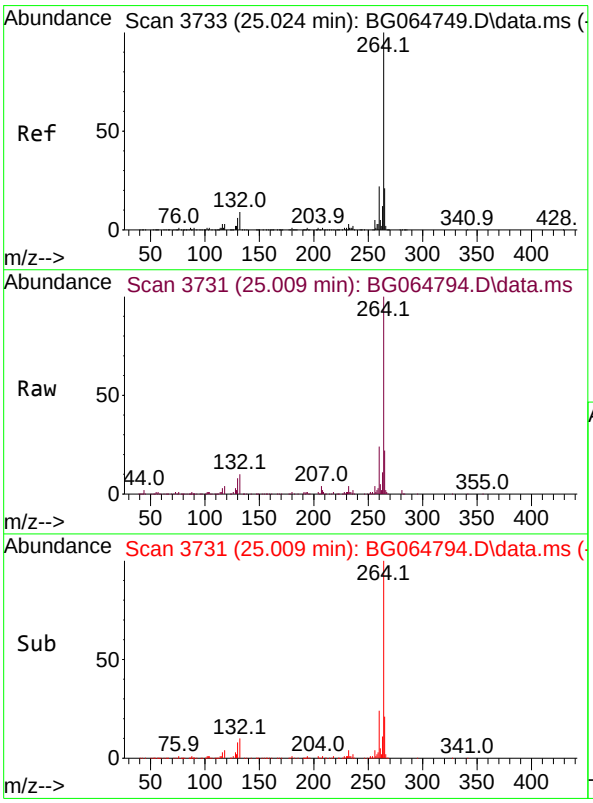
#79
Terphenyl-d14
Concen: 53.698 ng
RT: 20.086 min Scan# 28
Delta R.T. -0.009 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Tgt Ion:244 Resp: 951230

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.8	4.3	6.5

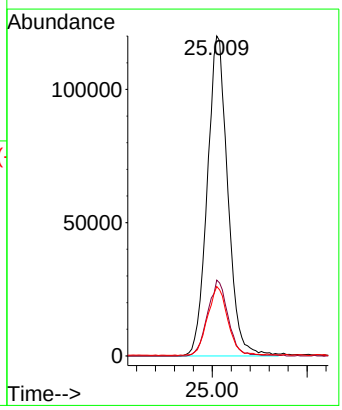




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.014 min
Lab File: BG064794.D
Acq: 17 Nov 2025 21:28

Tgt Ion:264 Resp: 360076

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.2	25.8
265	21.7	16.6	25.0



Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.135	3	8	17	rBV2	22553	54514	2.35%	0.561%
2	3.217	17	22	39	rVB	338655	595669	25.65%	6.133%
3	5.221	355	363	372	rBV	35511	56515	2.43%	0.582%
4	5.703	438	445	459	rBV	291265	493051	21.23%	5.076%
5	7.307	708	718	731	rBV	342665	629308	27.10%	6.479%
6	8.164	857	864	871	rBV	118749	208732	8.99%	2.149%
7	9.322	1053	1061	1072	rBV	209050	402586	17.34%	4.145%
8	10.979	1334	1343	1356	rBV	145212	288858	12.44%	2.974%
9	13.405	1748	1756	1770	rBV	637618	1068149	46.00%	10.997%
10	14.774	1982	1989	1999	rBV	252702	425253	18.31%	4.378%
11	16.114	2210	2217	2224	rBV	64357	105785	4.56%	1.089%
12	16.249	2233	2240	2250	rBV	281169	483723	20.83%	4.980%
13	17.501	2446	2453	2465	rBV2	367991	593602	25.56%	6.111%
14	17.865	2510	2515	2525	rBV4	12619	25554	1.10%	0.263%
15	18.376	2596	2602	2607	rBV5	15929	29018	1.25%	0.299%
16	19.898	2856	2861	2872	rBV	36991	69628	3.00%	0.717%
17	20.086	2887	2893	2903	rBV	1715755	2322080	100.00%	23.907%
18	21.384	3109	3114	3119	rBV2	59348	97977	4.22%	1.009%
19	21.749	3170	3176	3191	rVB2	497375	875809	37.72%	9.017%
20	23.464	3463	3468	3473	rVB5	15934	32096	1.38%	0.330%
21	25.009	3721	3731	3747	rVB	285022	855063	36.82%	8.803%

Sum of corrected areas: 9712970

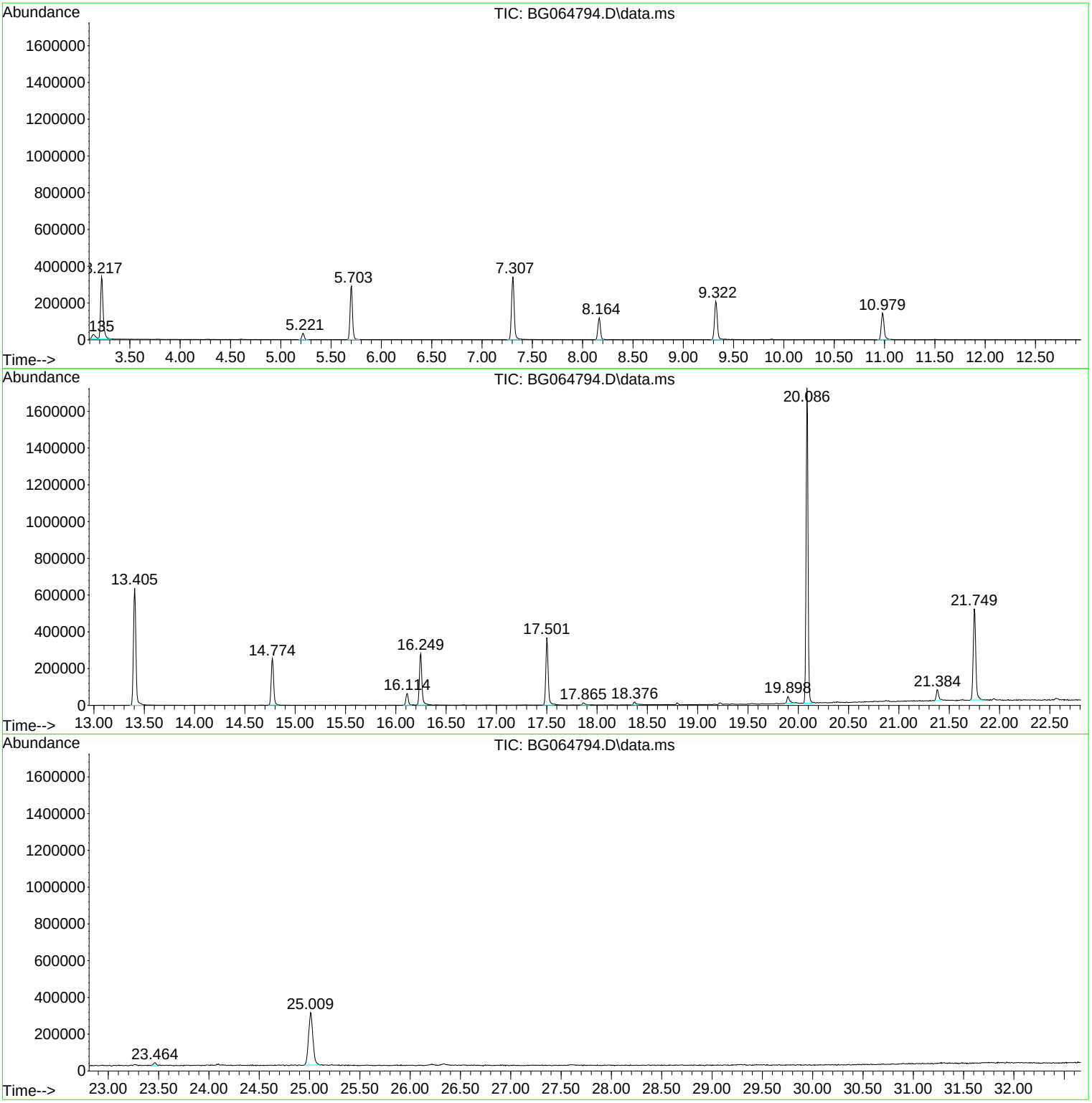
Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

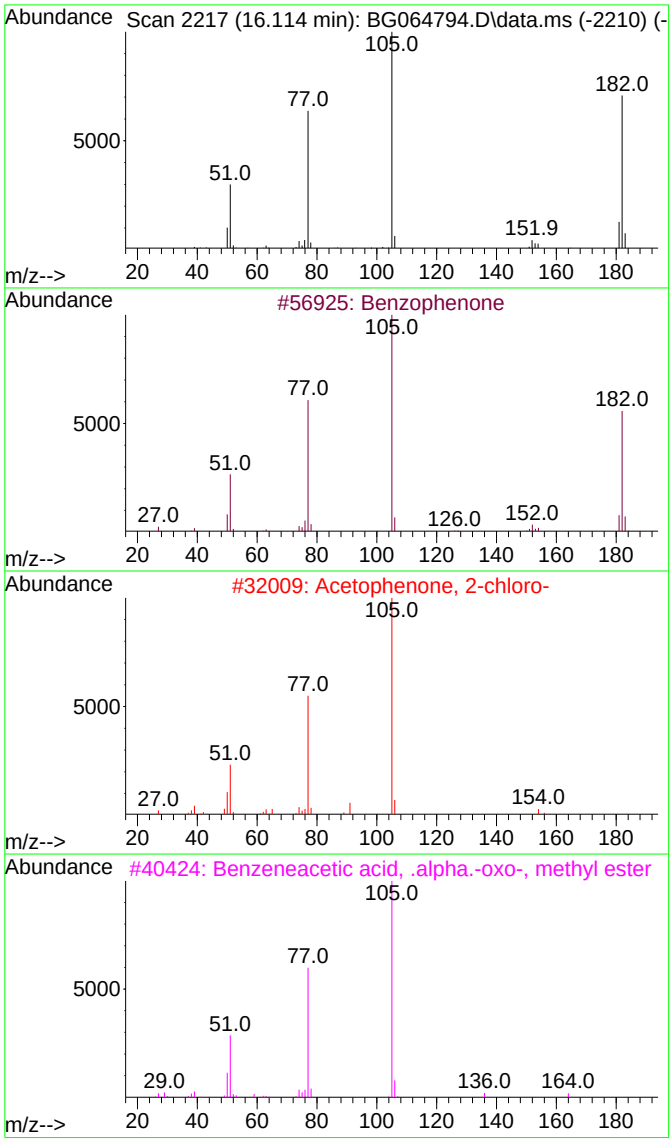
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

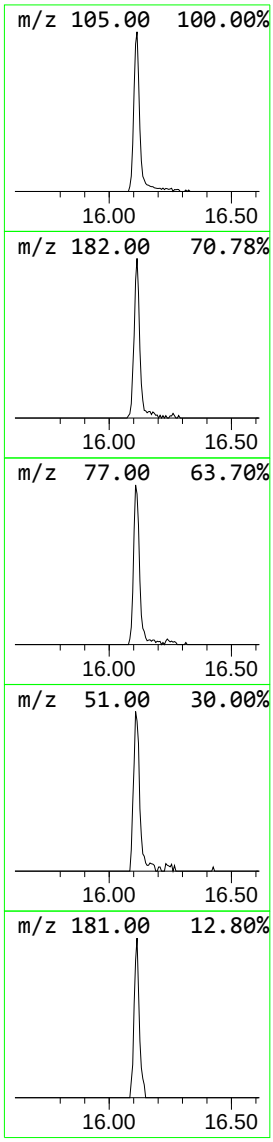
****

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.114	4.98 ng	105785	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
4	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

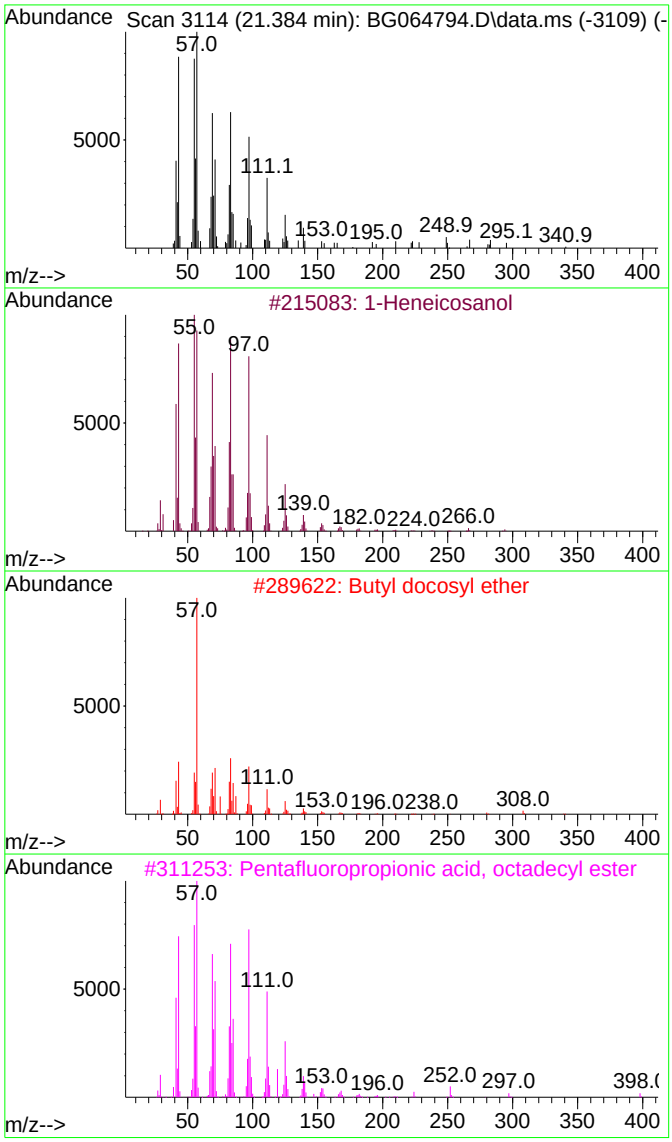
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

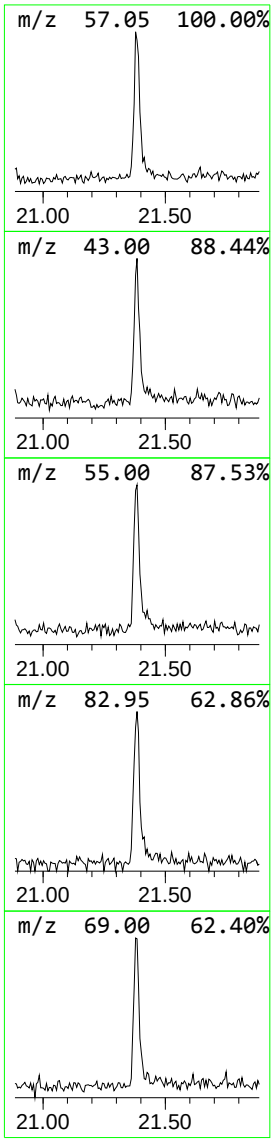
****

Peak Number 5 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	2.24 ng	97977	Chrysene-d12	21.749

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Butyl docosyl ether	382	C26H54O	1000406-40-8	91
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	91
5	Octacosanol	410	C28H58O	000557-61-9	90





Sample Results: **BG064794.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064794.D
Acq On : 17 Nov 2025 21:28
Operator : RC/JU
Sample : Q3649-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B5-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.114	5.0	ng	105785	3	14.774	425253	20.0
1-Heneicosanol	21.384	2.2	ng	97977	5	21.749	875809	20.0

Raw Data: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 17:28	PB170576
108-95-2	Phenol	25.5	U	1	25.5	200	ug/Kg	11/17/25 17:28	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.0	U	1	28.0	200	ug/Kg	11/17/25 17:28	PB170576
95-57-8	2-Chlorophenol	28.1	U	1	28.1	200	ug/Kg	11/17/25 17:28	PB170576
95-48-7	2-Methylphenol	34.5	U	1	34.5	200	ug/Kg	11/17/25 17:28	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.2	U	1	43.2	200	ug/Kg	11/17/25 17:28	PB170576
98-86-2	Acetophenone	34.0	U	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
65794-96-9	3+4-Methylphenols	47.4	U	1	47.4	380	ug/Kg	11/17/25 17:28	PB170576
621-64-7	n-Nitroso-di-n-propylamine	54.6	U	1	54.6	92.2	ug/Kg	11/17/25 17:28	PB170576
67-72-1	Hexachloroethane	20.3	U	1	20.3	200	ug/Kg	11/17/25 17:28	PB170576
98-95-3	Nitrobenzene	21.1	U	1	21.1	200	ug/Kg	11/17/25 17:28	PB170576
78-59-1	Isophorone	37.8	U	1	37.8	200	ug/Kg	11/17/25 17:28	PB170576
88-75-5	2-Nitrophenol	67.1	U	1	67.1	200	ug/Kg	11/17/25 17:28	PB170576
105-67-9	2,4-Dimethylphenol	74.7	U	1	74.7	200	ug/Kg	11/17/25 17:28	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	1	35.5	200	ug/Kg	11/17/25 17:28	PB170576
120-83-2	2,4-Dichlorophenol	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
91-20-3	Naphthalene	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
106-47-8	4-Chloroaniline	40.8	UQ	1	40.8	200	ug/Kg	11/17/25 17:28	PB170576
87-68-3	Hexachlorobutadiene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
105-60-2	Caprolactam	60.1	U	1	60.1	380	ug/Kg	11/17/25 17:28	PB170576
59-50-7	4-Chloro-3-methylphenol	33.1	U	1	33.1	200	ug/Kg	11/17/25 17:28	PB170576
91-57-6	2-Methylnaphthalene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 17:28	PB170576
88-06-2	2,4,6-Trichlorophenol	22.8	U	1	22.8	200	ug/Kg	11/17/25 17:28	PB170576
95-95-4	2,4,5-Trichlorophenol	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
92-52-4	1,1-Biphenyl	25.1	U	1	25.1	200	ug/Kg	11/17/25 17:28	PB170576
91-58-7	2-Chloronaphthalene	25.9	U	1	25.9	200	ug/Kg	11/17/25 17:28	PB170576
88-74-4	2-Nitroaniline	55.4	U	1	55.4	200	ug/Kg	11/17/25 17:28	PB170576
131-11-3	Dimethylphthalate	31.2	U	1	31.2	200	ug/Kg	11/17/25 17:28	PB170576
208-96-8	Acenaphthylene	33.3	U	1	33.3	200	ug/Kg	11/17/25 17:28	PB170576
606-20-2	2,6-Dinitrotoluene	38.7	U	1	38.7	200	ug/Kg	11/17/25 17:28	PB170576
99-09-2	3-Nitroaniline	53.0	UQ	1	53.0	200	ug/Kg	11/17/25 17:28	PB170576
83-32-9	Acenaphthene	24.6	U	1	24.6	200	ug/Kg	11/17/25 17:28	PB170576
51-28-5	2,4-Dinitrophenol	260	U	1	260	380	ug/Kg	11/17/25 17:28	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576
132-64-9	Dibenzofuran	26.2	U	1	26.2	200	ug/Kg	11/17/25 17:28	PB170576
121-14-2	2,4-Dinitrotoluene	57.7	U	1	57.7	200	ug/Kg	11/17/25 17:28	PB170576
84-66-2	Diethylphthalate	32.6	U	1	32.6	200	ug/Kg	11/17/25 17:28	PB170576
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	1	30.8	200	ug/Kg	11/17/25 17:28	PB170576
86-73-7	Fluorene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
100-01-6	4-Nitroaniline	74.0	U	1	74.0	200	ug/Kg	11/17/25 17:28	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 17:28	PB170576

Raw Data: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-03	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	37.9	U	1	37.9	200	ug/Kg	11/17/25 17:28	PB170576
101-55-3	4-Bromophenyl-phenylether	32.0	U	1	32.0	200	ug/Kg	11/17/25 17:28	PB170576
118-74-1	Hexachlorobenzene	29.2	U	1	29.2	200	ug/Kg	11/17/25 17:28	PB170576
1912-24-9	Atrazine	39.2	U	1	39.2	200	ug/Kg	11/17/25 17:28	PB170576
87-86-5	Pentachlorophenol	59.1	U	1	59.1	380	ug/Kg	11/17/25 17:28	PB170576
85-01-8	Phenanthrene	230		1	24.1	200	ug/Kg	11/17/25 17:28	PB170576
120-12-7	Anthracene	38.4	U	1	38.4	200	ug/Kg	11/17/25 17:28	PB170576
86-74-8	Carbazole	36.0	U	1	36.0	200	ug/Kg	11/17/25 17:28	PB170576
84-74-2	Di-n-butylphthalate	55.2	U	1	55.2	200	ug/Kg	11/17/25 17:28	PB170576
206-44-0	Fluoranthene	400		1	34.6	200	ug/Kg	11/17/25 17:28	PB170576
129-00-0	Pyrene	280		1	41.5	200	ug/Kg	11/17/25 17:28	PB170576
85-68-7	Butylbenzylphthalate	82.3	U	1	82.3	200	ug/Kg	11/17/25 17:28	PB170576
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	1	42.3	380	ug/Kg	11/17/25 17:28	PB170576
56-55-3	Benzo(a)anthracene	180	J	1	26.5	200	ug/Kg	11/17/25 17:28	PB170576
218-01-9	Chrysene	200		1	22.9	200	ug/Kg	11/17/25 17:28	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	1	68.2	200	ug/Kg	11/17/25 17:28	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 17:28	PB170576
205-99-2	Benzo(b)fluoranthene	260		1	21.9	200	ug/Kg	11/17/25 17:28	PB170576
207-08-9	Benzo(k)fluoranthene	100	J	1	25.8	200	ug/Kg	11/17/25 17:28	PB170576
50-32-8	Benzo(a)pyrene	170	J	1	34.0	200	ug/Kg	11/17/25 17:28	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	1	33.5	200	ug/Kg	11/17/25 17:28	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
191-24-2	Benzo(g,h,i)perylene	90.6	J	1	29.6	200	ug/Kg	11/17/25 17:28	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	1	29.5	200	ug/Kg	11/17/25 17:28	PB170576
123-91-1	1,4-Dioxane	52.1	U	1	52.1	200	ug/Kg	11/17/25 17:28	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	1	31.6	200	ug/Kg	11/17/25 17:28	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	65.4			30 (10) - 130 (105)	44%	SPK: 150		
13127-88-3	Phenol-d6	63.5			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	45.2			30 (10) - 130 (108)	45%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.3			30 (10) - 130 (108)	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.0			30 (10) - 130 (116)	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.4			30 (10) - 130 (109)	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	54900							
1146-65-2	Naphthalene-d8	198000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	160000							
1719-03-5	Chrysene-d12	127000							
1520-96-3	Perylene-d12	117000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	160	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	240	J			11.9	ug/Kg		

Raw Data: **BF144272.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	DUPE-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-03			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86.5
Sample Wt/Vol:	30.09 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	120	J			15.4	ug/Kg		

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: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	54942	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	197870	20.000	ng		0.00
39) Acenaphthene-d10	9.904	164	98301	20.000	ng		-0.01
64) Phenanthrene-d10	11.398	188	159918	20.000	ng		0.00
76) Chrysene-d12	14.045	240	126617	20.000	ng		0.00
86) Perylene-d12	15.527	264	116785	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	229673	65.416	ng		0.00
7) Phenol-d6	6.498	99	252538	63.481	ng		0.00
23) Nitrobenzene-d5	7.428	82	154937	45.224	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	71557	58.008	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	321411	48.291	ng		0.00
79) Terphenyl-d14	12.986	244	306084	38.398	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.422	178	48193	6.053	ng		99
75) Fluoranthene	12.616	202	84892	10.321	ng		98
78) Pyrene	12.845	202	75242	7.370	ng		99
81) Benzo(a)anthracene	14.033	228	41490	4.728	ng		95
83) Chrysene	14.068	228	41260	5.093	ng		95
84) Bis(2-ethylhexyl)phtha...	14.015	149	13645	2.817	ng		100
88) Benzo(b)fluoranthene	15.092	252	45766m	6.893	ng		
89) Benzo(k)fluoranthene	15.110	252	16564m	2.665	ng		
90) Benzo(a)pyrene	15.462	252	26697	4.359	ng	#	91
92) Benzo(g,h,i)perylene	17.480	276	15681	2.359	ng		96

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

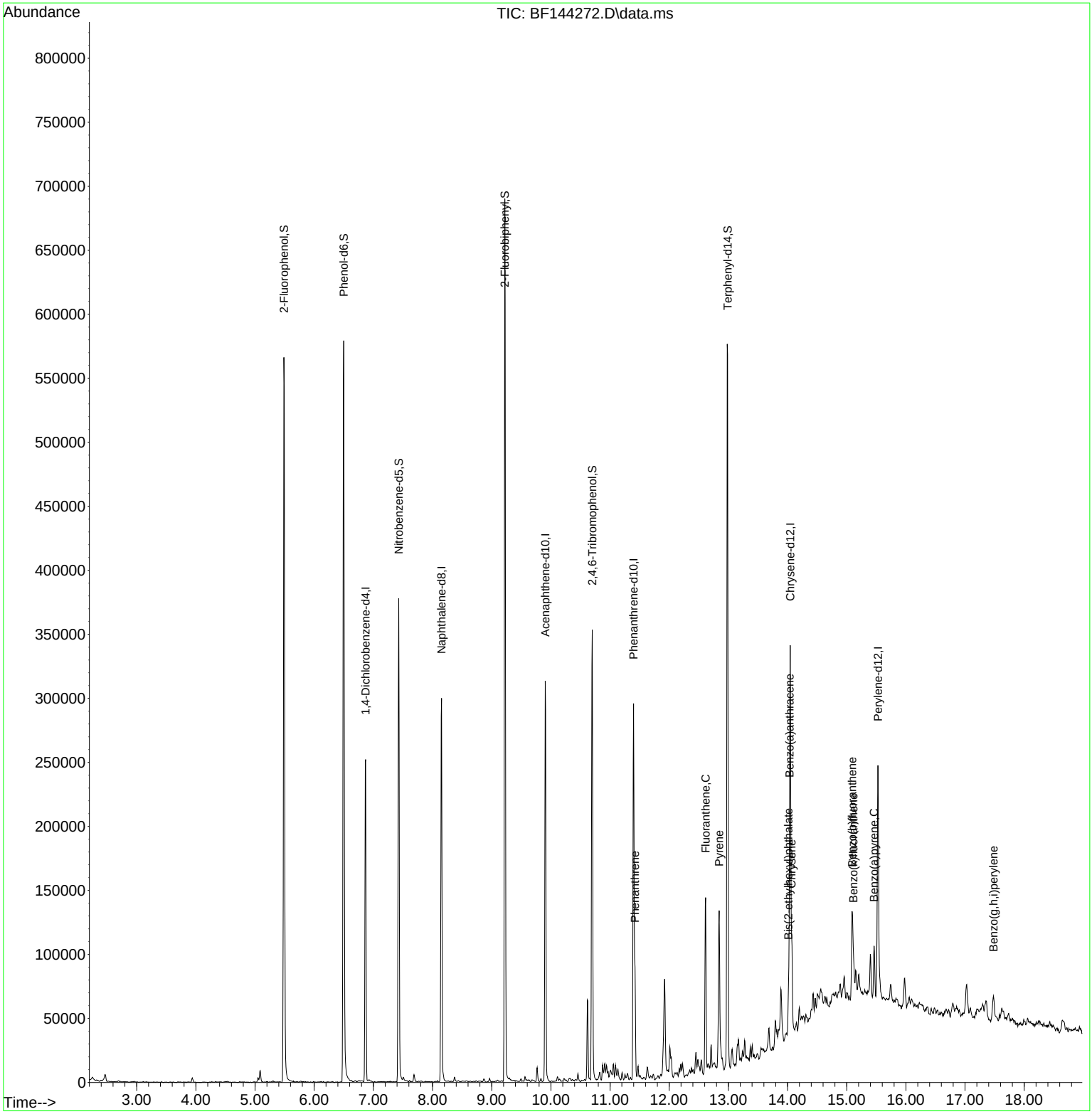
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

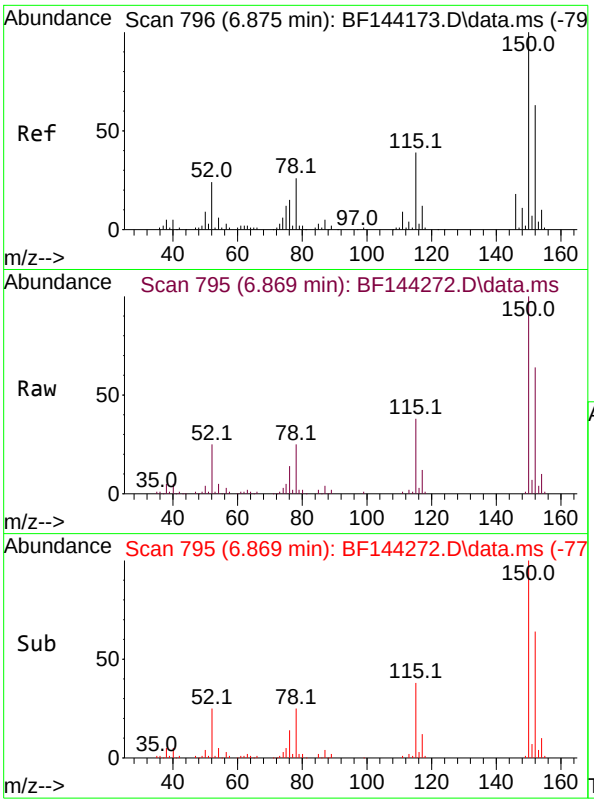
Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

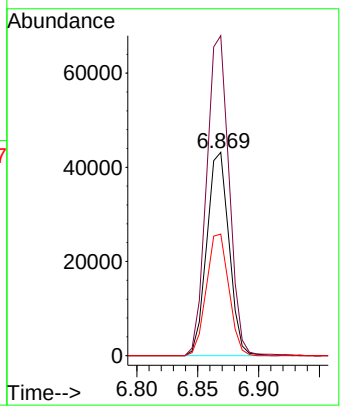




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:152 Resp: 5494

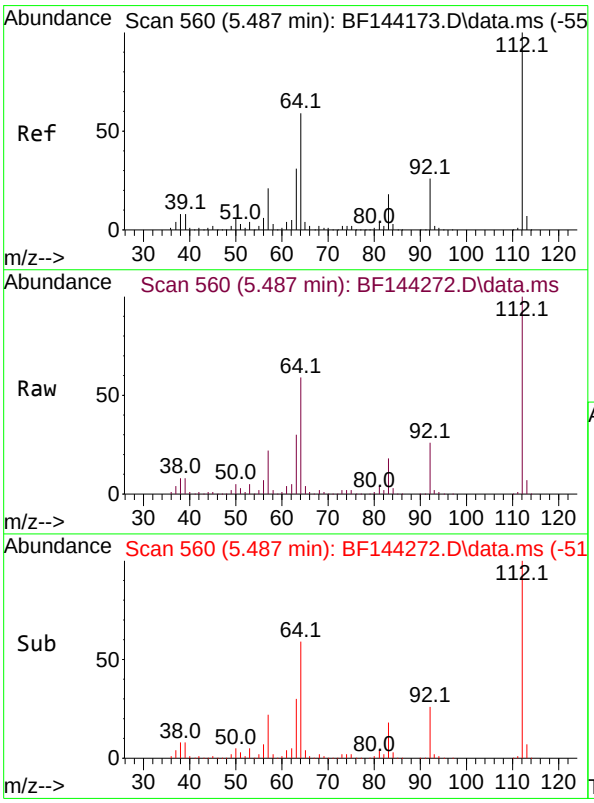
Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.4	191.0
115	59.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

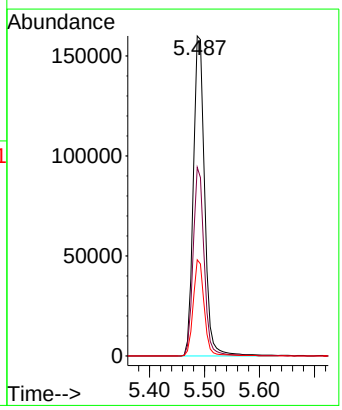
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

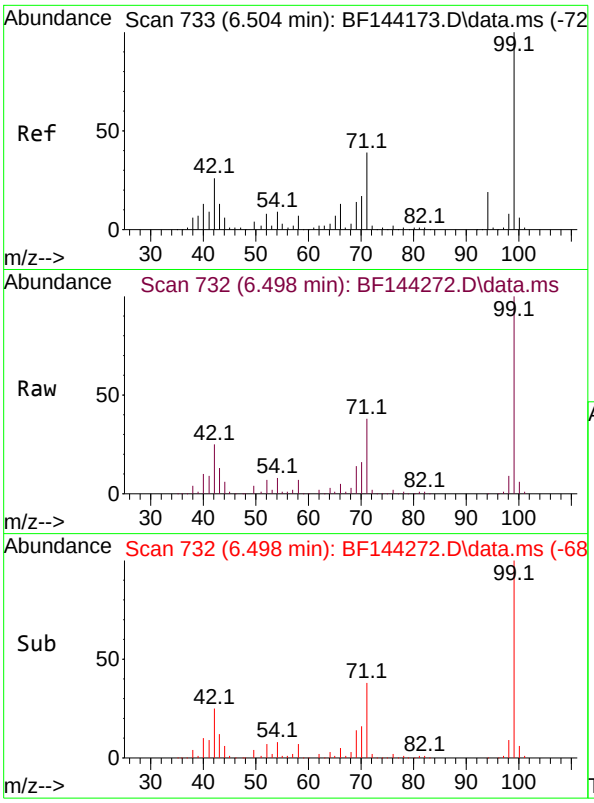


#5
2-Fluorophenol
Concen: 65.416 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:112 Resp: 229673

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.2	70.8
63	30.0	24.4	36.6

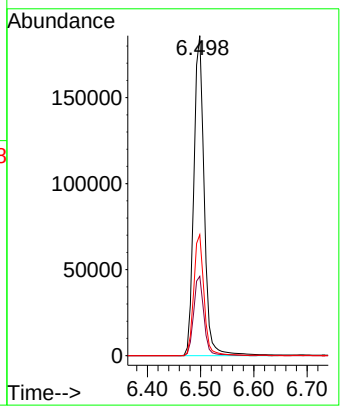




#7
Phenol-d6
Concen: 63.481 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 99 Resp: 25253

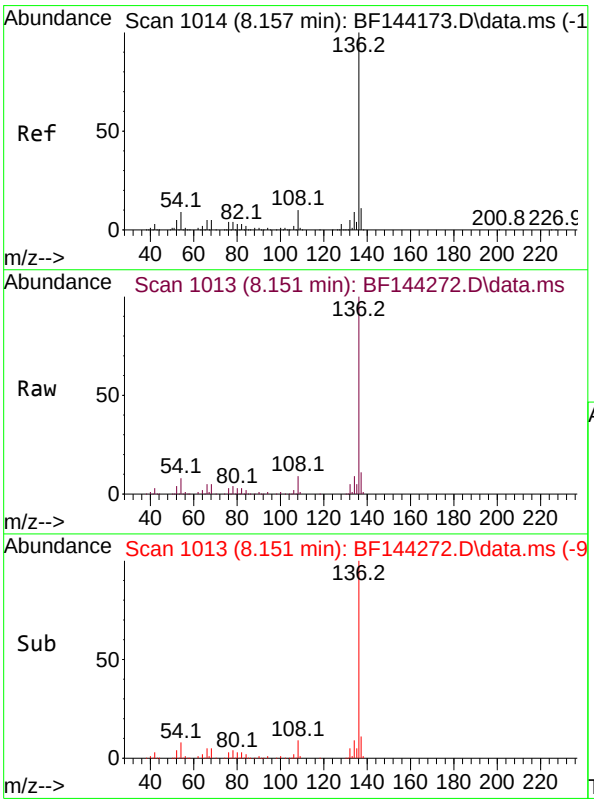
Ion	Ratio	Lower	Upper
99	100		
42	24.8	20.9	31.3
71	37.8	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

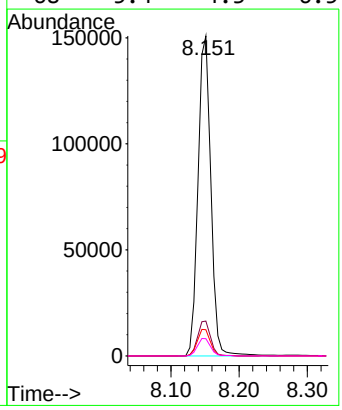
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

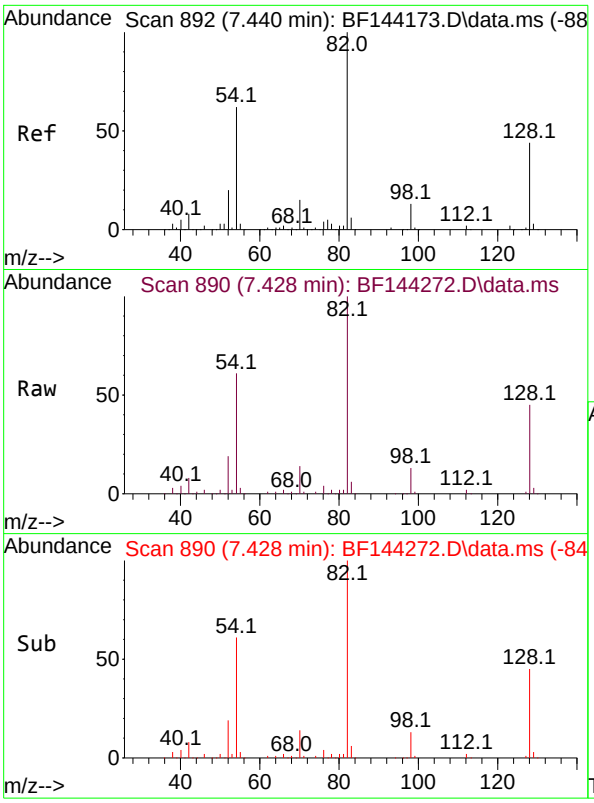


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:136 Resp: 197870

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.6
68	5.4	4.3	6.5

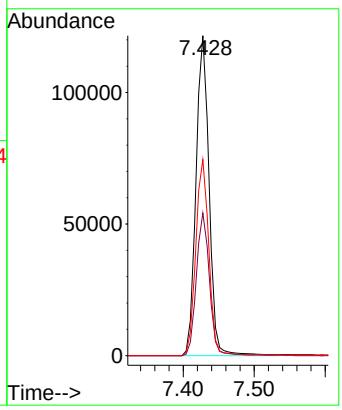




#23
Nitrobenzene-d5
Concen: 45.224 ng
RT: 7.428 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion: 82 Resp: 15493

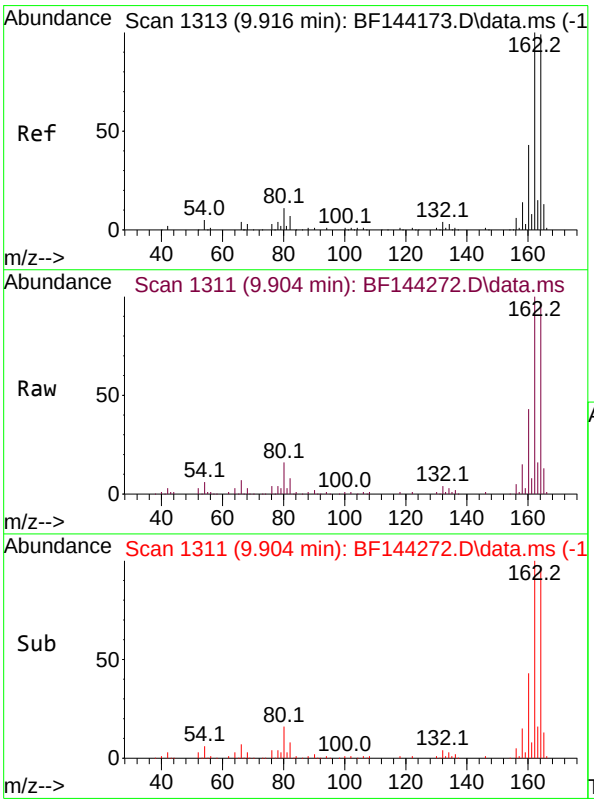
Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.7	52.1
54	61.3	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

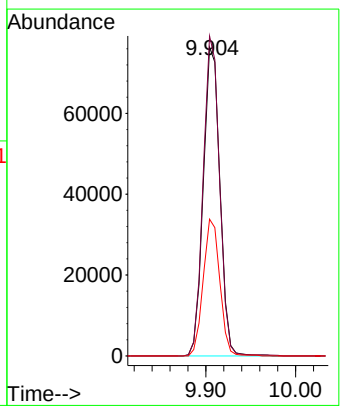
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

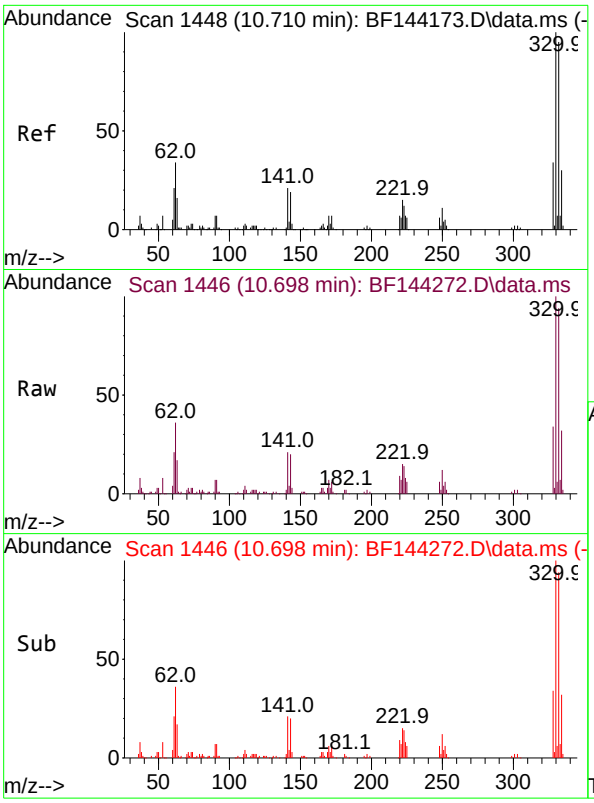


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:164 Resp: 98301

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.1	121.7
160	44.3	34.5	51.7

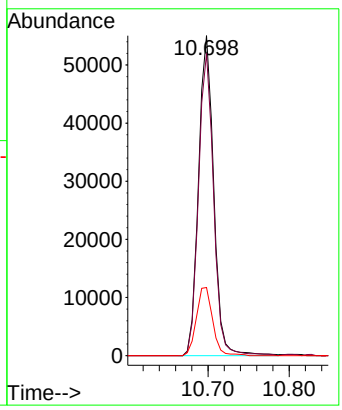




#42
2,4,6-Tribromophenol
Concen: 58.008 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:330 Resp: 7155

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.7	115.1
141	22.7	17.8	26.8



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
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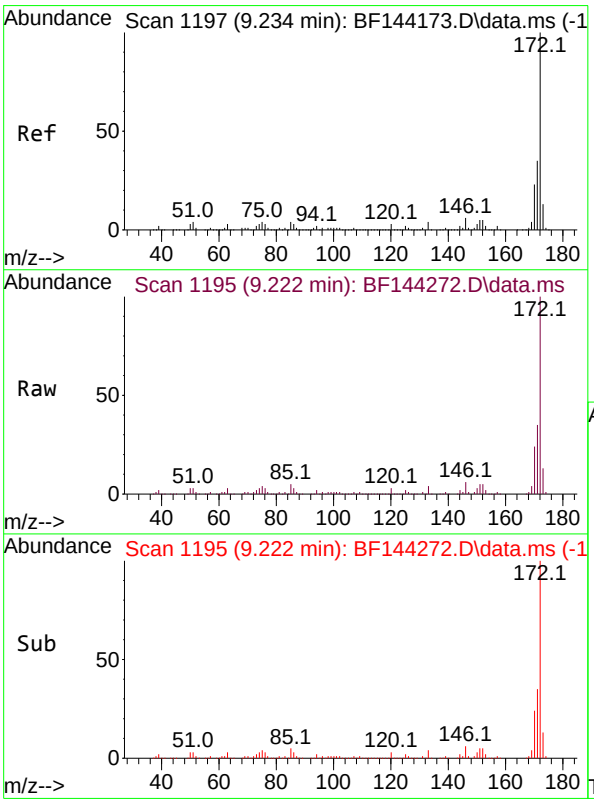
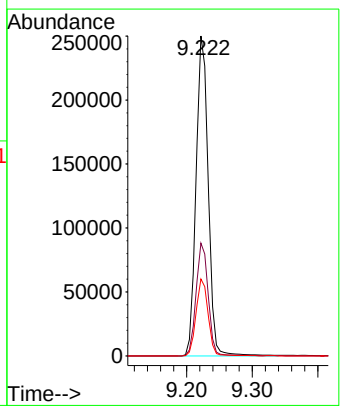
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

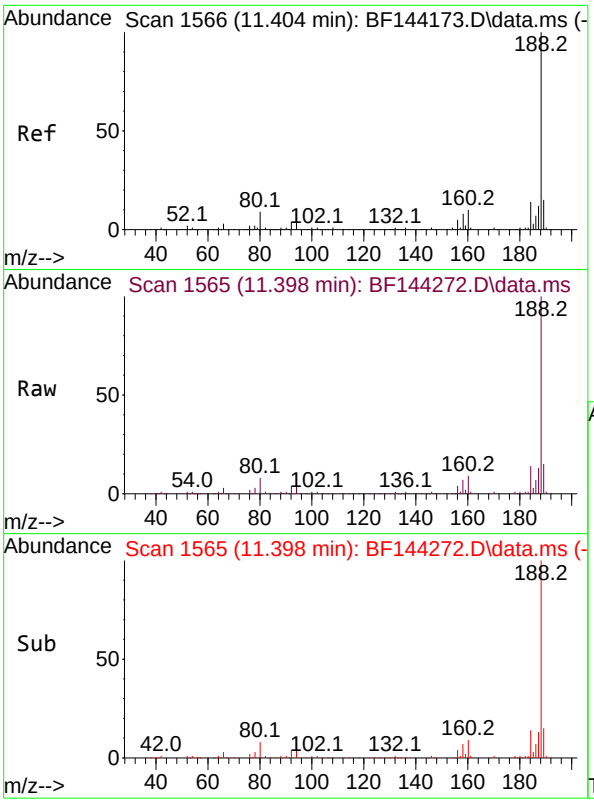


#45
2-Fluorobiphenyl
Concen: 48.291 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:172 Resp: 321411

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	24.1	18.6	28.0

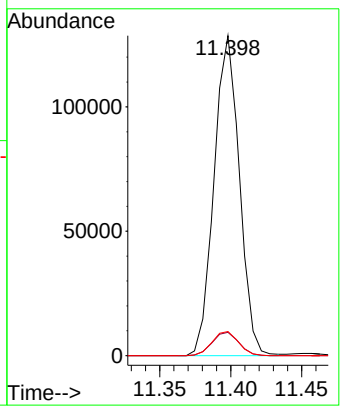




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:188 Resp: 15991

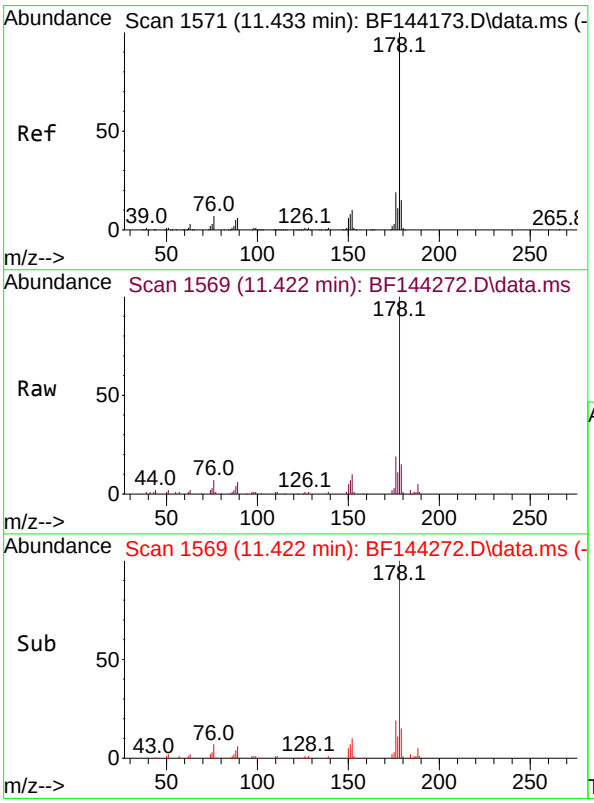
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.5	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
APPROVED

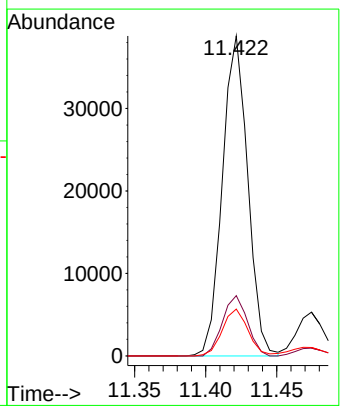
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

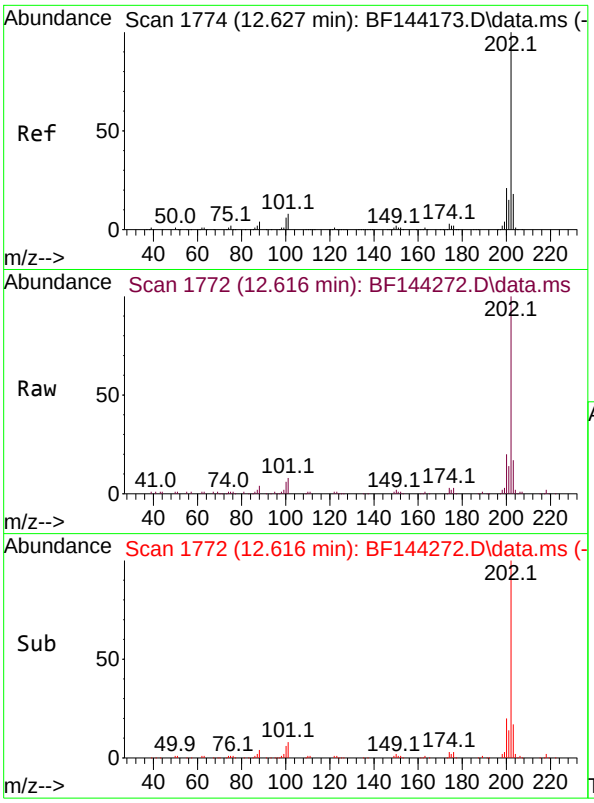


#71
Phenanthrene
Concen: 6.053 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:178 Resp: 48193

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	14.6	12.2	18.4

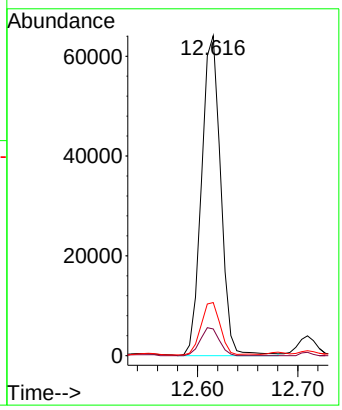




#75
Fluoranthene
Concen: 10.321 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 8489

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	27.9
203	16.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
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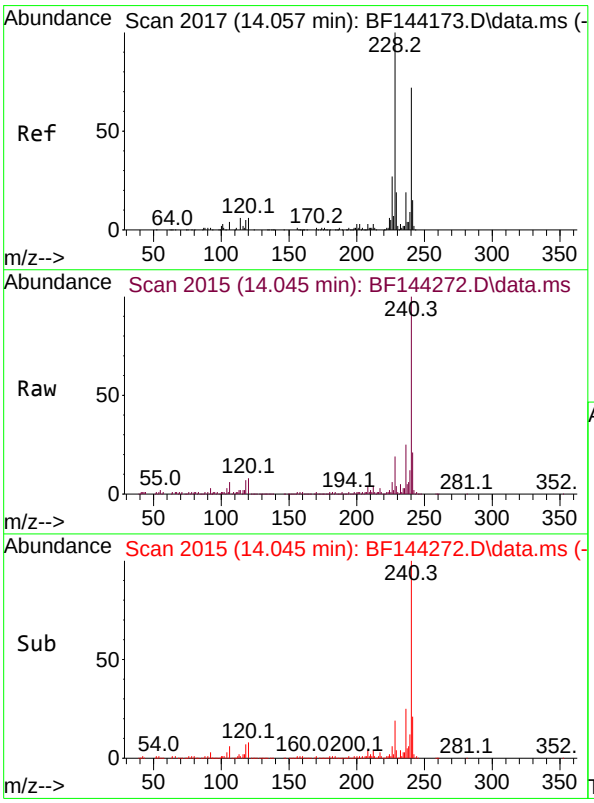
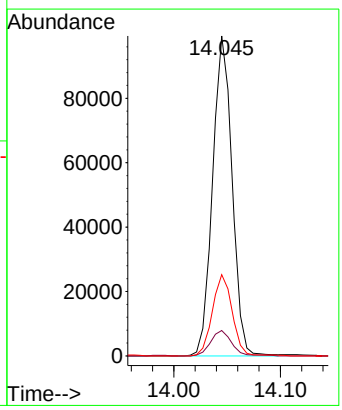
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

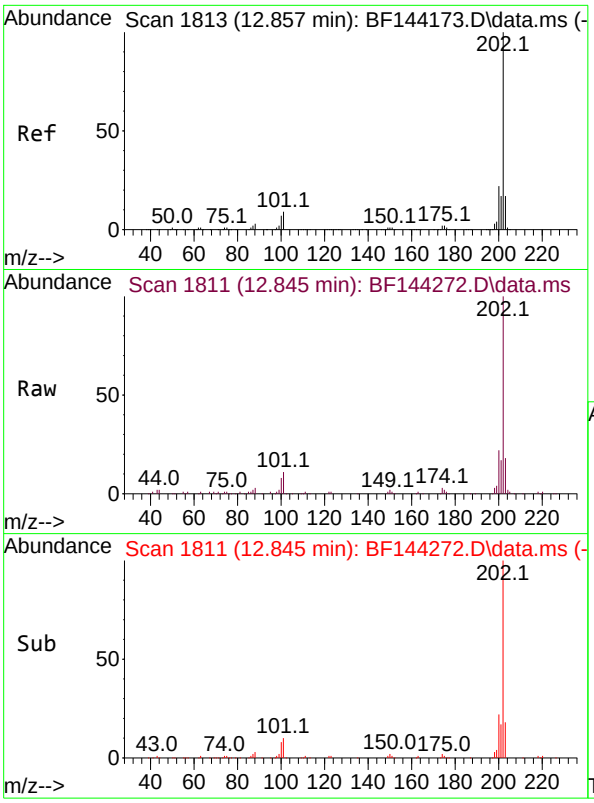


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:240 Resp: 126617

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.6	10.0
236	25.4	21.4	32.2

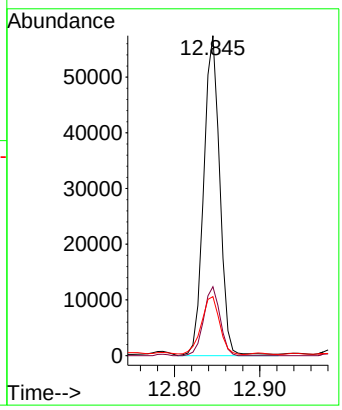




#78
Pyrene
Concen: 7.370 ng
RT: 12.845 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:202 Resp: 7524

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.4	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
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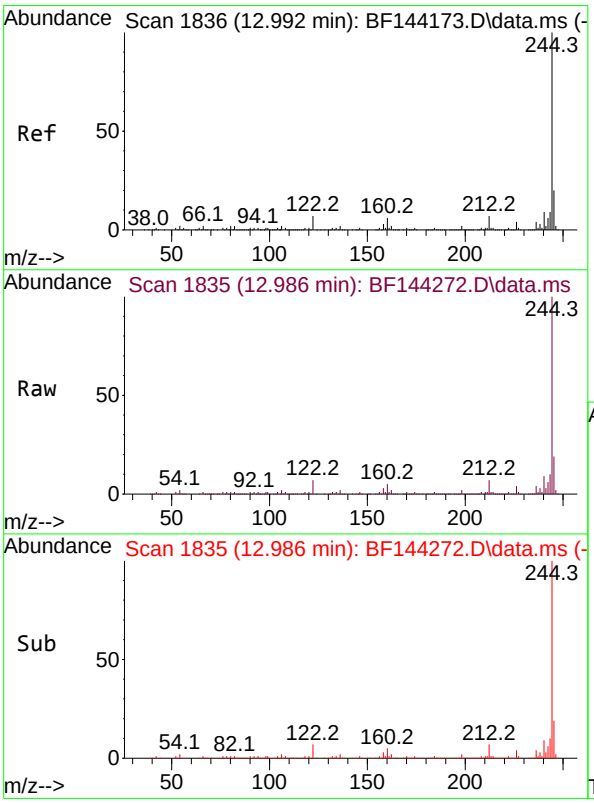
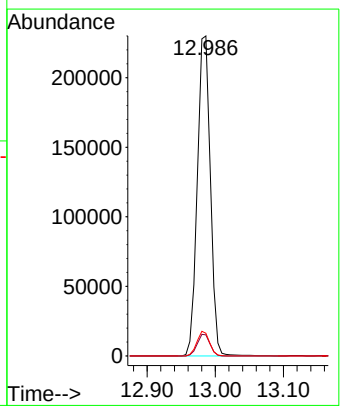
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

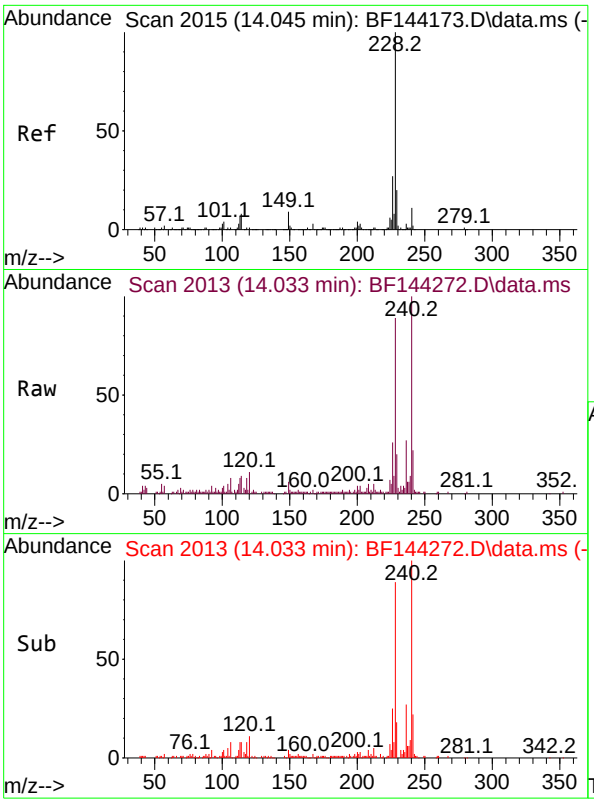


#79
Terphenyl-d14
Concen: 38.398 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:244 Resp: 306084

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.1	5.6	8.4

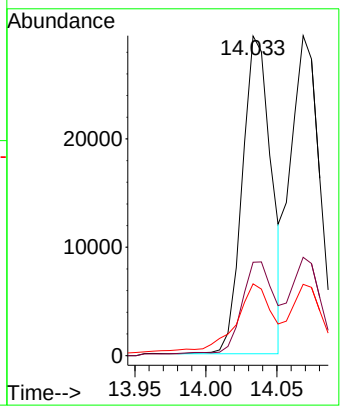




#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 4149

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	22.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Manual Integrations
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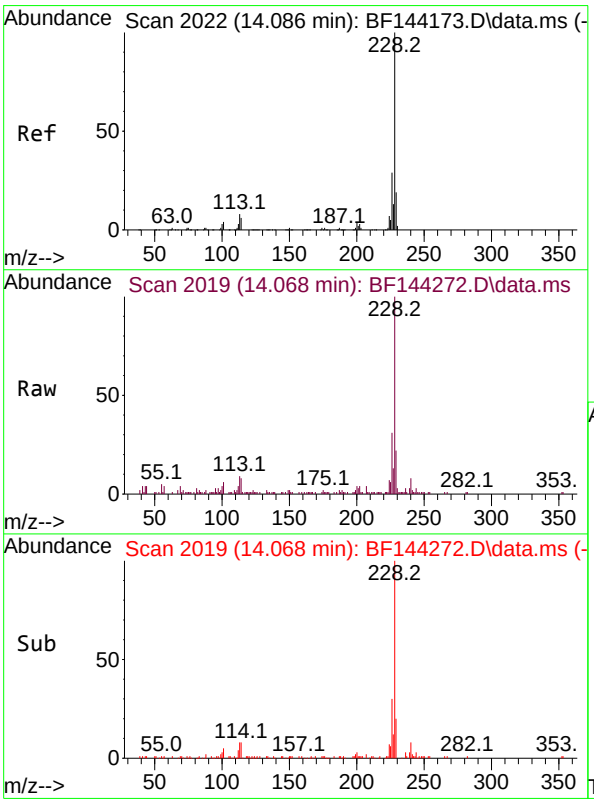
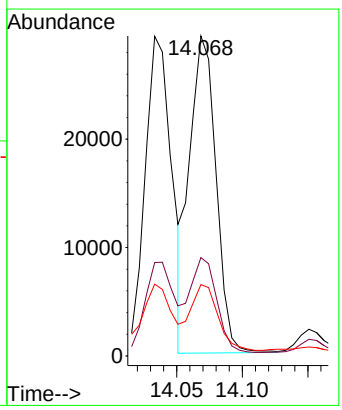
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

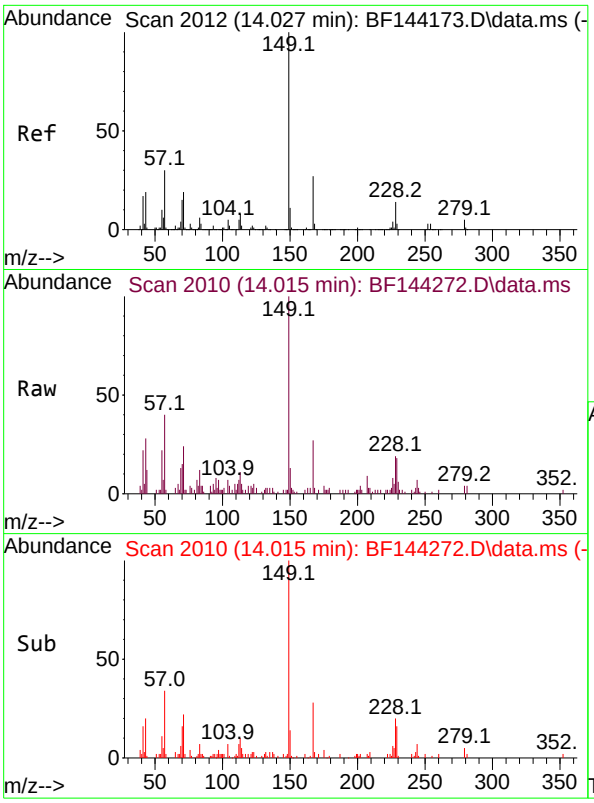


#83
Chrysene
Concen: 5.093 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 41260

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.9	34.3
229	22.3	15.0	22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.817 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Tgt Ion:149 Resp: 1364

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.8	32.8
279	4.5	3.7	5.5

Manual Integrations
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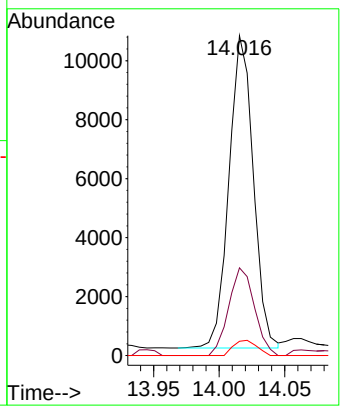
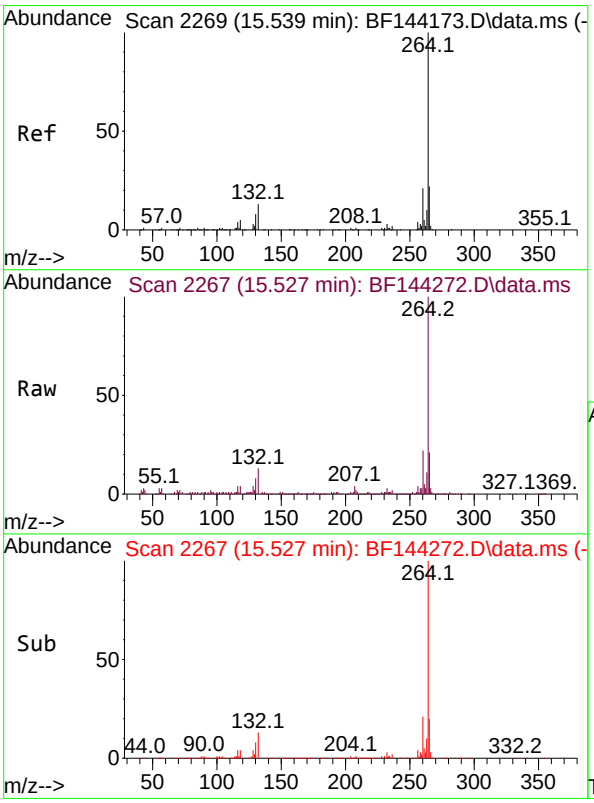
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

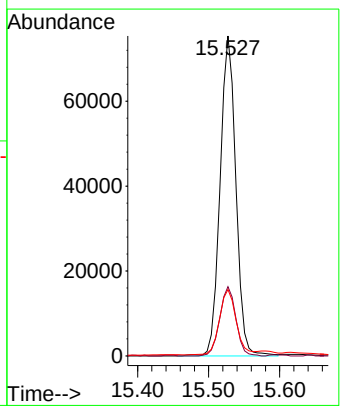


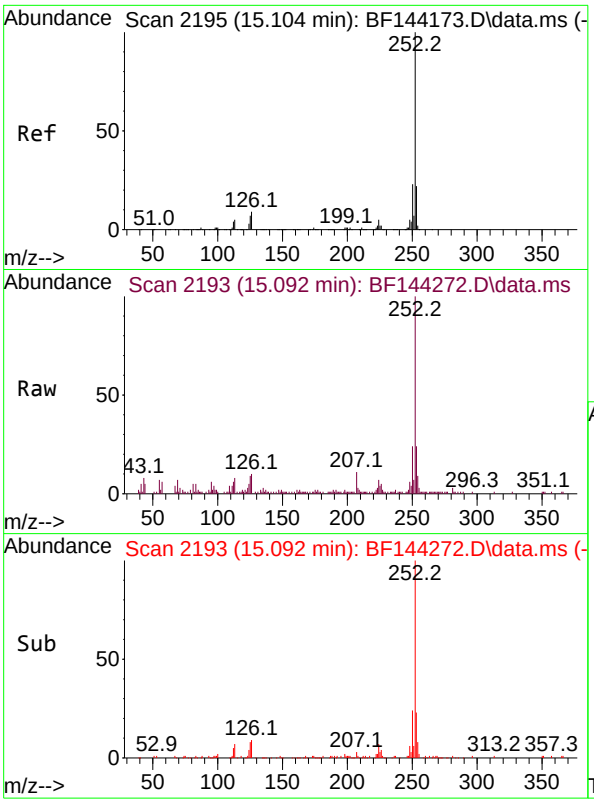


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:264 Resp: 116785

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	20.7	17.4	26.0

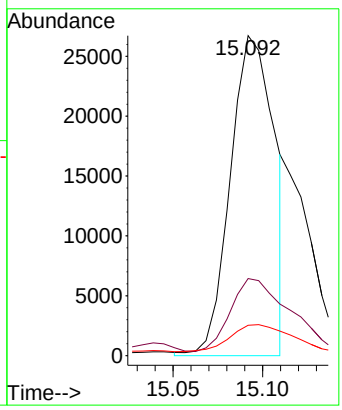




#88
Benzo(b)fluoranthene
Concen: 6.893 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 4576

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	9.5	5.3	7.9#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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Reviewed By :Jagrut Upadhyay 11/18/2025
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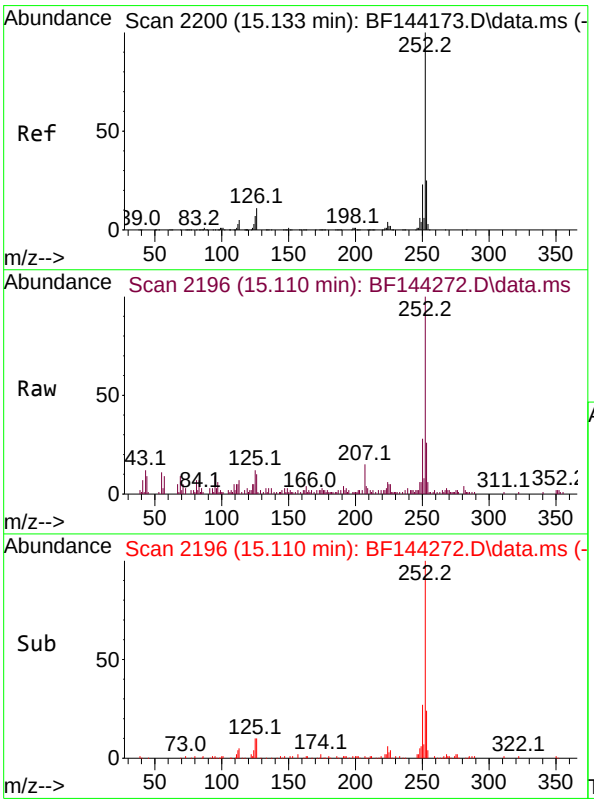
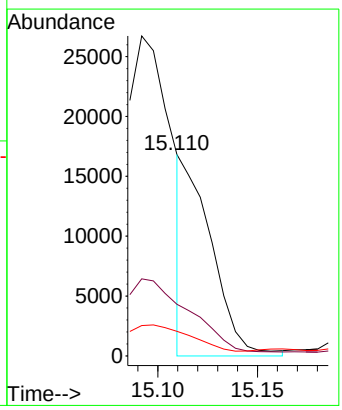
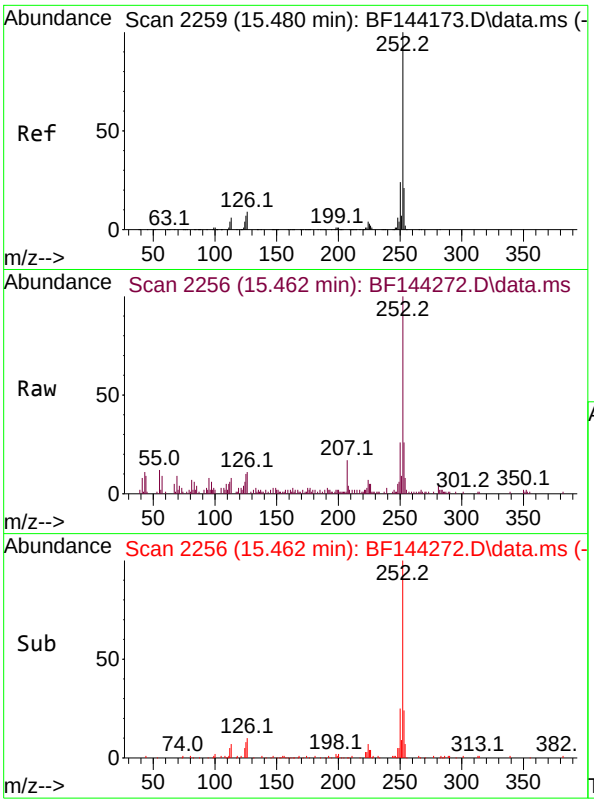


#89
Benzo(k)fluoranthene
Concen: 2.665 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 16564

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	12.2	5.4	8.2#

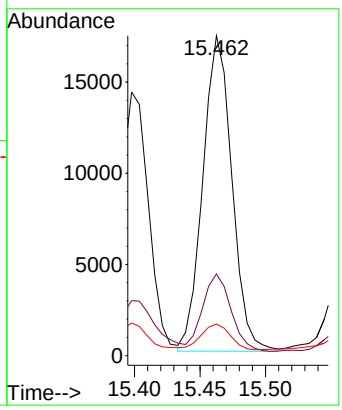




#90
Benzo(a)pyrene
Concen: 4.359 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 2669

Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.7	25.1#
125	9.9	5.7	8.5#



Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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Reviewed By :Jagrut Upadhyay 11/18/2025
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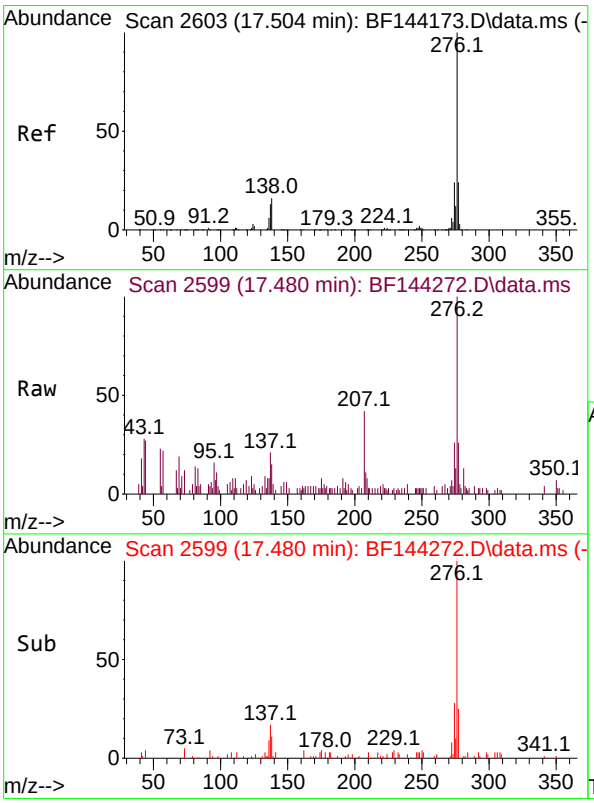
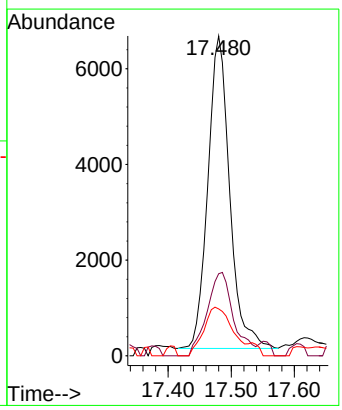


#92
Benzo(g,h,i)perylene
Concen: 2.359 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:276 Resp: 15681

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	14.7	12.9	19.3



Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144272.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.463	38	46	52	rVB2	5275	11605	1.34%	0.143%
2	5.087	488	492	497	rVB	8771	13138	1.52%	0.162%
3	5.487	555	560	579	rBV	565926	789031	91.13%	9.755%
4	6.498	726	732	751	rBV	579008	787867	90.99%	9.741%
5	6.869	790	795	800	rBV	251665	324008	37.42%	4.006%
6	7.428	885	890	900	rBV	377492	476900	55.08%	5.896%
7	8.151	1007	1013	1027	rBV	299496	395404	45.67%	4.889%
8	9.222	1190	1195	1206	rBV	689446	865875	100.00%	10.705%
9	9.769	1283	1288	1295	rVB	10843	13084	1.51%	0.162%
10	9.904	1306	1311	1323	rVB	312759	400159	46.21%	4.947%
11	10.457	1402	1405	1412	rVB2	6334	8740	1.01%	0.108%
12	10.616	1428	1432	1437	rBV	62652	81418	9.40%	1.007%
13	10.698	1441	1446	1458	rVB	351549	463027	53.48%	5.725%
14	10.827	1461	1468	1472	rVB5	6092	9686	1.12%	0.120%
15	10.875	1472	1476	1479	rBV	12039	16601	1.92%	0.205%
16	11.010	1494	1499	1503	rBV2	5427	10622	1.23%	0.131%
17	11.057	1503	1507	1510	rVV2	10838	14389	1.66%	0.178%
18	11.092	1510	1513	1517	rVV	10563	13737	1.59%	0.170%
19	11.133	1517	1520	1528	rVB3	8319	13280	1.53%	0.164%
20	11.398	1560	1565	1574	rBV2	293726	469636	54.24%	5.806%
21	11.475	1574	1578	1581	rVB	8485	9948	1.15%	0.123%
22	11.627	1599	1604	1610	rBV2	9822	17675	2.04%	0.219%
23	11.922	1645	1654	1662	rBV3	75524	147812	17.07%	1.827%
24	12.010	1666	1669	1679	rVB3	24104	51898	5.99%	0.642%
25	12.227	1703	1706	1711	rVB	10809	14675	1.69%	0.181%
26	12.451	1740	1744	1747	rBV	16518	22582	2.61%	0.279%
27	12.539	1756	1759	1765	rVB3	11353	17745	2.05%	0.219%
28	12.616	1765	1772	1777	rBV	138231	188963	21.82%	2.336%
29	12.710	1784	1788	1791	rBV	18073	21527	2.49%	0.266%
30	12.845	1804	1811	1818	rBV	122875	199577	23.05%	2.467%
31	12.980	1825	1834	1843	rBV	566957	773881	89.38%	9.568%
32	13.063	1843	1848	1852	rBV3	14780	25535	2.95%	0.316%
33	13.169	1859	1866	1870	rBV2	20407	47175	5.45%	0.583%
34	13.239	1875	1878	1880	rVV	7618	8939	1.03%	0.111%
35	13.274	1881	1884	1888	rVB2	13766	16985	1.96%	0.210%
36	13.368	1897	1900	1903	rBV	10940	12712	1.47%	0.157%

Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.404	1903	1906	1909	rVB	9643	10998	1.27%	0.136%
38	13.686	1950	1954	1962	rVB	17472	26699	3.08%	0.330%
39	13.792	1968	1972	1975	rBV2	20768	33219	3.84%	0.411%
40	13.886	1984	1988	1997	rVB3	40903	80079	9.25%	0.990%
41	14.045	2006	2015	2028	rBV2	304303	595479	68.77%	7.362%
42	14.198	2038	2041	2045	rBV3	13489	20031	2.31%	0.248%
43	15.092	2189	2193	2201	rBV	65981	140991	16.28%	1.743%
44	15.398	2242	2245	2251	rVB	33830	49408	5.71%	0.611%
45	15.462	2252	2256	2261	rVV	40652	61281	7.08%	0.758%
46	15.527	2262	2267	2280	rVB	182658	314326	36.30%	3.886%

Sum of corrected areas: 8088347

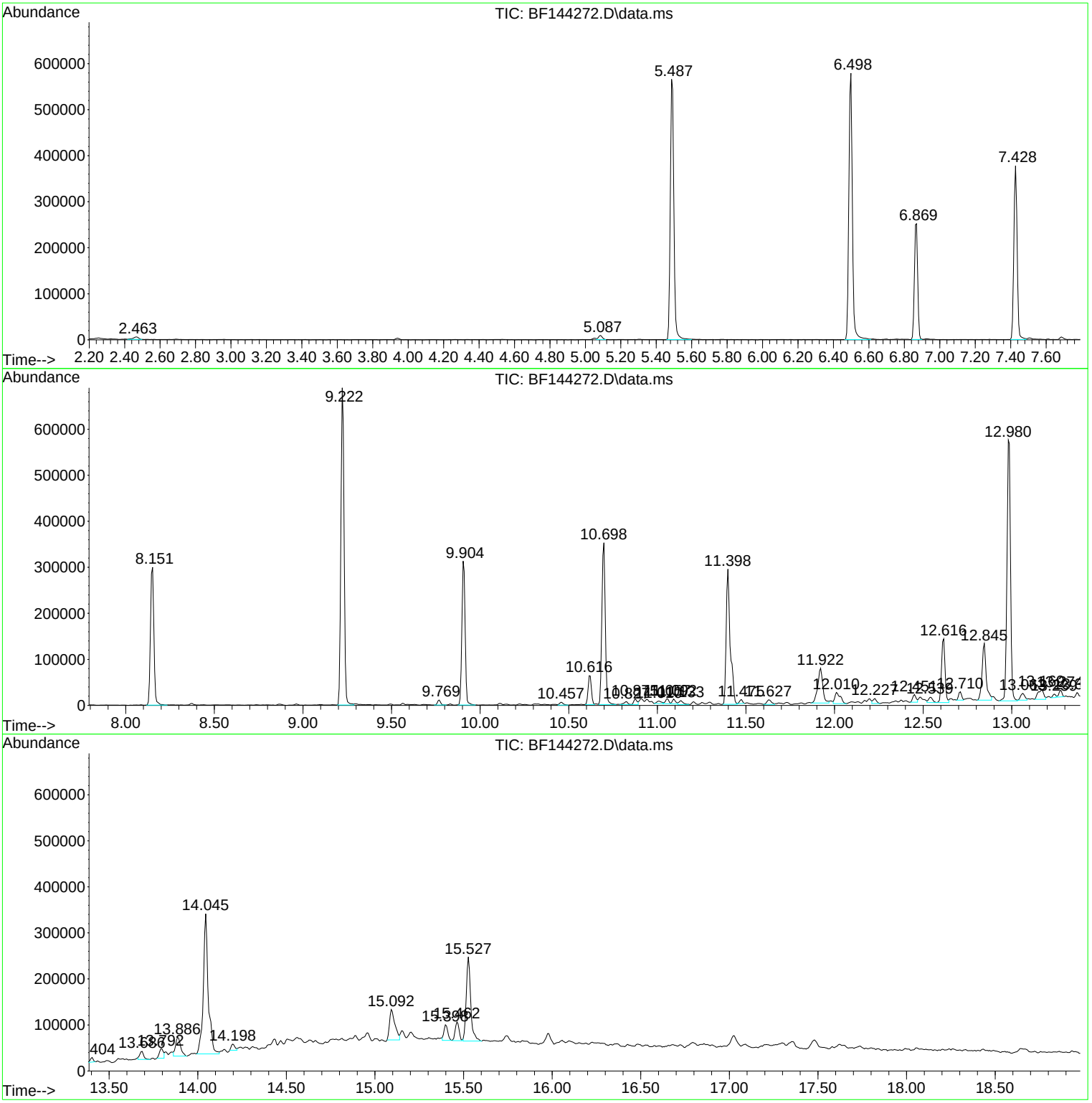
Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

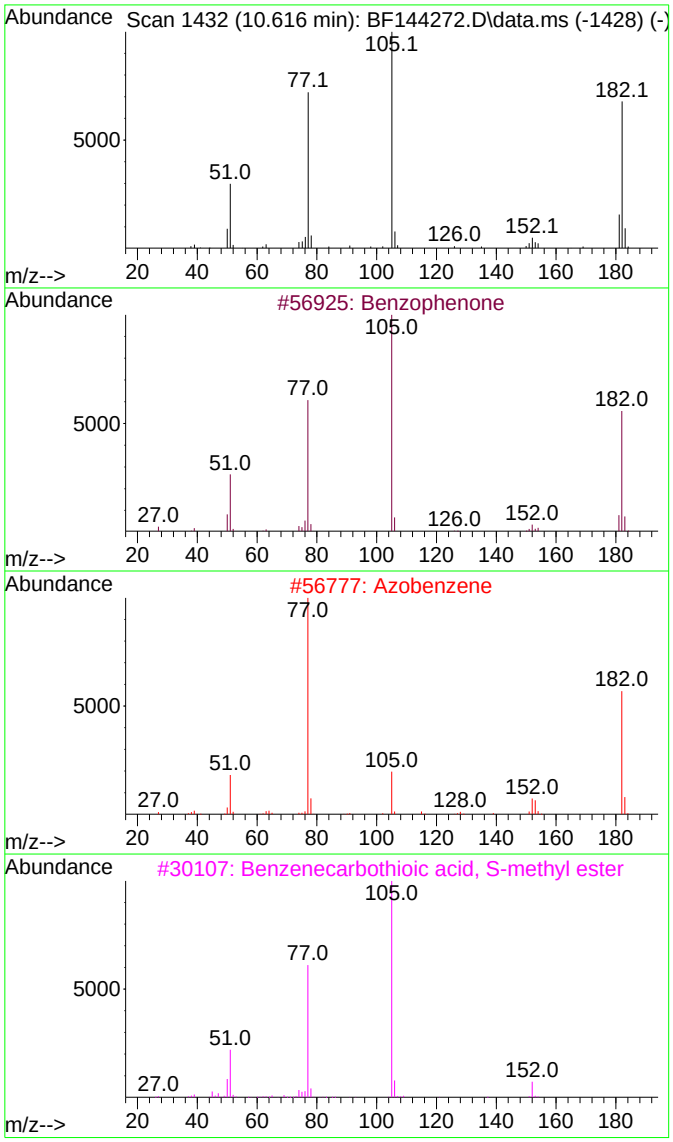
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

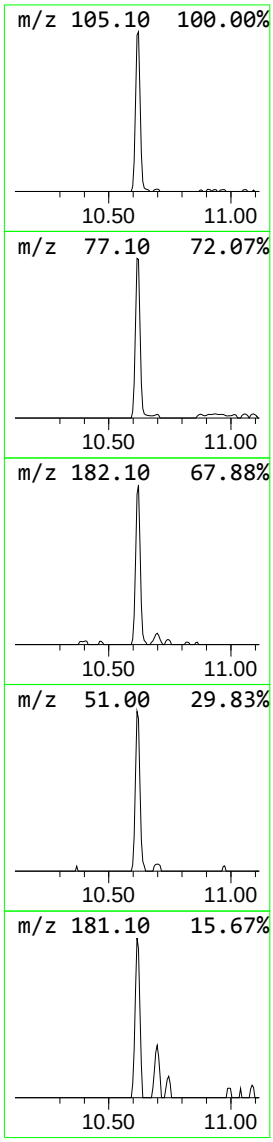
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.07 ng	81418	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
4	Benzoylformic acid	150	C8H6O3	000611-73-4	53
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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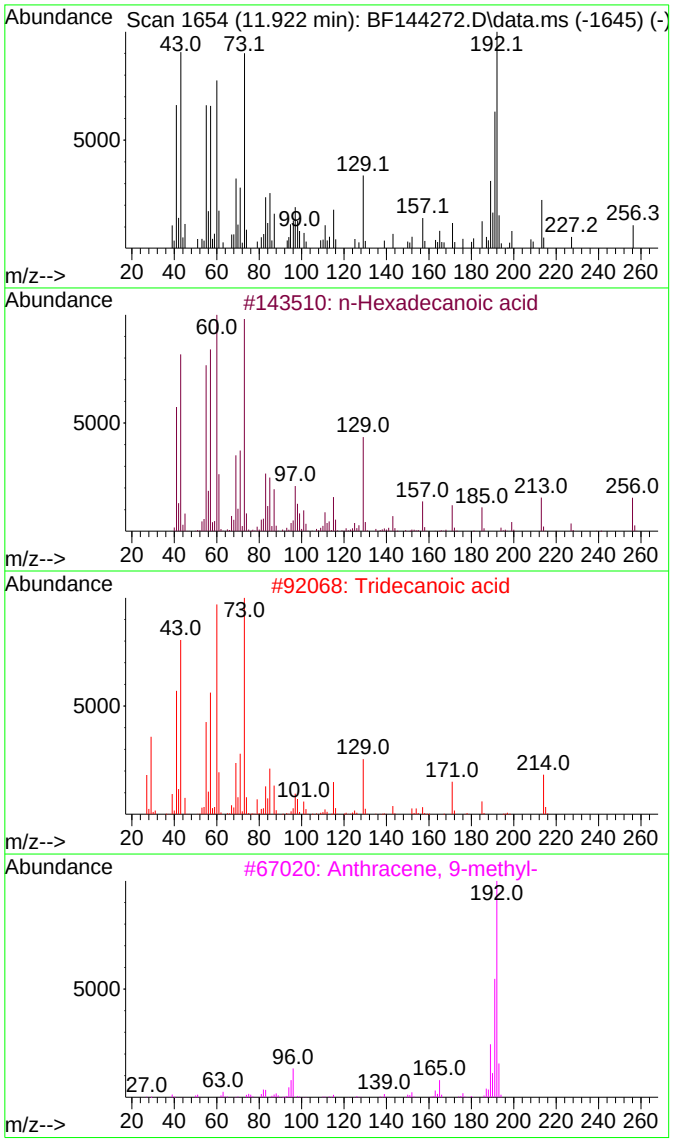
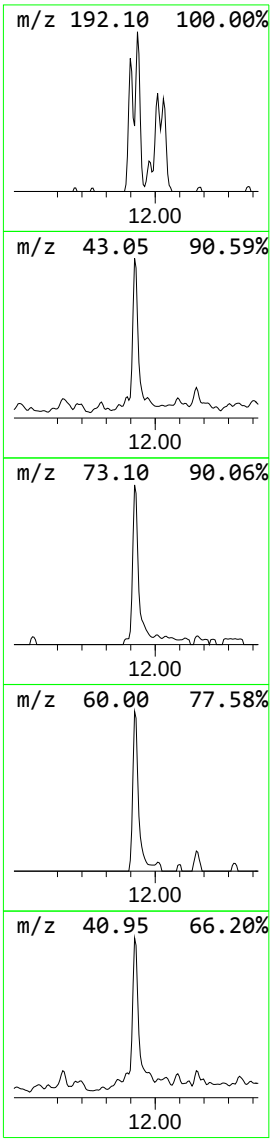
Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	6.29 ng	147812	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	66
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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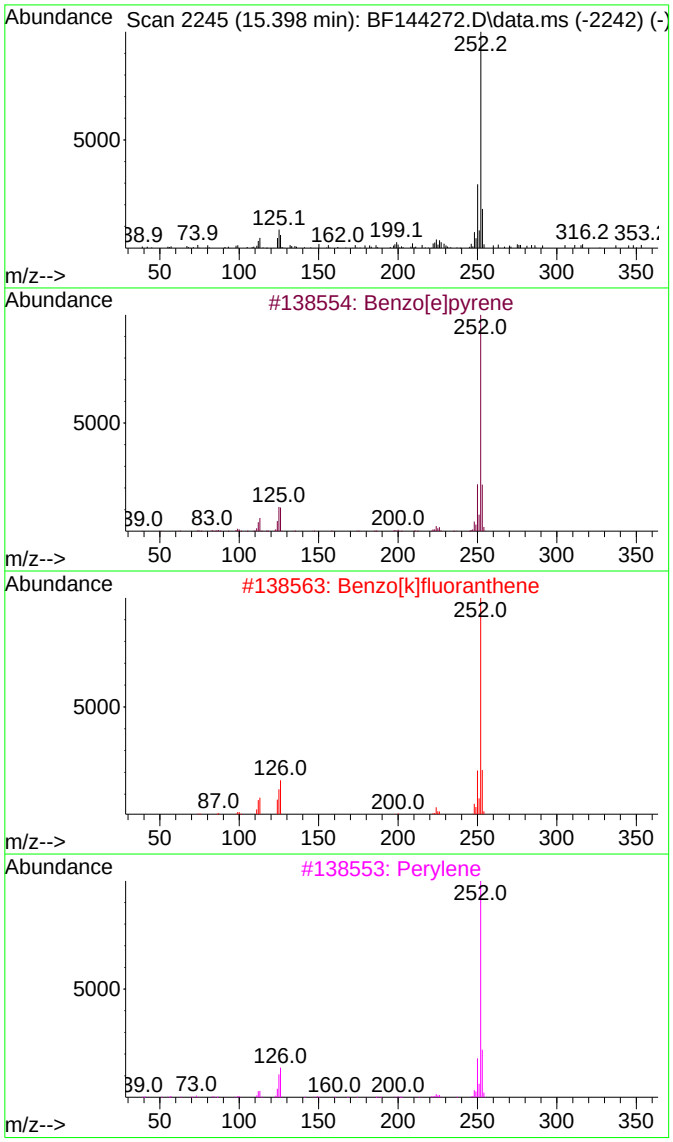
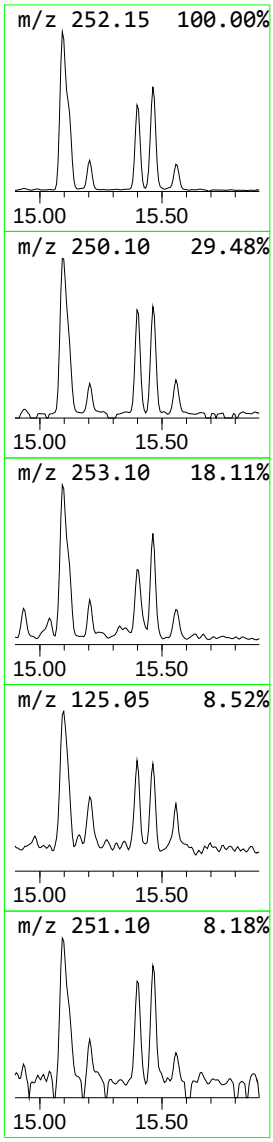
Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	3.14 ng	49408	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Perylene	252	C20H12	000198-55-0	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68





Sample Results: **BF144272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.616	4.1	ng	81418	3	9.904	400159	20.0
n-Hexadecanoic ...	11.922	6.3	ng	147812	4	11.398	469636	20.0
Benzo[e]pyrene	15.398	3.1	ng	49408	6	15.527	314326	20.0

Raw Data: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-06	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	170	U	1	170	360	ug/Kg	11/17/25 20:07	PB170576
108-95-2	Phenol	24.1	U	1	24.1	190	ug/Kg	11/17/25 20:07	PB170576
111-44-4	bis(2-Chloroethyl)ether	26.5	U	1	26.5	190	ug/Kg	11/17/25 20:07	PB170576
95-57-8	2-Chlorophenol	26.7	U	1	26.7	190	ug/Kg	11/17/25 20:07	PB170576
95-48-7	2-Methylphenol	32.7	U	1	32.7	190	ug/Kg	11/17/25 20:07	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	1	41.0	190	ug/Kg	11/17/25 20:07	PB170576
98-86-2	Acetophenone	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
65794-96-9	3+4-Methylphenols	44.9	U	1	44.9	360	ug/Kg	11/17/25 20:07	PB170576
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	1	51.8	87.4	ug/Kg	11/17/25 20:07	PB170576
67-72-1	Hexachloroethane	19.2	U	1	19.2	190	ug/Kg	11/17/25 20:07	PB170576
98-95-3	Nitrobenzene	20.0	U	1	20.0	190	ug/Kg	11/17/25 20:07	PB170576
78-59-1	Isophorone	35.8	U	1	35.8	190	ug/Kg	11/17/25 20:07	PB170576
88-75-5	2-Nitrophenol	63.6	U	1	63.6	190	ug/Kg	11/17/25 20:07	PB170576
105-67-9	2,4-Dimethylphenol	70.8	U	1	70.8	190	ug/Kg	11/17/25 20:07	PB170576
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	1	33.6	190	ug/Kg	11/17/25 20:07	PB170576
120-83-2	2,4-Dichlorophenol	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
91-20-3	Naphthalene	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
106-47-8	4-Chloroaniline	38.7	UQ	1	38.7	190	ug/Kg	11/17/25 20:07	PB170576
87-68-3	Hexachlorobutadiene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
105-60-2	Caprolactam	56.9	U	1	56.9	360	ug/Kg	11/17/25 20:07	PB170576
59-50-7	4-Chloro-3-methylphenol	31.3	U	1	31.3	190	ug/Kg	11/17/25 20:07	PB170576
91-57-6	2-Methylnaphthalene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	360	ug/Kg	11/17/25 20:07	PB170576
88-06-2	2,4,6-Trichlorophenol	21.6	U	1	21.6	190	ug/Kg	11/17/25 20:07	PB170576
95-95-4	2,4,5-Trichlorophenol	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
92-52-4	1,1-Biphenyl	23.8	U	1	23.8	190	ug/Kg	11/17/25 20:07	PB170576
91-58-7	2-Chloronaphthalene	24.6	U	1	24.6	190	ug/Kg	11/17/25 20:07	PB170576
88-74-4	2-Nitroaniline	52.5	U	1	52.5	190	ug/Kg	11/17/25 20:07	PB170576
131-11-3	Dimethylphthalate	29.6	U	1	29.6	190	ug/Kg	11/17/25 20:07	PB170576
208-96-8	Acenaphthylene	31.6	U	1	31.6	190	ug/Kg	11/17/25 20:07	PB170576
606-20-2	2,6-Dinitrotoluene	36.7	U	1	36.7	190	ug/Kg	11/17/25 20:07	PB170576
99-09-2	3-Nitroaniline	50.2	UQ	1	50.2	190	ug/Kg	11/17/25 20:07	PB170576
83-32-9	Acenaphthene	23.3	U	1	23.3	190	ug/Kg	11/17/25 20:07	PB170576
51-28-5	2,4-Dinitrophenol	250	U	1	250	360	ug/Kg	11/17/25 20:07	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	360	ug/Kg	11/17/25 20:07	PB170576
132-64-9	Dibenzofuran	24.8	U	1	24.8	190	ug/Kg	11/17/25 20:07	PB170576
121-14-2	2,4-Dinitrotoluene	54.7	U	1	54.7	190	ug/Kg	11/17/25 20:07	PB170576
84-66-2	Diethylphthalate	30.9	U	1	30.9	190	ug/Kg	11/17/25 20:07	PB170576
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	1	29.2	190	ug/Kg	11/17/25 20:07	PB170576
86-73-7	Fluorene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
100-01-6	4-Nitroaniline	70.1	U	1	70.1	190	ug/Kg	11/17/25 20:07	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1	110	360	ug/Kg	11/17/25 20:07	PB170576

Raw Data: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-06			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	35.9	U	1	35.9	190	ug/Kg	11/17/25 20:07	PB170576
101-55-3	4-Bromophenyl-phenylether	30.4	U	1	30.4	190	ug/Kg	11/17/25 20:07	PB170576
118-74-1	Hexachlorobenzene	27.6	U	1	27.6	190	ug/Kg	11/17/25 20:07	PB170576
1912-24-9	Atrazine	37.1	U	1	37.1	190	ug/Kg	11/17/25 20:07	PB170576
87-86-5	Pentachlorophenol	56.0	U	1	56.0	360	ug/Kg	11/17/25 20:07	PB170576
85-01-8	Phenanthrene	22.8	U	1	22.8	190	ug/Kg	11/17/25 20:07	PB170576
120-12-7	Anthracene	36.4	U	1	36.4	190	ug/Kg	11/17/25 20:07	PB170576
86-74-8	Carbazole	34.1	U	1	34.1	190	ug/Kg	11/17/25 20:07	PB170576
84-74-2	Di-n-butylphthalate	52.3	U	1	52.3	190	ug/Kg	11/17/25 20:07	PB170576
206-44-0	Fluoranthene	32.8	U	1	32.8	190	ug/Kg	11/17/25 20:07	PB170576
129-00-0	Pyrene	39.3	U	1	39.3	190	ug/Kg	11/17/25 20:07	PB170576
85-68-7	Butylbenzylphthalate	78.0	U	1	78.0	190	ug/Kg	11/17/25 20:07	PB170576
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	1	40.1	360	ug/Kg	11/17/25 20:07	PB170576
56-55-3	Benzo(a)anthracene	25.1	U	1	25.1	190	ug/Kg	11/17/25 20:07	PB170576
218-01-9	Chrysene	21.7	U	1	21.7	190	ug/Kg	11/17/25 20:07	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	1	64.7	190	ug/Kg	11/17/25 20:07	PB170576
117-84-0	Di-n-octyl phthalate	94.8	U	1	94.8	360	ug/Kg	11/17/25 20:07	PB170576
205-99-2	Benzo(b)fluoranthene	20.8	U	1	20.8	190	ug/Kg	11/17/25 20:07	PB170576
207-08-9	Benzo(k)fluoranthene	24.5	U	1	24.5	190	ug/Kg	11/17/25 20:07	PB170576
50-32-8	Benzo(a)pyrene	32.2	U	1	32.2	190	ug/Kg	11/17/25 20:07	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	1	31.8	190	ug/Kg	11/17/25 20:07	PB170576
53-70-3	Dibenzo(a,h)anthracene	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
191-24-2	Benzo(g,h,i)perylene	28.1	U	1	28.1	190	ug/Kg	11/17/25 20:07	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	1	28.0	190	ug/Kg	11/17/25 20:07	PB170576
123-91-1	1,4-Dioxane	49.4	U	1	49.4	190	ug/Kg	11/17/25 20:07	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	1	29.9	190	ug/Kg	11/17/25 20:07	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	64.5			30 (10) - 130 (105)	43%	SPK: 150		
13127-88-3	Phenol-d6	63.1			30 (10) - 130 (103)	42%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.4			30 (10) - 130 (108)	41%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.8			30 (10) - 130 (108)	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	66.3			30 (10) - 130 (116)	44%	SPK: 150		
1718-51-0	Terphenyl-d14	44.7			30 (10) - 130 (109)	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33200							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93400							
1517-22-2	Phenanthrene-d10	234000							
1719-03-5	Chrysene-d12	328000							
1520-96-3	Perylene-d12	336000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	100	J			16.1	ug/Kg		

Raw Data: **BG064792.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B4-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-06			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	91.4
Sample Wt/Vol:	30.05 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

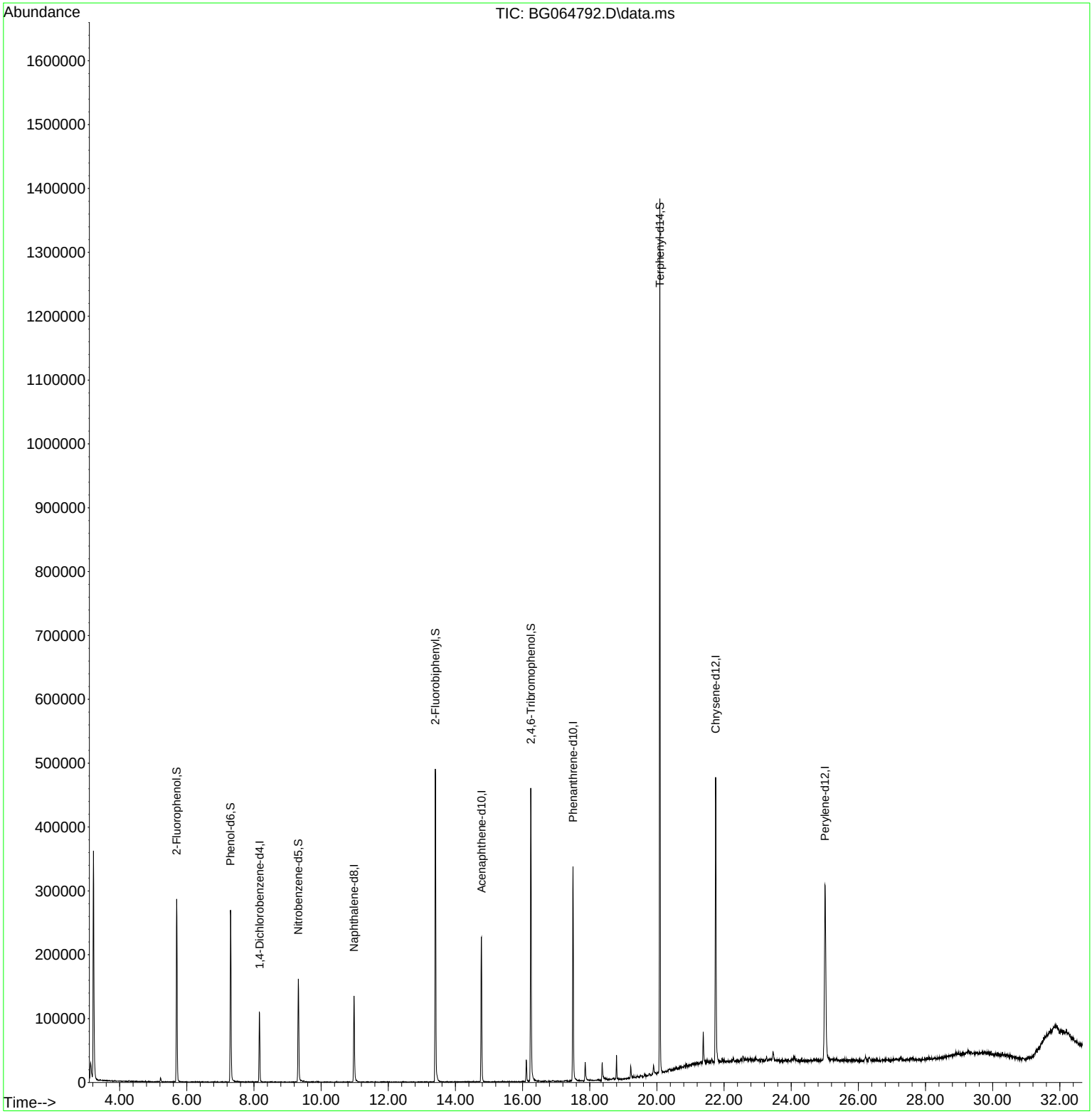
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	33180	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	121269	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	93445	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	234373	20.000	ng	0.00
76) Chrysene-d12	21.751	240	327722	20.000	ng	0.00
86) Perylene-d12	25.006	264	336150	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	122605	64.525	ng	0.00
7) Phenol-d6	7.303	99	159416	63.079	ng	0.00
23) Nitrobenzene-d5	9.324	82	101547	41.402	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	120768	66.266	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	286692	42.809	ng	0.00
79) Terphenyl-d14	20.088	244	743942	44.654	ng	0.00
Target Compounds						Qvalue

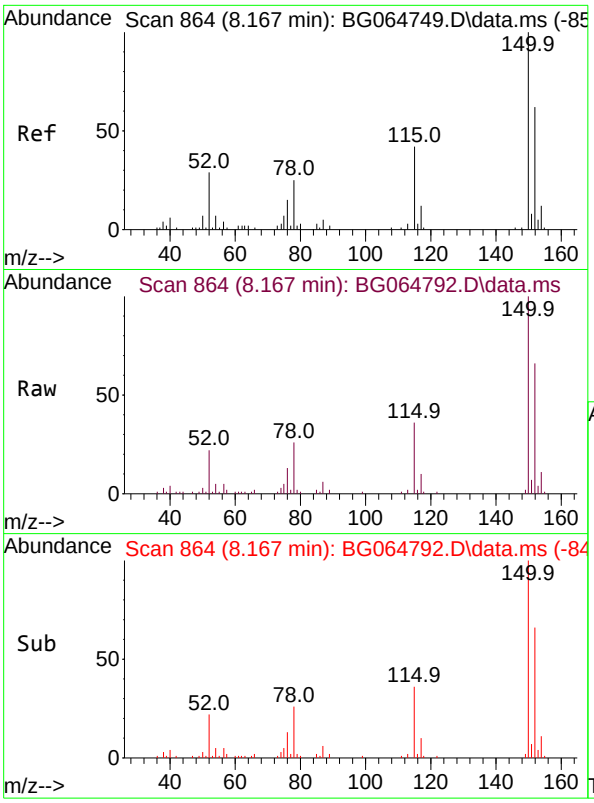
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Time: Nov 18 00:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



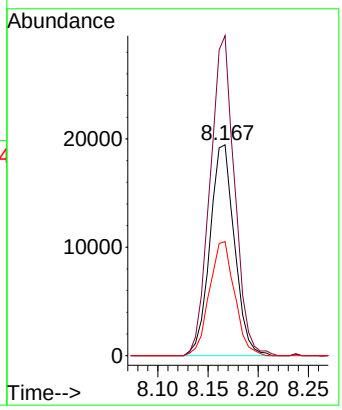


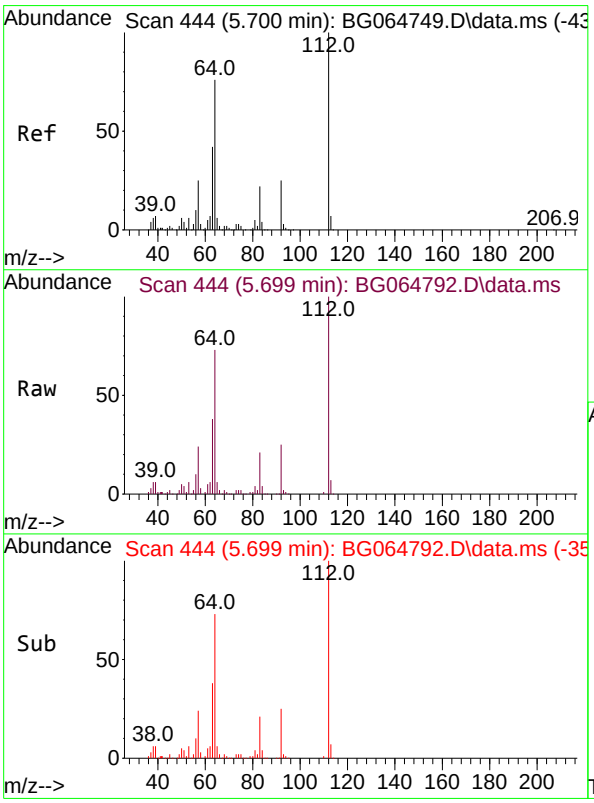
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:152 Resp: 33180

Ion	Ratio	Lower	Upper
152	100		
150	151.7	129.2	193.8
115	54.1	53.7	80.5

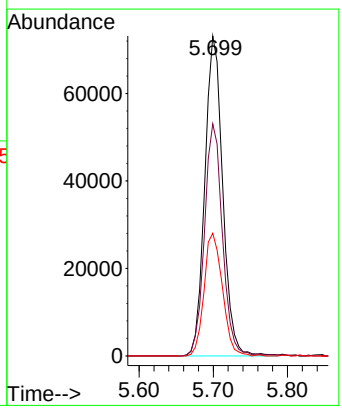


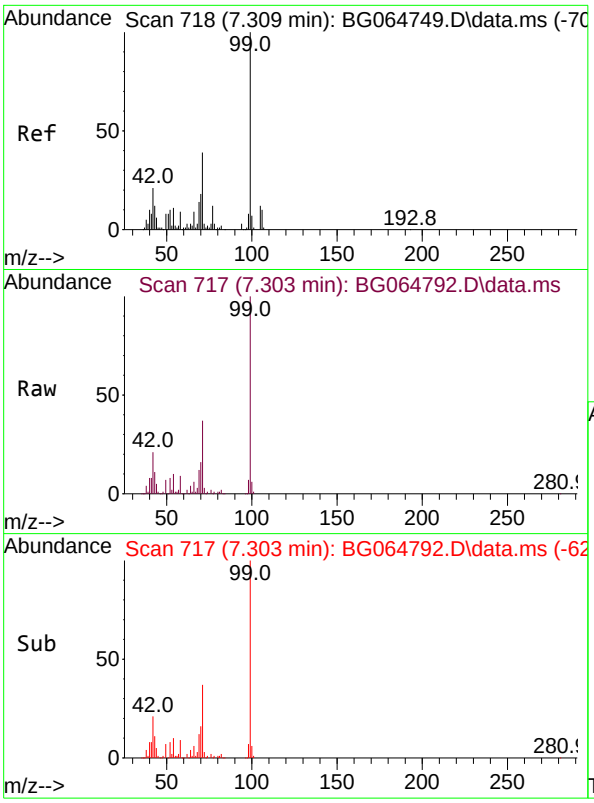


#5
2-Fluorophenol
Concen: 64.525 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:112 Resp: 122605

Ion	Ratio	Lower	Upper
112	100		
64	72.5	61.0	91.4
63	38.3	33.3	49.9



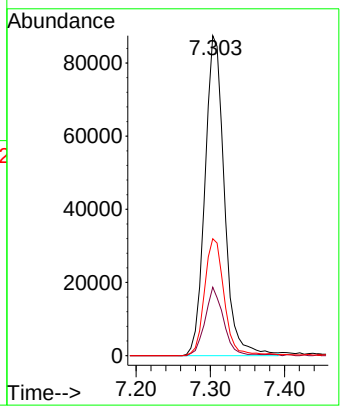


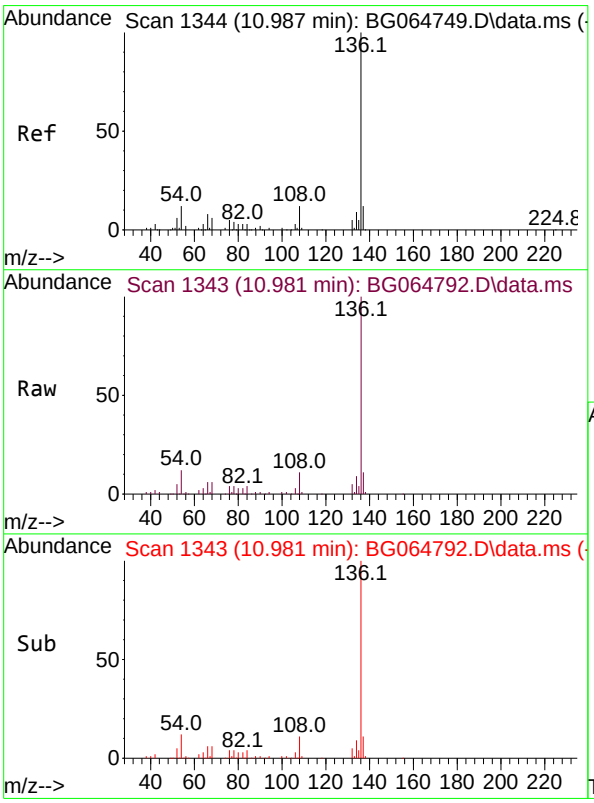
#7
Phenol-d6
Concen: 63.079 ng
RT: 7.303 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 99 Resp: 159416

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.8	25.2
71	36.6	31.1	46.7

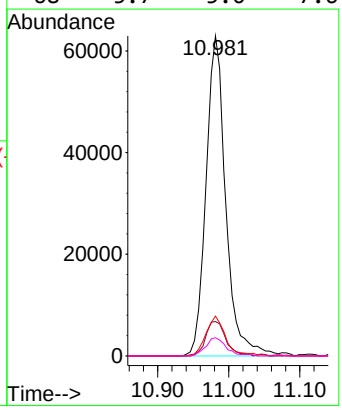


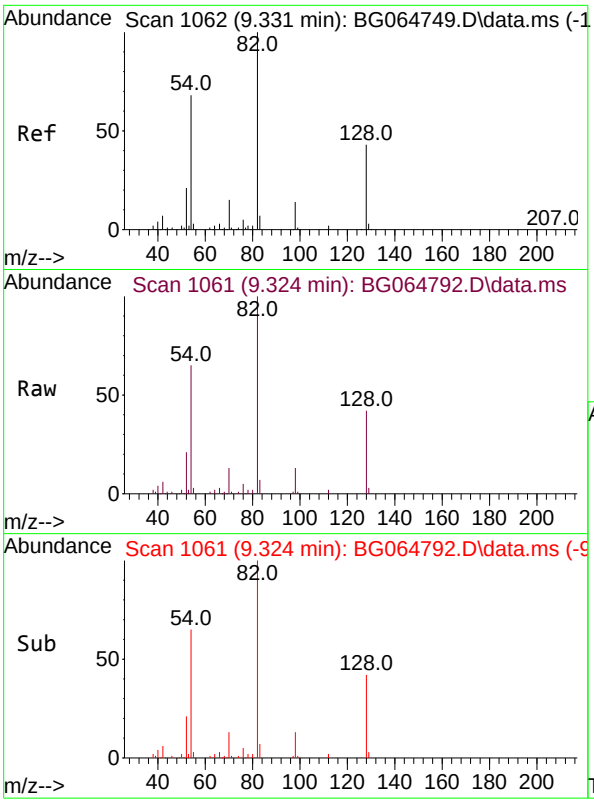


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:136 Resp: 121269

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	12.4	9.3	13.9
68	5.7	5.0	7.6



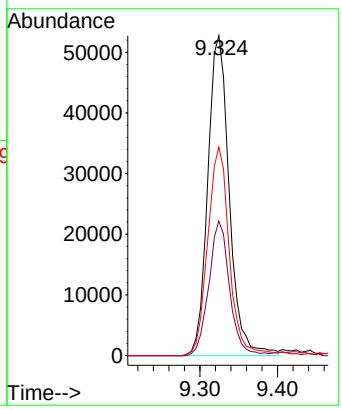


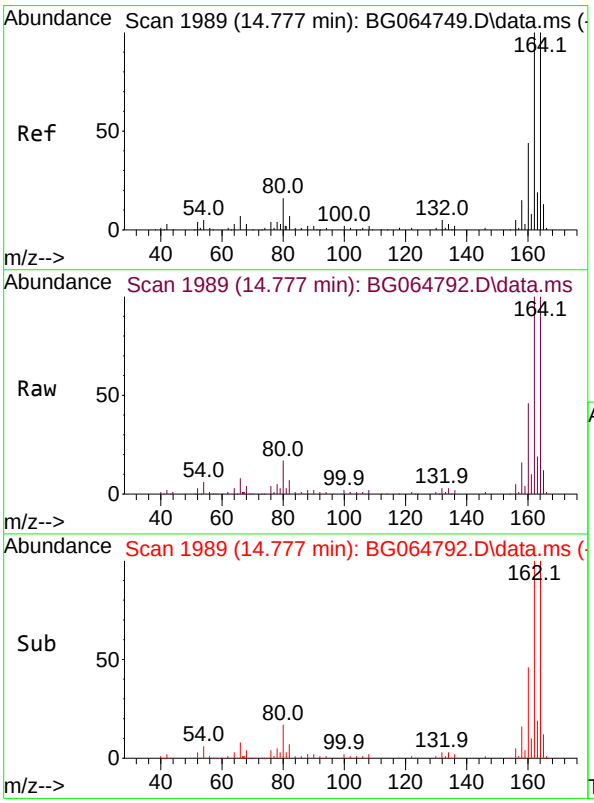
#23
Nitrobenzene-d5
Concen: 41.402 ng
RT: 9.324 min Scan# 10
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion: 82 Resp: 101547

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.1	51.1
54	65.2	54.3	81.5

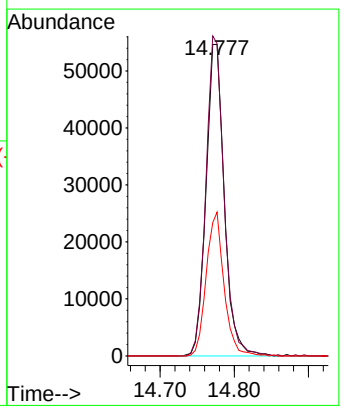


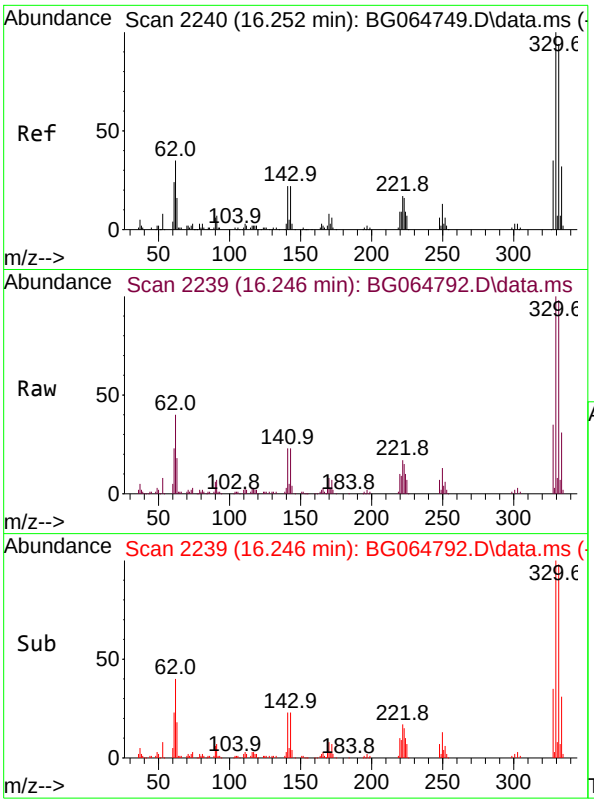


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:164 Resp: 93445

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.8	119.6
160	46.1	34.9	52.3



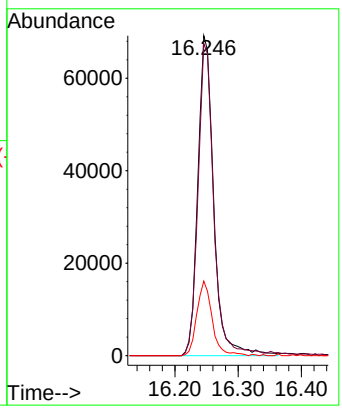


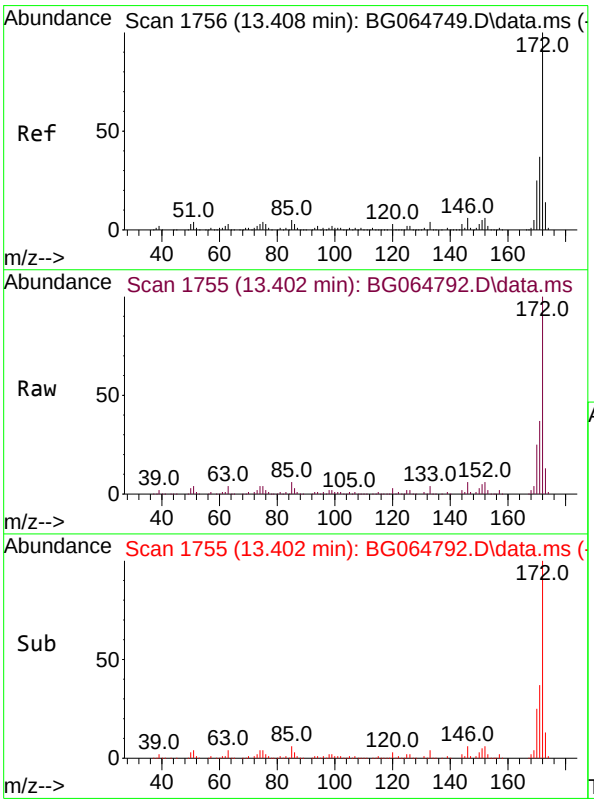
#42
2,4,6-Tribromophenol
Concen: 66.266 ng
RT: 16.246 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:330 Resp: 120768

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	22.3	18.2	27.2

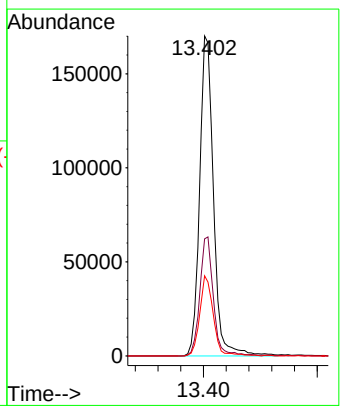


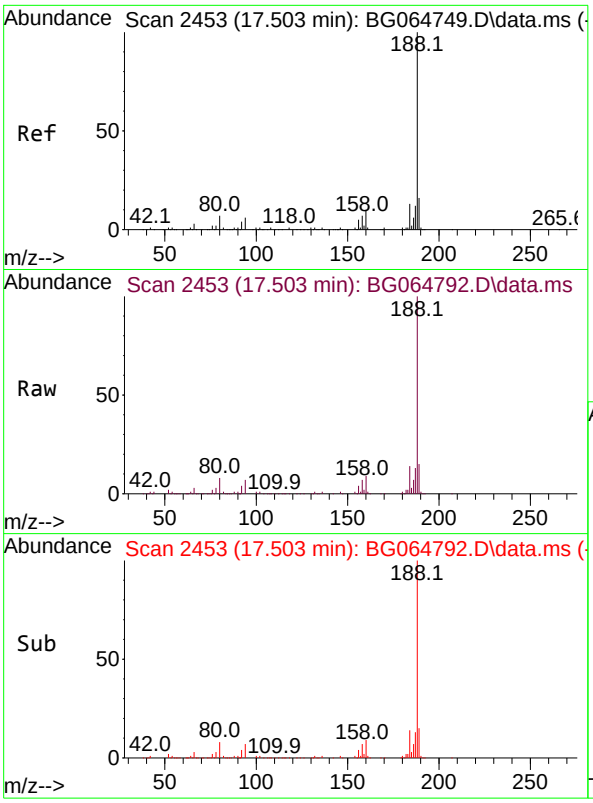


#45
2-Fluorobiphenyl
Concen: 42.809 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:172 Resp: 286692

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	25.0	19.8	29.6



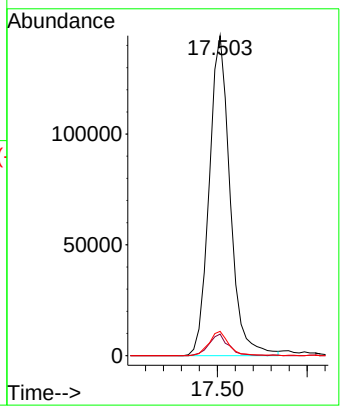


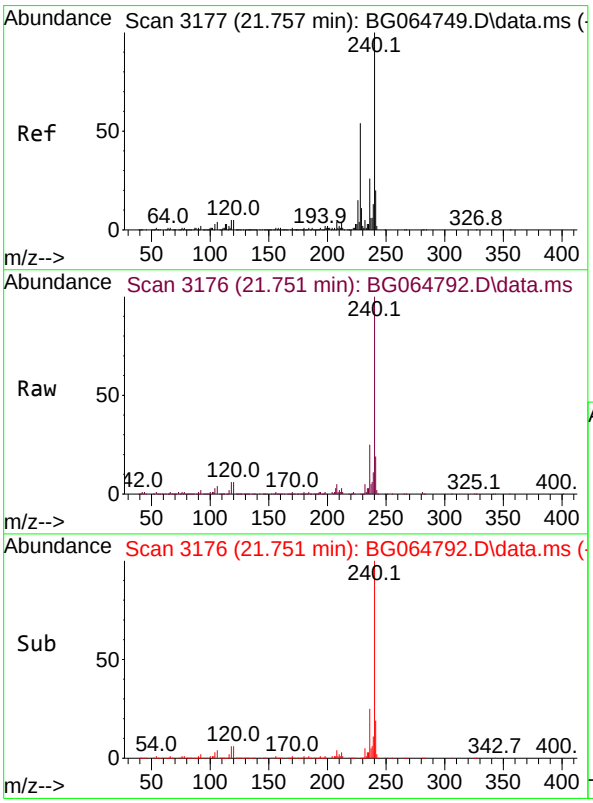
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:188 Resp: 234373

Ion	Ratio	Lower	Upper
188	100		
94	6.7	4.7	7.1
80	7.6	5.4	8.2

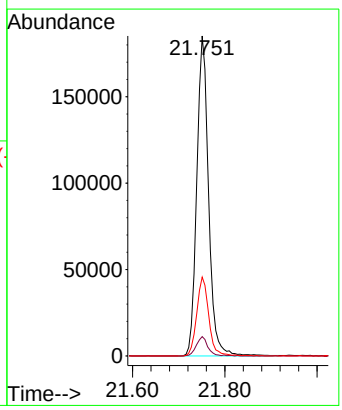


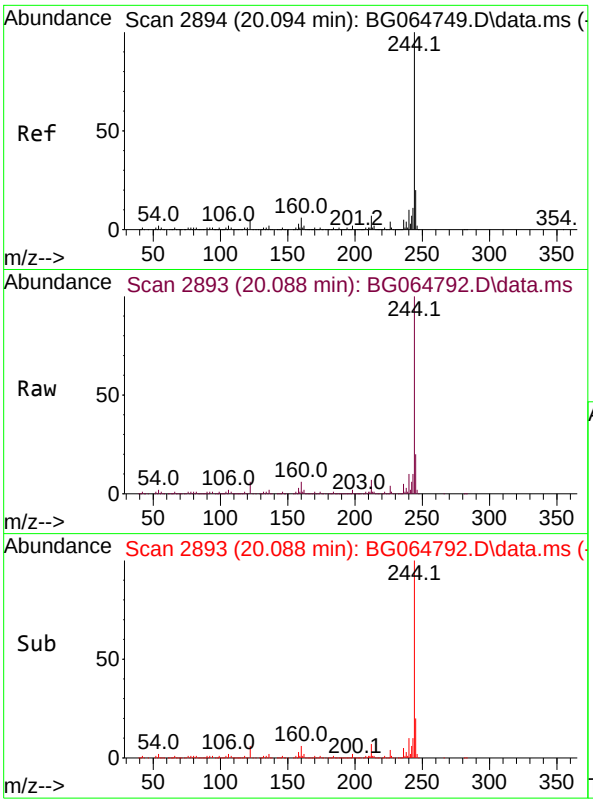


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:240 Resp: 327722

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	24.6	20.8	31.2



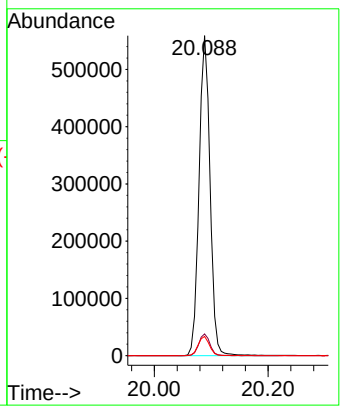


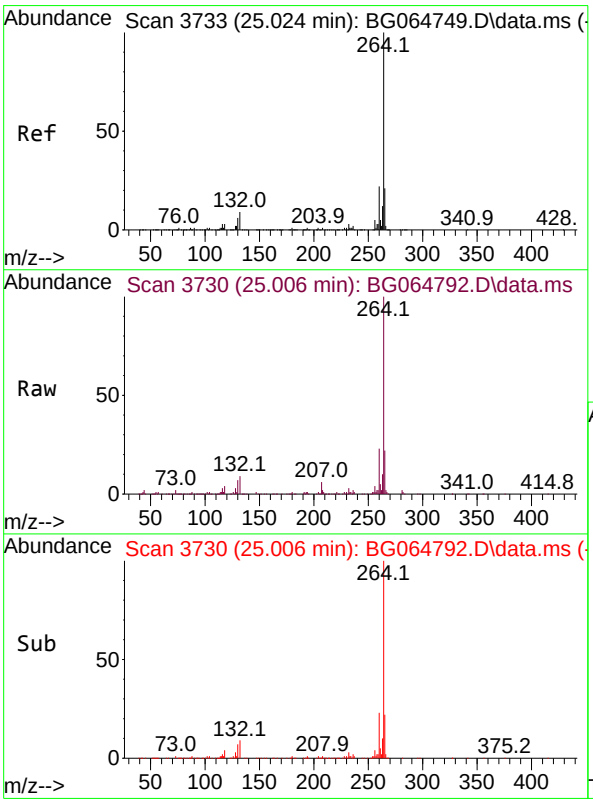
#79
Terphenyl-d14
Concen: 44.654 ng
RT: 20.088 min Scan# 28
Delta R.T. -0.006 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Tgt Ion:244 Resp: 743942

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.0	4.3	6.5

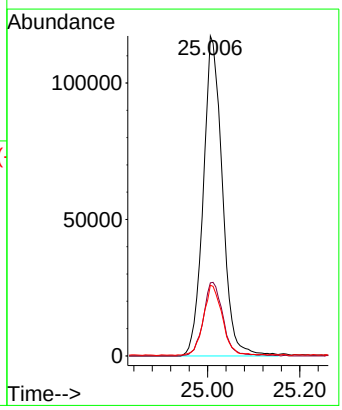




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.006 min Scan# 3730
Delta R.T. -0.018 min
Lab File: BG064792.D
Acq: 17 Nov 2025 20:07

Tgt Ion:264 Resp: 336150

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.2	25.8
265	22.1	16.6	25.0



Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064792.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.137	3	8	16	rBV2	24029	56416	3.08%	0.649%
2	3.220	16	22	37	rVB	358073	621596	33.92%	7.156%
3	5.699	437	444	458	rBV	286388	481786	26.29%	5.546%
4	7.303	709	717	733	rBV	269542	497305	27.13%	5.725%
5	8.161	856	863	870	rBV	110648	190381	10.39%	2.192%
6	9.324	1051	1061	1072	rBV	161898	313619	17.11%	3.610%
7	10.981	1333	1343	1354	rBV	135305	261990	14.30%	3.016%
8	13.402	1749	1755	1771	rBV	490367	806132	43.99%	9.280%
9	14.777	1982	1989	2003	rVB	226564	389273	21.24%	4.481%
10	16.111	2211	2216	2222	rBV2	34395	53914	2.94%	0.621%
11	16.246	2230	2239	2256	rBV	459971	776051	42.34%	8.934%
12	17.503	2445	2453	2464	rBV2	336141	541394	29.54%	6.232%
13	17.867	2507	2515	2519	rBV2	30218	49603	2.71%	0.571%
14	18.373	2597	2601	2607	rBV2	28573	49921	2.72%	0.575%
15	18.796	2669	2673	2679	rVB	37242	43910	2.40%	0.505%
16	19.219	2741	2745	2752	rBV4	18858	28855	1.57%	0.332%
17	19.900	2857	2861	2866	rBV3	13933	23816	1.30%	0.274%
18	20.088	2887	2893	2904	rBV	1368690	1832737	100.00%	21.098%
19	21.381	3109	3113	3119	rBV3	49643	75723	4.13%	0.872%
20	21.751	3169	3176	3190	rBV2	446651	807552	44.06%	9.296%
21	25.006	3721	3730	3743	rBV	271993	784924	42.83%	9.036%

Sum of corrected areas: 8686898

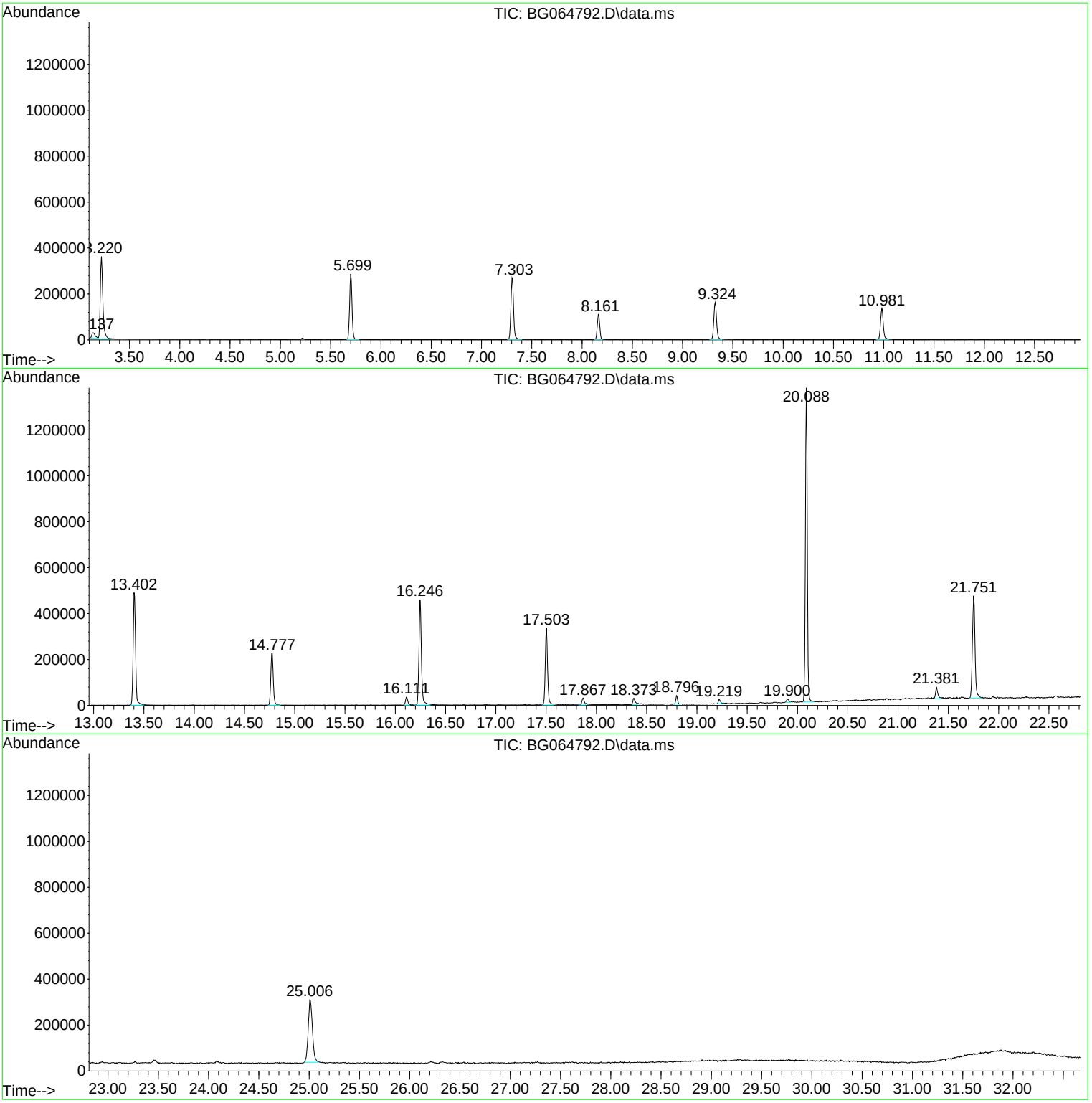
Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

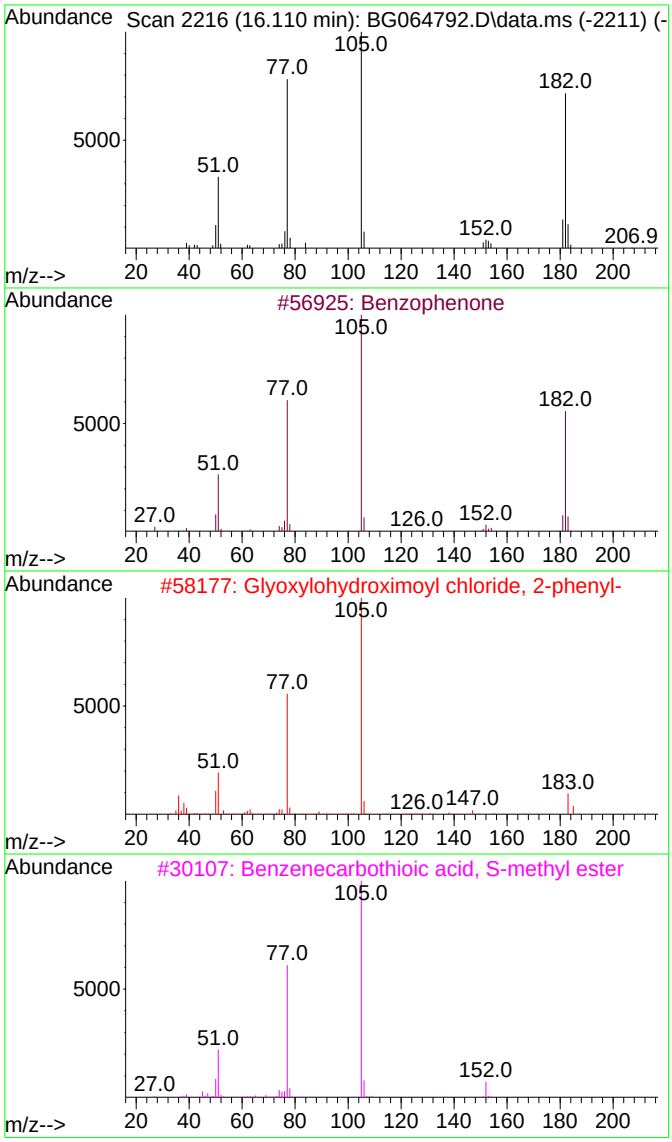
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

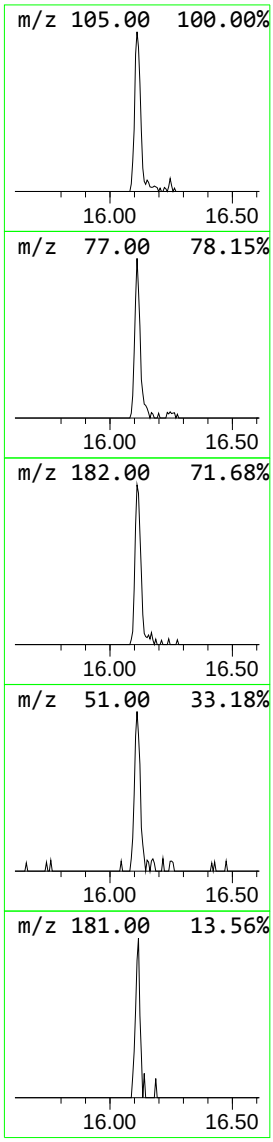
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.110	2.77 ng	53914	Acenaphthene-d10	14.777

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	52
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
4	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47





Sample Results: **BG064792.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064792.D
Acq On : 17 Nov 2025 20:07
Operator : RC/JU
Sample : Q3649-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B4-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.110	2.8	ng	53914	3	14.777	389273	20.0

Raw Data: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114	SDG No.:	Q3649
Lab Sample ID:	Q3649-08	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	180	U	1	180	380	ug/Kg	11/17/25 22:09	PB170576
108-95-2	Phenol	25.6	U	1	25.6	200	ug/Kg	11/17/25 22:09	PB170576
111-44-4	bis(2-Chloroethyl)ether	28.2	U	1	28.2	200	ug/Kg	11/17/25 22:09	PB170576
95-57-8	2-Chlorophenol	28.3	U	1	28.3	200	ug/Kg	11/17/25 22:09	PB170576
95-48-7	2-Methylphenol	34.7	U	1	34.7	200	ug/Kg	11/17/25 22:09	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	43.5	U	1	43.5	200	ug/Kg	11/17/25 22:09	PB170576
98-86-2	Acetophenone	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
65794-96-9	3+4-Methylphenols	47.7	U	1	47.7	380	ug/Kg	11/17/25 22:09	PB170576
621-64-7	n-Nitroso-di-n-propylamine	55.0	U	1	55.0	92.8	ug/Kg	11/17/25 22:09	PB170576
67-72-1	Hexachloroethane	20.4	U	1	20.4	200	ug/Kg	11/17/25 22:09	PB170576
98-95-3	Nitrobenzene	21.2	U	1	21.2	200	ug/Kg	11/17/25 22:09	PB170576
78-59-1	Isophorone	38.0	U	1	38.0	200	ug/Kg	11/17/25 22:09	PB170576
88-75-5	2-Nitrophenol	67.5	U	1	67.5	200	ug/Kg	11/17/25 22:09	PB170576
105-67-9	2,4-Dimethylphenol	75.1	U	1	75.1	200	ug/Kg	11/17/25 22:09	PB170576
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	1	35.7	200	ug/Kg	11/17/25 22:09	PB170576
120-83-2	2,4-Dichlorophenol	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
91-20-3	Naphthalene	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
106-47-8	4-Chloroaniline	41.1	UQ	1	41.1	200	ug/Kg	11/17/25 22:09	PB170576
87-68-3	Hexachlorobutadiene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
105-60-2	Caprolactam	60.4	U	1	60.4	380	ug/Kg	11/17/25 22:09	PB170576
59-50-7	4-Chloro-3-methylphenol	33.3	U	1	33.3	200	ug/Kg	11/17/25 22:09	PB170576
91-57-6	2-Methylnaphthalene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
77-47-4	Hexachlorocyclopentadiene	130	U	1	130	380	ug/Kg	11/17/25 22:09	PB170576
88-06-2	2,4,6-Trichlorophenol	23.0	U	1	23.0	200	ug/Kg	11/17/25 22:09	PB170576
95-95-4	2,4,5-Trichlorophenol	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
92-52-4	1,1-Biphenyl	25.3	U	1	25.3	200	ug/Kg	11/17/25 22:09	PB170576
91-58-7	2-Chloronaphthalene	26.1	U	1	26.1	200	ug/Kg	11/17/25 22:09	PB170576
88-74-4	2-Nitroaniline	55.8	U	1	55.8	200	ug/Kg	11/17/25 22:09	PB170576
131-11-3	Dimethylphthalate	31.4	U	1	31.4	200	ug/Kg	11/17/25 22:09	PB170576
208-96-8	Acenaphthylene	33.5	U	1	33.5	200	ug/Kg	11/17/25 22:09	PB170576
606-20-2	2,6-Dinitrotoluene	39.0	U	1	39.0	200	ug/Kg	11/17/25 22:09	PB170576
99-09-2	3-Nitroaniline	53.3	UQ	1	53.3	200	ug/Kg	11/17/25 22:09	PB170576
83-32-9	Acenaphthene	24.7	U	1	24.7	200	ug/Kg	11/17/25 22:09	PB170576
51-28-5	2,4-Dinitrophenol	270	U	1	270	380	ug/Kg	11/17/25 22:09	PB170576
100-02-7	4-Nitrophenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576
132-64-9	Dibenzofuran	26.3	U	1	26.3	200	ug/Kg	11/17/25 22:09	PB170576
121-14-2	2,4-Dinitrotoluene	58.1	U	1	58.1	200	ug/Kg	11/17/25 22:09	PB170576
84-66-2	Diethylphthalate	32.8	U	1	32.8	200	ug/Kg	11/17/25 22:09	PB170576
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	1	31.0	200	ug/Kg	11/17/25 22:09	PB170576
86-73-7	Fluorene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
100-01-6	4-Nitroaniline	74.5	U	1	74.5	200	ug/Kg	11/17/25 22:09	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	120	U	1	120	380	ug/Kg	11/17/25 22:09	PB170576

Raw Data: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-08			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.08 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	38.2	U	1	38.2	200	ug/Kg	11/17/25 22:09	PB170576
101-55-3	4-Bromophenyl-phenylether	32.2	U	1	32.2	200	ug/Kg	11/17/25 22:09	PB170576
118-74-1	Hexachlorobenzene	29.3	U	1	29.3	200	ug/Kg	11/17/25 22:09	PB170576
1912-24-9	Atrazine	39.4	U	1	39.4	200	ug/Kg	11/17/25 22:09	PB170576
87-86-5	Pentachlorophenol	59.5	U	1	59.5	380	ug/Kg	11/17/25 22:09	PB170576
85-01-8	Phenanthrene	24.2	U	1	24.2	200	ug/Kg	11/17/25 22:09	PB170576
120-12-7	Anthracene	38.6	U	1	38.6	200	ug/Kg	11/17/25 22:09	PB170576
86-74-8	Carbazole	36.2	U	1	36.2	200	ug/Kg	11/17/25 22:09	PB170576
84-74-2	Di-n-butylphthalate	55.5	U	1	55.5	200	ug/Kg	11/17/25 22:09	PB170576
206-44-0	Fluoranthene	34.8	U	1	34.8	200	ug/Kg	11/17/25 22:09	PB170576
129-00-0	Pyrene	41.7	U	1	41.7	200	ug/Kg	11/17/25 22:09	PB170576
85-68-7	Butylbenzylphthalate	82.8	U	1	82.8	200	ug/Kg	11/17/25 22:09	PB170576
91-94-1	3,3-Dichlorobenzidine	42.6	UQ	1	42.6	380	ug/Kg	11/17/25 22:09	PB170576
56-55-3	Benzo(a)anthracene	26.7	U	1	26.7	200	ug/Kg	11/17/25 22:09	PB170576
218-01-9	Chrysene	23.1	U	1	23.1	200	ug/Kg	11/17/25 22:09	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	68.7	U	1	68.7	200	ug/Kg	11/17/25 22:09	PB170576
117-84-0	Di-n-octyl phthalate	100	U	1	100	380	ug/Kg	11/17/25 22:09	PB170576
205-99-2	Benzo(b)fluoranthene	22.0	U	1	22.0	200	ug/Kg	11/17/25 22:09	PB170576
207-08-9	Benzo(k)fluoranthene	26.0	U	1	26.0	200	ug/Kg	11/17/25 22:09	PB170576
50-32-8	Benzo(a)pyrene	34.2	U	1	34.2	200	ug/Kg	11/17/25 22:09	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	1	33.7	200	ug/Kg	11/17/25 22:09	PB170576
53-70-3	Dibenzo(a,h)anthracene	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
191-24-2	Benzo(g,h,i)perylene	29.8	U	1	29.8	200	ug/Kg	11/17/25 22:09	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	1	29.7	200	ug/Kg	11/17/25 22:09	PB170576
123-91-1	1,4-Dioxane	52.4	U	1	52.4	200	ug/Kg	11/17/25 22:09	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	1	31.8	200	ug/Kg	11/17/25 22:09	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	121			30 (10) - 130 (105)	81%	SPK: 150		
13127-88-3	Phenol-d6	120			30 (10) - 130 (103)	80%	SPK: 150		
4165-60-0	Nitrobenzene-d5	77.8			30 (10) - 130 (108)	78%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.8			30 (10) - 130 (108)	78%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			30 (10) - 130 (116)	82%	SPK: 150		
1718-51-0	Terphenyl-d14	79.1			30 (10) - 130 (109)	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	36100							
1146-65-2	Naphthalene-d8	135000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	269000							
1719-03-5	Chrysene-d12	356000							
1520-96-3	Perylene-d12	358000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			16.1	ug/Kg		
000057-10-3	n-Hexadecanoic acid	200	J			18.4	ug/Kg		

Raw Data: **BG064795.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114			SDG No.:	Q3649
Lab Sample ID:	Q3649-08			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.08 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	180	J			19.9	ug/Kg		
959085-66-6	Heptadecyl heptafluorobutyrate	150	J			21.4	ug/Kg		
1000131-11-8	Z-5-Nonadecene	99.0	J			24.1	ug/Kg		

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_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	36122	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	135327	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	107446	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	269264	20.000	ng	0.00
76) Chrysene-d12	21.748	240	355916	20.000	ng	0.00
86) Perylene-d12	25.009	264	358460	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	250174	120.940	ng	0.00
7) Phenol-d6	7.306	99	331319	120.422	ng	0.00
23) Nitrobenzene-d5	9.322	82	212928	77.795	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	258052	123.144	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	599039	77.794	ng	0.00
79) Terphenyl-d14	20.092	244	1431969	79.143	ng	0.00
Target Compounds						Qvalue

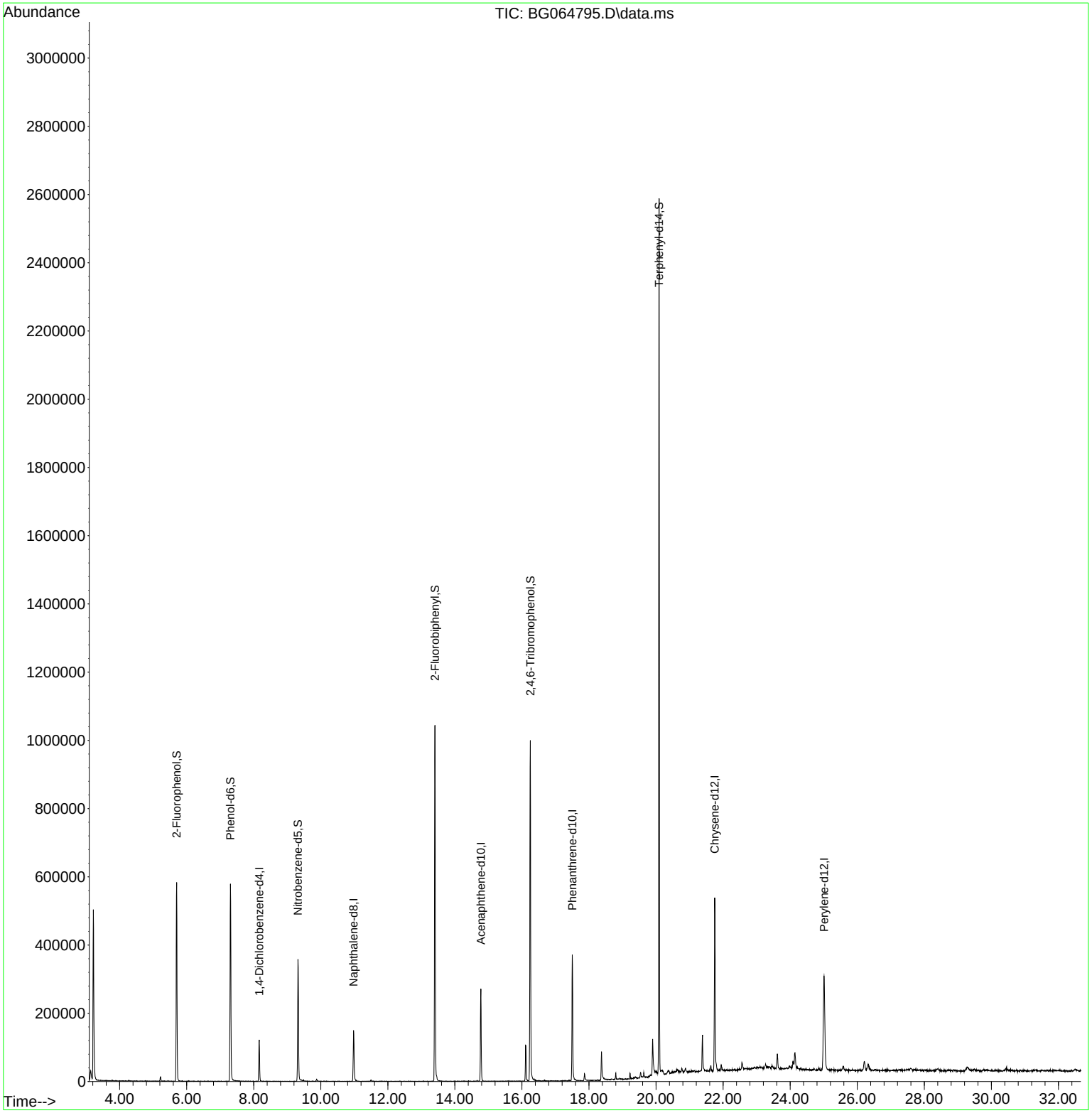
(#) = qualifier out of range (m) = manual integration (+) = signals summed

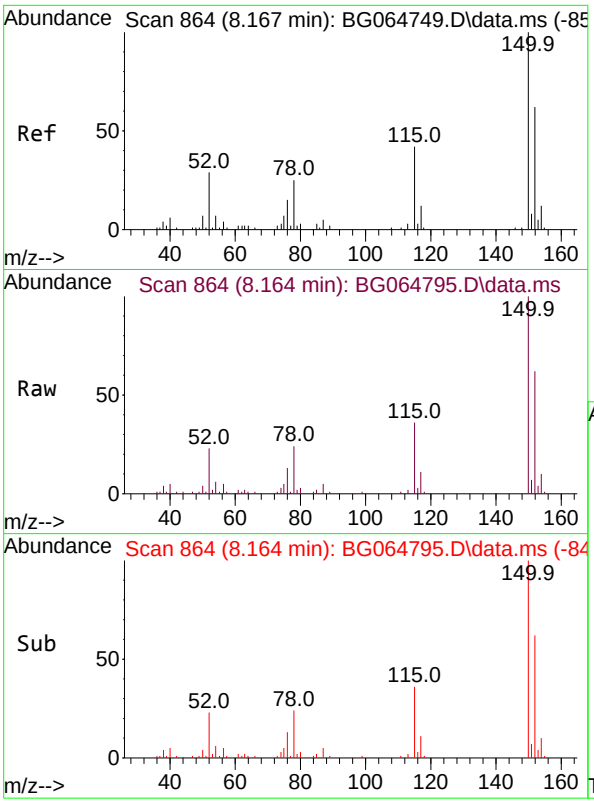
Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Time: Nov 18 00:24:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



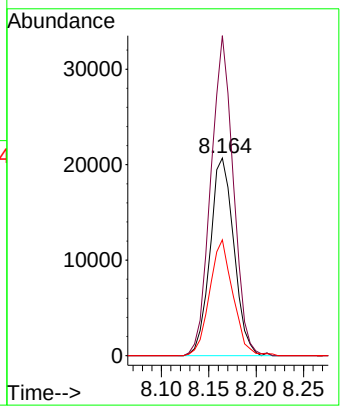


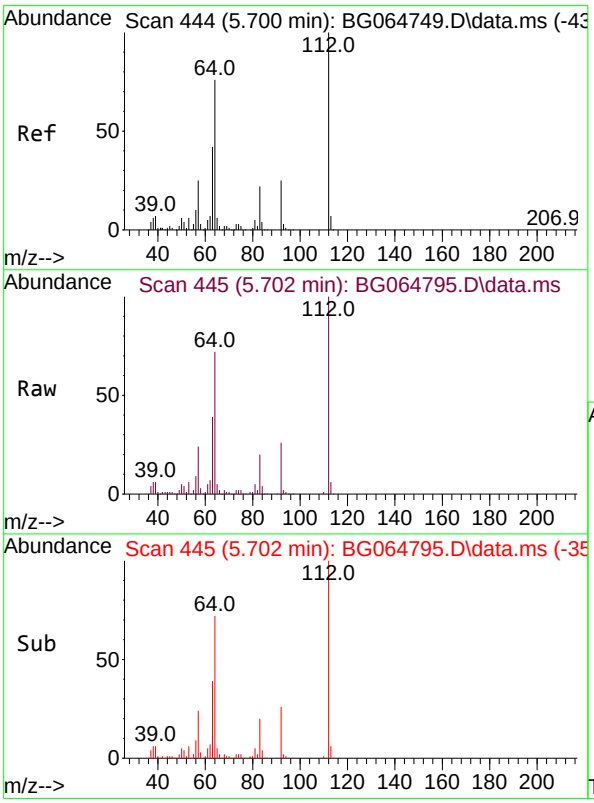
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:152 Resp: 36122

Ion	Ratio	Lower	Upper
152	100		
150	162.0	129.2	193.8
115	58.6	53.7	80.5

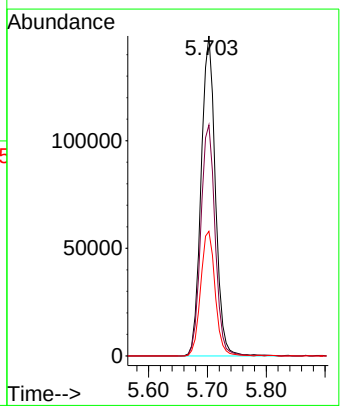


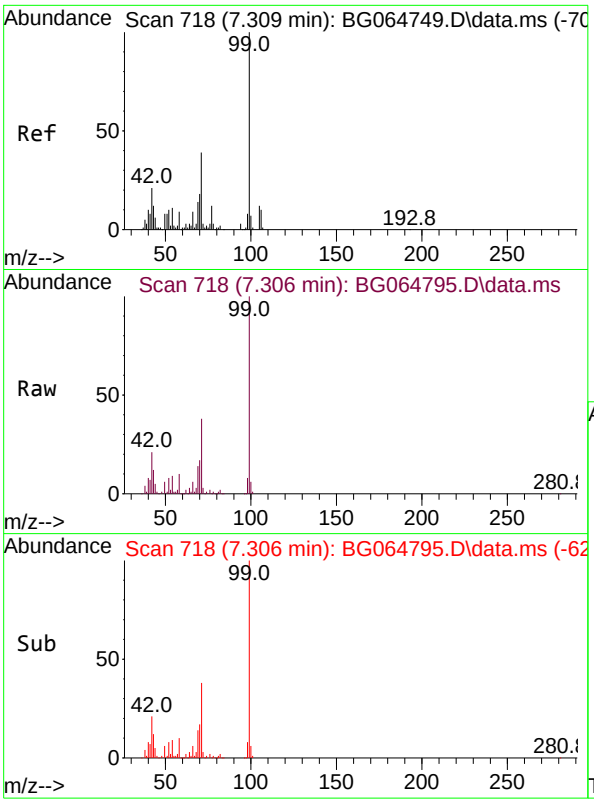


#5
2-Fluorophenol
Concen: 120.940 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:112 Resp: 250174

Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	38.9	33.3	49.9



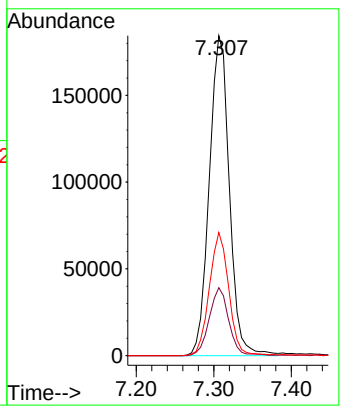


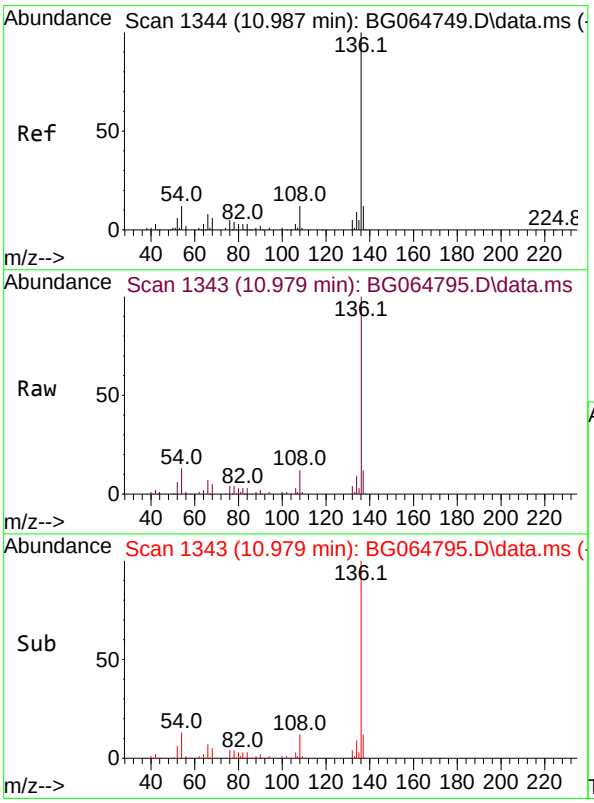
#7
Phenol-d6
Concen: 120.422 ng
RT: 7.306 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 99 Resp: 331319

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	38.5	31.1	46.7

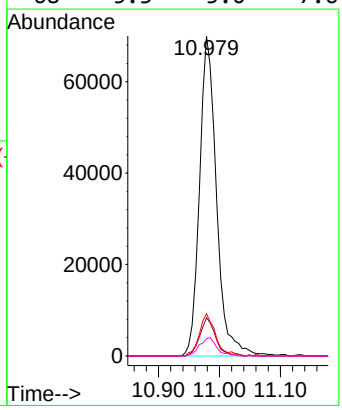


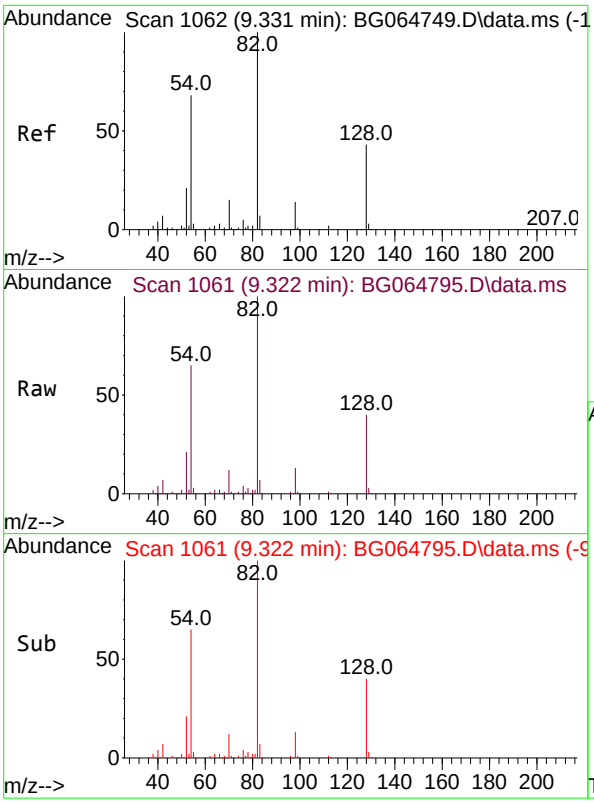


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:136 Resp: 135327

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	13.2	9.3	13.9
68	5.3	5.0	7.6



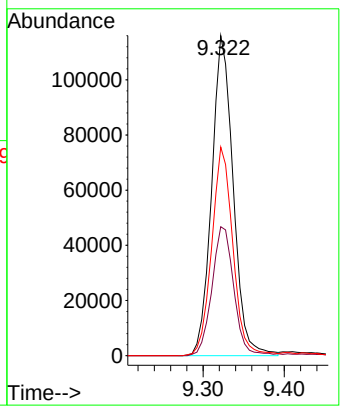


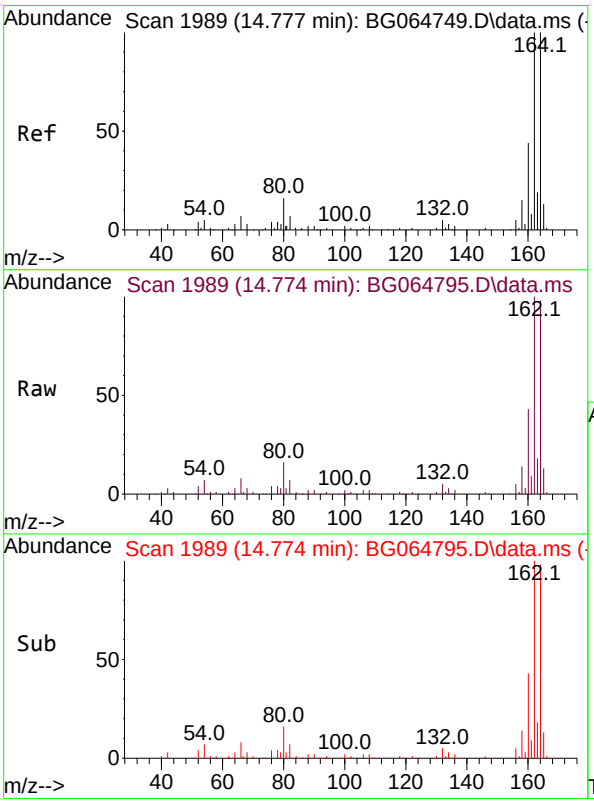
#23
Nitrobenzene-d5
Concen: 77.795 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion: 82 Resp: 212928

Ion	Ratio	Lower	Upper
82	100		
128	40.3	34.1	51.1
54	65.2	54.3	81.5

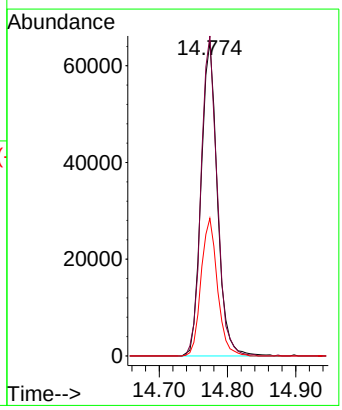


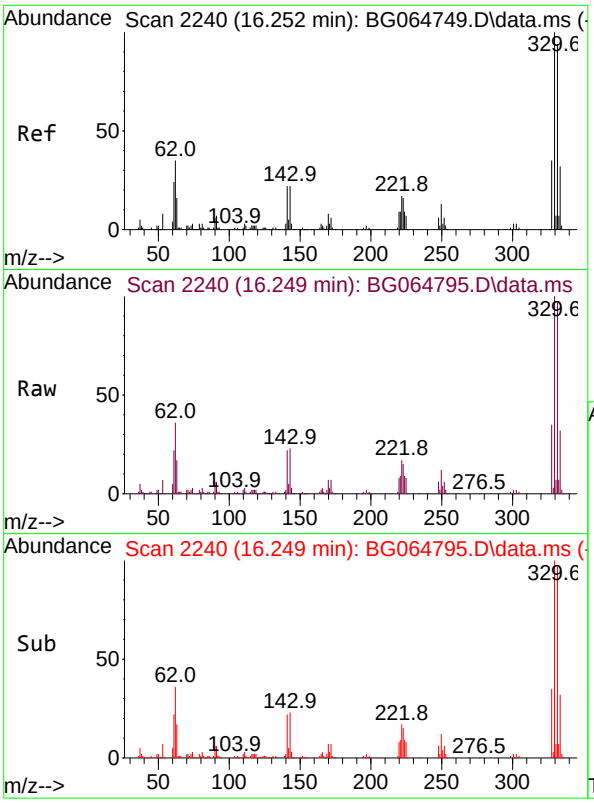


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:164 Resp: 107446

Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.8	119.6
160	43.8	34.9	52.3



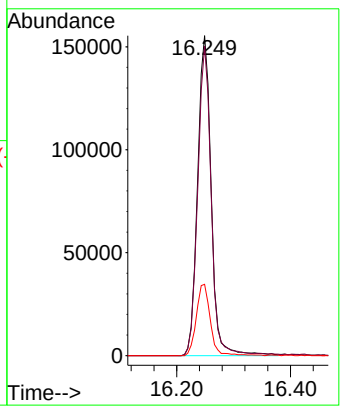


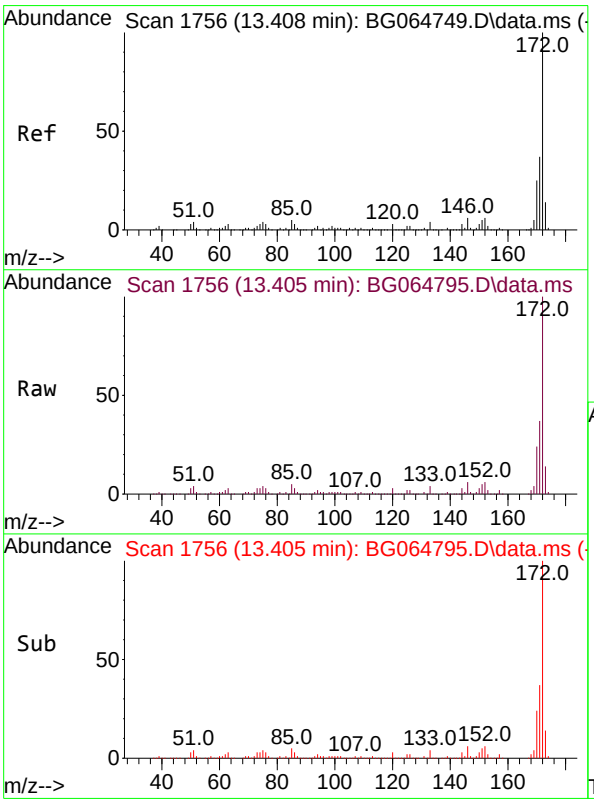
#42
2,4,6-Tribromophenol
Concen: 123.144 ng
RT: 16.249 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:330 Resp: 258052

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	22.8	18.2	27.2

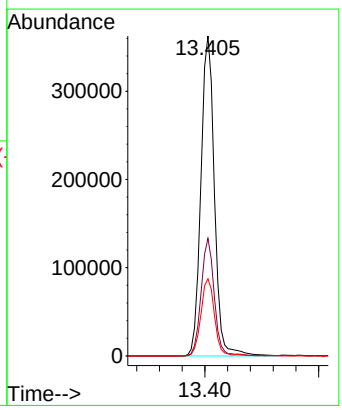


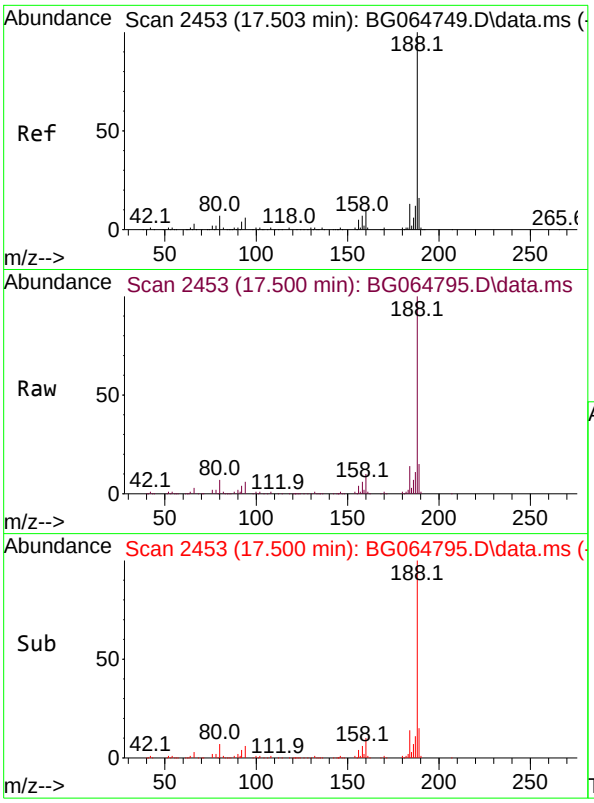


#45
2-Fluorobiphenyl
Concen: 77.794 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:172 Resp: 599039

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	24.1	19.8	29.6



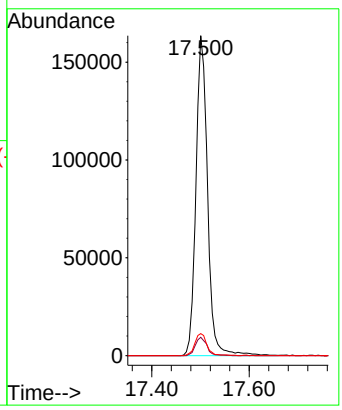


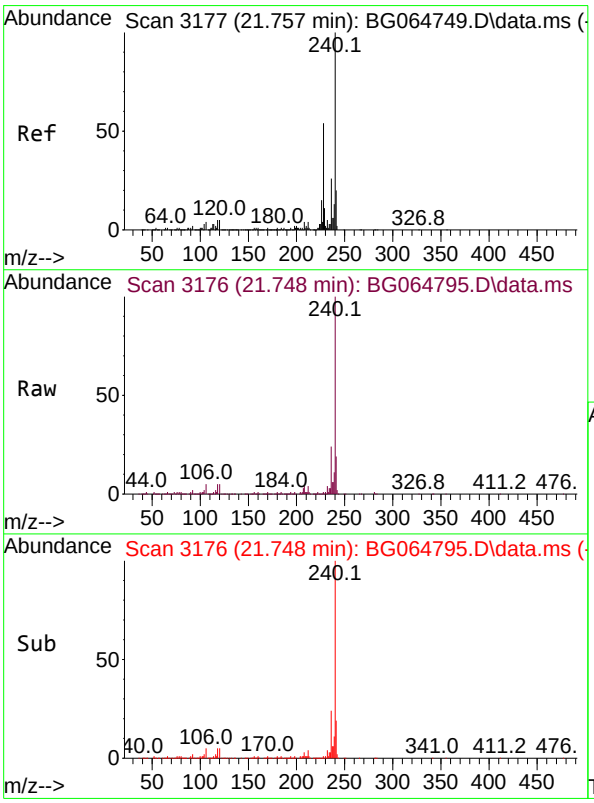
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:188 Resp: 269264

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.9	5.4	8.2

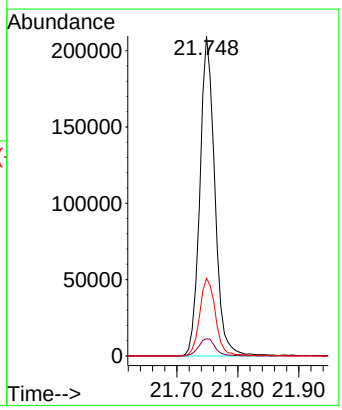


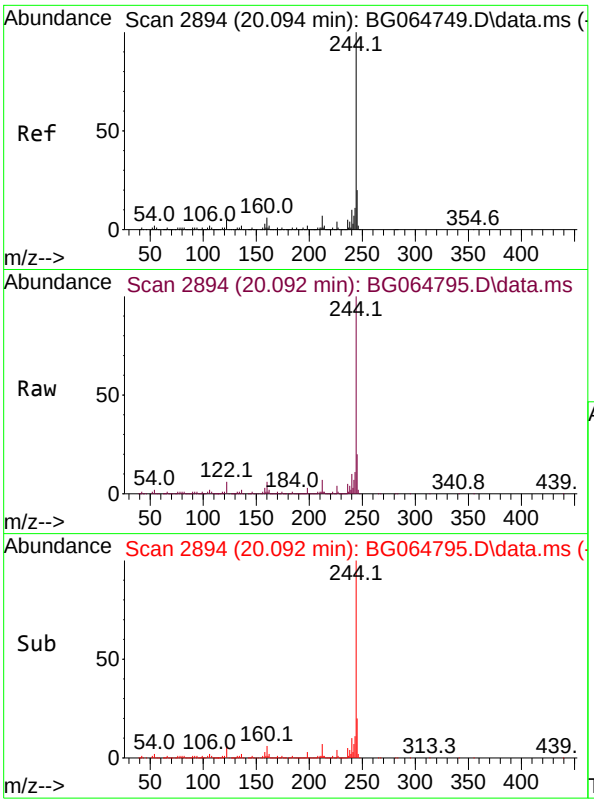


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:240 Resp: 355916

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	24.3	20.8	31.2



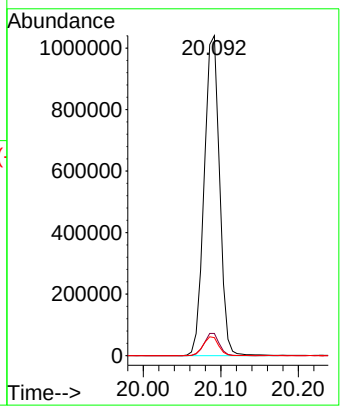


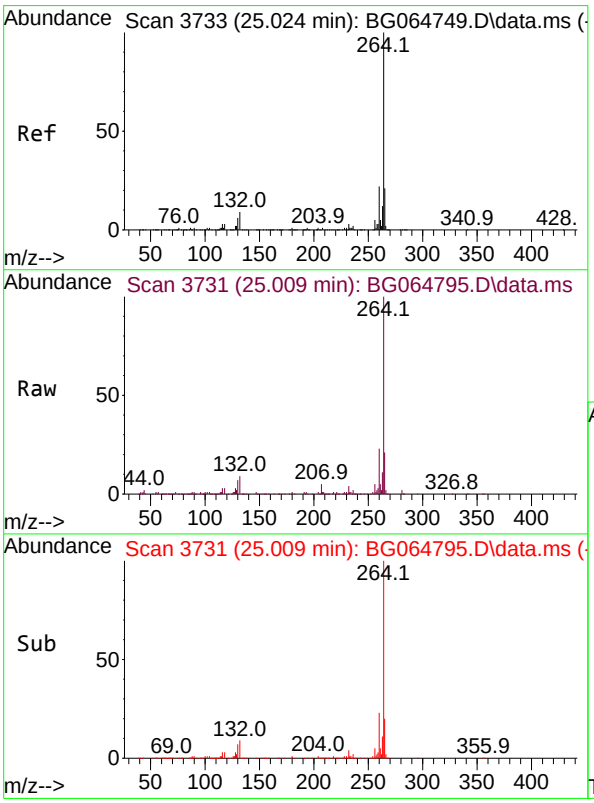
#79
Terphenyl-d14
Concen: 79.143 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Tgt Ion:244 Resp: 1431969

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	5.6	4.3	6.5

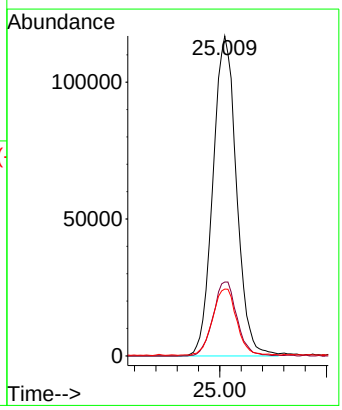




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064795.D
Acq: 17 Nov 2025 22:09

Tgt Ion:264 Resp: 358460

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.2	25.8
265	20.9	16.6	25.0



Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

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_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.141	3	9	16	rBV4	24217	54201	1.54%	0.366%
2	3.217	16	22	37	rVB	498686	845818	23.97%	5.716%
3	5.703	437	445	456	rBV	582903	979510	27.75%	6.619%
4	7.307	710	718	735	rBV	578319	1045738	29.63%	7.067%
5	8.164	857	864	871	rBV	121370	207665	5.88%	1.403%
6	9.322	1052	1061	1073	rBV	357337	656332	18.60%	4.435%
7	10.979	1336	1343	1354	rBV	149379	288408	8.17%	1.949%
8	13.405	1749	1756	1778	rBV	1043189	1691981	47.94%	11.434%
9	14.774	1981	1989	2003	rVB	270649	444816	12.60%	3.006%
10	16.108	2210	2216	2223	rBV	104975	164770	4.67%	1.113%
11	16.249	2233	2240	2259	rBV	998090	1648819	46.72%	11.142%
12	17.500	2446	2453	2464	rBV2	369731	611361	17.32%	4.131%
13	17.865	2510	2515	2525	rBV2	20297	38825	1.10%	0.262%
14	18.370	2595	2601	2613	rBV2	84796	158220	4.48%	1.069%
15	19.898	2856	2861	2871	rBV	106079	216873	6.15%	1.466%
16	20.092	2887	2894	2901	rBV	2564984	3529229	100.00%	23.849%
17	21.384	3109	3114	3124	rVB2	104582	173071	4.90%	1.170%
18	21.748	3169	3176	3188	rBV	506689	907500	25.71%	6.132%
19	23.617	3488	3494	3499	rBV5	42987	79739	2.26%	0.539%
20	24.140	3578	3583	3591	rVB4	45501	111105	3.15%	0.751%
21	25.009	3721	3731	3749	rVB	274127	868887	24.62%	5.871%
22	26.214	3929	3936	3945	rVB4	27228	75556	2.14%	0.511%

Sum of corrected areas: 14798424

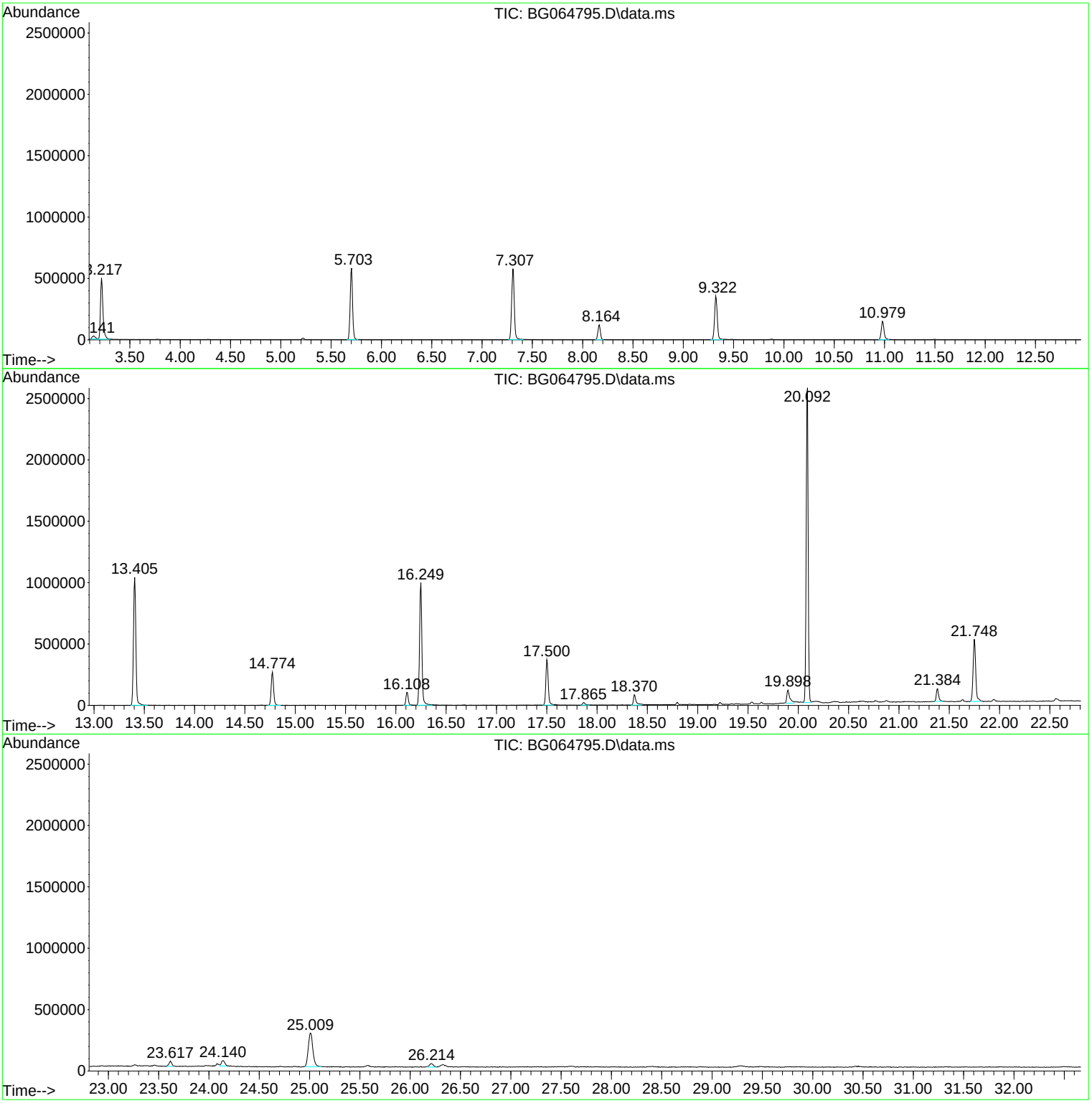
Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

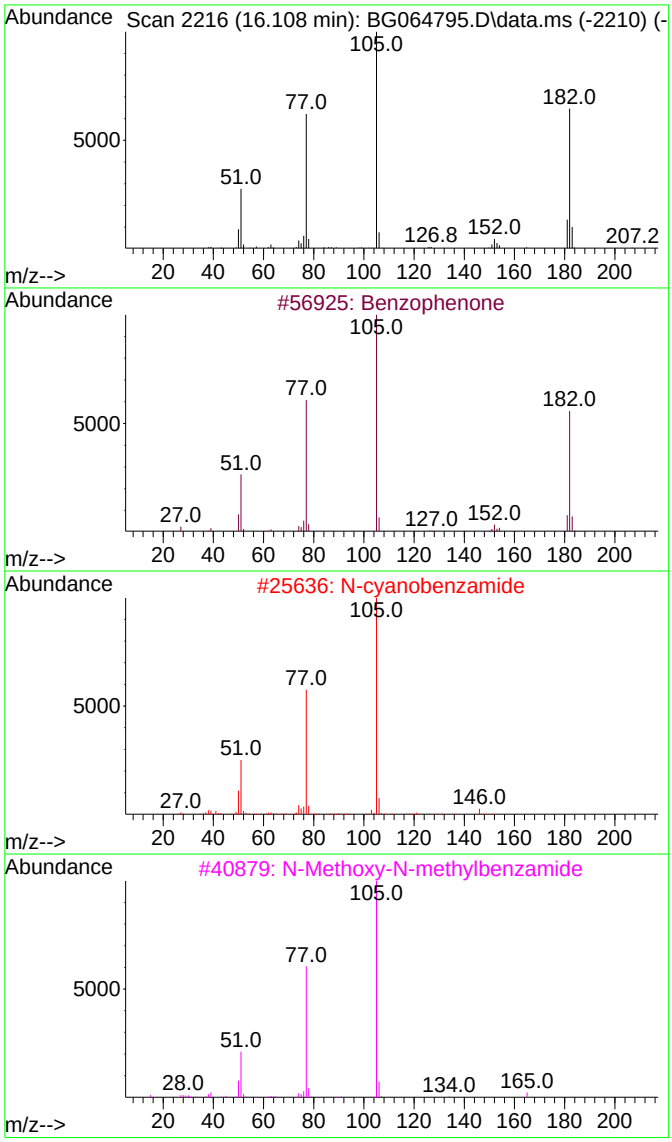
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

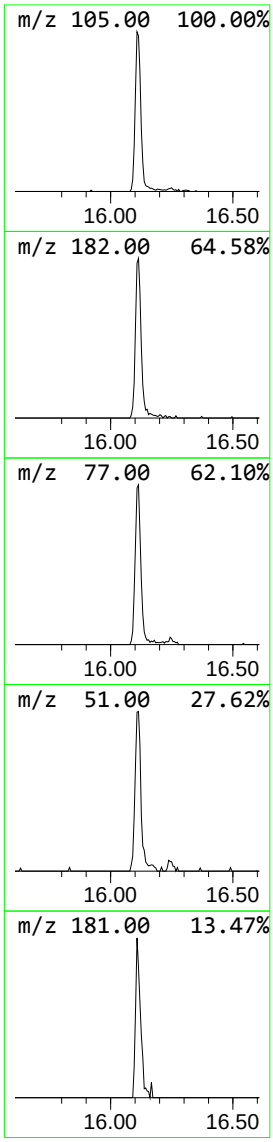
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.108	7.41 ng	164770	Acenaphthene-d10	14.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

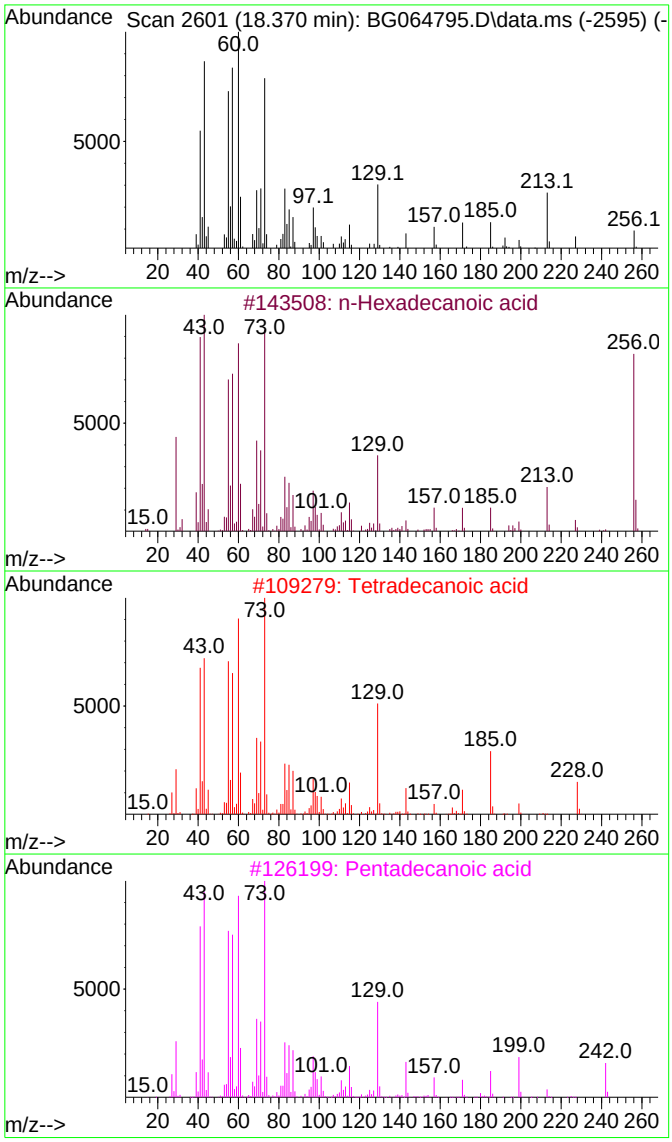
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

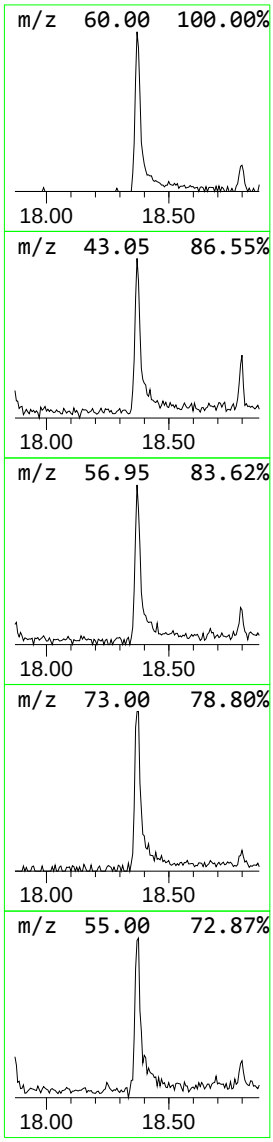
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.370	5.18 ng	158220	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50





Sample Results: **BG064795.D**

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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On    : 17 Nov 2025  22:09
Operator  : RC/JU
Sample    : Q3649-08
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

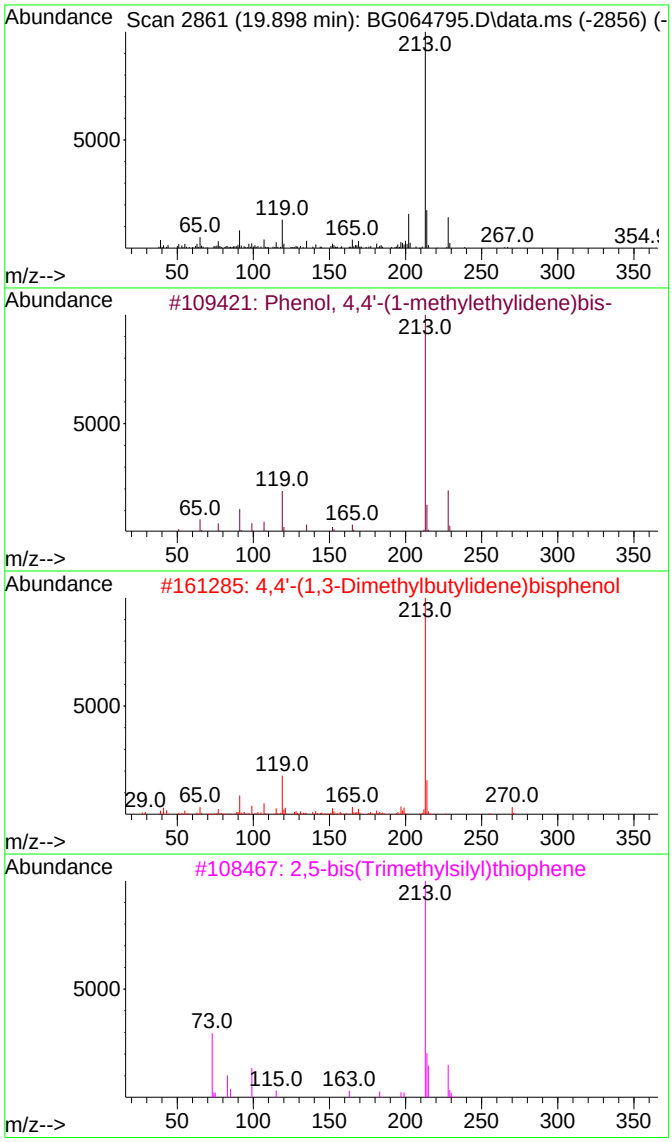
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

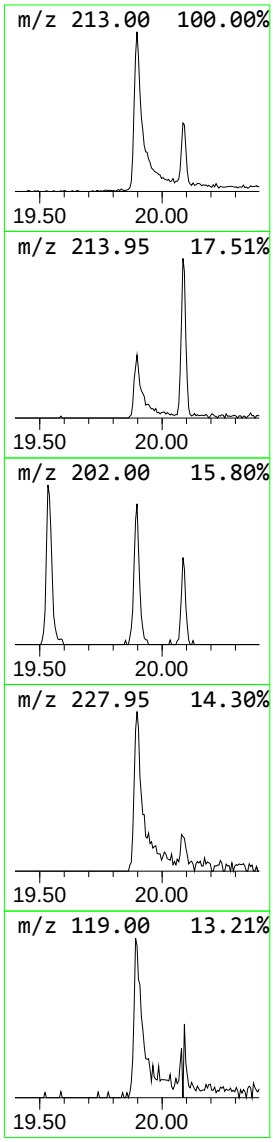
****

Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.898	4.78 ng	216873	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	90
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	59
3	2,5-bis(Trimethylsilyl)thiophene	228	C10H20SSi2	017906-71-7	53
4	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	53
5	1-Methyl-1-n-octyloxy-1-silacycl...	228	C13H28OSi	1010216-91-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

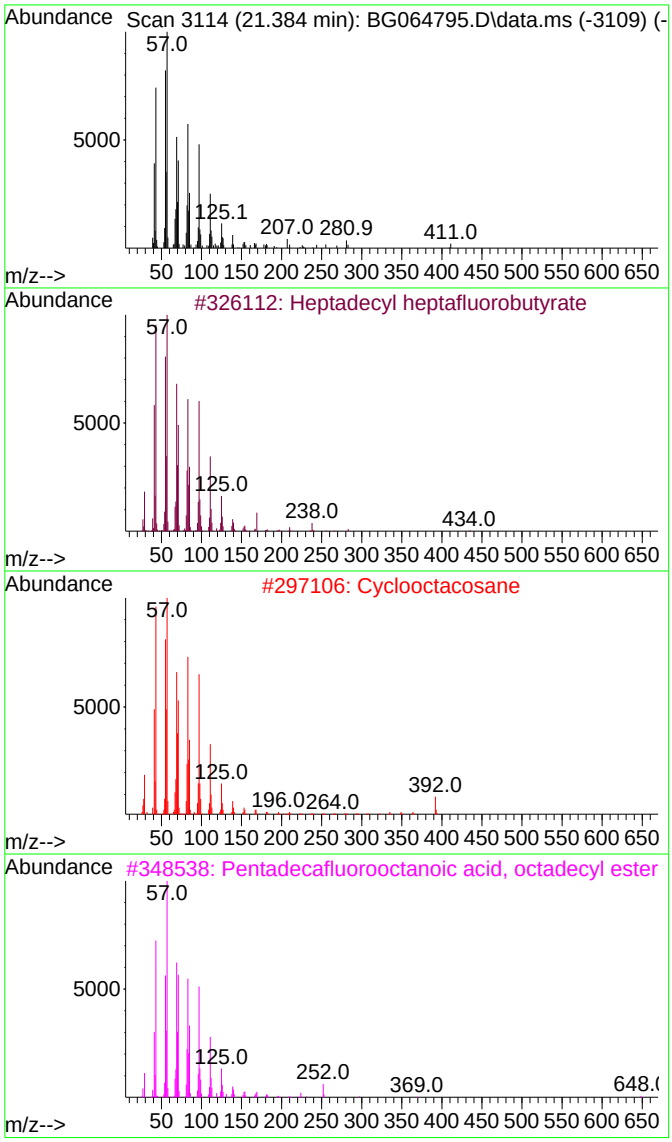
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

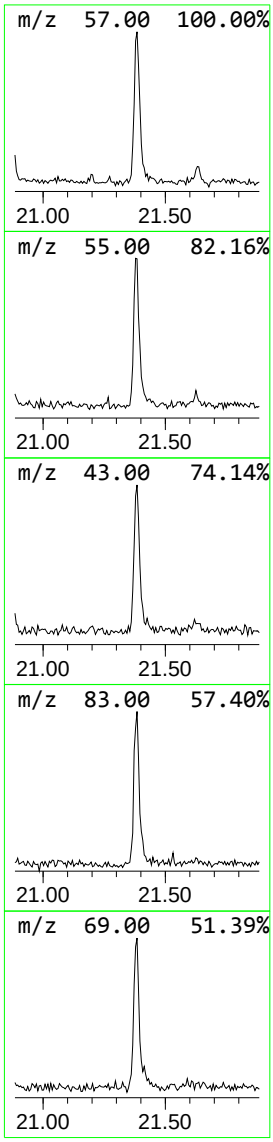
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.384	3.81 ng	173071	Chrysene-d12	21.748

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
2	Cyclooctacosane	392	C28H56	000297-24-5	91
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
4	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	91
5	Docosyl heptafluorobutyrate	522	C26H45F7O2	1000351-83-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

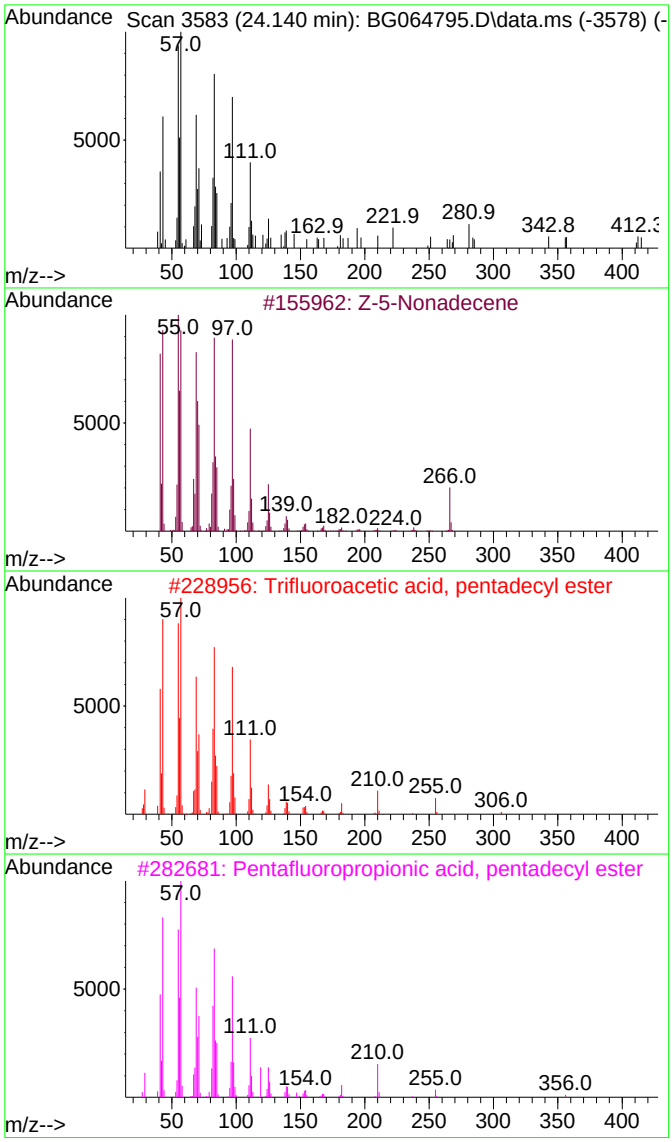
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

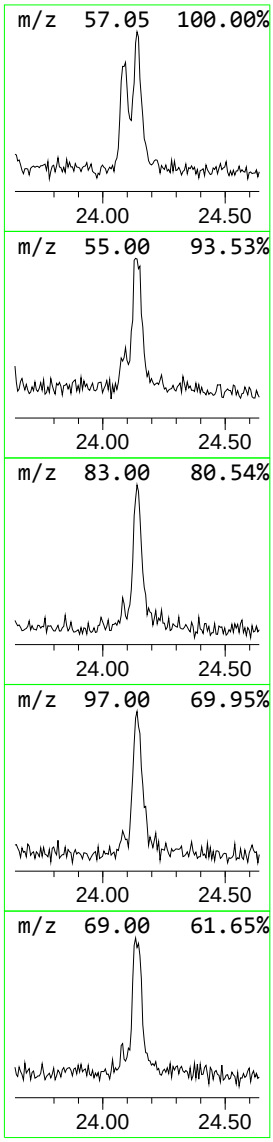
****

Peak Number 7 Z-5-Nonadecene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.140	2.56 ng	111105	Perylene-d12	25.009

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	90
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	81
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	81
4	9-Nonadecene	266	C19H38	031035-07-1	81
5	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	76





Sample Results: **BG064795.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064795.D
Acq On : 17 Nov 2025 22:09
Operator : RC/JU
Sample : Q3649-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	16.108	7.4	ng	164770	3	14.774	444816	20.0
n-Hexadecanoic ...	18.370	5.2	ng	158220	4	17.500	611361	20.0
Phenol, 4,4'-(1...	19.898	4.8	ng	216873	5	21.748	907500	20.0
Heptadecyl hept...	21.384	3.8	ng	173071	5	21.748	907500	20.0
Z-5-Nonadecene	24.140	2.6	ng	111105	6	25.009	868887	20.0

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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.278	5.6
Benzaldehyde			1.033	0.917	0.816	0.672	0.818	17.0
Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.448	7.1
Phenol		1.845	1.896	1.840	1.858	1.562	1.769	7.6
bis(2-Chloroethyl)ether		1.278	1.333	1.342	1.316	1.155	1.289	5.2
2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.253	4.6
2-Methylphenol		1.031	1.054	1.007	1.033	0.895	0.997	5.4
2,2-oxybis(1-Chloropropane)		2.408	2.470	2.496	2.418	2.147	2.374	5.5
Acetophenone		0.479	0.464	0.434	0.434	0.380	0.429	8.3
3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	9.2
n-Nitroso-di-n-propylamine	0.998	1.010	1.023	0.996	0.950	0.813	0.953	7.4
Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.346	4.1
Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.515	4.9
Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.376	4.9
Isophorone		0.659	0.668	0.669	0.673	0.581	0.655	5.1
2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.186	6.5
2,4-Dimethylphenol		0.281	0.278	0.265	0.298	0.260	0.279	5.1
bis(2-Chloroethoxy)methane		0.426	0.417	0.412	0.423	0.372	0.409	5.0
2,4-Dichlorophenol		0.334	0.342	0.330	0.331	0.289	0.322	6.2
Naphthalene		1.019	1.008	0.982	0.969	0.850	0.951	6.7
4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.347	6.1
Hexachlorobutadiene		0.256	0.250	0.252	0.259	0.232	0.249	4.0
Caprolactam			0.094	0.093	0.092	0.075	0.088	8.1
4-Chloro-3-methylphenol		0.283	0.307	0.304	0.297	0.259	0.288	5.8
2-Methylnaphthalene		0.702	0.672	0.665	0.647	0.559	0.636	8.0
Hexachlorocyclopentadiene			0.121	0.142	0.200	0.204	0.195	27.8
2,4,6-Trichlorophenol		0.440	0.449	0.449	0.456	0.409	0.446	5.5
2-Fluorobiphenyl		1.598	1.428	1.361	1.350	1.177	1.354	10.7
2,4,5-Trichlorophenol		0.497	0.489	0.497	0.489	0.438	0.481	5.1
1,1-Biphenyl		1.535	1.446	1.425	1.408	1.239	1.396	7.5
2-Chloronaphthalene		1.303	1.216	1.206	1.204	1.068	1.191	7.1
2-Nitroaniline		0.302	0.347	0.349	0.361	0.326	0.344	6.8
Dimethylphthalate		1.437	1.343	1.359	1.345	1.168	1.325	6.7
Acenaphthylene		1.727	1.686	1.677	1.645	1.440	1.623	6.6

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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.251	0.271	0.271	0.276	0.252	0.268	5.2
3-Nitroaniline		0.271	0.301	0.302	0.315	0.264	0.293	7.1
Acenaphthene		1.138	1.162	1.120	1.096	0.956	1.085	6.9
2,4-Dinitrophenol			0.202	0.166	0.140	0.133	0.162	15.0
4-Nitrophenol			0.273	0.202	0.204	0.185	0.212	14.6
Dibenzofuran		1.644	1.600	1.586	1.551	1.337	1.520	8.0
2,4-Dinitrotoluene		0.322	0.377	0.372	0.385	0.328	0.359	7.1
Diethylphthalate		1.294	1.273	1.254	1.254	1.075	1.221	6.3
4-Chlorophenyl-phenylether		0.711	0.701	0.678	0.685	0.570	0.658	7.9
Fluorene		1.295	1.223	1.197	1.180	0.997	1.156	8.9
4-Nitroaniline		0.273	0.290	0.293	0.288	0.254	0.279	5.1
4,6-Dinitro-2-methylphenol			0.147	0.138	0.130	0.120	0.136	7.0
n-Nitrosodiphenylamine		0.695	0.676	0.635	0.646	0.577	0.643	6.1
2,4,6-Tribromophenol		0.242	0.257	0.257	0.265	0.227	0.251	5.3
4-Bromophenyl-phenylether		0.264	0.260	0.255	0.263	0.228	0.255	5.2
Hexachlorobenzene		0.306	0.306	0.305	0.300	0.273	0.301	4.7
Atrazine		0.215	0.211	0.215	0.206	0.180	0.205	6.3
Pentachlorophenol			0.135	0.144	0.156	0.137	0.150	8.8
Phenanthrene		1.103	1.042	0.986	1.009	0.892	0.996	6.9
Anthracene		1.120	1.059	1.027	1.022	0.897	1.013	7.4
Carbazole		0.938	0.917	0.882	0.878	0.762	0.861	7.4
Di-n-butylphthalate		1.075	1.101	1.077	1.070	0.917	1.041	6.3
Fluoranthene		1.117	1.066	1.053	1.054	0.910	1.029	6.8
Pyrene		1.763	1.745	1.631	1.704	1.372	1.613	8.8
Terphenyl-d14		1.403	1.415	1.274	1.317	1.042	1.259	10.7
Butylbenzylphthalate		0.565	0.590	0.550	0.590	0.499	0.559	5.6
3,3-Dichlorobenzidine			0.453	0.461	0.482	0.441	0.475	6.8
Benzo(a)anthracene		1.455	1.340	1.330	1.430	1.290	1.386	5.4
Chrysene		1.276	1.245	1.279	1.403	1.164	1.280	5.7
Bis(2-ethylhexyl)phthalate		0.773	0.739	0.755	0.816	0.705	0.765	4.9
Di-n-octyl phthalate			1.163	1.272	1.410	1.269	1.320	7.9
Benzo(b)fluoranthene		1.199	1.133	1.114	1.233	1.002	1.137	6.4
Benzo(k)fluoranthene		1.077	1.094	1.083	1.041	0.999	1.064	4.4
Benzo(a)pyrene		1.064	1.050	1.058	1.077	0.963	1.049	4.2
Indeno(1,2,3-cd)pyrene		1.450	1.411	1.447	1.485	1.311	1.436	4.6

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date(s): 11/05/2025 11/05/2025

Calibration Time(s): 12:50 16:49

LAB FILE ID: RRF2.5 = BF144169.D RRF005 = BF144170.D RRF010 = BF144171.D
RRF020 = BF144172.D RRF040 = BF144173.D RRF050 = BF144174.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.155	1.155	1.175	1.198	1.040	1.153	4.8
Benzo(g,h,i)perylene		1.095	1.125	1.153	1.191	1.028	1.139	5.7
1,2,4,5-Tetrachlorobenzene		0.677	0.662	0.659	0.675	0.588	0.655	6.6
1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.528	5.7
2,3,4,6-Tetrachlorophenol		0.308	0.347	0.336	0.358	0.316	0.340	6.6

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144169.D 5 =BF144170.D 10 =BF144171.D 20 =BF144172.D 40 =BF144173.D 50 =BF144174.D 60 =BF144175.D 80 =BF1441
76.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.526	0.487	0.518	0.554	0.500	0.573	0.540	0.528	5.68
3)		Pyridine		1.374	1.406	1.491	1.520	1.378	1.607	1.543	1.474	6.12
4)		n-Nitrosodimet...			0.719	0.726	0.775	0.723	0.868	0.810	0.770	7.79
5)	S	2-Fluorophenol		1.332	1.303	1.316	1.315	1.157	1.330	1.193	1.278	5.62
6)		Aniline		2.194	2.169	2.114	2.067	1.841	2.139	1.920	2.063	6.46
7)	S	Phenol-d6		1.566	1.518	1.511	1.460	1.281	1.461	1.339	1.448	7.08
8)		2-Chlorophenol		1.242	1.309	1.292	1.281	1.152	1.293	1.204	1.253	4.59
9)		Benzaldehyde			1.033	0.917	0.816	0.672	0.786	0.683	0.818	16.99
10)	C	Phenol		1.845	1.896	1.840	1.858	1.562	1.790	1.594	1.769	7.60
11)		bis(2-Chloroet...		1.278	1.333	1.342	1.316	1.155	1.341	1.259	1.289	5.22
12)		1,3-Dichlorobe...		1.677	1.573	1.583	1.541	1.397	1.586	1.468	1.547	5.86
13)	C	1,4-Dichlorobe...		1.669	1.563	1.583	1.591	1.372	1.604	1.464	1.549	6.40
14)		1,2-Dichlorobe...		1.651	1.510	1.488	1.485	1.325	1.533	1.404	1.485	6.88
15)		Benzyl Alcohol			1.140	1.188	1.161	1.050	1.197	1.145	1.147	4.61
16)		2,2'-oxybis(1-...		2.408	2.470	2.496	2.418	2.147	2.442	2.238	2.374	5.50
17)		2-Methylphenol		1.031	1.054	1.007	1.033	0.895	1.002	0.958	0.997	5.44
18)		Hexachloroethane		0.512	0.513	0.532	0.532	0.467	0.543	0.504	0.515	4.90
19)	P	n-Nitroso-di-n...	0.998	1.010	1.023	0.996	0.950	0.813	0.937	0.900	0.953	7.38
20)		3+4-Methylphenols			1.330	1.223	1.215	1.030	1.175	1.080	1.175	9.16
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.479	0.464	0.434	0.434	0.380	0.421	0.391	0.429	8.34
23)	S	Nitrobenzene-d5		0.343	0.352	0.349	0.360	0.321	0.361	0.338	0.346	4.07
24)		Nitrobenzene		0.370	0.390	0.376	0.388	0.342	0.398	0.368	0.376	4.90
25)		Isophorone		0.659	0.668	0.669	0.673	0.581	0.675	0.659	0.655	5.05
26)	C	2-Nitrophenol		0.167	0.187	0.191	0.197	0.174	0.200	0.186	0.186	6.47
27)		2,4-Dimethylph...		0.281	0.278	0.265	0.298	0.260	0.295	0.275	0.279	5.08
28)		bis(2-Chloroet...		0.426	0.417	0.412	0.423	0.372	0.423	0.390	0.409	5.02
29)	C	2,4-Dichloroph...		0.334	0.342	0.330	0.331	0.289	0.326	0.297	0.322	6.20
30)		1,2,4-Trichlor...		0.350	0.349	0.332	0.337	0.296	0.335	0.312	0.330	5.96
31)		Naphthalene		1.019	1.008	0.982	0.969	0.850	0.952	0.880	0.951	6.71
32)		Benzoic acid			0.268	0.220	0.180	0.165	0.190	0.204	0.204	17.90
33)		4-Chloroaniline		0.358	0.364	0.355	0.362	0.309	0.355	0.326	0.347	6.07
34)	C	Hexachlorobuta...		0.256	0.250	0.252	0.259	0.232	0.254	0.238	0.249	4.03
35)		Caprolactam			0.094	0.093	0.092	0.075	0.087	0.088	0.088	8.10
36)	C	4-Chloro-3-met...		0.283	0.307	0.304	0.297	0.259	0.290	0.277	0.288	5.77
37)		2-Methylnaphth...		0.702	0.672	0.665	0.647	0.559	0.623	0.583	0.636	7.98
38)		1-Methylnaphth...		0.667	0.681	0.632	0.620	0.536	0.600	0.561	0.614	8.61

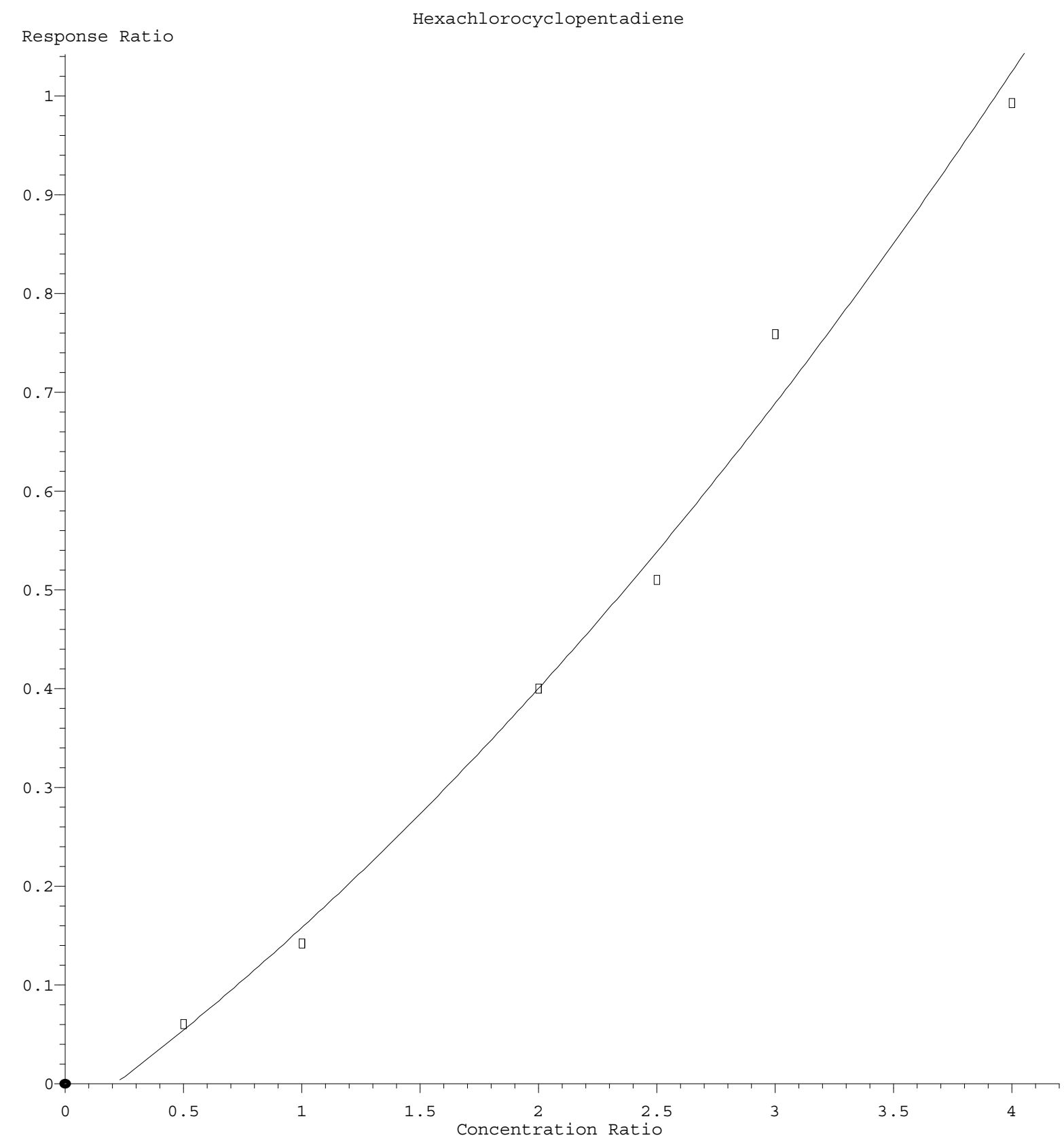
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.677	0.662	0.659	0.675	0.588	0.716	0.611	0.655	6.57
41)	P	Hexachlorocycl...		0.121	0.142	0.200	0.204	0.253	0.248	0.195	27.78
42)	S	2,4,6-Tribromo...	0.242	0.257	0.257	0.265	0.227	0.261	0.249	0.251	5.27
43)	C	2,4,6-Trichlor...	0.440	0.449	0.449	0.456	0.409	0.489	0.431	0.446	5.49
44)		2,4,5-Trichlor...	0.497	0.489	0.497	0.489	0.438	0.502	0.456	0.481	5.05
45)	S	2-Fluorobiphenyl	1.598	1.428	1.361	1.350	1.177	1.381	1.183	1.354	10.72
46)		1,1'-Biphenyl	1.535	1.446	1.425	1.408	1.239	1.450	1.270	1.396	7.52
47)		2-Chloronaphth...	1.303	1.216	1.206	1.204	1.068	1.252	1.087	1.191	7.12
48)		2-Nitroaniline	0.302	0.347	0.349	0.361	0.326	0.374	0.345	0.344	6.84
49)		Acenaphthylene	1.727	1.686	1.677	1.645	1.440	1.678	1.506	1.623	6.57
50)		Dimethylphthalate	1.437	1.343	1.359	1.345	1.168	1.375	1.247	1.325	6.71
51)		2,6-Dinitrotol...	0.251	0.271	0.271	0.276	0.252	0.290	0.266	0.268	5.16
52)	C	Acenaphthene	1.138	1.162	1.120	1.096	0.956	1.117	1.007	1.085	6.90
53)		3-Nitroaniline	0.271	0.301	0.302	0.315	0.264	0.316	0.283	0.293	7.07
54)	P	2,4-Dinitrophenol		0.202	0.166	0.140	0.133	0.168	0.164	0.162	14.99
55)		Dibenzofuran	1.644	1.600	1.586	1.551	1.337	1.562	1.359	1.520	7.99
56)	P	4-Nitrophenol		0.273	0.202	0.204	0.185	0.211	0.198	0.212	14.64
57)		2,4-Dinitrotol...	0.322	0.377	0.372	0.385	0.328	0.377	0.353	0.359	7.07
58)		Fluorene	1.295	1.223	1.197	1.180	0.997	1.149	1.048	1.156	8.88
59)		2,3,4,6-Tetrac...	0.308	0.347	0.336	0.358	0.316	0.372	0.345	0.340	6.58
60)		Diethylphthalate	1.294	1.273	1.254	1.254	1.075	1.237	1.163	1.221	6.27
61)		4-Chlorophenyl...	0.711	0.701	0.678	0.685	0.570	0.659	0.605	0.658	7.92
62)		4-Nitroaniline	0.273	0.290	0.293	0.288	0.254	0.288	0.268	0.279	5.10
63)		Azobenzene	1.157	1.203	1.145	1.164	0.995	1.197	1.096	1.137	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.147	0.138	0.130	0.120	0.142	0.138	0.136	6.99
66)	c	n-Nitrosodiphe...	0.695	0.676	0.635	0.646	0.577	0.660	0.614	0.643	6.12
67)		4-Bromophenyl-...	0.264	0.260	0.255	0.263	0.228	0.266	0.252	0.255	5.18
68)		Hexachlorobenzene	0.306	0.306	0.305	0.300	0.273	0.319	0.296	0.301	4.74
69)		Atrazine	0.215	0.211	0.215	0.206	0.180	0.210	0.196	0.205	6.26
70)	C	Pentachlorophenol		0.135	0.144	0.156	0.137	0.162	0.165	0.150	8.76
71)		Phenanthrene	1.103	1.042	0.986	1.009	0.892	1.003	0.937	0.996	6.87
72)		Anthracene	1.120	1.059	1.027	1.022	0.897	1.027	0.936	1.013	7.37
73)		Carbazole	0.938	0.917	0.882	0.878	0.762	0.854	0.794	0.861	7.36
74)		Di-n-butylphth...	1.075	1.101	1.077	1.070	0.917	1.059	0.986	1.041	6.27
75)	C	Fluoranthene	1.117	1.066	1.053	1.054	0.910	1.043	0.958	1.029	6.84
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.707	0.519	0.624	0.512	0.635	0.553	0.592	12.98
78)		Pyrene	1.763	1.745	1.631	1.704	1.372	1.569	1.504	1.613	8.79
79)	S	Terphenyl-d14	1.403	1.415	1.274	1.317	1.042	1.208	1.155	1.259	10.71
80)		Butylbenzylpht...	0.565	0.590	0.550	0.590	0.499	0.570	0.549	0.559	5.60
81)		Benzo(a)anthra...	1.455	1.340	1.330	1.430	1.290	1.493	1.366	1.386	5.37
82)		3,3'-Dichlorob...		0.453	0.461	0.482	0.441	0.532	0.481	0.475	6.77
83)		Chrysene	1.276	1.245	1.279	1.403	1.164	1.326	1.263	1.280	5.72
84)		Bis(2-ethylhex...	0.773	0.739	0.755	0.816	0.705	0.803	0.764	0.765	4.92
85)	c	Di-n-octyl pht...		1.163	1.272	1.410	1.269	1.442	1.364	1.320	7.91

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.450	1.411	1.447	1.485	1.311	1.521	1.425	1.436	4.62
88)		Benzo(b)fluora...	1.199	1.133	1.114	1.233	1.002	1.134	1.143	1.137	6.40
89)		Benzo(k)fluora...	1.077	1.094	1.083	1.041	0.999	1.134	1.021	1.064	4.36
90)	C	Benzo(a)pyrene	1.064	1.050	1.058	1.077	0.963	1.103	1.029	1.049	4.23
91)		Dibenzo(a,h)an...	1.155	1.155	1.175	1.198	1.040	1.209	1.138	1.153	4.85
92)		Benzo(g,h,i)pe...	1.095	1.125	1.153	1.191	1.028	1.228	1.150	1.139	5.70

(#) = Out of Range



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85230	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	335743	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	195513	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	365872	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241412	20.000	ng	0.00
86) Perylene-d12	15.539	264	241479	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...	7.275	70	10629	2.616	ng	# 98

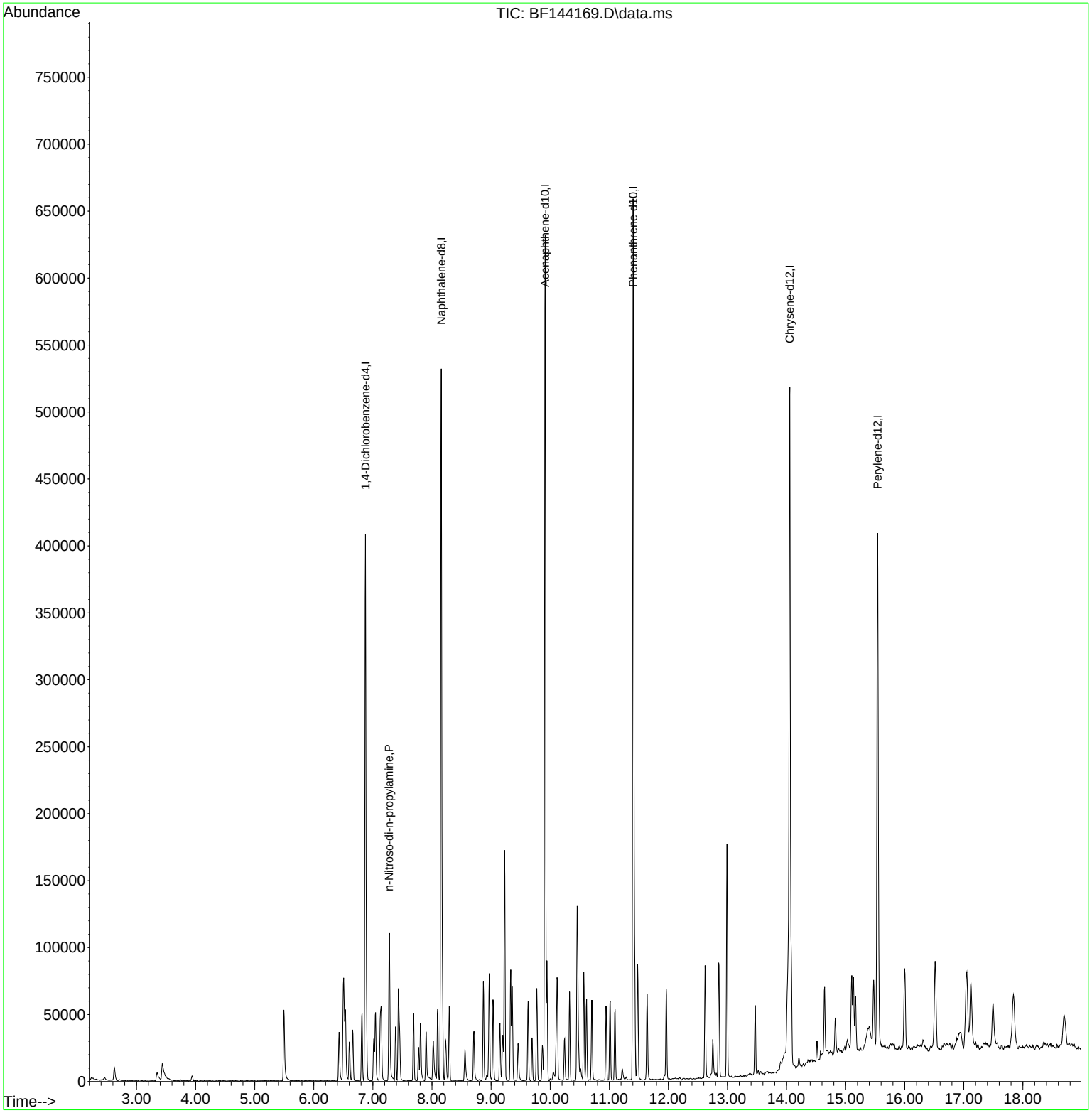
(#) = qualifier out of range (m) = manual integration (+) = signals summed

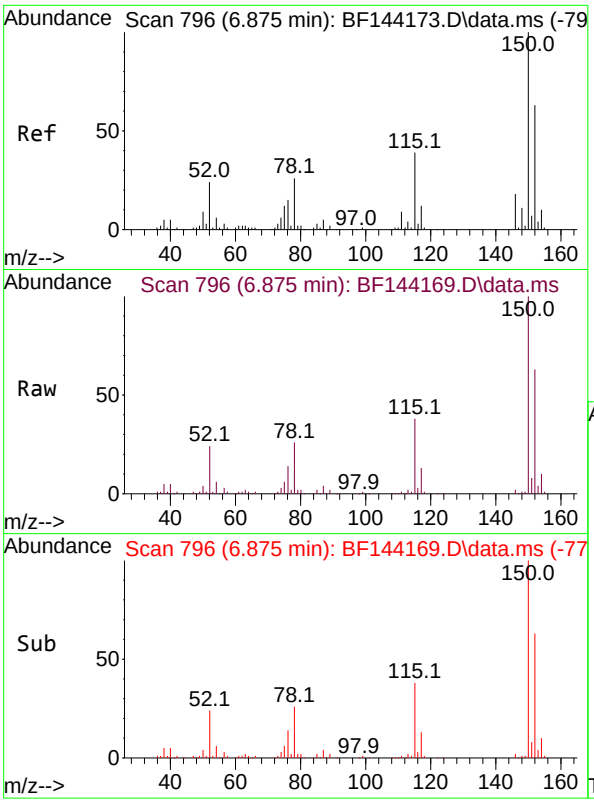
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144169.D
Acq On : 05 Nov 2025 12:50
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 17:42:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



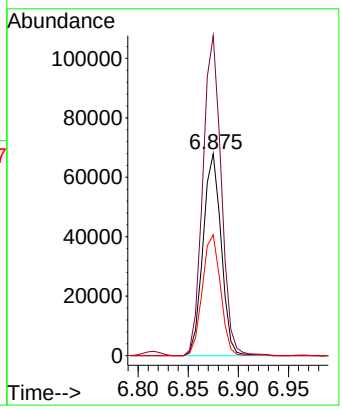


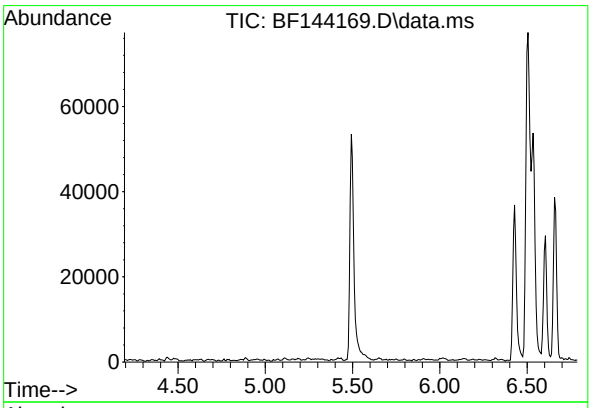
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 85230

Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.4	191.0
115	59.9	49.5	74.3



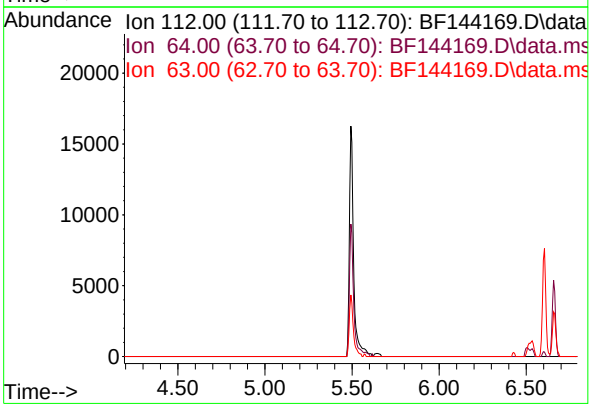


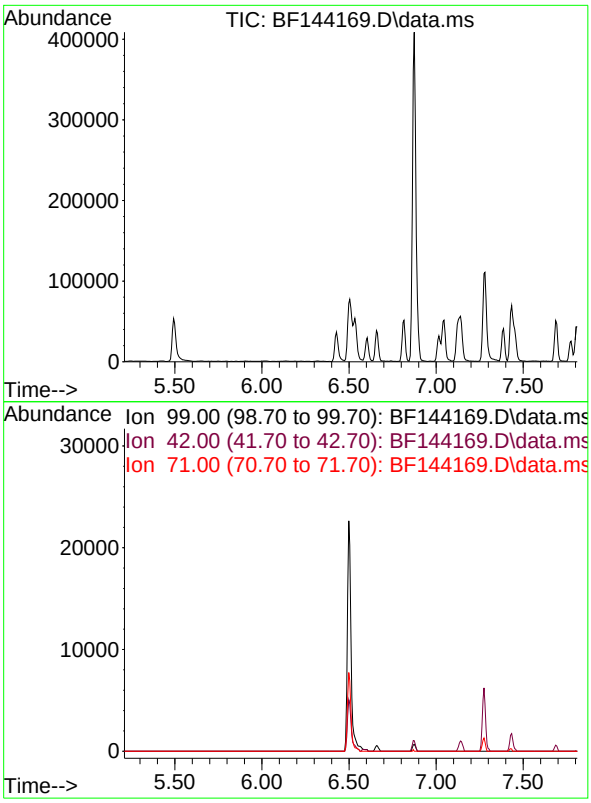
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.0
63	30.5





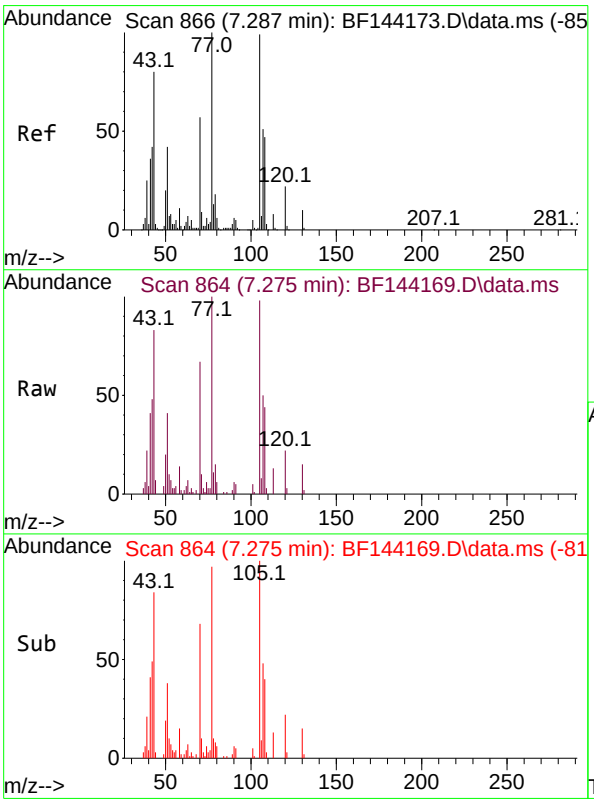
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

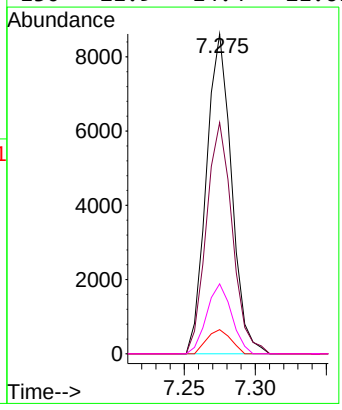
Sig	Exp Ratio
99	100
42	26.1
71	39.3

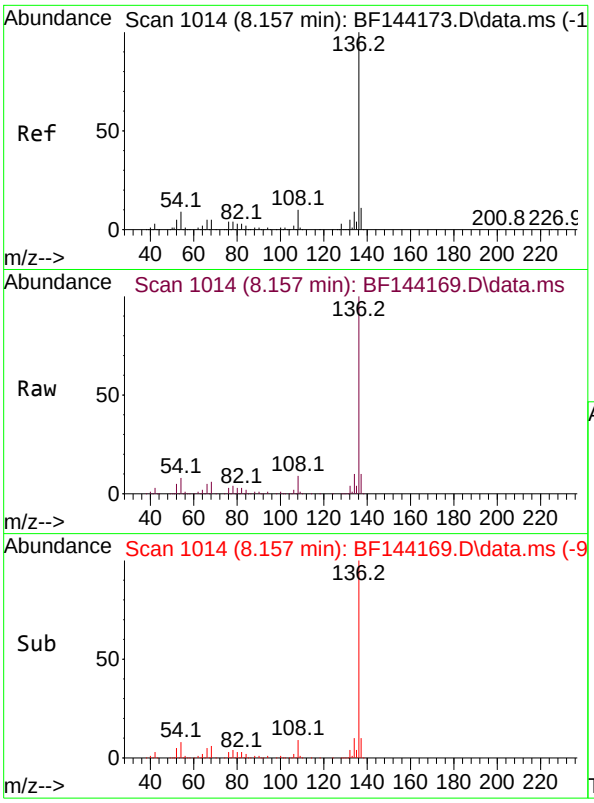


#19
n-Nitroso-di-n-propylamine
Concen: 2.616 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 70 Resp: 10629

Ion	Ratio	Lower	Upper
70	100		
42	72.3	58.3	87.5
101	7.6	7.0	10.6
130	21.9	14.4	21.6#



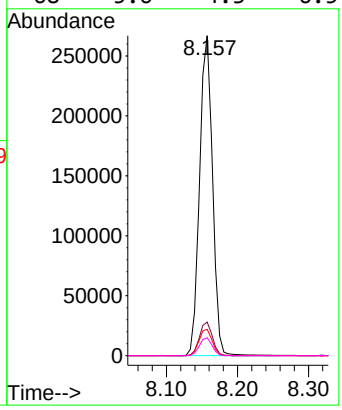


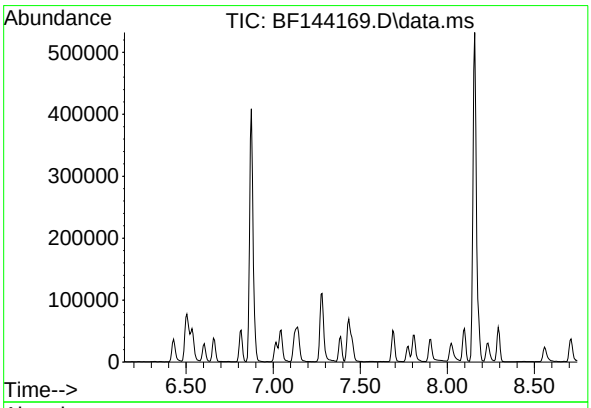
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 335743

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.2	7.0	10.6
68	5.6	4.3	6.5



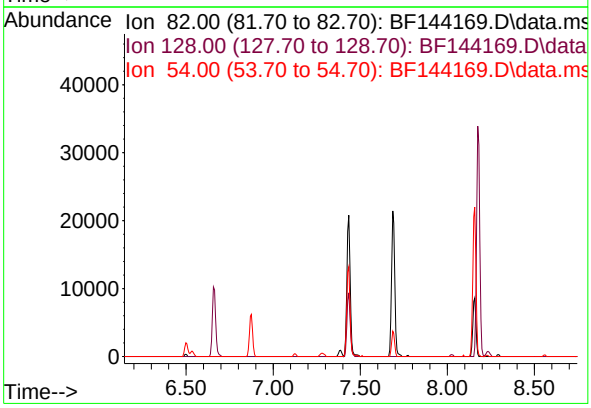


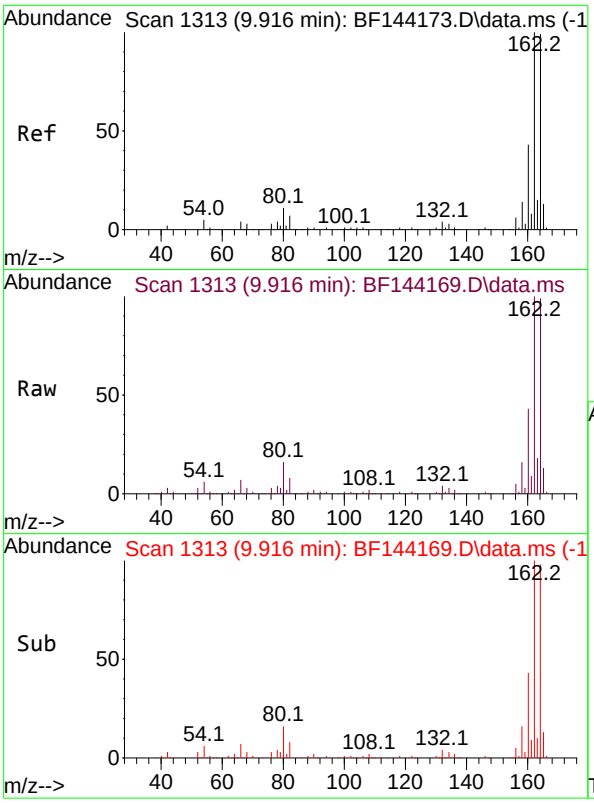
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.4
54	61.9



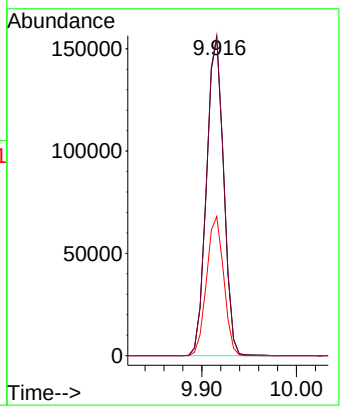


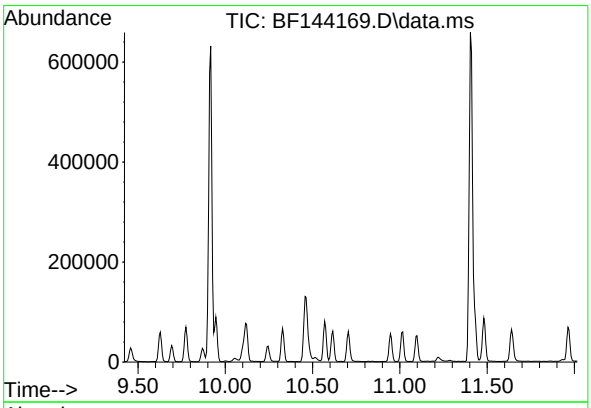
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 195513

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.1	121.7
160	43.9	34.5	51.7



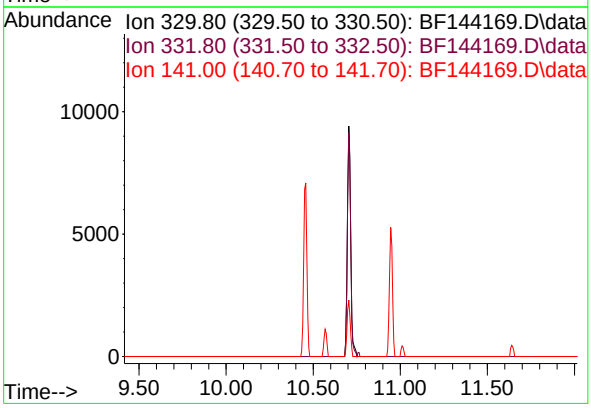


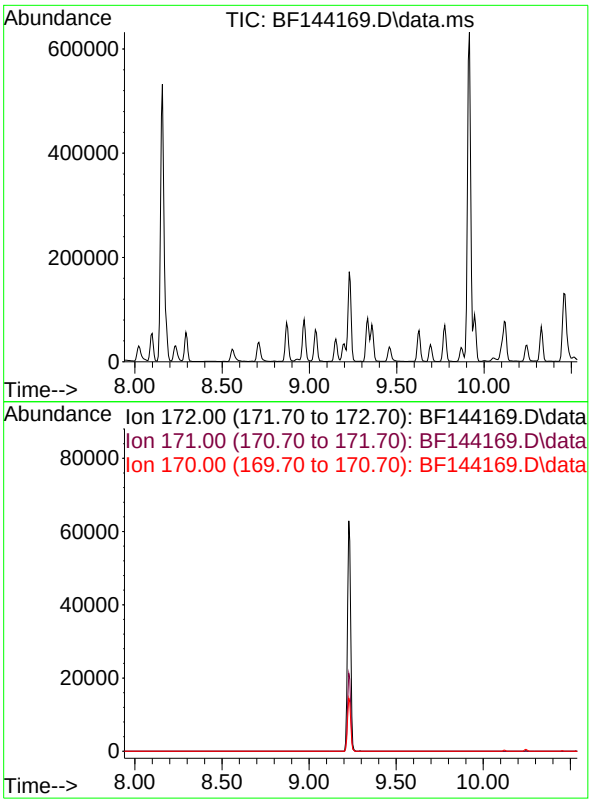
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	22.3





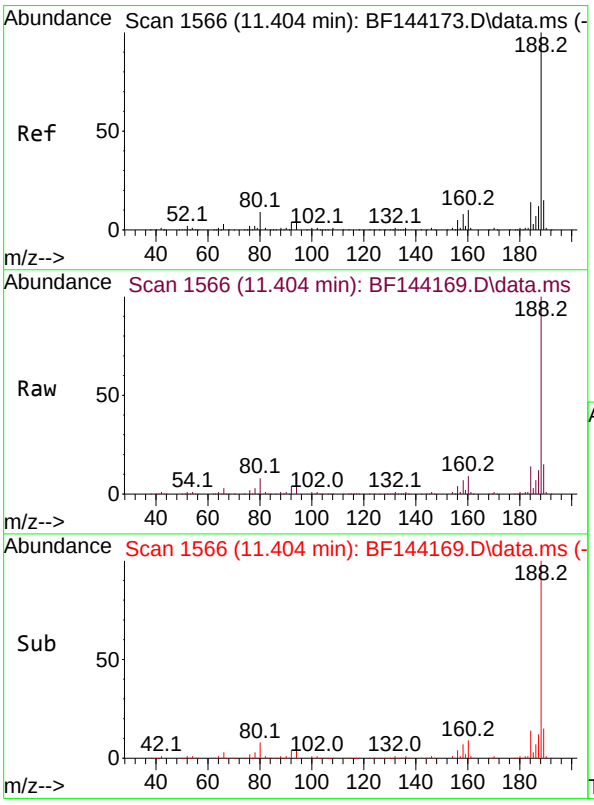
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

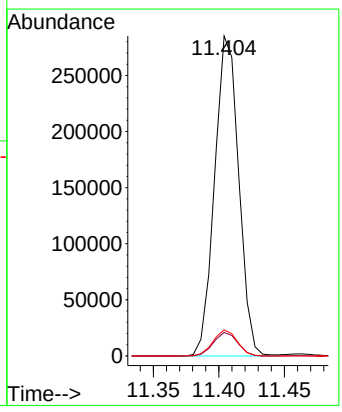
Sig	Exp Ratio
172	100
171	35.1
170	23.3

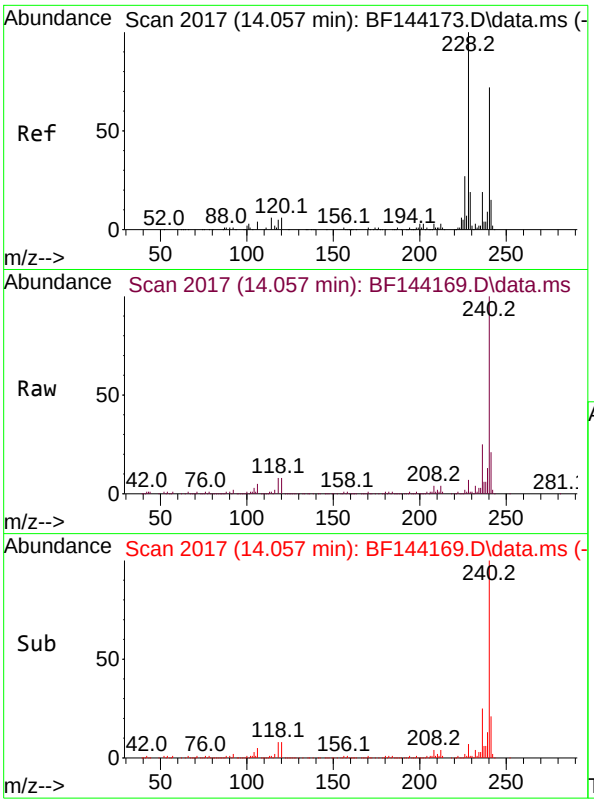


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion:188 Resp: 365872

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	8.2	6.9	10.3



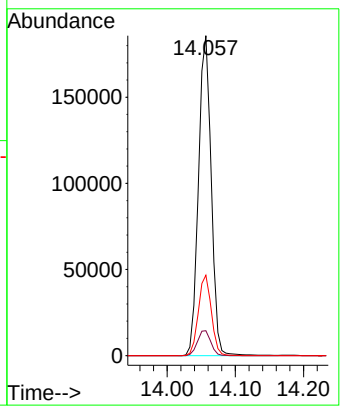


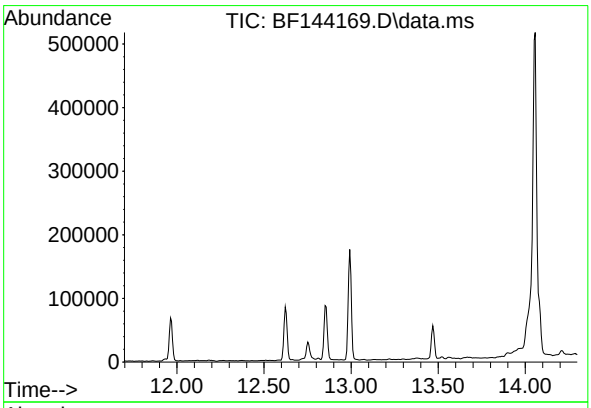
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 241412

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	25.1	21.4	32.2



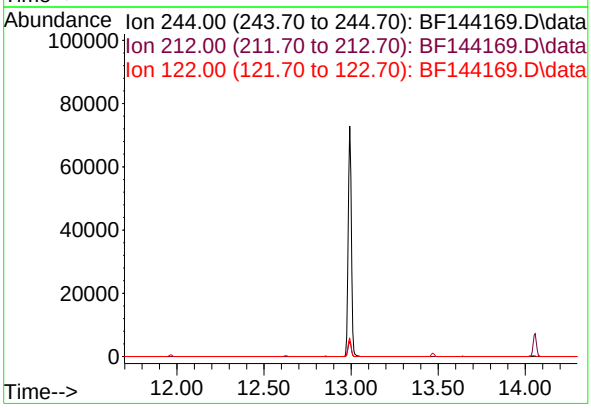


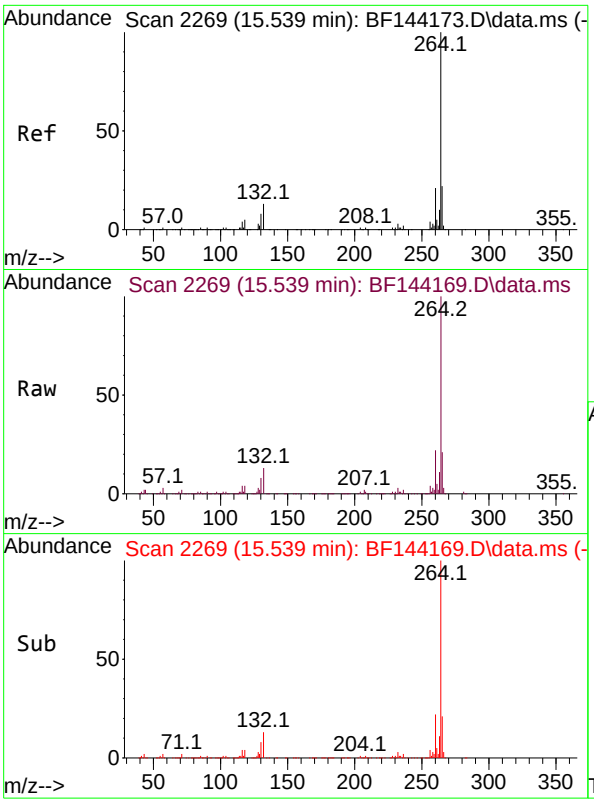
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	7.0



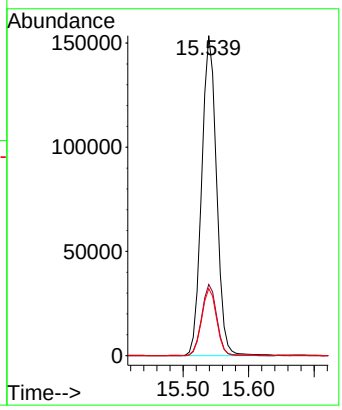


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144169.D
Acq: 05 Nov 2025 12:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 241479

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.1	25.7
265	20.9	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85379	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	330889	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	188001	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	326565	20.000	ng	0.00
76) Chrysene-d12	14.051	240	215706	20.000	ng	-0.01
86) Perylene-d12	15.539	264	241361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	56869	10.423	ng	0.00
7) Phenol-d6	6.498	99	66870	10.817	ng	-0.01
23) Nitrobenzene-d5	7.434	82	56744	9.904	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	22758	9.647	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	150248	11.803	ng	-0.01
79) Terphenyl-d14	12.992	244	151347	11.145	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	11227	4.977	ng	98
3) Pyridine	3.410	79	29321	4.659	ng	98
6) Aniline	6.534	93	46833	5.317	ng	97
8) 2-Chlorophenol	6.657	128	26502	4.953	ng	98
10) Phenol	6.510	94	39383	5.214	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	27288	4.958	ng	99
12) 1,3-Dichlorobenzene	6.816	146	35799	5.422	ng	97
13) 1,4-Dichlorobenzene	6.893	146	35623	5.385	ng	99
14) 1,2-Dichlorobenzene	7.046	146	35243	5.559	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.140	45	51408	5.072	ng	92
17) 2-Methylphenol	7.122	107	21999	5.168	ng	94
18) Hexachloroethane	7.387	117	10929	4.973	ng	92
19) n-Nitroso-di-n-propyla...	7.275	70	21555	5.296	ng	99
22) Acetophenone	7.281	105	39609	5.580	ng	97
24) Nitrobenzene	7.451	77	30574	4.915	ng	98
25) Isophorone	7.687	82	54487	5.028	ng	97
26) 2-Nitrophenol	7.775	139	13789	4.478	ng	97
27) 2,4-Dimethylphenol	7.804	122	23283	5.045	ng	96
28) bis(2-Chloroethoxy)met...	7.898	93	35235	5.207	ng	97
29) 2,4-Dichlorophenol	8.016	162	27603	5.189	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	28937	5.298	ng	91
31) Naphthalene	8.175	128	84320	5.357	ng	100
33) 4-Chloroaniline	8.228	127	29602	5.157	ng	99
34) Hexachlorobutadiene	8.292	225	21207	5.152	ng	97
36) 4-Chloro-3-methylphenol	8.704	107	23428	4.914	ng	95
37) 2-Methylnaphthalene	8.869	142	58087	5.520	ng	99
38) 1-Methylnaphthalene	8.969	142	55152	5.431	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	31823	5.165	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	20685	4.933	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	23346	5.165	ng	99
46) 1,1'-Biphenyl	9.334	154	72127	5.496	ng	98
47) 2-Chloronaphthalene	9.357	162	61232	5.470	ng	98
48) 2-Nitroaniline	9.457	65	14208	4.399	ng	90
49) Acenaphthylene	9.775	152	81168	5.321	ng	100
50) Dimethylphthalate	9.628	163	67538	5.423	ng	97
51) 2,6-Dinitrotoluene	9.692	165	11809	4.684	ng	94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Nov 05 17:23:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.945	154	53468	5.241	ng		96
53) 3-Nitroaniline	9.869	138	12750	4.626	ng		88
55) Dibenzofuran	10.116	168	77278	5.409	ng		98
57) 2,4-Dinitrotoluene	10.098	165	15136	4.485	ng	#	93
58) Fluorene	10.463	166	60881	5.605	ng		94
59) 2,3,4,6-Tetrachlorophenol	10.239	232	14470	4.525	ng		96
60) Diethylphthalate	10.328	149	60815	5.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	33416	5.401	ng		97
62) 4-Nitroaniline	10.475	138	12847	4.895	ng		91
63) Azobenzene	10.616	77	54383	5.089	ng		93
66) n-Nitrosodiphenylamine	10.569	169	56733	5.401	ng		97
67) 4-Bromophenyl-phenylether	10.945	248	21547	5.169	ng		96
68) Hexachlorobenzene	11.010	284	24951	5.082	ng		99
69) Atrazine	11.098	200	17546	5.253	ng		93
71) Phenanthrene	11.428	178	90035	5.537	ng		99
72) Anthracene	11.481	178	91416	5.529	ng		99
73) Carbazole	11.639	167	76605	5.449	ng		97
74) Di-n-butylphthalate	11.963	149	87751	5.163	ng		100
75) Fluoranthene	12.622	202	91198	5.430	ng		97
78) Pyrene	12.851	202	95053	5.465	ng		98
80) Butylbenzylphthalate	13.469	149	30478	5.056	ng		92
81) Benzo(a)anthracene	14.045	228	78472	5.249	ng		96
83) Chrysene	14.080	228	68808	4.986	ng		99
84) Bis(2-ethylhexyl)phtha...	14.027	149	41706	5.054	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	87482	5.049	ng		98
88) Benzo(b)fluoranthene	15.098	252	72360m	5.273	ng		
89) Benzo(k)fluoranthene	15.127	252	64984	5.060	ng		99
90) Benzo(a)pyrene	15.474	252	64190	5.071	ng	#	97
91) Dibenzo(a,h)anthracene	17.051	278	69714	5.010	ng		98
92) Benzo(g,h,i)perylene	17.492	276	66099	4.810	ng		97

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144170.D
Acq On : 05 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 17:23:47 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
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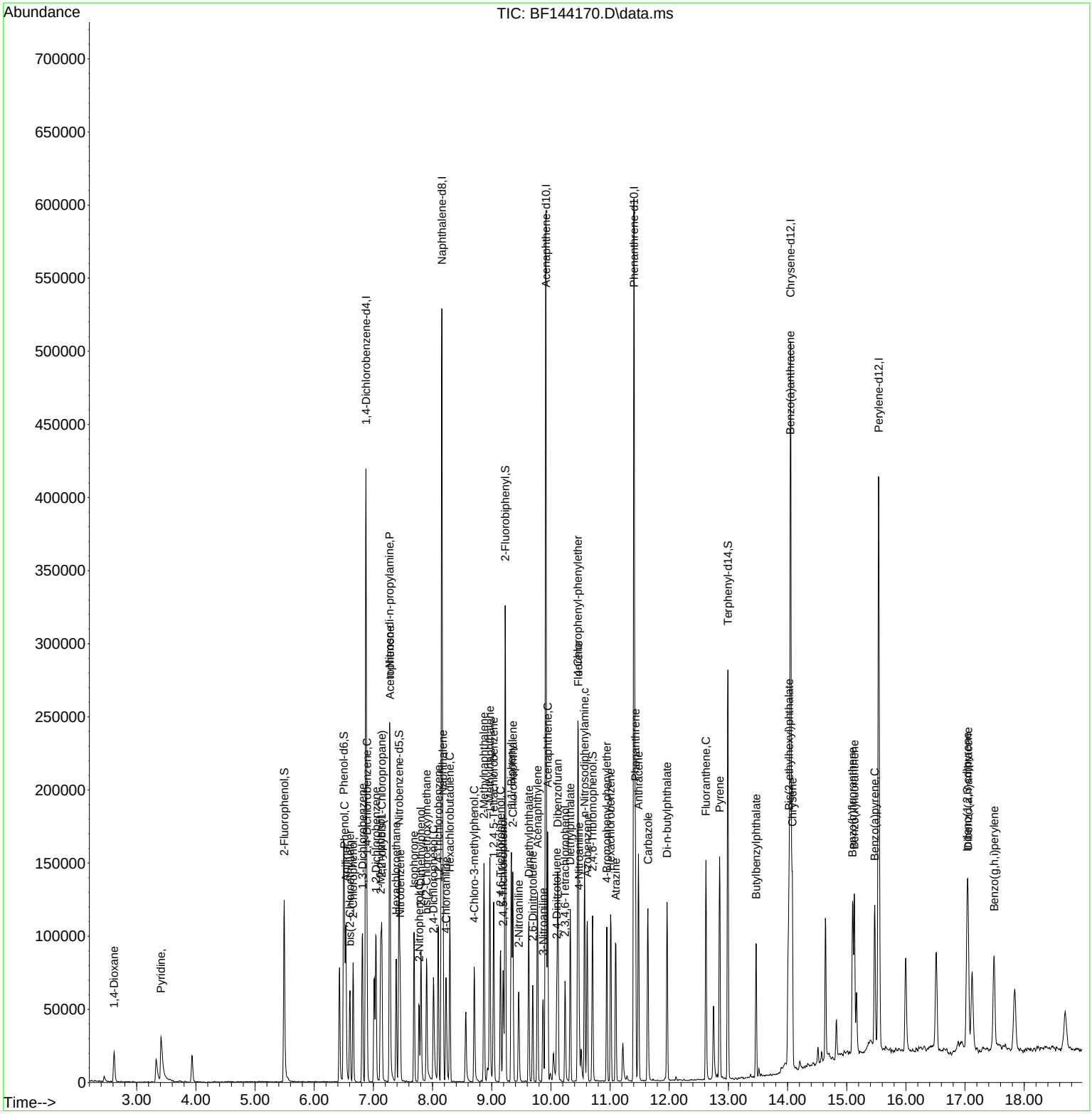
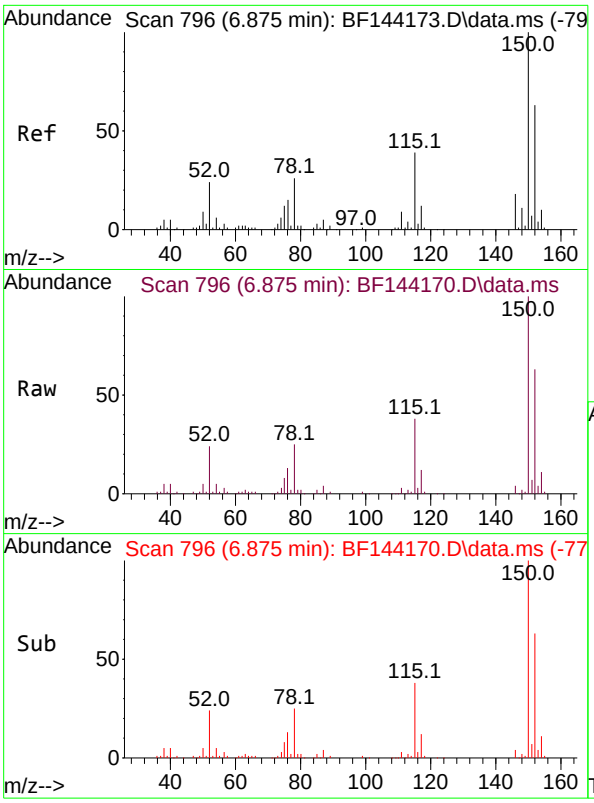
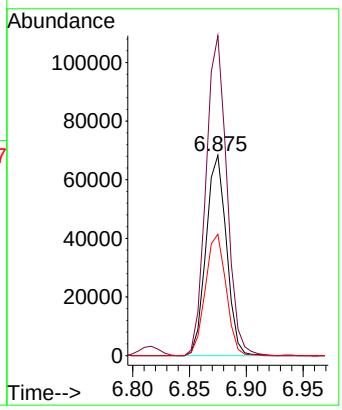




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:152 Resp: 85379

Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.0
115	60.6	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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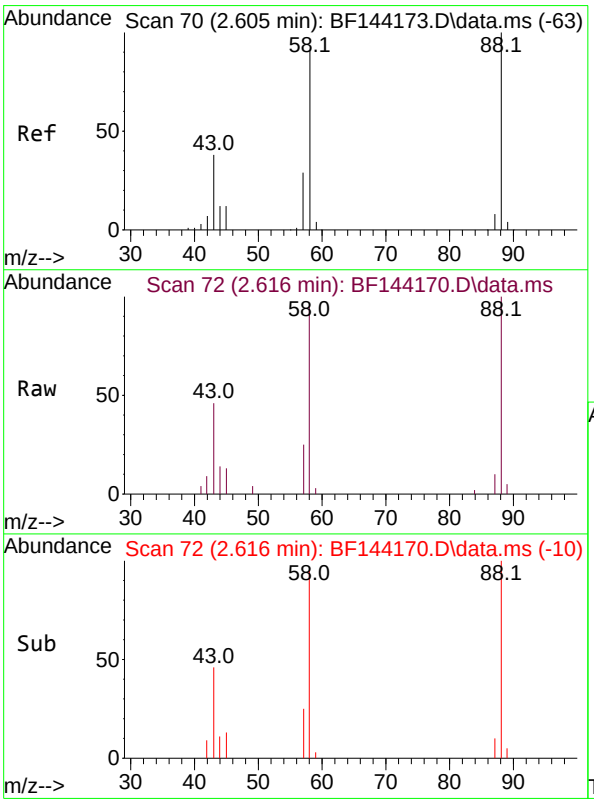
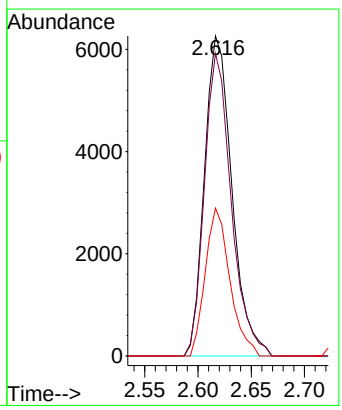
Supervised By :Jagrut Upadhyay 11/06/2025

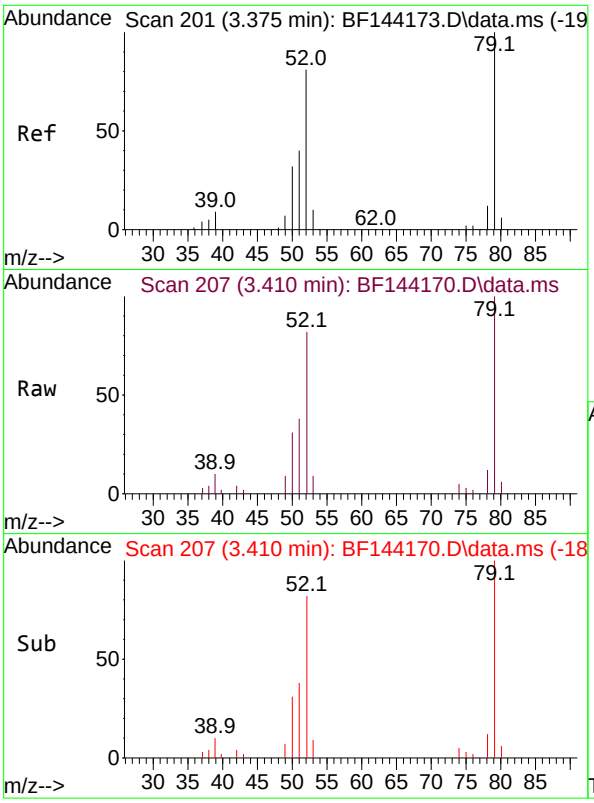


#2
1,4-Dioxane
Concen: 4.977 ng
RT: 2.616 min Scan# 72
Delta R.T. 0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 88 Resp: 11227

Ion	Ratio	Lower	Upper
88	100		
58	92.4	73.1	109.7
43	41.5	31.0	46.6

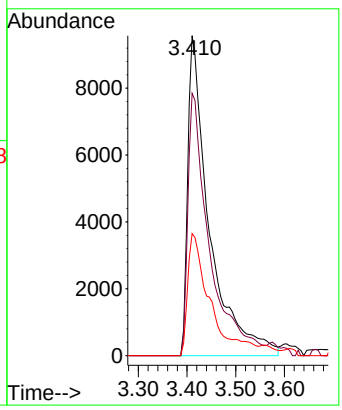




#3
Pyridine
Concen: 4.659 ng
RT: 3.410 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 79 Resp: 2932

Ion	Ratio	Lower	Upper
79	100		
52	82.0	64.5	96.7
51	38.1	31.7	47.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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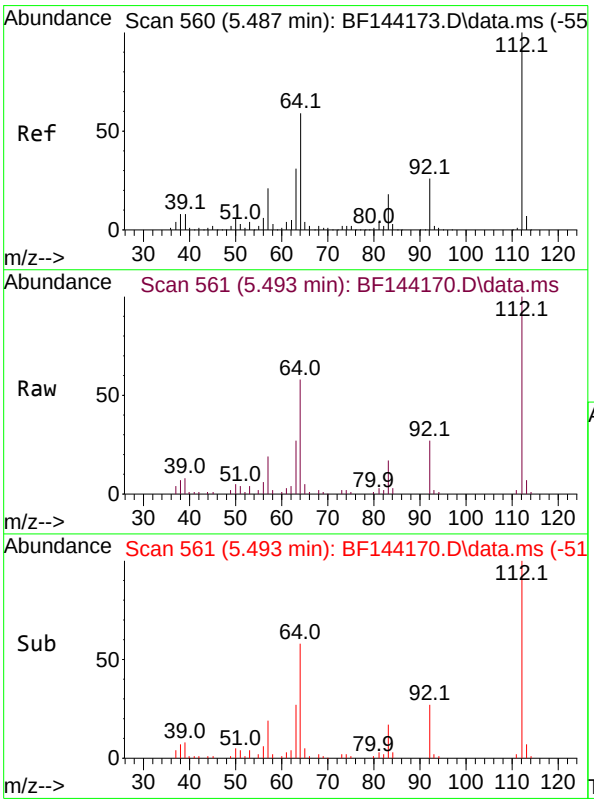
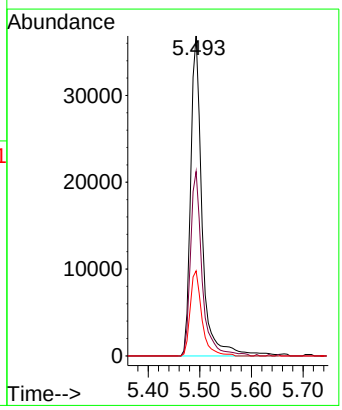
Supervised By :Jagrut Upadhyay 11/06/2025

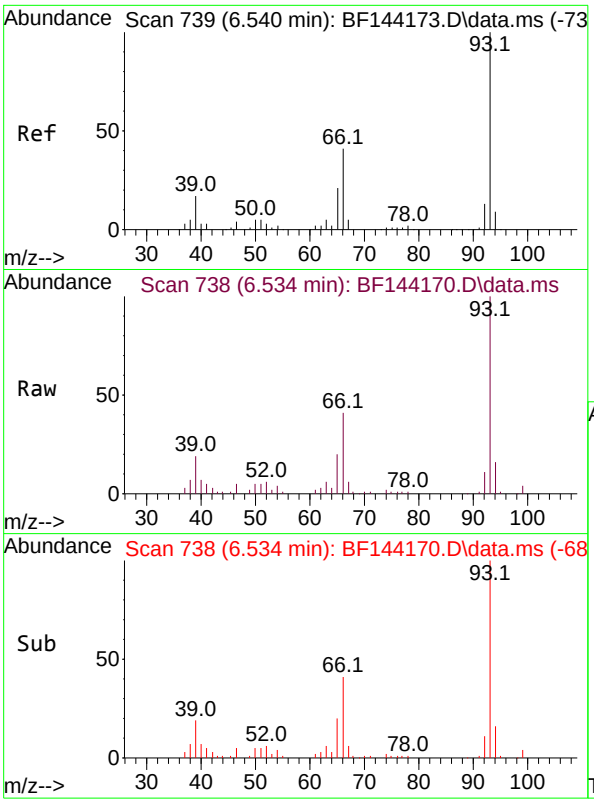


#5
2-Fluorophenol
Concen: 10.423 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:112 Resp: 56869

Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.2	70.8
63	26.6	24.4	36.6

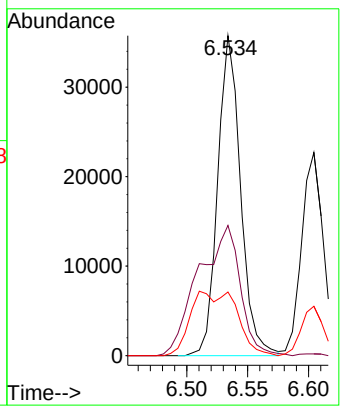




#6
Aniline
Concen: 5.317 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 4683

Ion	Ratio	Lower	Upper
93	100		
66	40.7	34.3	51.5
65	19.9	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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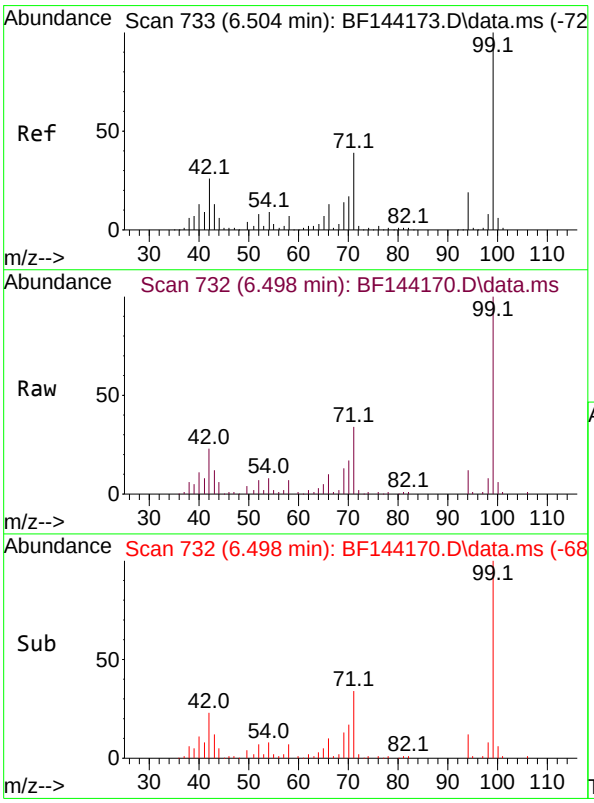
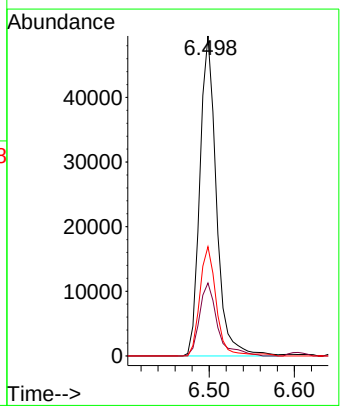
Supervised By :Jagrut Upadhyay 11/06/2025

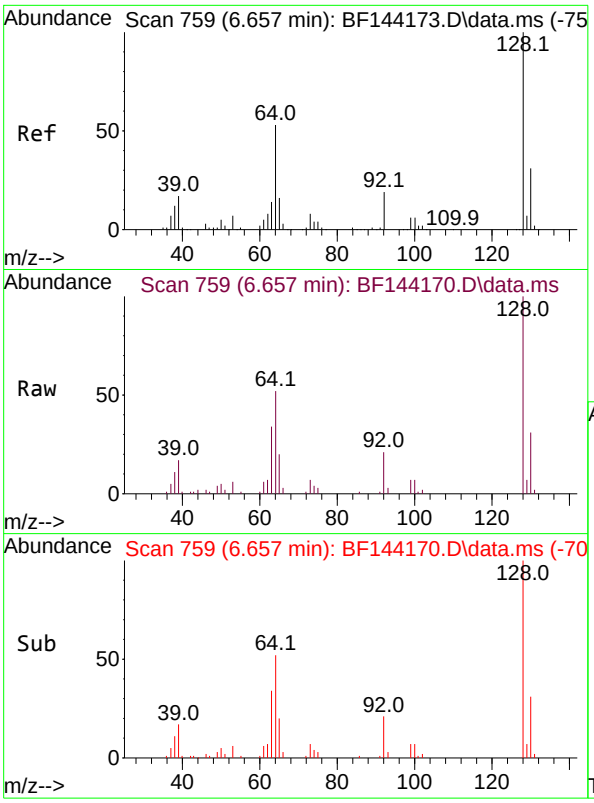


#7
Phenol-d6
Concen: 10.817 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 99 Resp: 66870

Ion	Ratio	Lower	Upper
99	100		
42	22.8	20.9	31.3
71	34.1	31.4	47.2

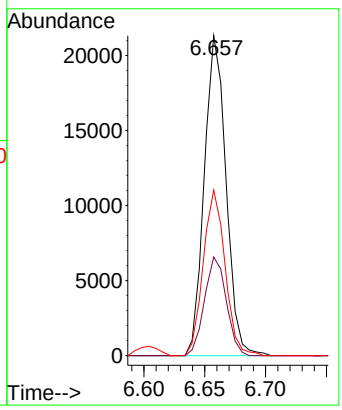




#8
2-Chlorophenol
Concen: 4.953 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:128 Resp: 2650

Ion	Ratio	Lower	Upper
128	100		
130	30.8	10.5	50.5
64	51.7	33.2	73.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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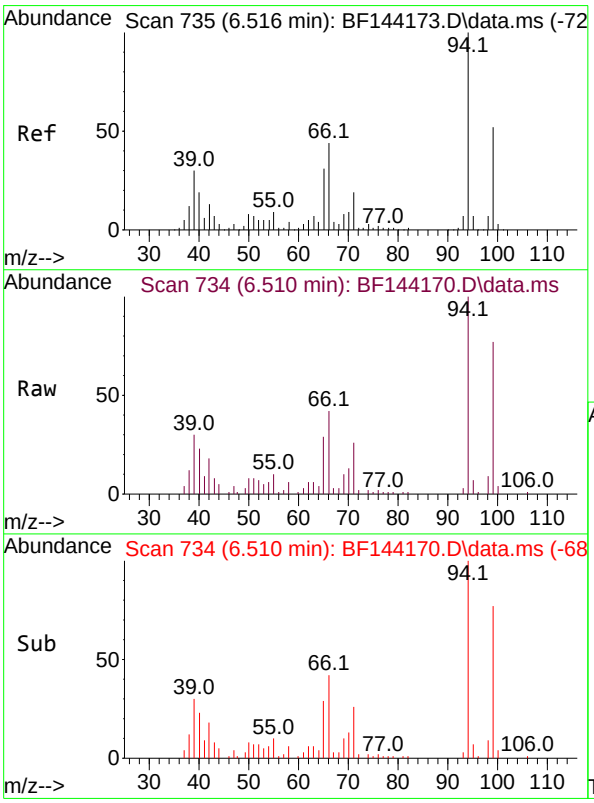
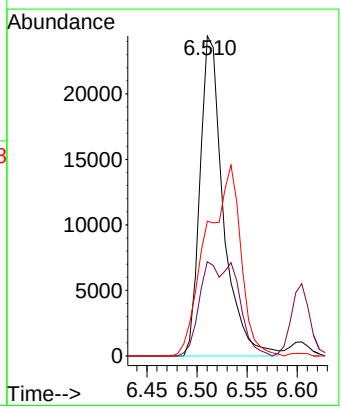
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

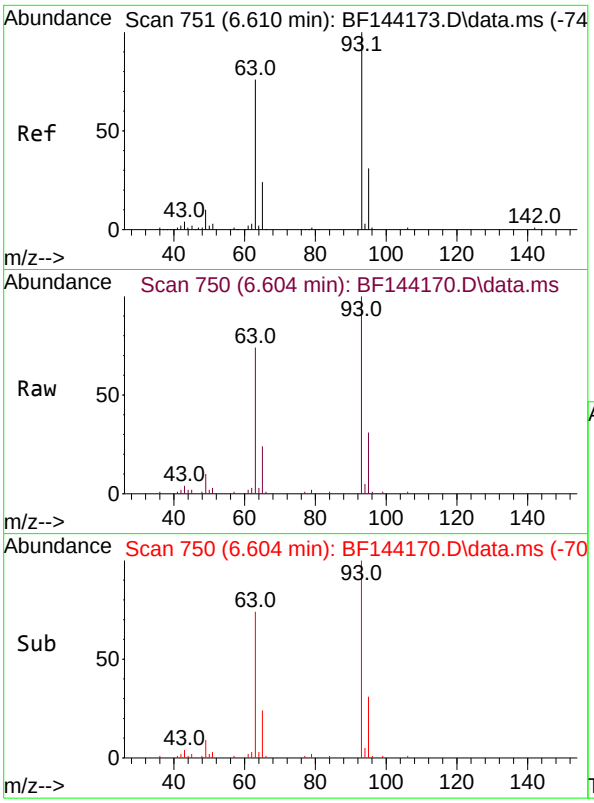


#10
Phenol
Concen: 5.214 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 94 Resp: 39383

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.8	50.8
66	42.1	24.3	64.3

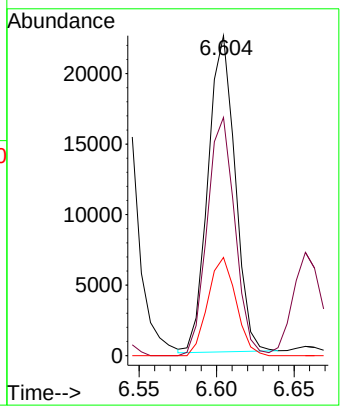




#11
bis(2-Chloroethyl)ether
Concen: 4.958 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 2728

Ion	Ratio	Lower	Upper
93	100		
63	74.4	55.2	95.2
95	30.7	11.2	51.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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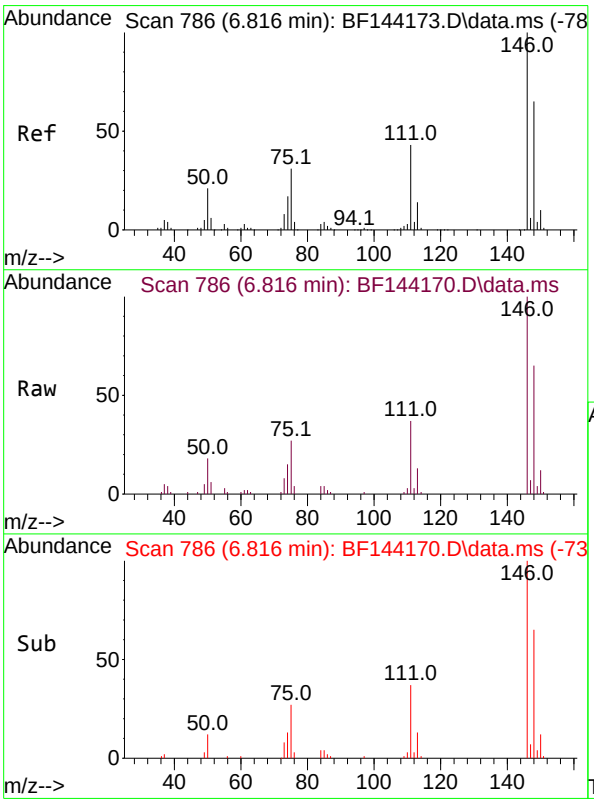
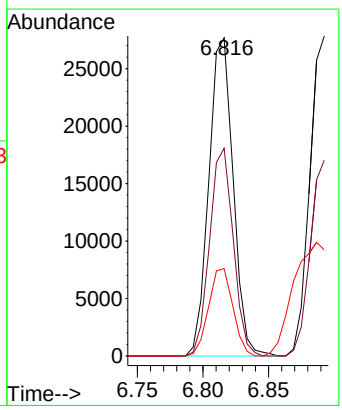
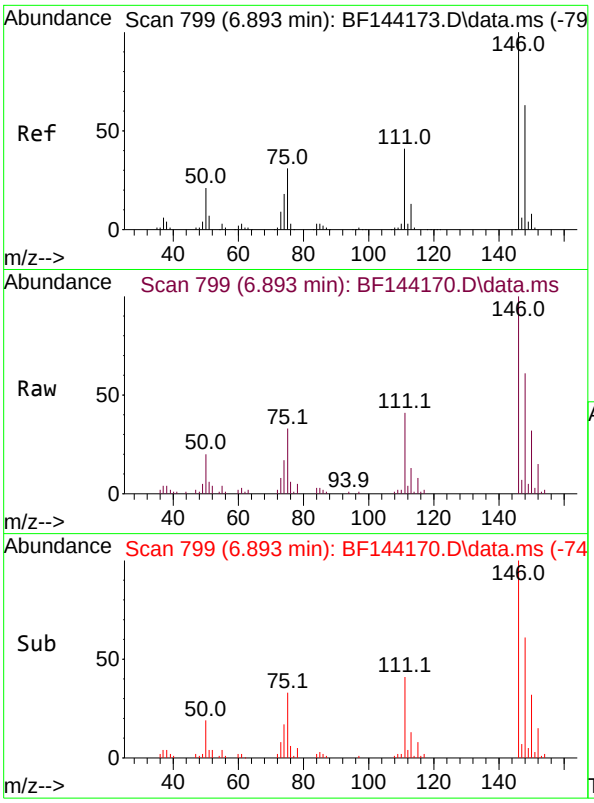


#12
1,3-Dichlorobenzene
Concen: 5.422 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 35799

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.8	77.8
75	27.4	25.0	37.4

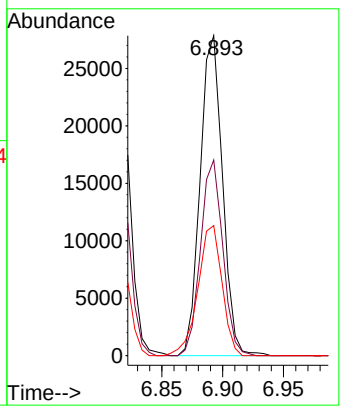




#13
1,4-Dichlorobenzene
Concen: 5.385 ng
RT: 6.893 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 3562

Ion	Ratio	Lower	Upper
146	100		
148	61.1	50.2	75.2
111	40.6	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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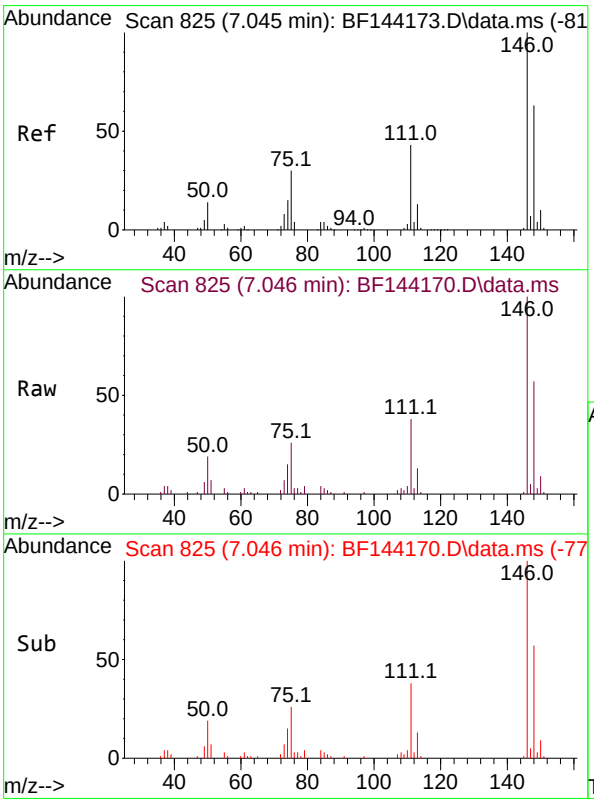
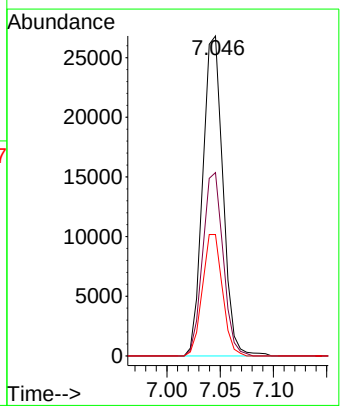
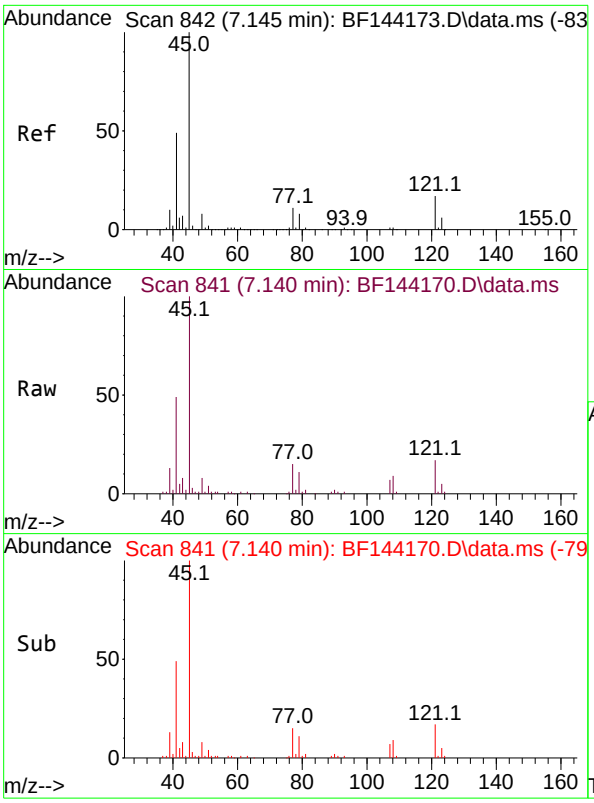


#14
1,2-Dichlorobenzene
Concen: 5.559 ng
RT: 7.046 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:146 Resp: 35243

Ion	Ratio	Lower	Upper
146	100		
148	57.3	50.7	76.1
111	37.9	34.2	51.4

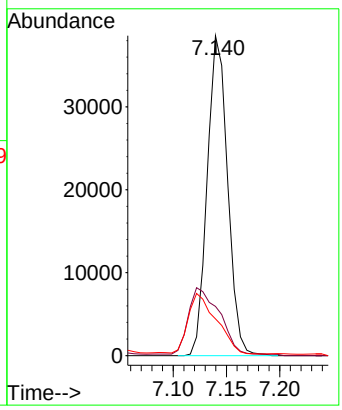




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.072 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 45 Resp: 5140

Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	31.8
79	11.5	0.0	29.1



Instrument :
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ClientSampleId :
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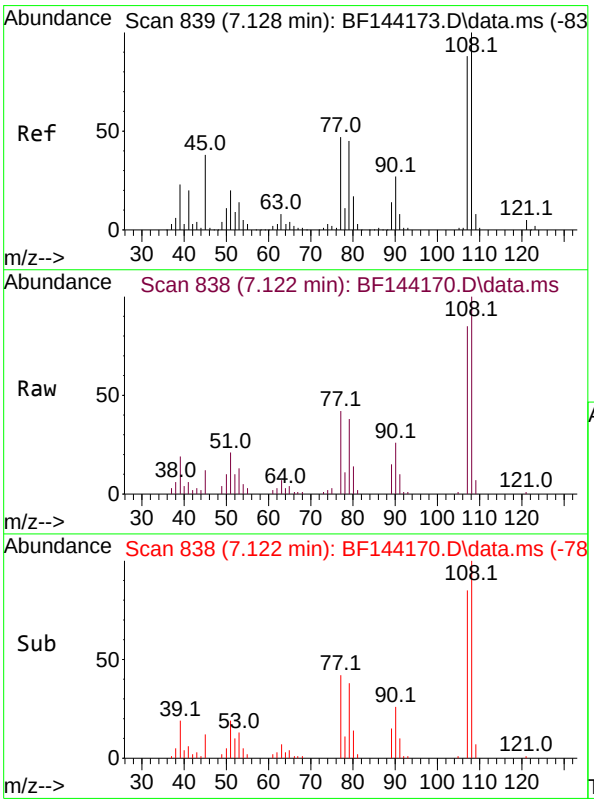
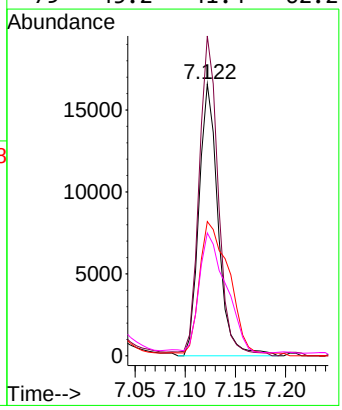
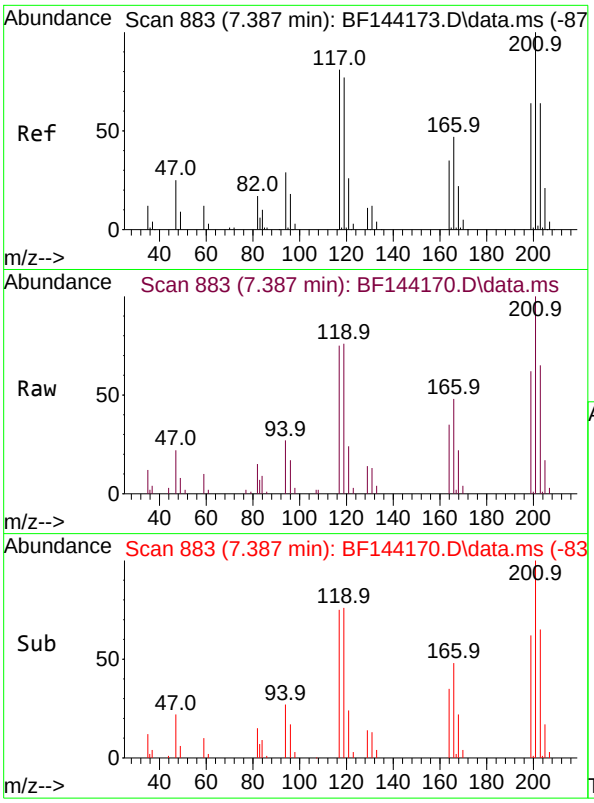


#17
2-Methylphenol
Concen: 5.168 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:107 Resp: 21999

Ion	Ratio	Lower	Upper
107	100		
108	117.7	91.0	136.4
77	49.4	42.7	64.1
79	45.2	41.4	62.2





#18
Hexachloroethane
Concen: 4.973 ng
RT: 7.387 min Scan# 88
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:117 Resp: 1092

Ion	Ratio	Lower	Upper
117	100		
119	102.0	75.8	113.8
201	133.4	98.9	148.3

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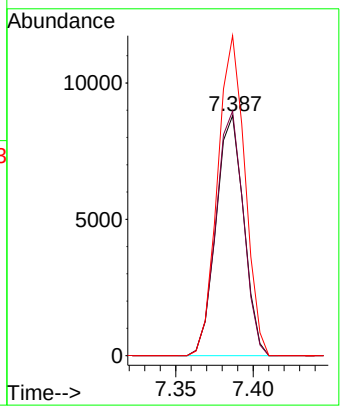
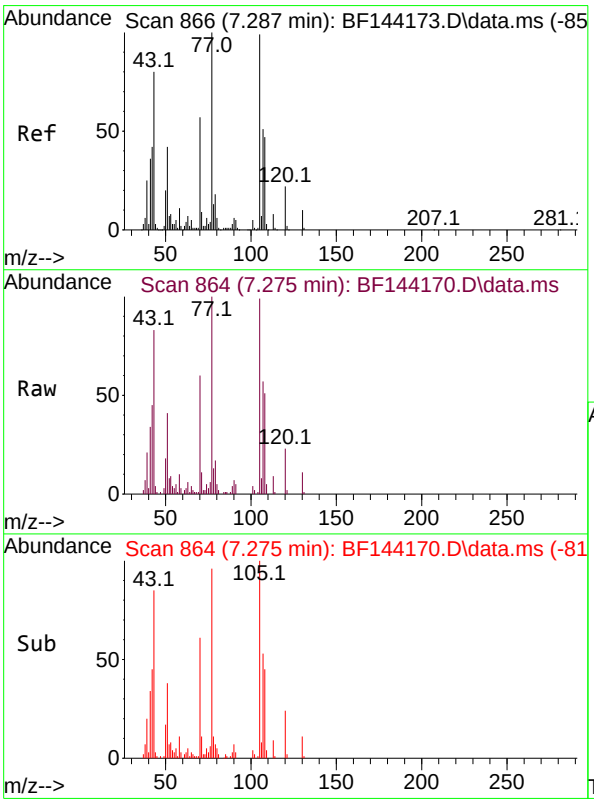
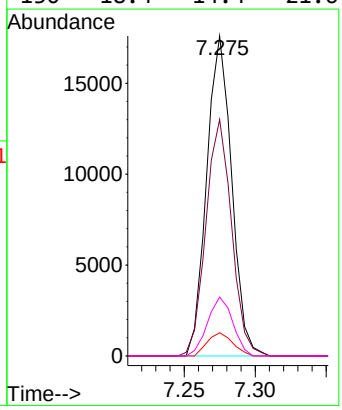


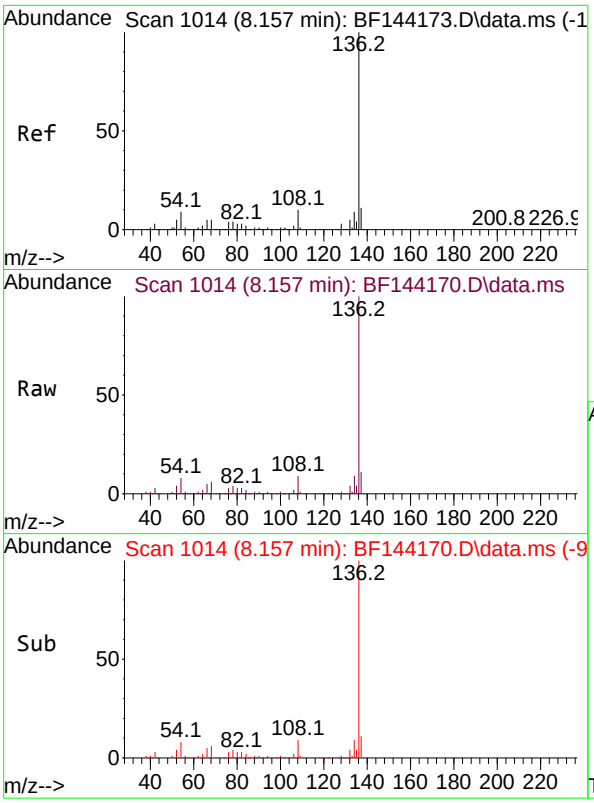


#19
n-Nitroso-di-n-propylamine
Concen: 5.296 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 70 Resp: 21555

Ion	Ratio	Lower	Upper
70	100		
42	73.9	58.3	87.5
101	7.3	7.0	10.6
130	18.4	14.4	21.6

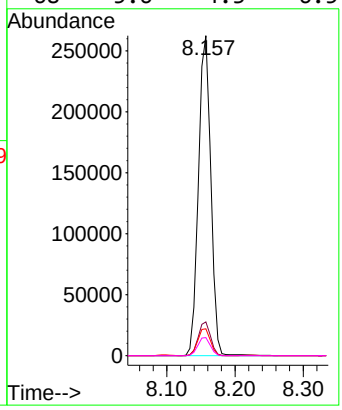




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:136 Resp: 330889

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.4	7.0	10.6
68	5.6	4.3	6.5



Instrument :
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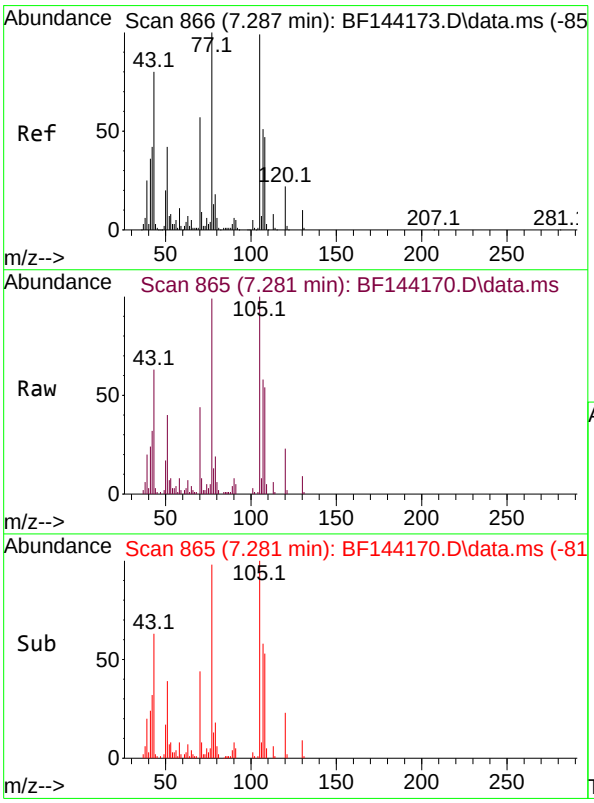
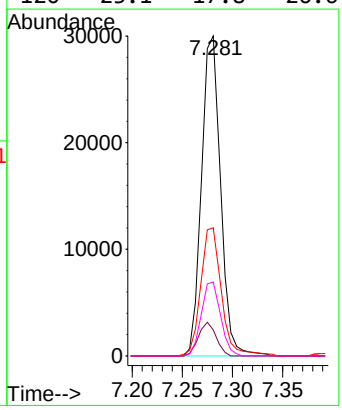
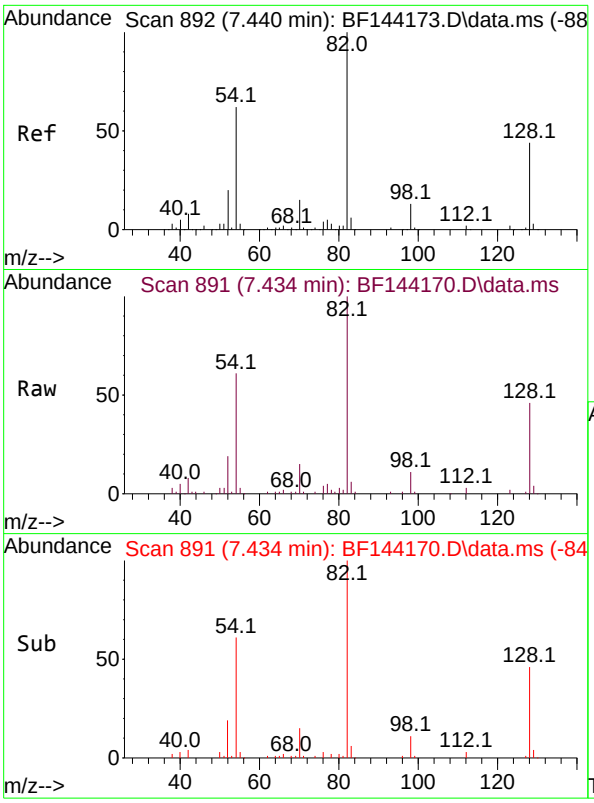


#22
Acetophenone
Concen: 5.580 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:105 Resp: 39609

Ion	Ratio	Lower	Upper
105	100		
71	8.1	7.2	10.8
51	40.0	34.0	51.0
120	23.1	17.8	26.6

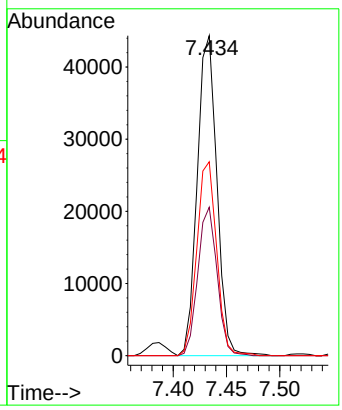




#23
Nitrobenzene-d5
Concen: 9.904 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 82 Resp: 5674

Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.7	52.1
54	60.6	49.5	74.3



Instrument :
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ClientSampleId :
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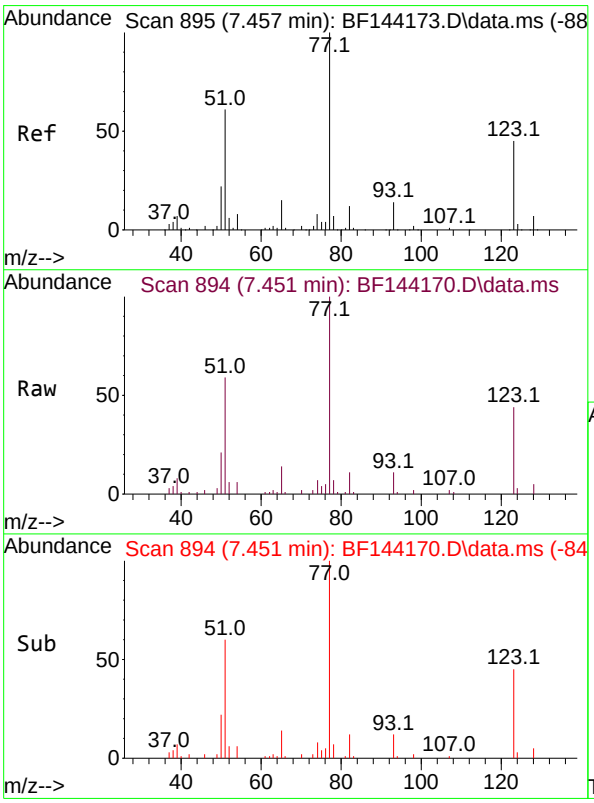
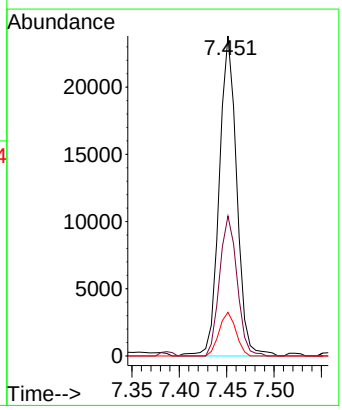
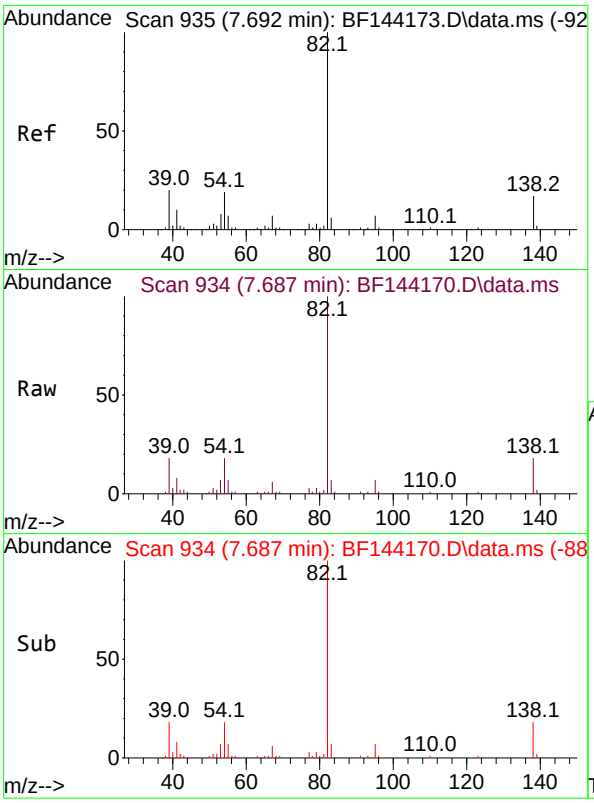


#24
Nitrobenzene
Concen: 4.915 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 77 Resp: 30574

Ion	Ratio	Lower	Upper
77	100		
123	43.7	35.8	53.8
65	13.6	12.2	18.2

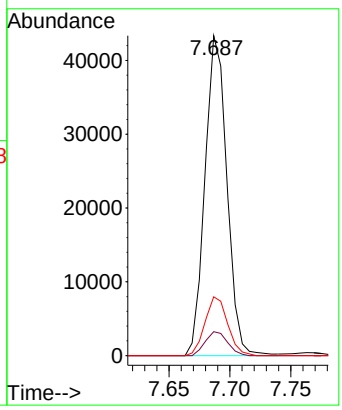




#25
Isophorone
Concen: 5.028 ng
RT: 7.687 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 82 Resp: 5448

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.5	8.3
138	18.4	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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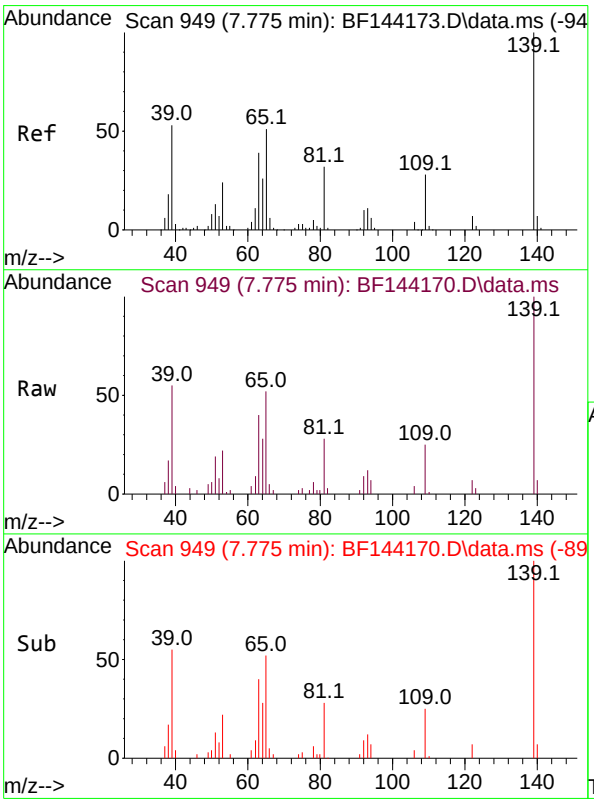
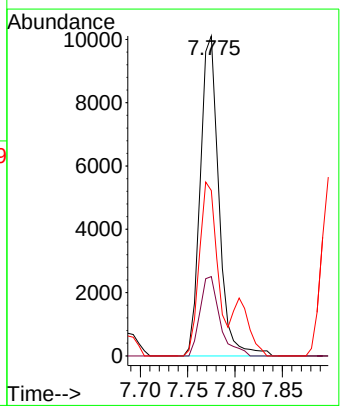
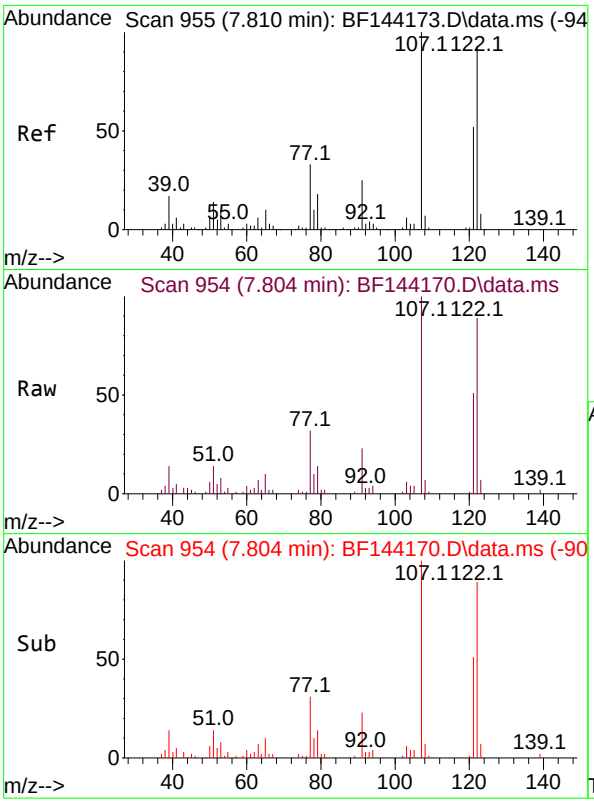


#26
2-Nitrophenol
Concen: 4.478 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:139 Resp: 13789

Ion	Ratio	Lower	Upper
139	100		
109	24.8	22.2	33.2
65	51.7	40.7	61.1

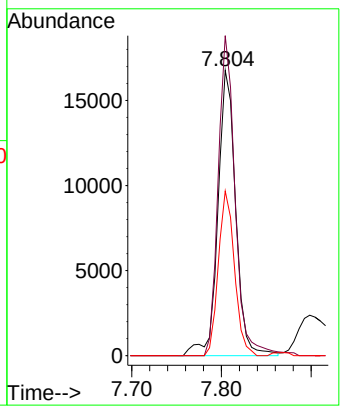




#27
2,4-Dimethylphenol
Concen: 5.045 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:122 Resp: 2328

Ion	Ratio	Lower	Upper
122	100		
107	112.2	86.2	129.4
121	57.7	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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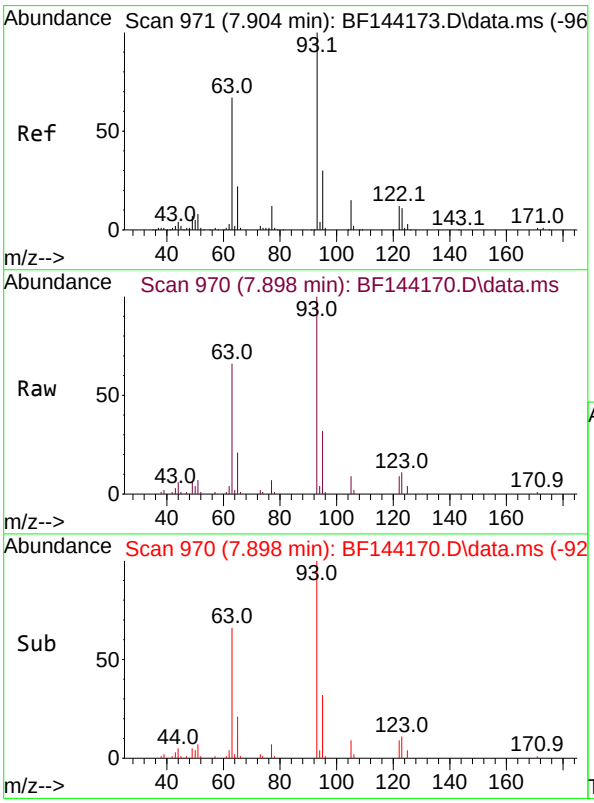
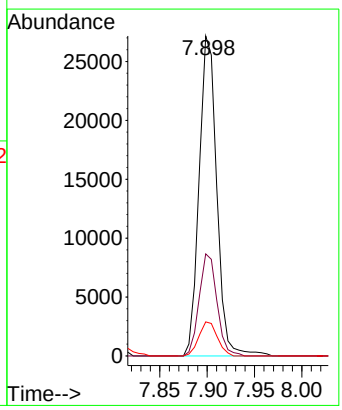
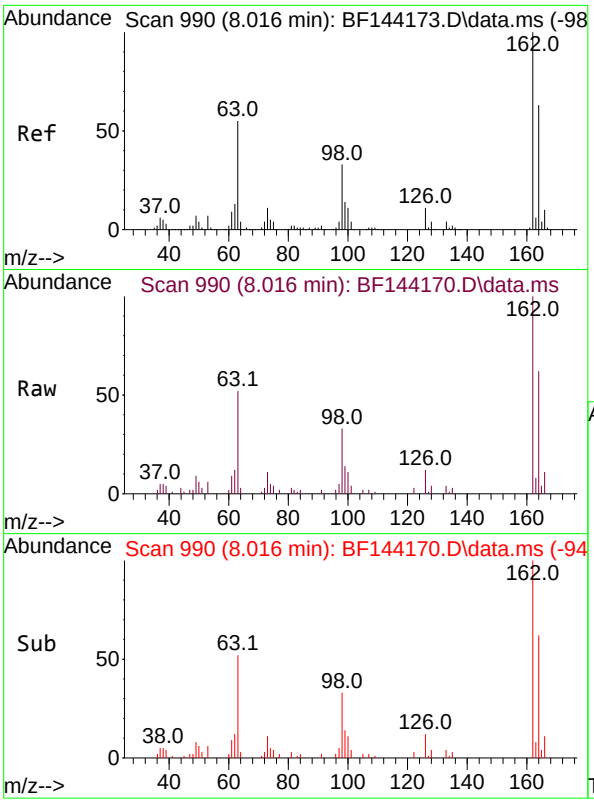


#28
bis(2-Chloroethoxy)methane
Concen: 5.207 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 93 Resp: 35235

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	10.6	9.0	13.4





#29
2,4-Dichlorophenol
Concen: 5.189 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:162 Resp: 2760

Ion	Ratio	Lower	Upper
162	100		
164	62.0	42.9	82.9
98	33.3	13.3	53.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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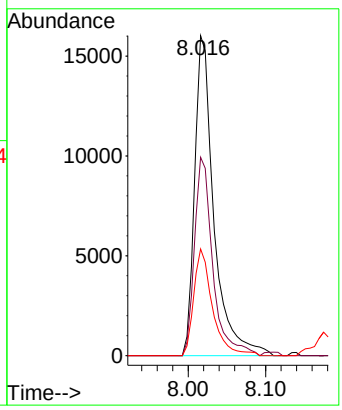
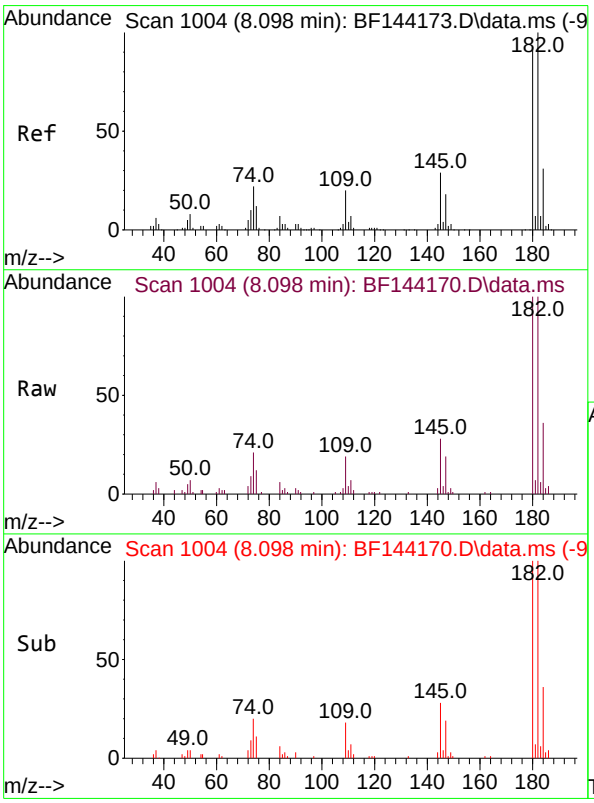
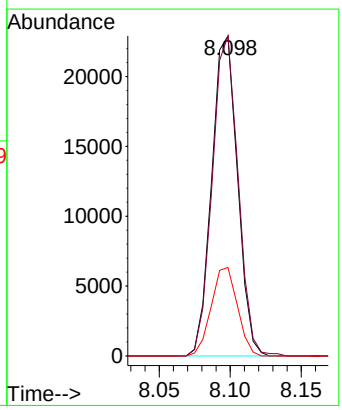


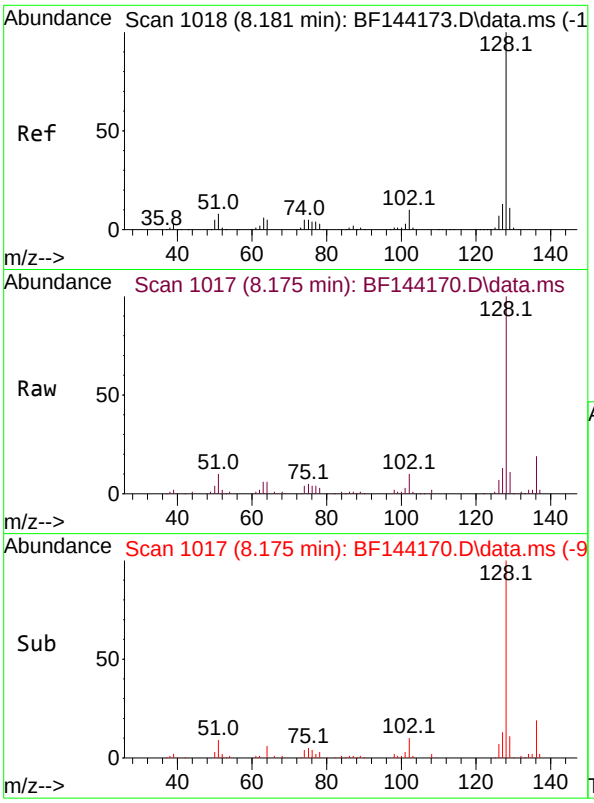


#30
1,2,4-Trichlorobenzene
Concen: 5.298 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:180 Resp: 28937

Ion	Ratio	Lower	Upper
180	100		
182	100.0	87.7	131.5
145	27.6	25.4	38.0

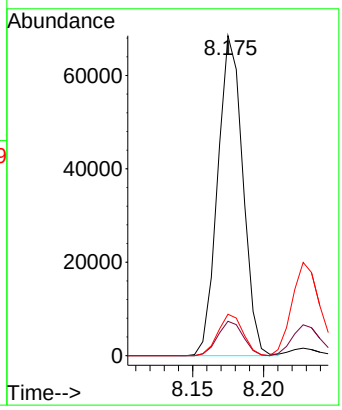




#31
Naphthalene
Concen: 5.357 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:128 Resp: 8432

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.9	10.3	15.5



Instrument :
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ClientSampleId :
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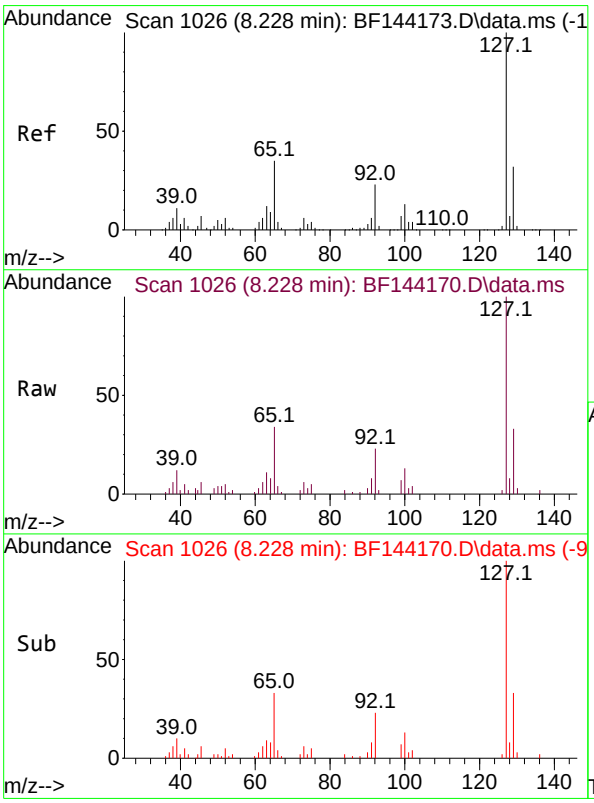
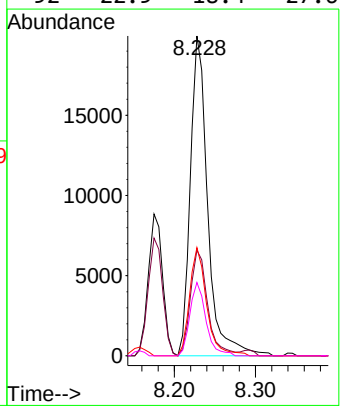
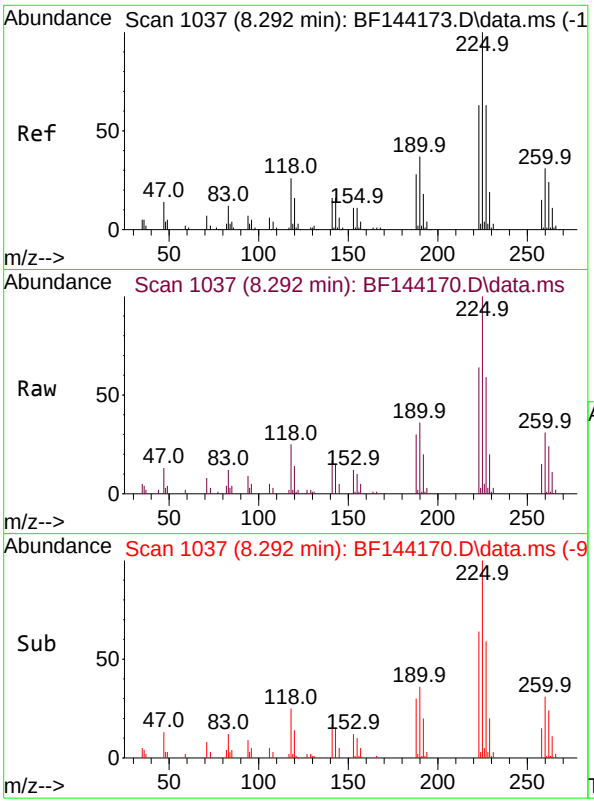


#33
4-Chloroaniline
Concen: 5.157 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:127 Resp: 29602

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.3	37.9
65	33.8	27.6	41.4
92	22.9	18.4	27.6

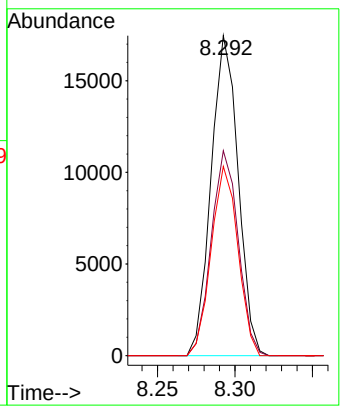




#34
Hexachlorobutadiene
Concen: 5.152 ng
RT: 8.292 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:225 Resp: 2120

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.2	75.4
227	59.1	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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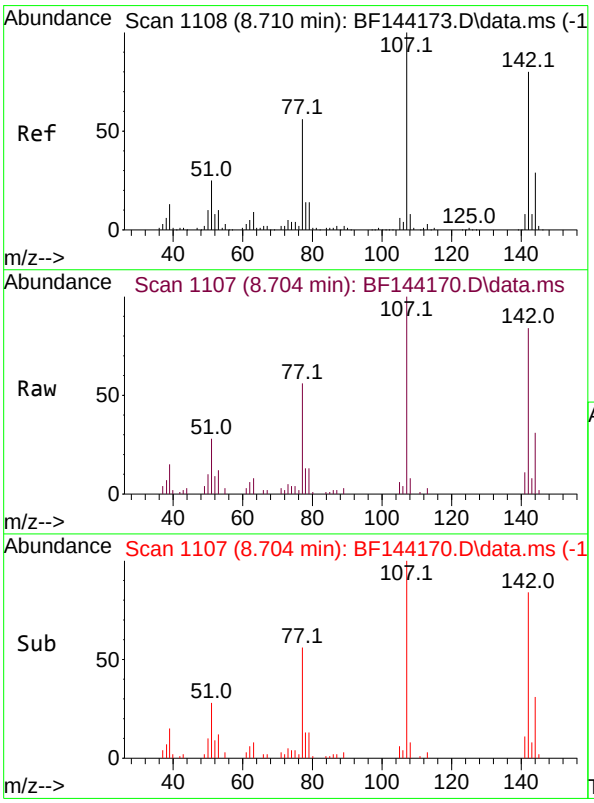
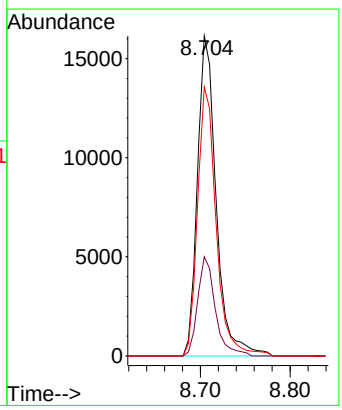
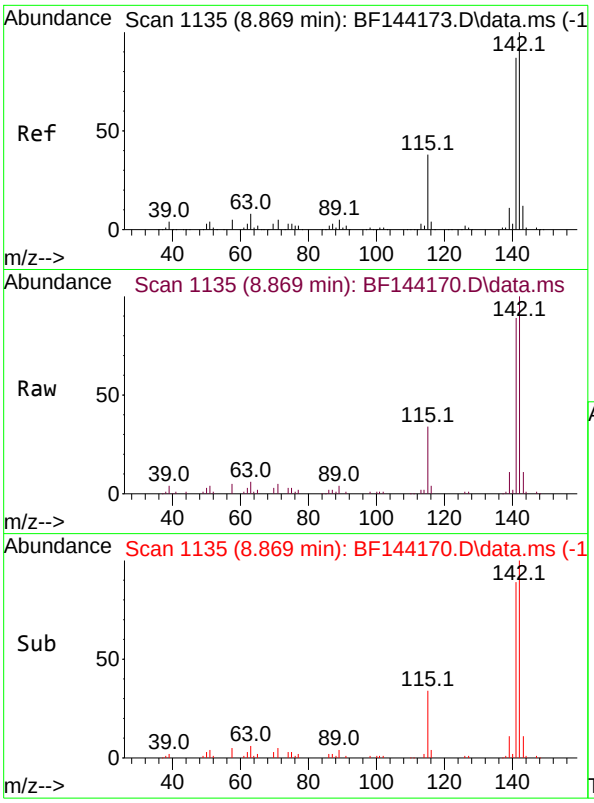


#36
4-Chloro-3-methylphenol
Concen: 4.914 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:107 Resp: 23428

Ion	Ratio	Lower	Upper
107	100		
144	31.0	23.3	34.9
142	84.0	63.8	95.6





#37
2-Methylnaphthalene
Concen: 5.520 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:142 Resp: 5808

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
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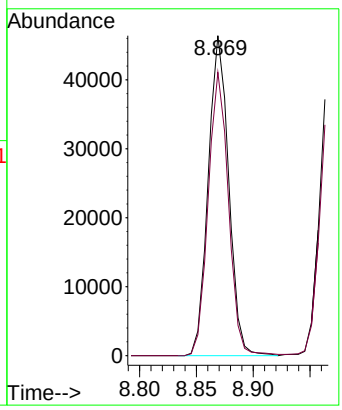
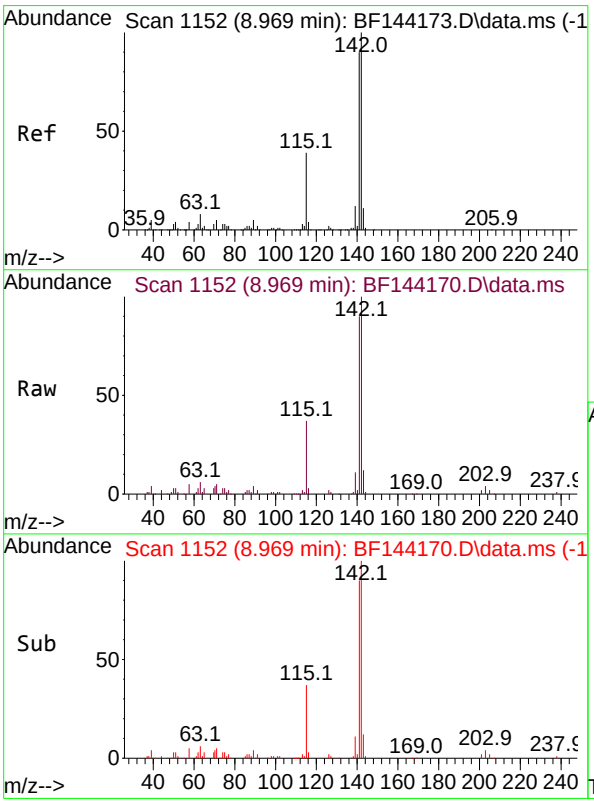
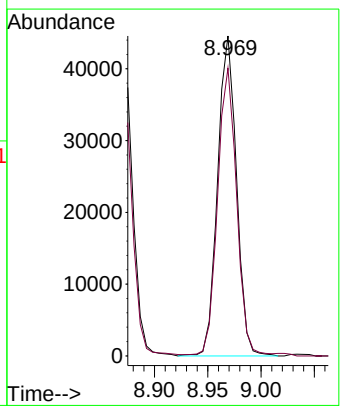


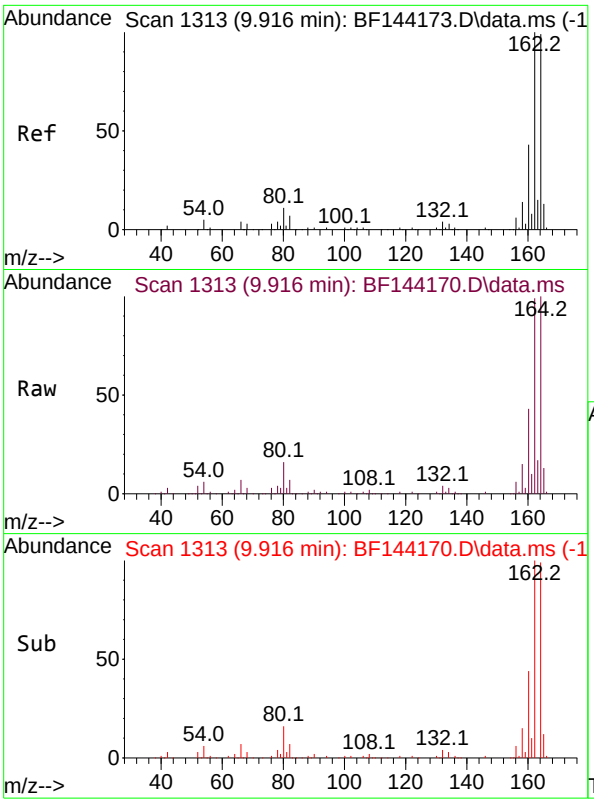


#38
1-Methylnaphthalene
Concen: 5.431 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:142 Resp: 55152

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.1	108.1

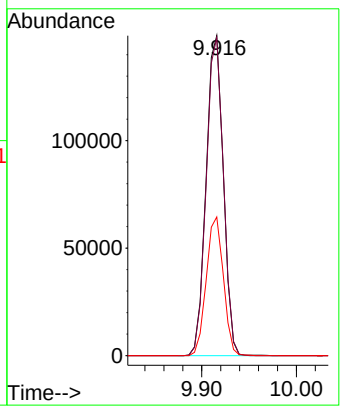




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:164 Resp: 18800

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.1	121.7
160	43.3	34.5	51.7



Instrument :
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ClientSampleId :
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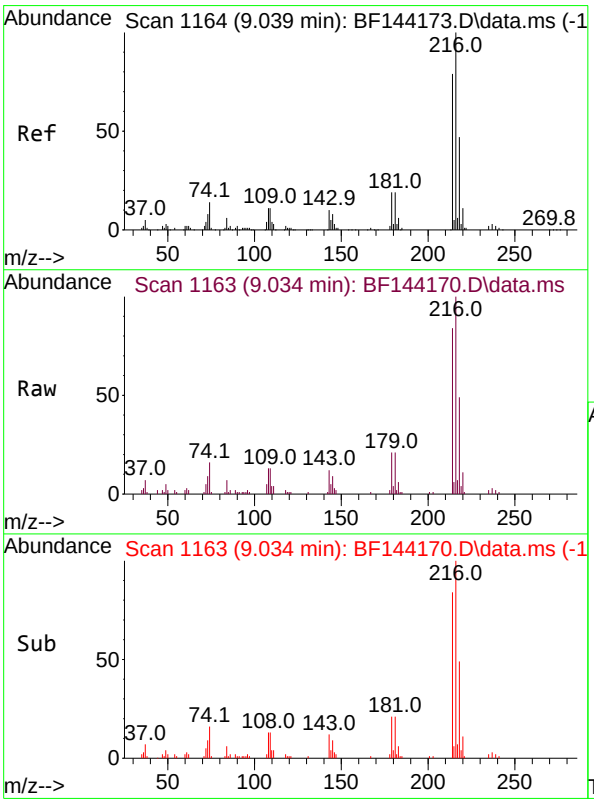
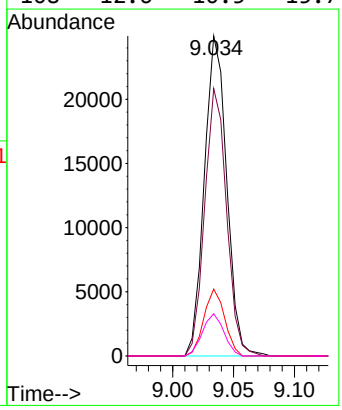
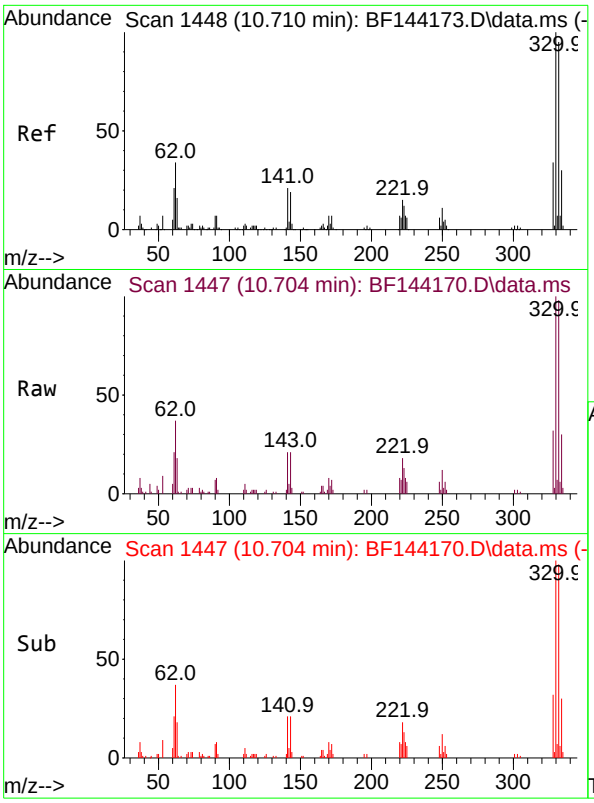


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.165 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:216 Resp: 31823

Ion	Ratio	Lower	Upper
216	100		
214	81.6	63.4	95.2
179	19.4	15.0	22.4
108	12.6	10.5	15.7

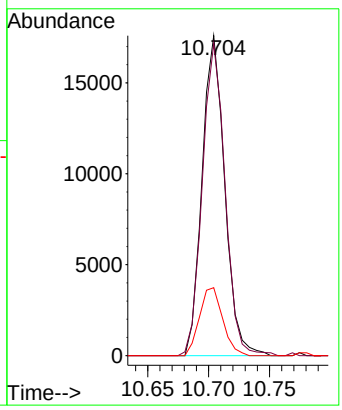




#42
2,4,6-Tribromophenol
Concen: 9.647 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:330 Resp: 2275

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	21.8	17.8	26.8



Instrument :
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ClientSampleId :
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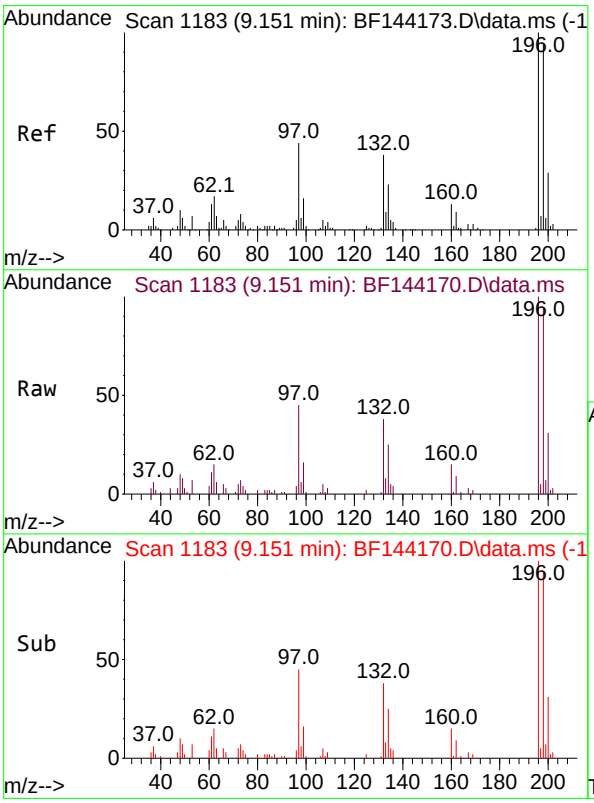
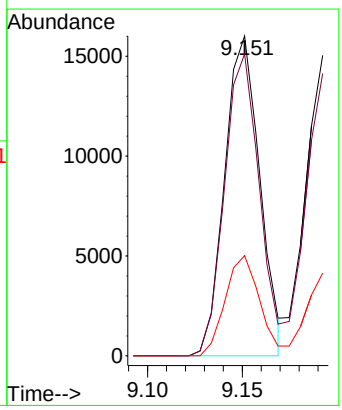
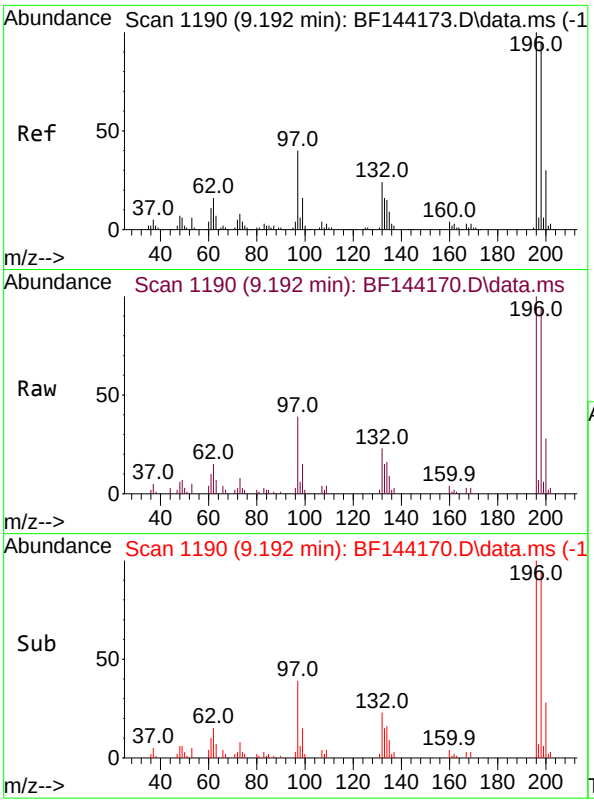


#43
2,4,6-Trichlorophenol
Concen: 4.933 ng
RT: 9.151 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:196 Resp: 20685

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.3	112.9
200	31.3	23.4	35.2

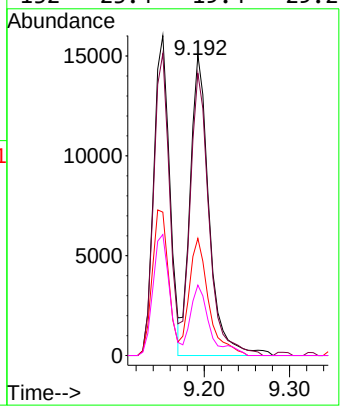




#44
2,4,5-Trichlorophenol
Concen: 5.165 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:196 Resp: 2334

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.1	114.1
97	39.0	31.9	47.9
132	23.4	19.4	29.2



Instrument :
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ClientSampleId :
SSTDICC005

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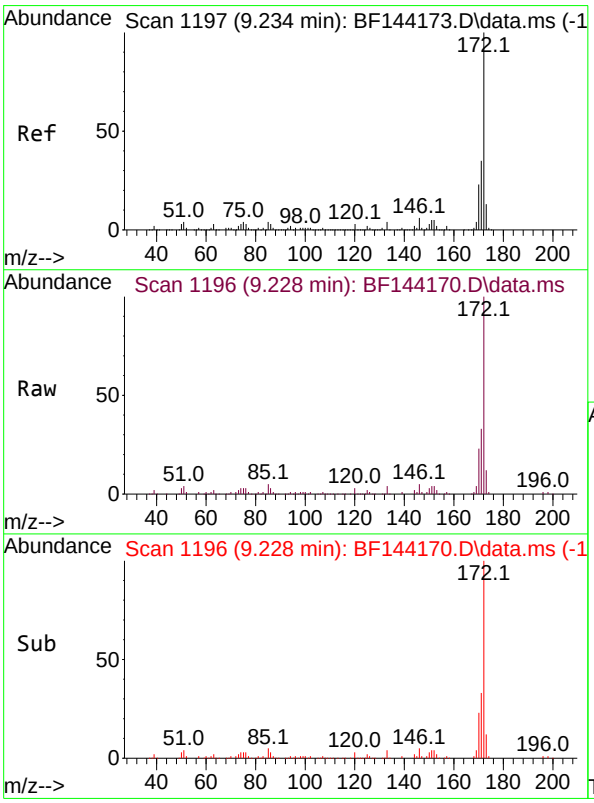
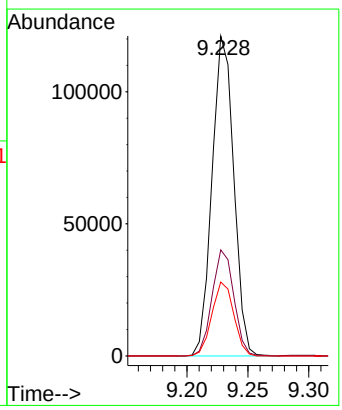
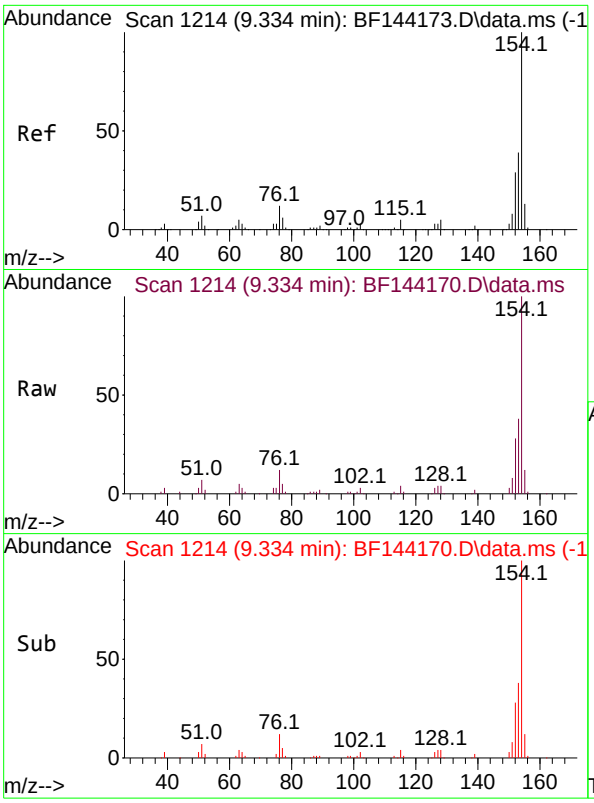


#45
2-Fluorobiphenyl
Concen: 11.803 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:172 Resp: 150248

Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.1	42.1
170	23.1	18.6	28.0

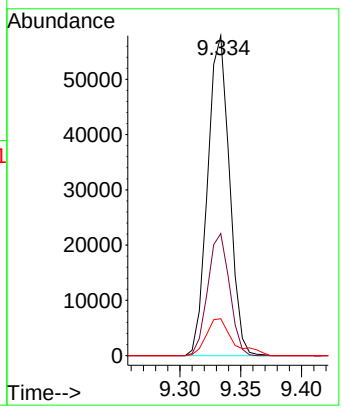




#46
1,1'-Biphenyl
Concen: 5.496 ng
RT: 9.334 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:154 Resp: 7212

Ion	Ratio	Lower	Upper
154	100		
153	38.1	19.2	59.2
76	11.5	0.0	31.8



Instrument :
BNA_F
ClientSampleId :
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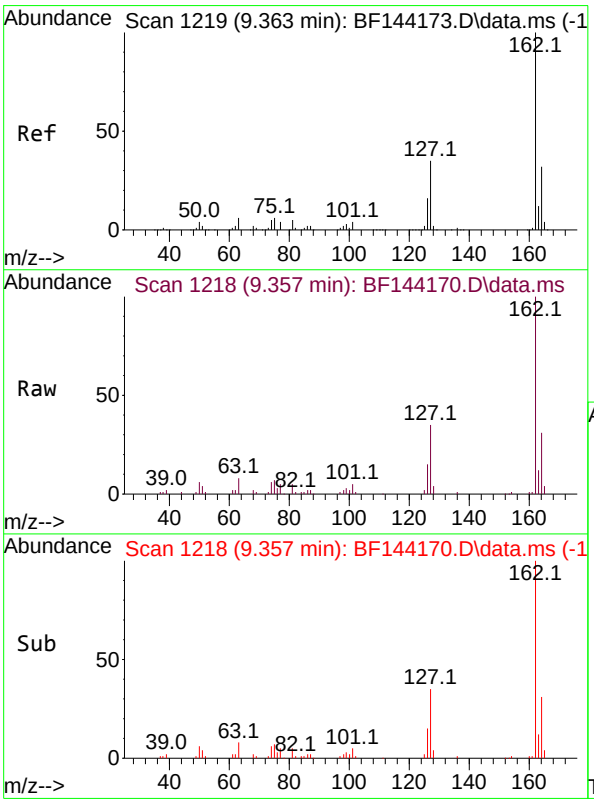
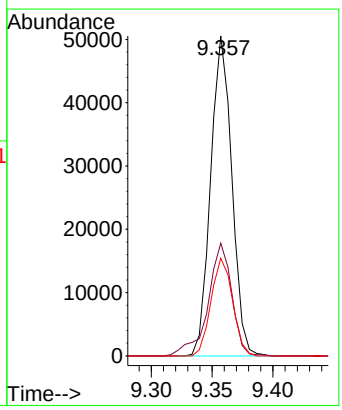
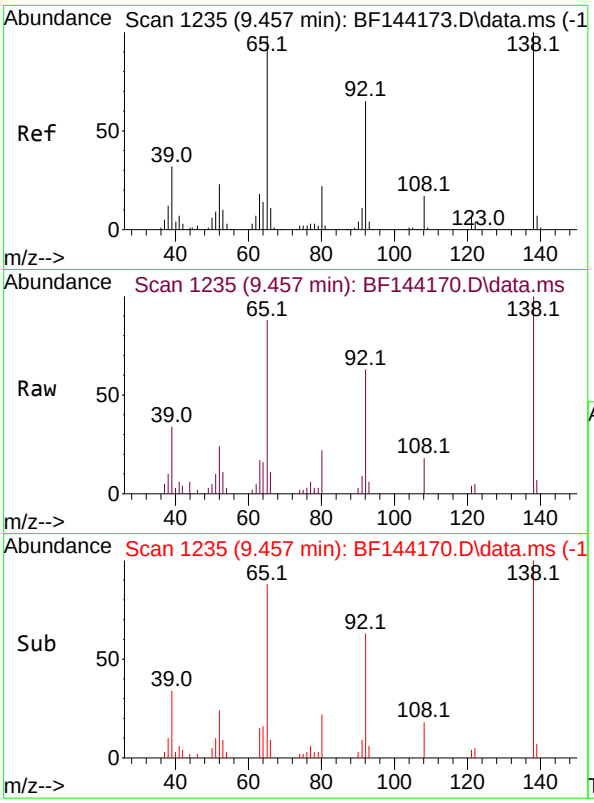


#47
2-Chloronaphthalene
Concen: 5.470 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:162 Resp: 61232

Ion	Ratio	Lower	Upper
162	100		
127	35.2	28.8	43.2
164	30.5	25.8	38.8

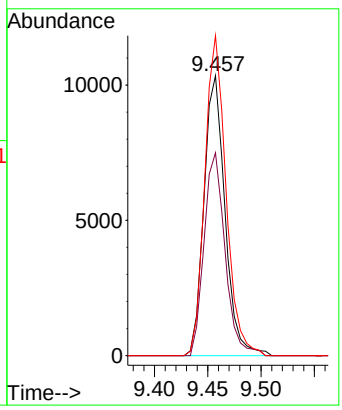




#48
2-Nitroaniline
Concen: 4.399 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 65 Resp: 1420

Ion	Ratio	Lower	Upper
65	100		
92	72.4	53.0	79.6
138	114.3	81.6	122.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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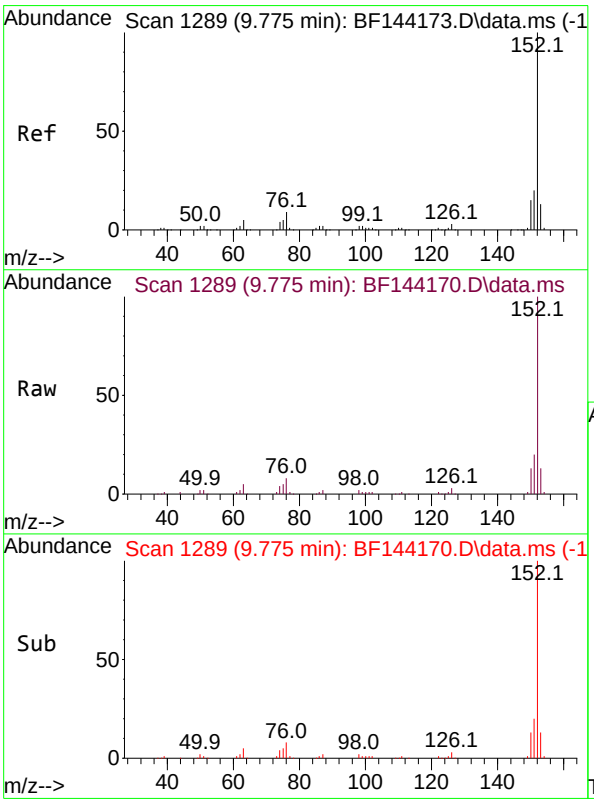
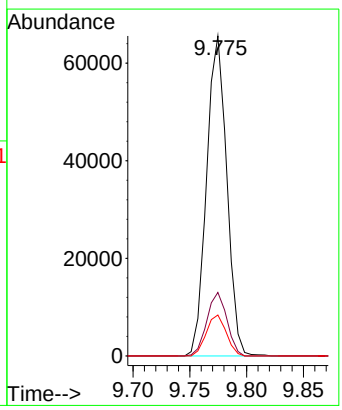
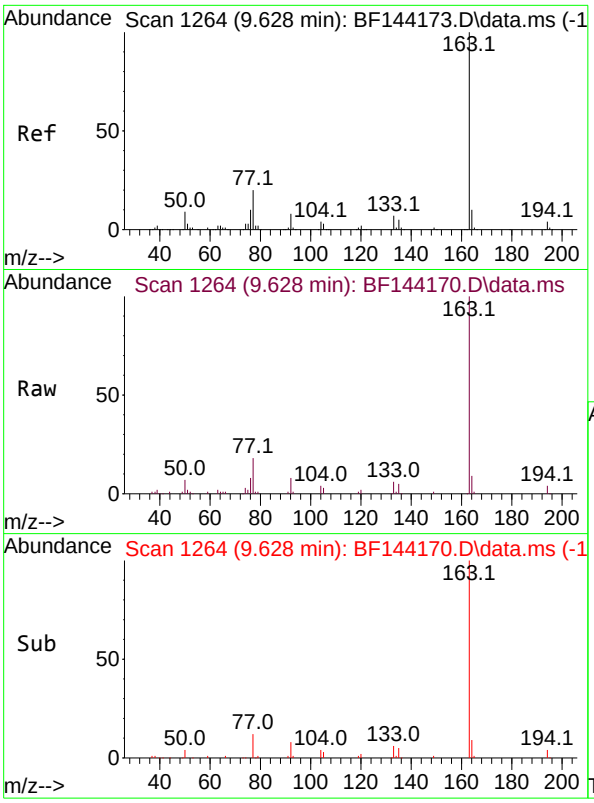


#49
Acenaphthylene
Concen: 5.321 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:152 Resp: 81168

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.5	15.7

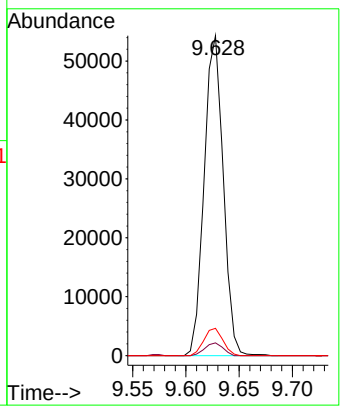




#50
Dimethylphthalate
Concen: 5.423 ng
RT: 9.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:163 Resp: 6753

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	8.5	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
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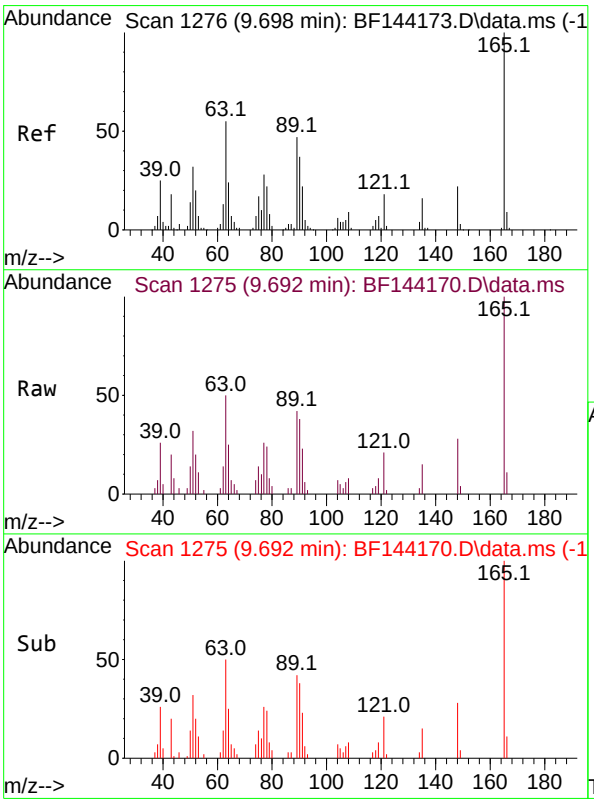
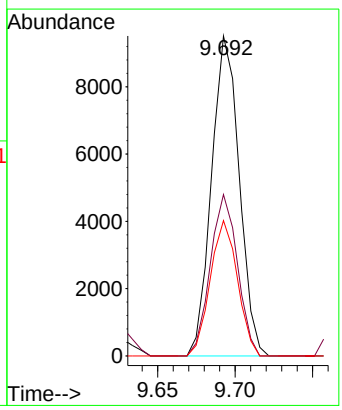
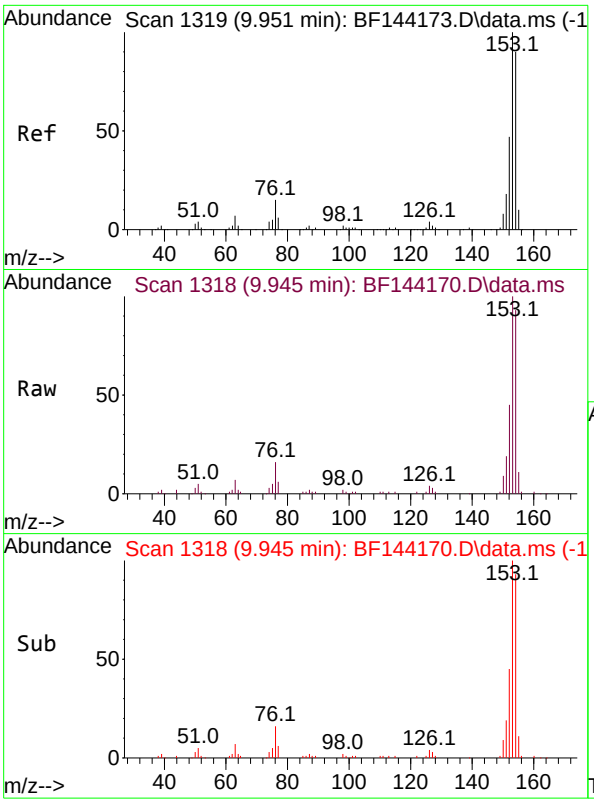


#51
2,6-Dinitrotoluene
Concen: 4.684 ng
RT: 9.692 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:165 Resp: 11809

Ion	Ratio	Lower	Upper
165	100		
63	50.5	43.8	65.8
89	42.3	37.5	56.3

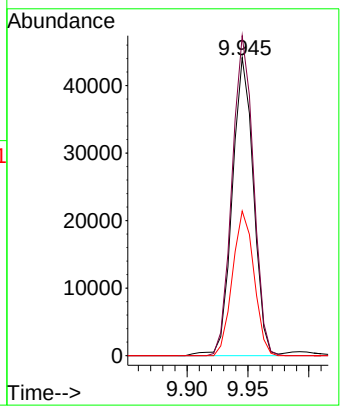




#52
Acenaphthene
Concen: 5.241 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:154 Resp: 5346

Ion	Ratio	Lower	Upper
154	100		
153	107.4	89.0	133.4
152	48.5	42.2	63.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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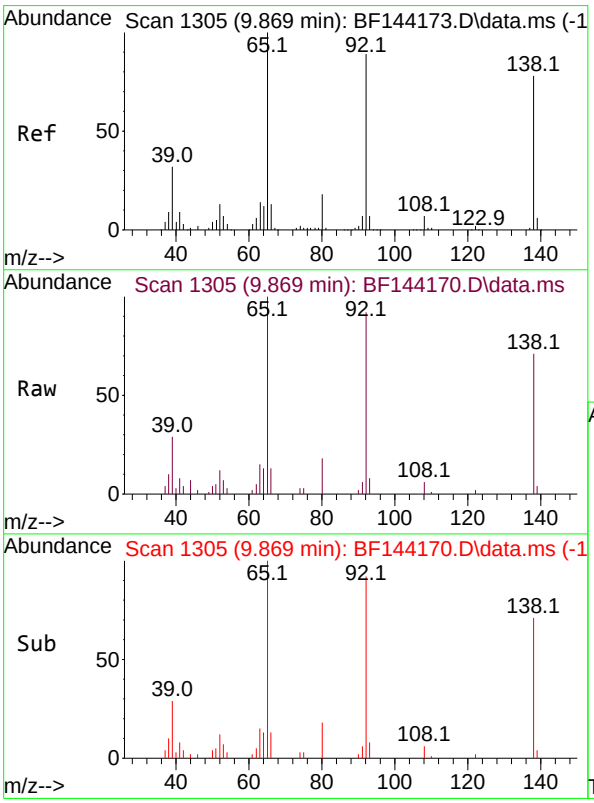
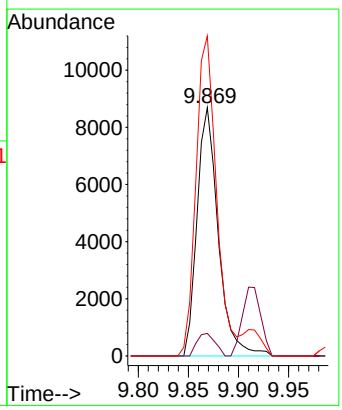
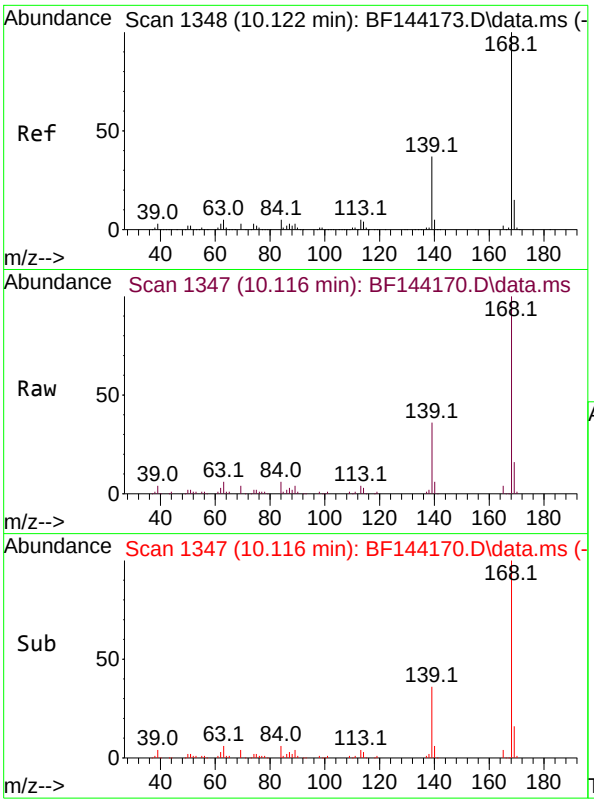


#53
3-Nitroaniline
Concen: 4.626 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:138 Resp: 12750

Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.5	11.3
92	128.9	91.8	137.6

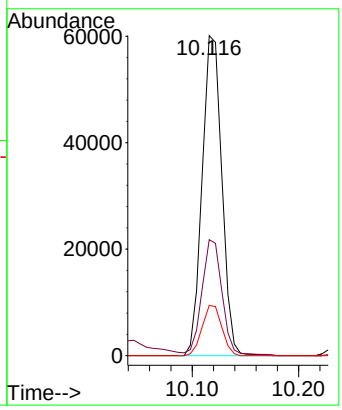




#55
Dibenzofuran
Concen: 5.409 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:168 Resp: 7727

Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.2	45.2
169	15.7	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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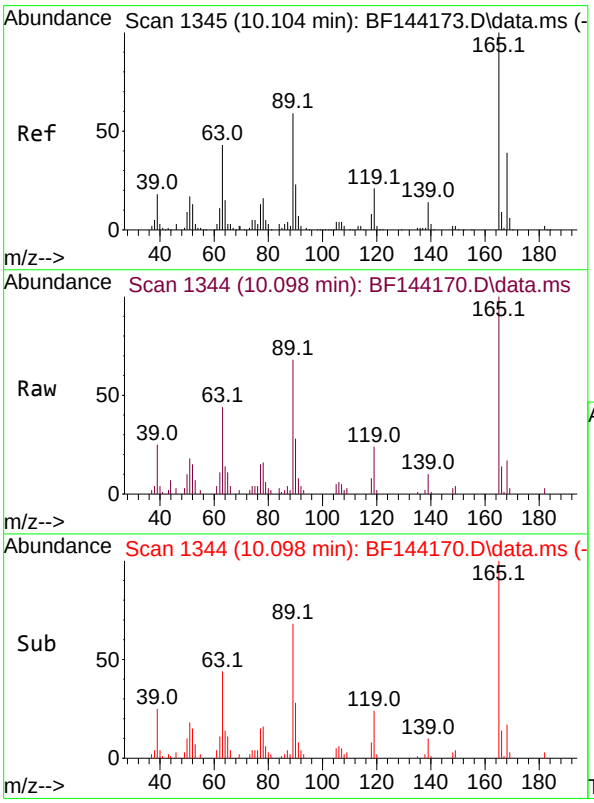
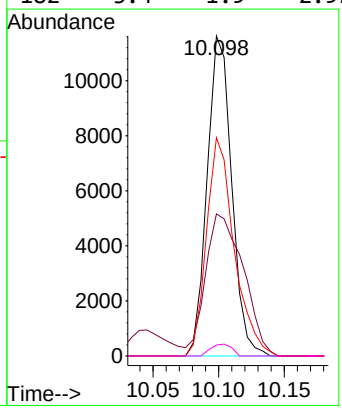
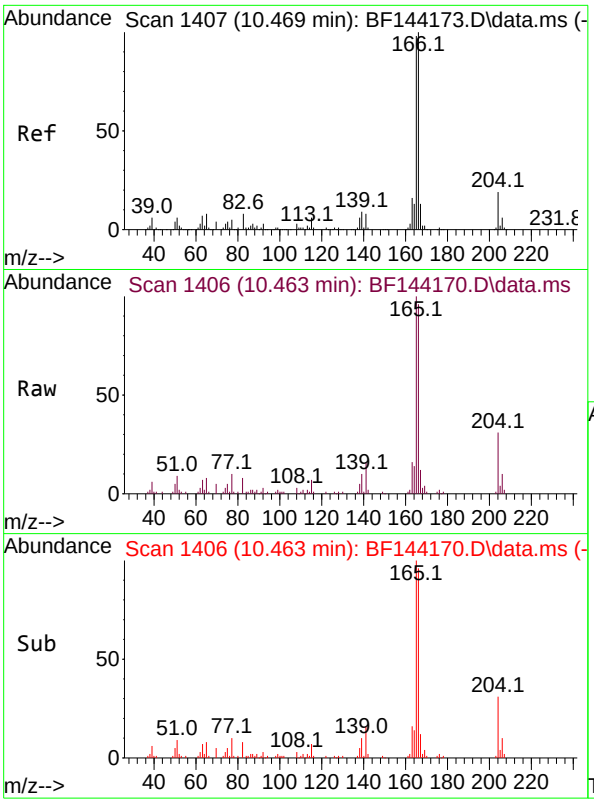


#57
2,4-Dinitrotoluene
Concen: 4.485 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:165 Resp: 15136

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.5	53.3
89	68.2	47.4	71.2
182	3.4	1.9	2.9#





#58
Fluorene
Concen: 5.605 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:166 Resp: 6088

Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.6	118.0
167	12.9	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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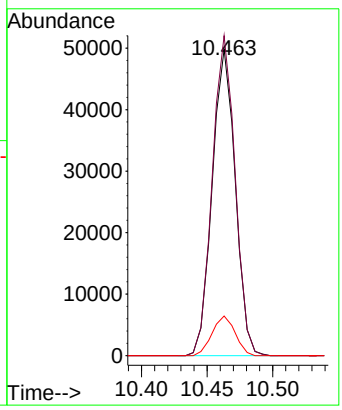
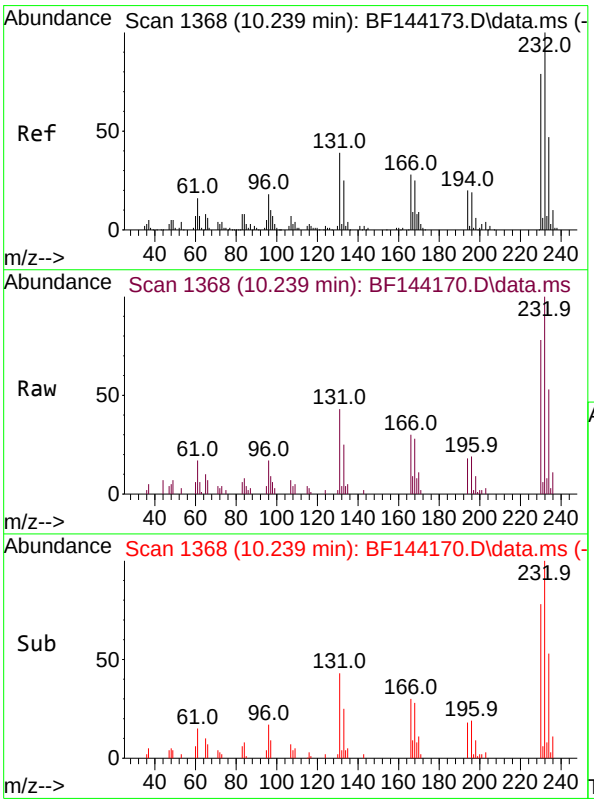
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

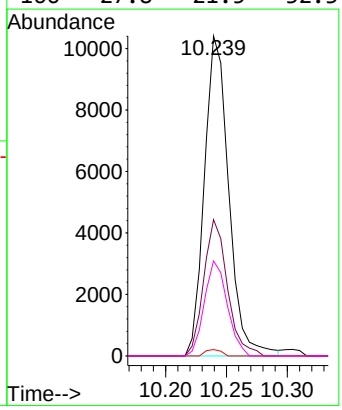


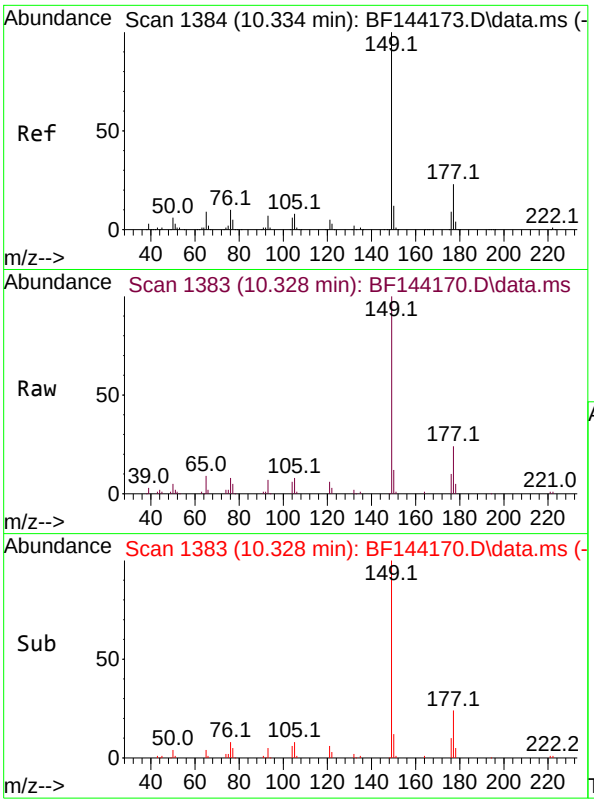


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.525 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:232 Resp: 14470

Ion	Ratio	Lower	Upper
232	100		
131	41.4	30.3	45.5
130	1.3	1.2	1.8
166	27.8	21.5	32.3

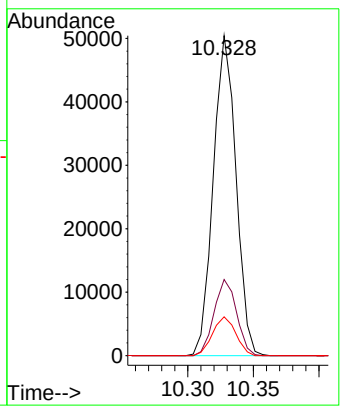




#60
Diethylphthalate
Concen: 5.297 ng
RT: 10.328 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 6081

Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.3	27.5
150	12.1	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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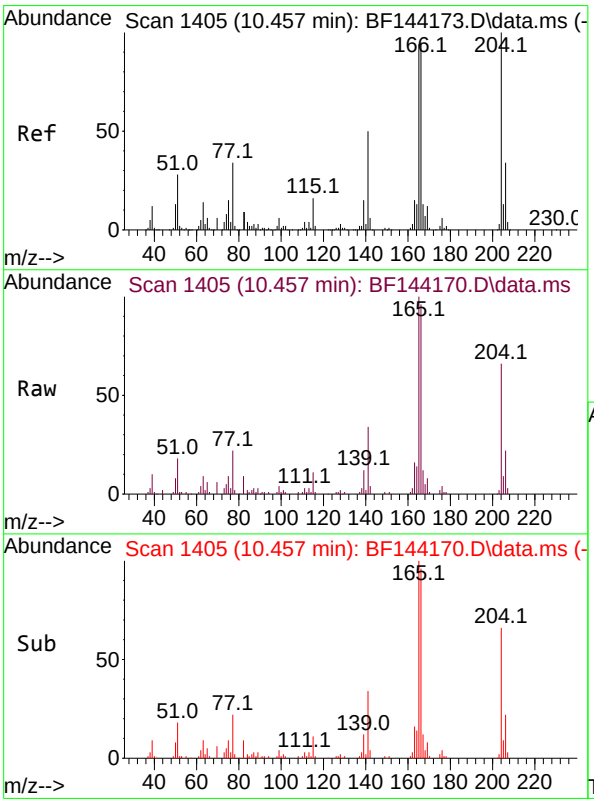
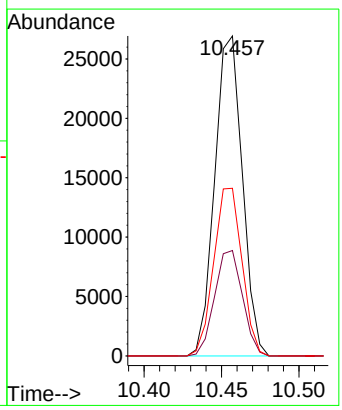
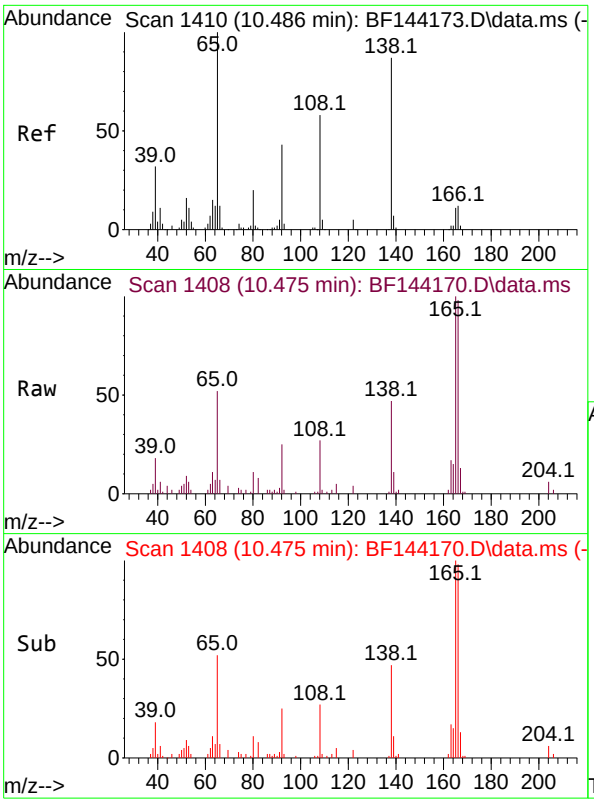


#61
4-Chlorophenyl-phenylether
Concen: 5.401 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:204 Resp: 33416

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.4	41.2
141	52.4	40.0	60.0

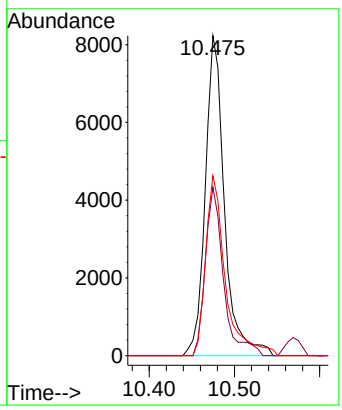




#62
4-Nitroaniline
Concen: 4.895 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:138 Resp: 1284

Ion	Ratio	Lower	Upper
138	100		
92	52.6	29.4	69.4
108	56.2	46.4	86.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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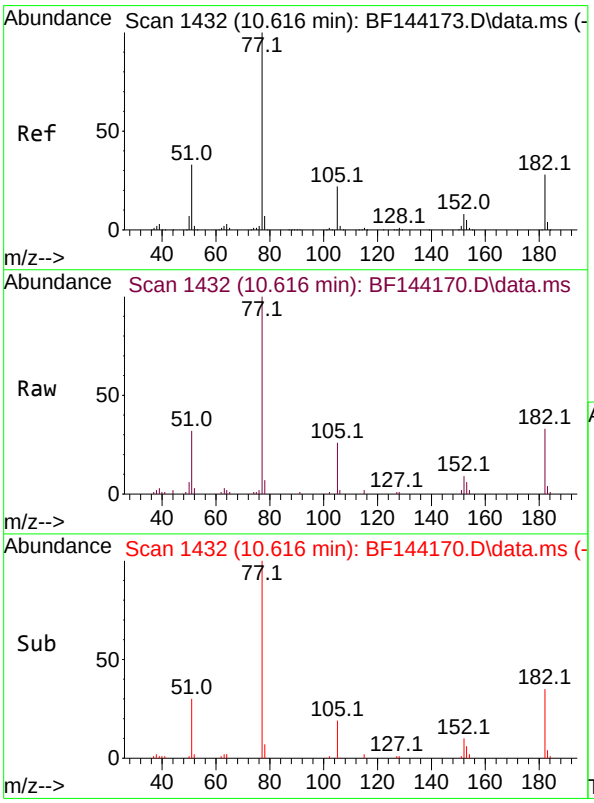
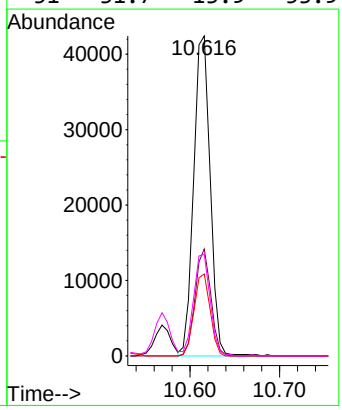
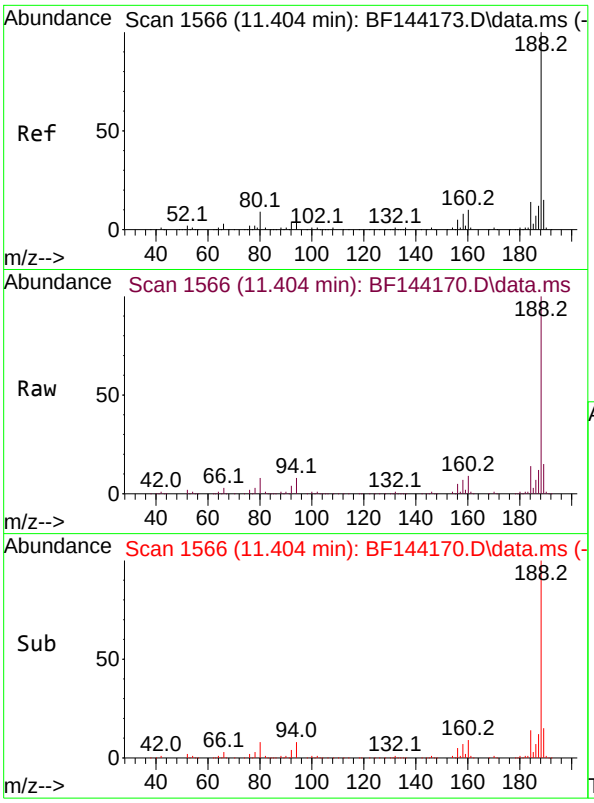


#63
Azobenzene
Concen: 5.089 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion: 77 Resp: 54383

Ion	Ratio	Lower	Upper
77	100		
182	33.4	8.1	48.1
105	25.6	2.0	42.0
51	31.7	13.9	53.9

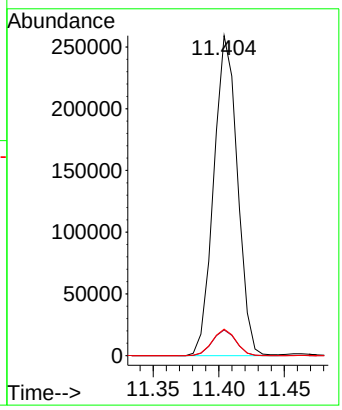




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:188 Resp: 32656

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.2	9.2
80	8.3	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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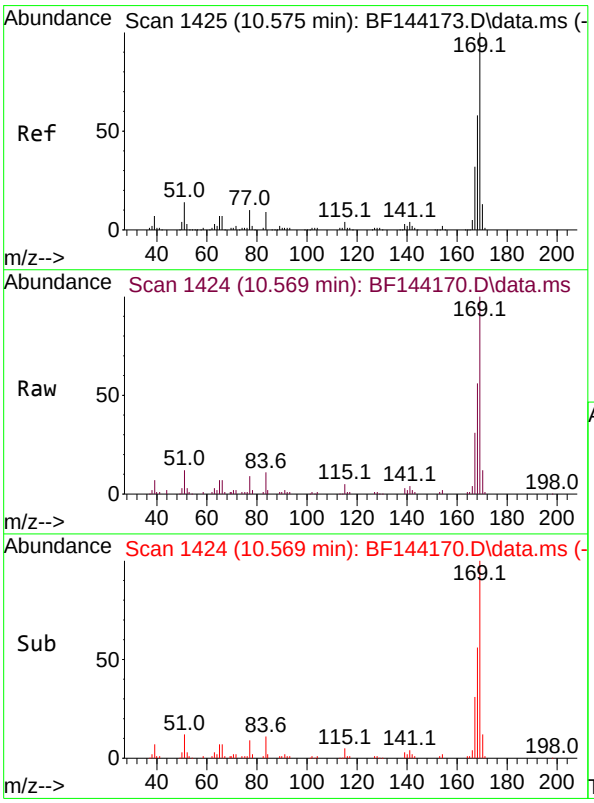
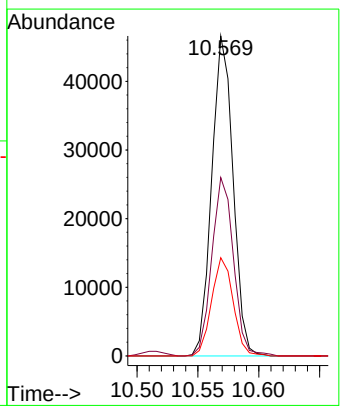
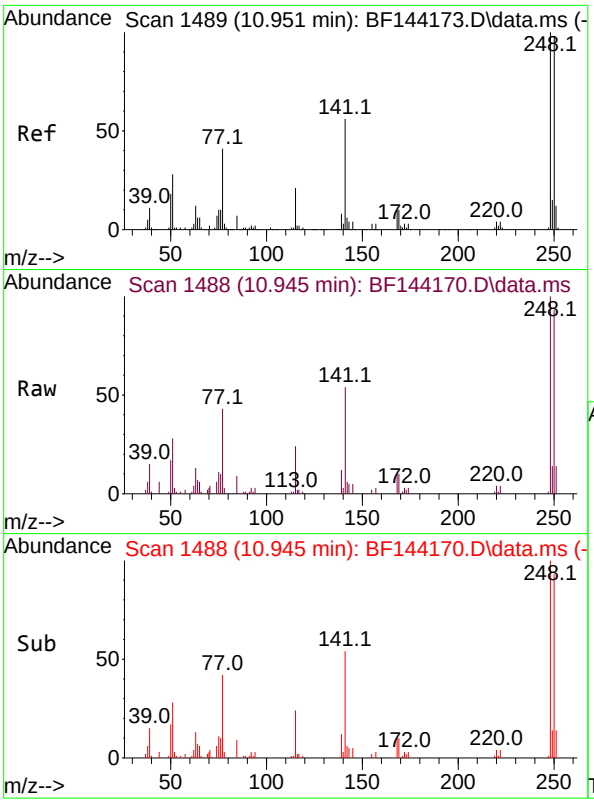


#66
n-Nitrosodiphenylamine
Concen: 5.401 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:169 Resp: 56733

Ion	Ratio	Lower	Upper
169	100		
168	55.7	46.2	69.2
167	30.7	25.7	38.5





#67
4-Bromophenyl-phenylether
Concen: 5.169 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:248 Resp: 2154

Ion	Ratio	Lower	Upper
248	100		
250	92.8	78.4	117.6
141	54.2	45.1	67.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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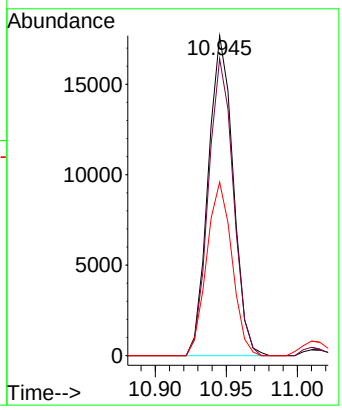
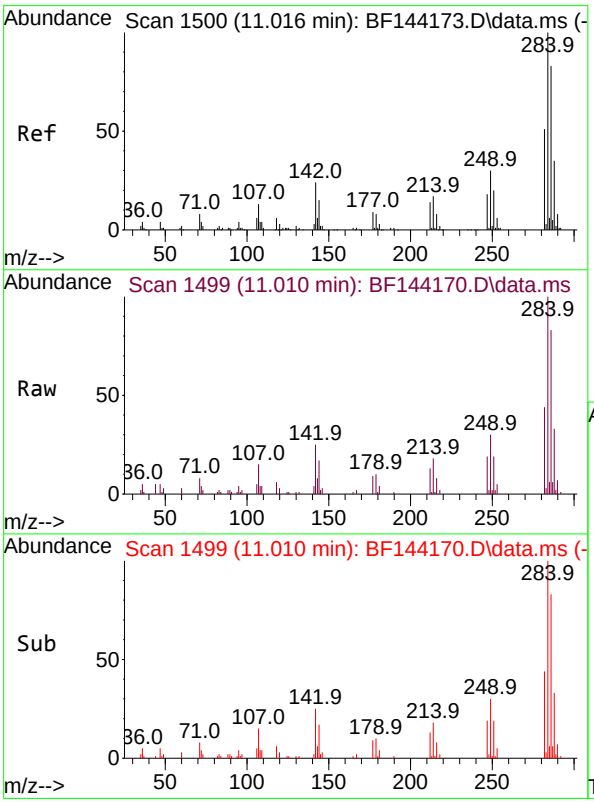
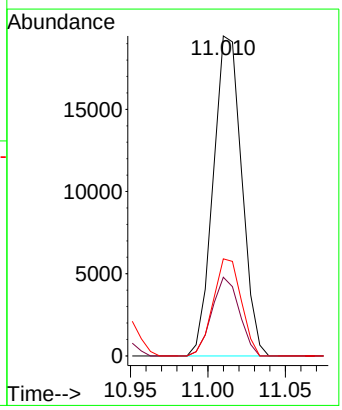


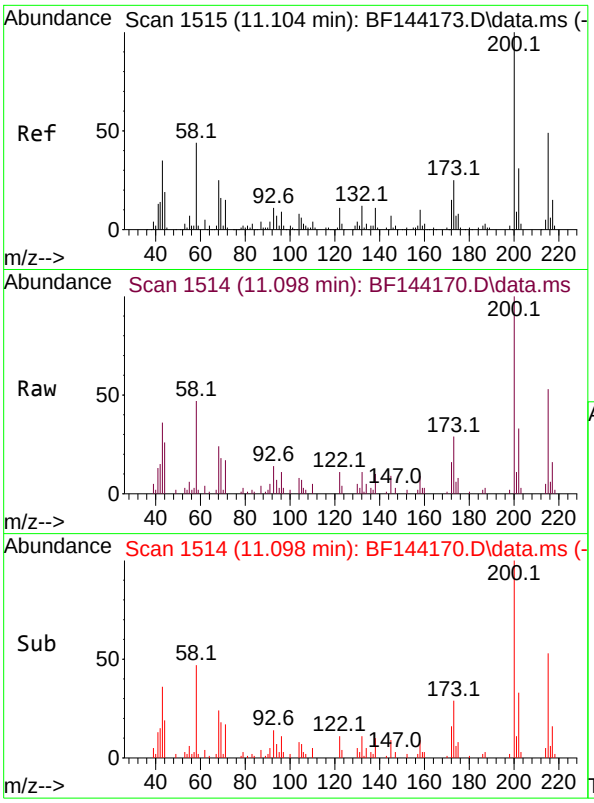


#68
Hexachlorobenzene
Concen: 5.082 ng
RT: 11.010 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:284 Resp: 24951

Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.2	28.8
249	30.3	23.8	35.8

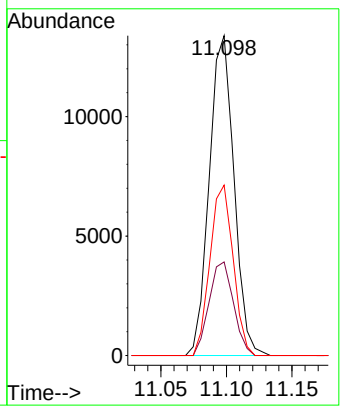




#69
Atrazine
Concen: 5.253 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:200 Resp: 1754

Ion	Ratio	Lower	Upper
200	100		
173	29.3	5.0	45.0
215	53.3	28.7	68.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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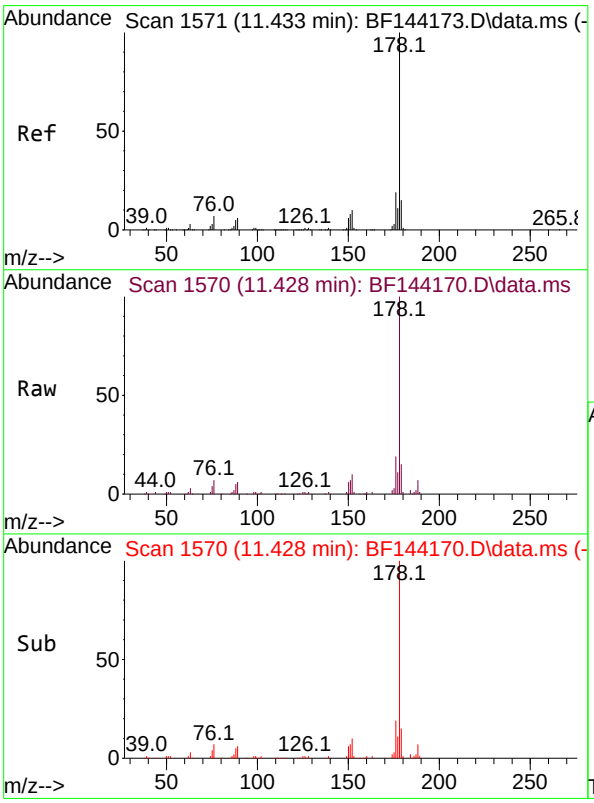
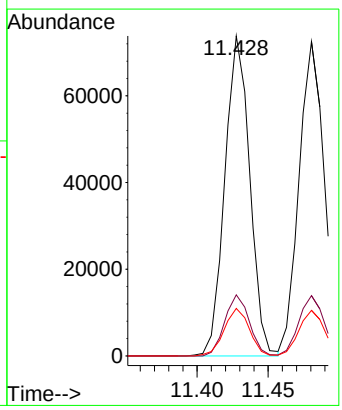
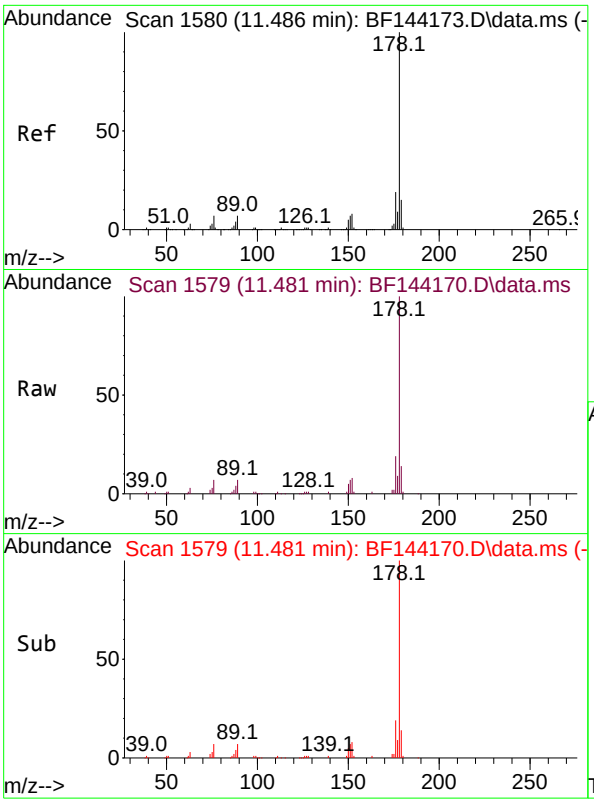


#71
Phenanthrene
Concen: 5.537 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:178 Resp: 90035

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	14.8	12.2	18.4

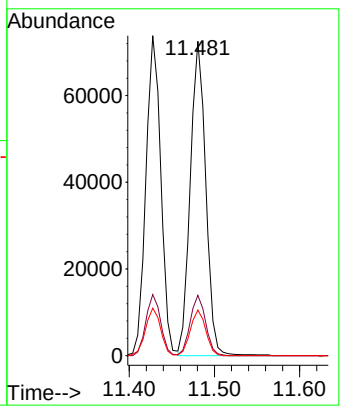




#72
Anthracene
Concen: 5.529 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:178 Resp: 9141

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	14.5	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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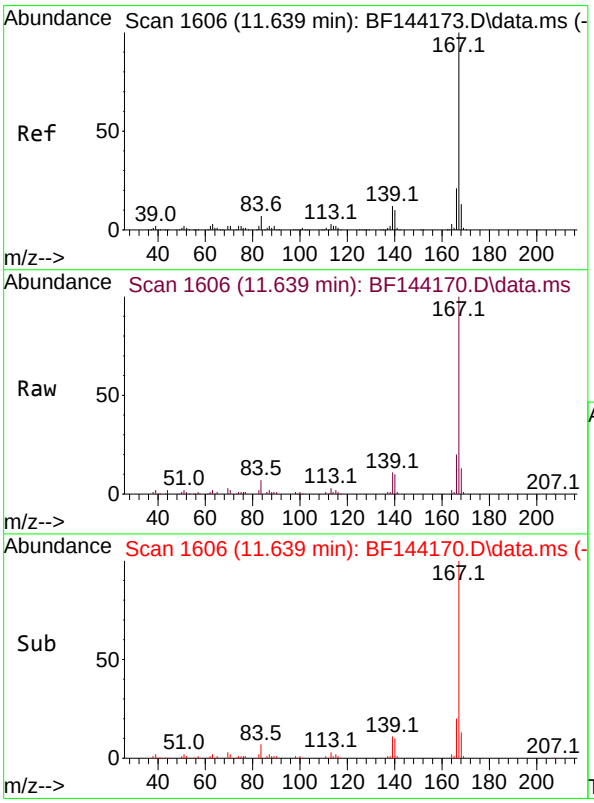
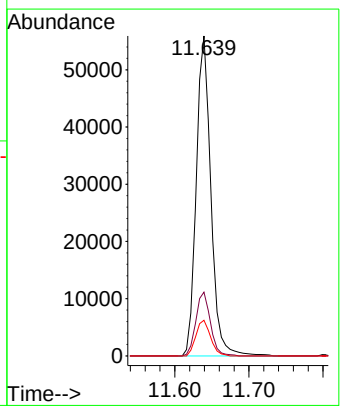
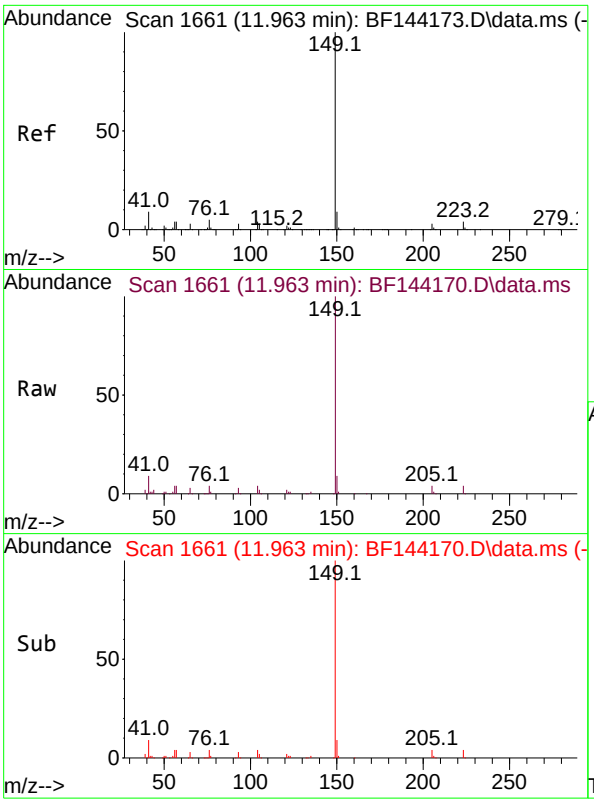


#73
Carbazole
Concen: 5.449 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:167 Resp: 76605

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.2	25.8
139	11.1	9.9	14.9

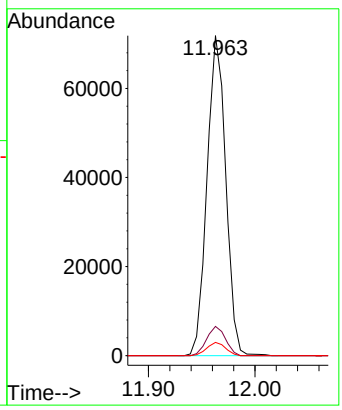




#74
Di-n-butylphthalate
Concen: 5.163 ng
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 8775

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.1	3.4	5.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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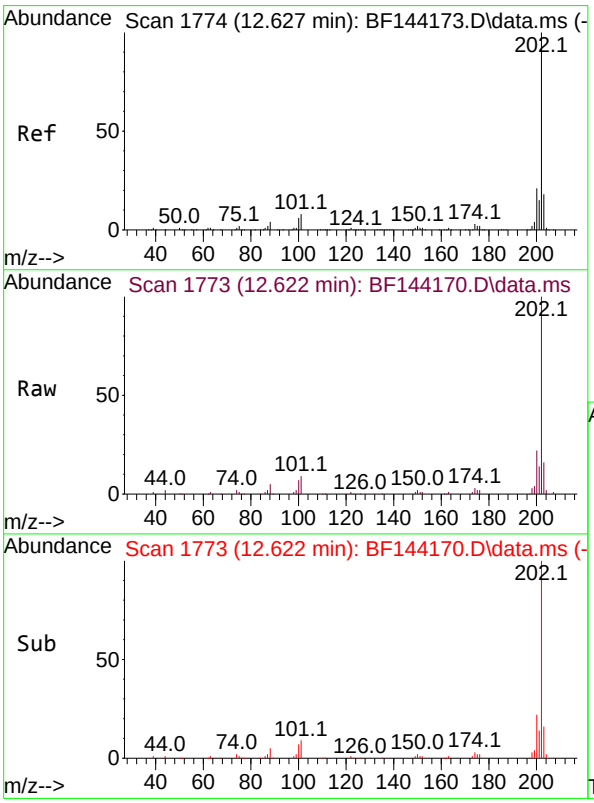
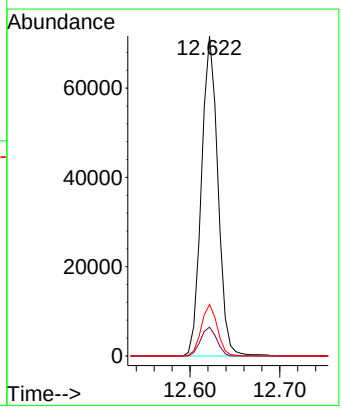
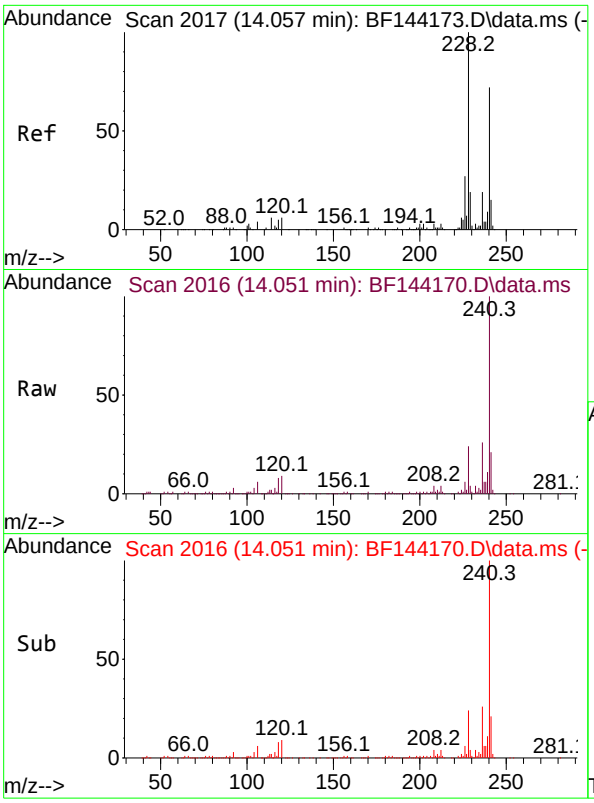


#75
Fluoranthene
Concen: 5.430 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:202 Resp: 91198

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	27.9
203	16.1	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 21570

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.6	10.0
236	25.9	21.4	32.2

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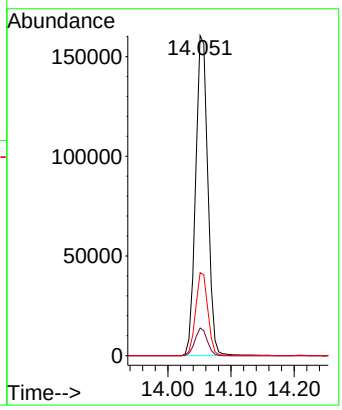
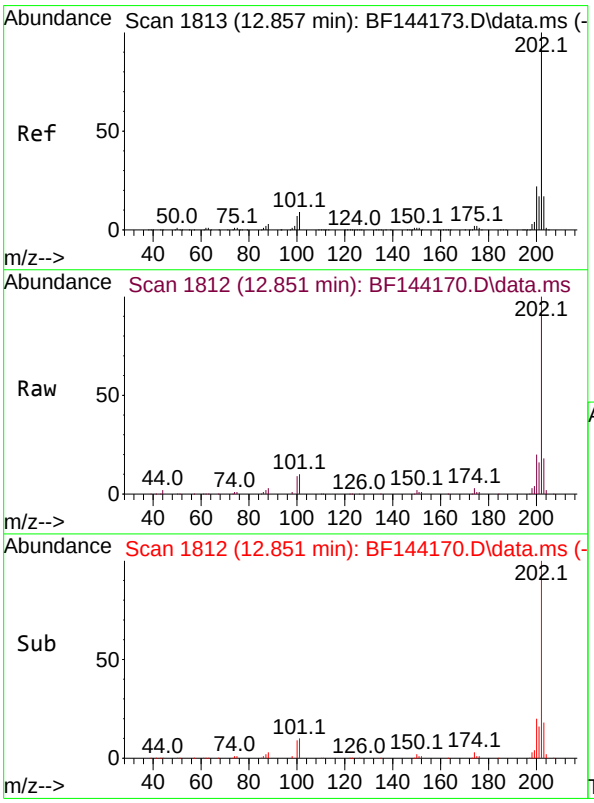
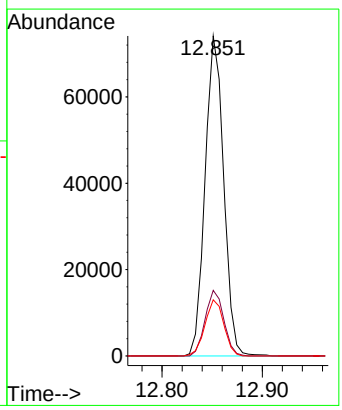


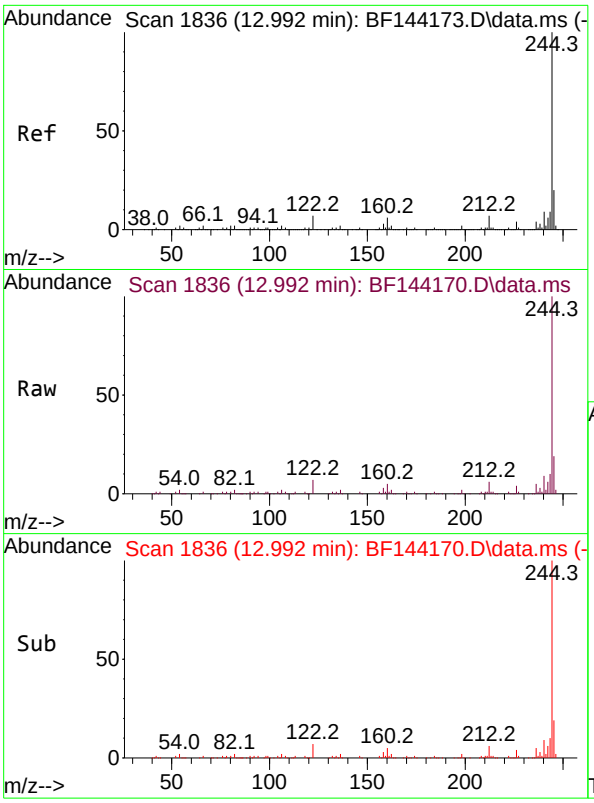


#78
Pyrene
Concen: 5.465 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:202 Resp: 95053

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.2	25.8
203	17.5	13.7	20.5

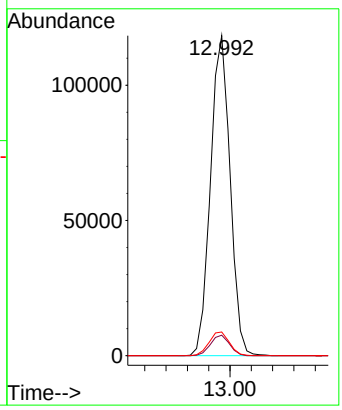




#79
Terphenyl-d14
Concen: 11.145 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:244 Resp: 15134

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.4	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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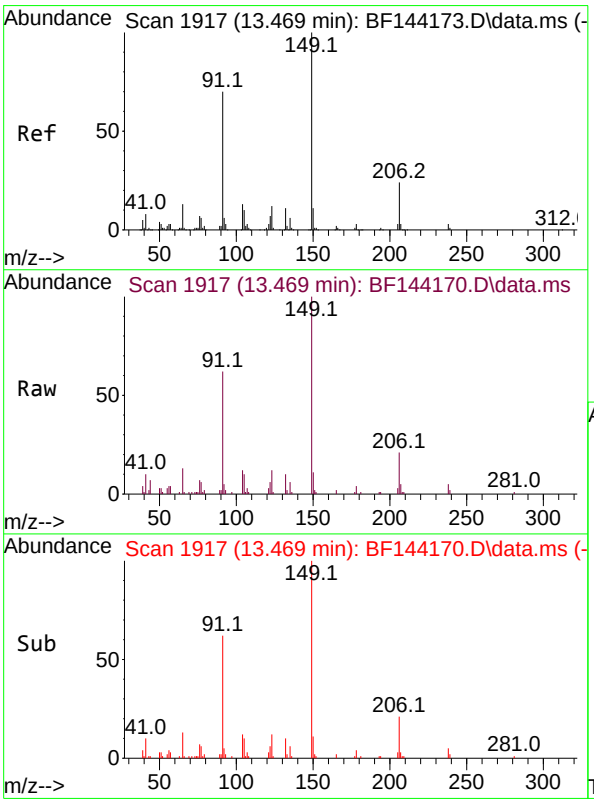
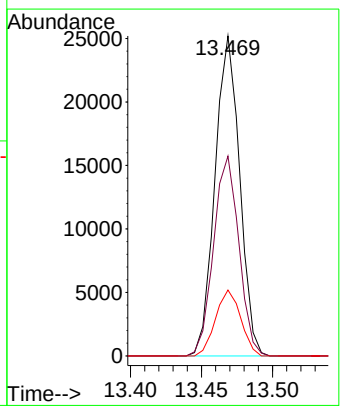
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

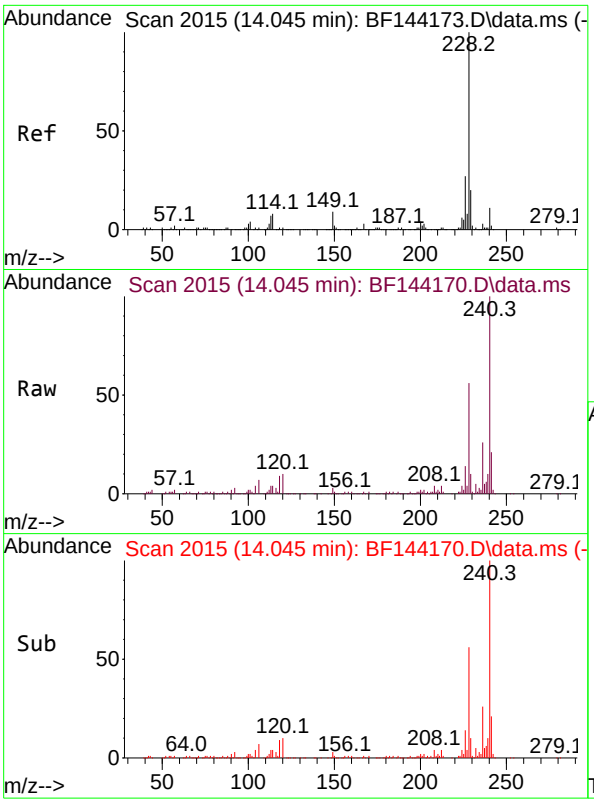


#80
Butylbenzylphthalate
Concen: 5.056 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 30478

Ion	Ratio	Lower	Upper
149	100		
91	62.4	56.1	84.1
206	20.6	18.8	28.2

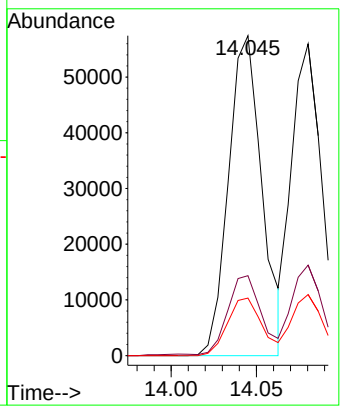




#81
Benzo(a)anthracene
Concen: 5.249 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:228 Resp: 7847

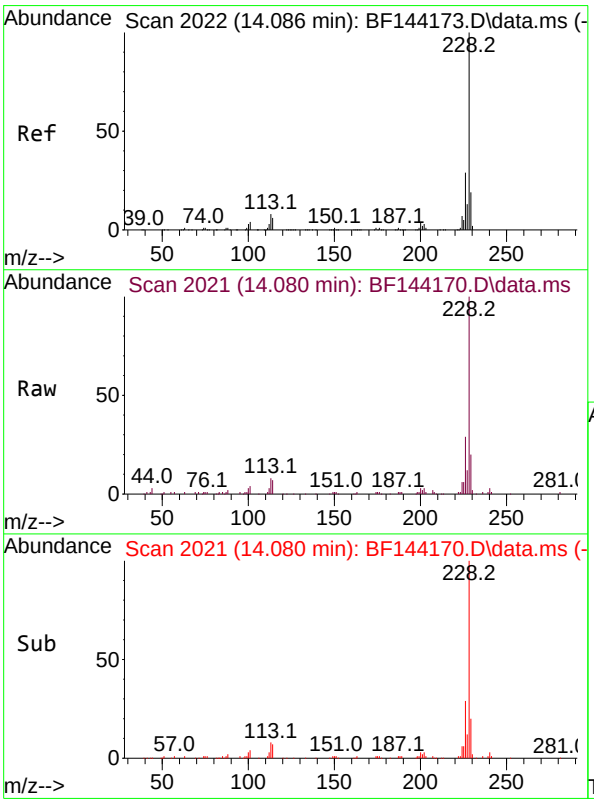
Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.8	32.8
229	18.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

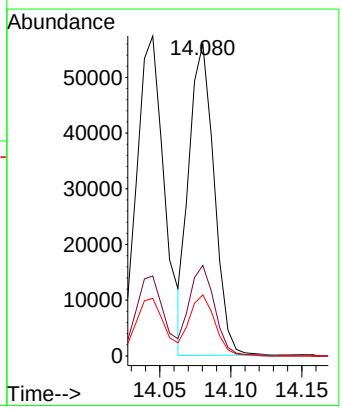
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

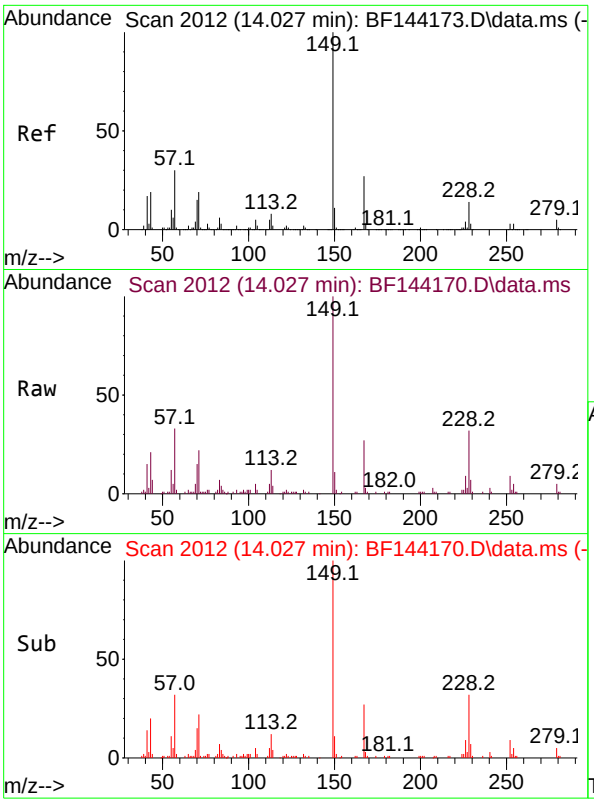


#83
Chrysene
Concen: 4.986 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:228 Resp: 68808

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.9	34.3
229	19.6	15.0	22.6

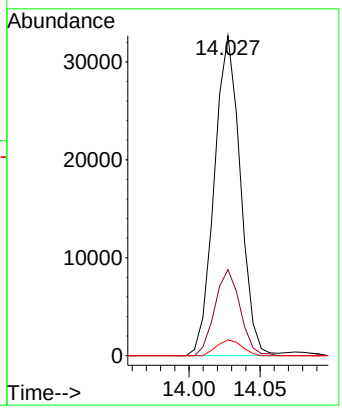




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.054 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:149 Resp: 4170

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	4.9	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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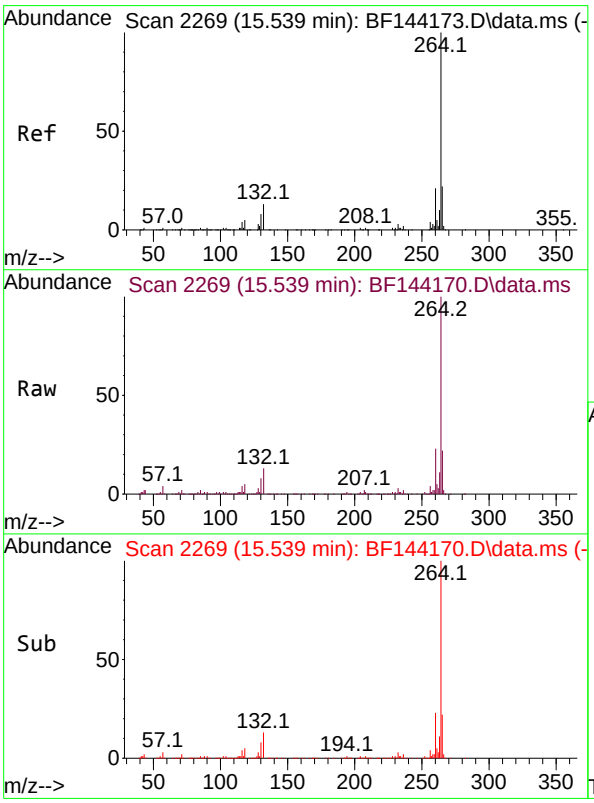
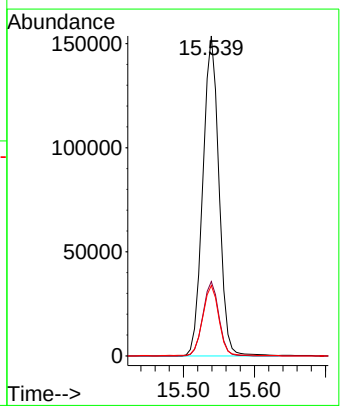
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

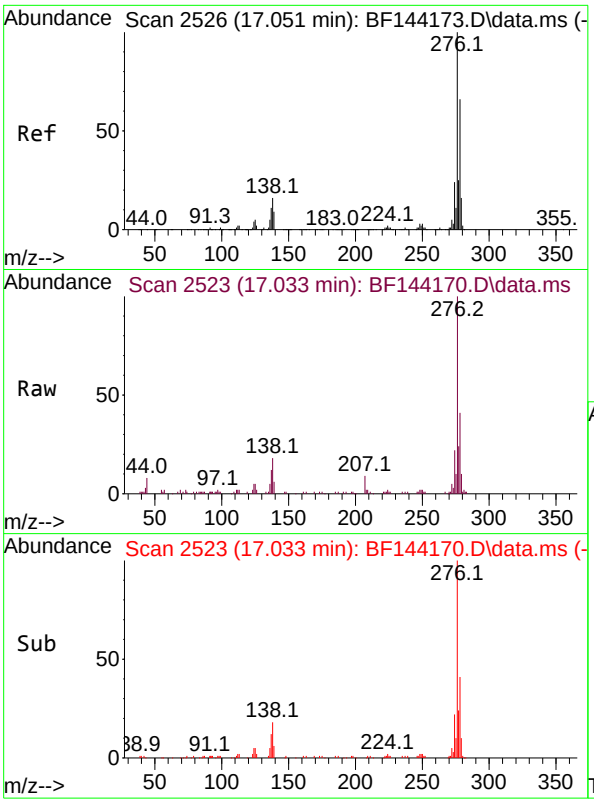


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:264 Resp: 241361

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.1	25.7
265	22.0	17.4	26.0

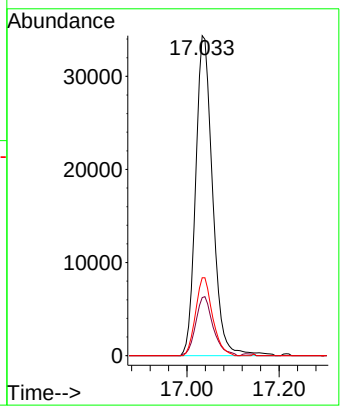




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.049 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:276 Resp: 8748

Ion	Ratio	Lower	Upper
276	100		
138	18.9	13.9	20.9
277	24.2	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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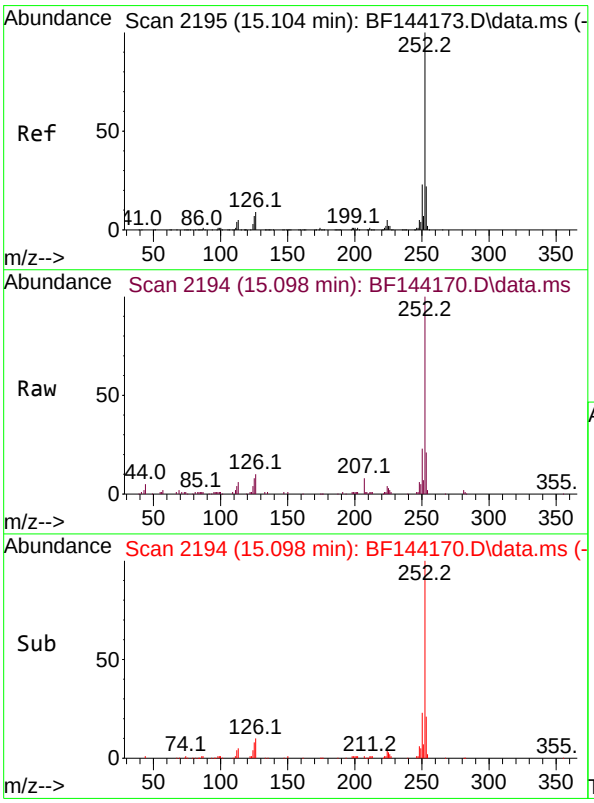
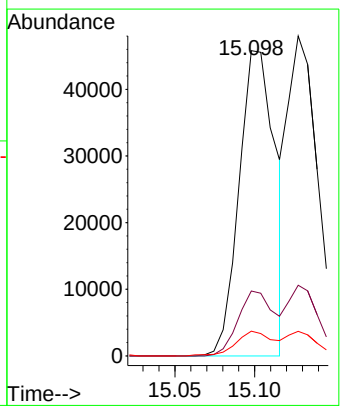
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

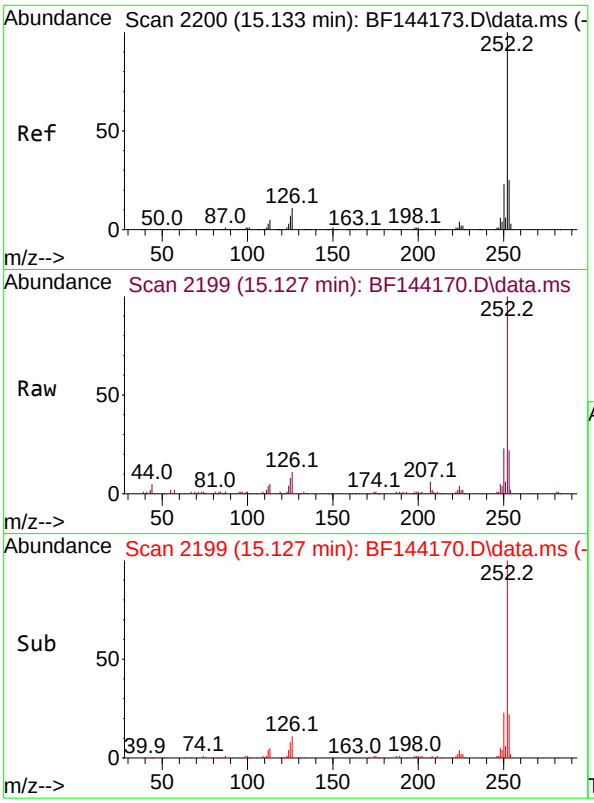


#88
Benzo(b)fluoranthene
Concen: 5.273 ng m
RT: 15.098 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:252 Resp: 72360

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	8.1	5.3	7.9#

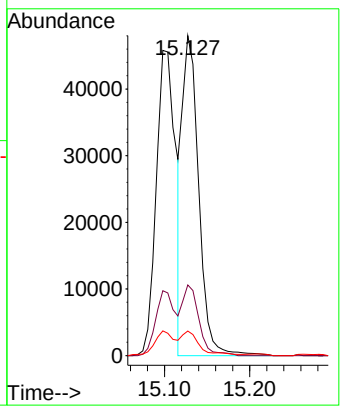




#89
Benzo(k)fluoranthene
Concen: 5.060 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:252 Resp: 6498

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	7.7	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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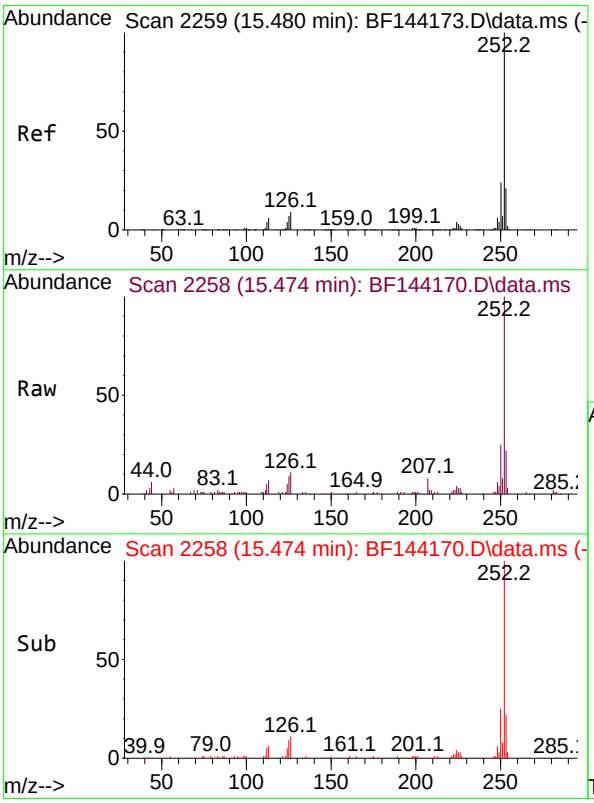
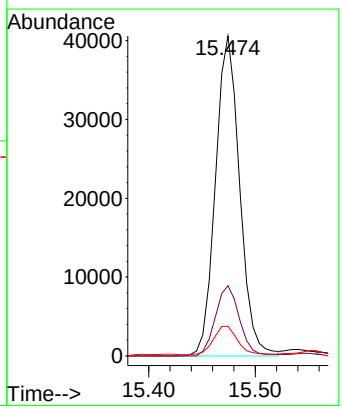
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

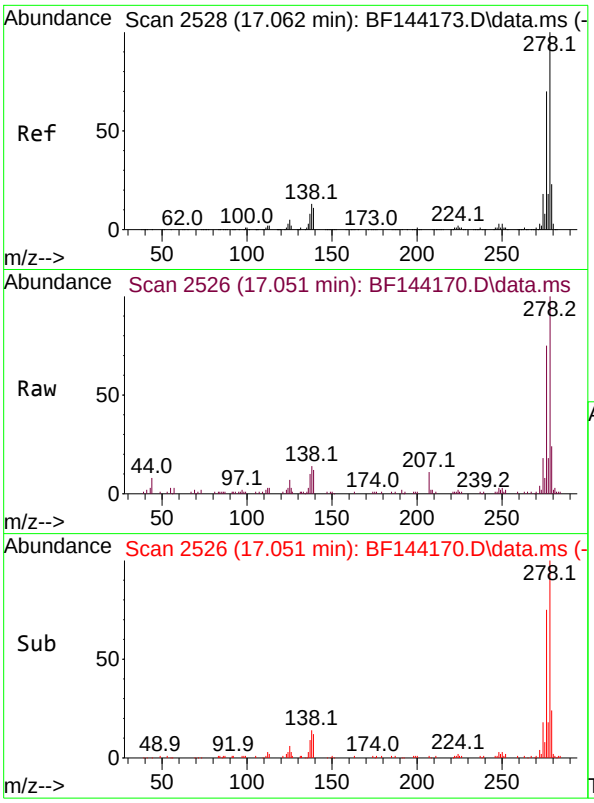


#90
Benzo(a)pyrene
Concen: 5.071 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:252 Resp: 64190

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.7	25.1
125	9.3	5.7	8.5#





#91
Dibenzo(a,h)anthracene
Concen: 5.010 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 6971

Ion	Ratio	Lower	Upper
278	100		
139	11.7	9.1	13.7
279	23.9	18.2	27.4

Manual Integrations
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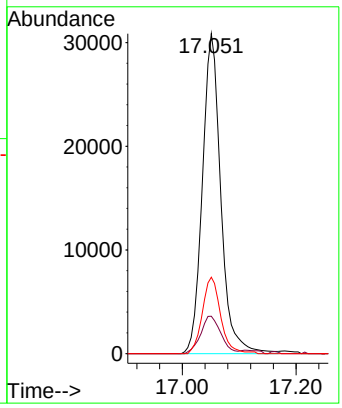
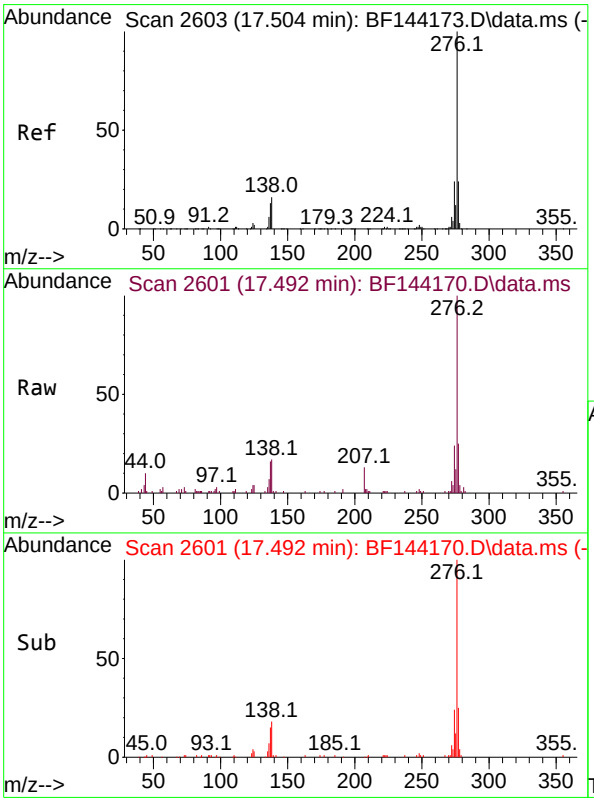
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

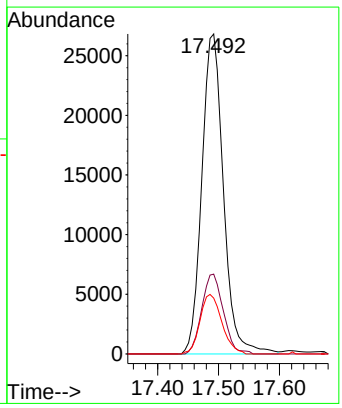




#92
Benzo(g,h,i)perylene
Concen: 4.810 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.029 min
Lab File: BF144170.D
Acq: 05 Nov 2025 13:20

Tgt Ion:276 Resp: 66099

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	17.4	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	112609	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	438512	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	261107	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	469428	20.000	ng	0.00
76) Chrysene-d12	14.057	240	296506	20.000	ng	0.00
86) Perylene-d12	15.539	264	311371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	146731	20.391	ng	0.00
7) Phenol-d6	6.498	99	170929	20.963	ng	-0.01
23) Nitrobenzene-d5	7.434	82	154488	20.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	66981	20.442	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	372845	21.090	ng	-0.01
79) Terphenyl-d14	12.992	244	419548	22.476	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	27411	9.214	ng	97
3) Pyridine	3.393	79	79148	9.536	ng	99
4) n-Nitrosodimethylamine	3.322	42	40456	9.331	ng	95
6) Aniline	6.534	93	122118	10.512	ng	98
8) 2-Chlorophenol	6.657	128	73729	10.448	ng	99
9) Benzaldehyde	6.422	77	58146	12.629	ng	98
10) Phenol	6.510	94	106765	10.717	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	75075	10.342	ng	98
12) 1,3-Dichlorobenzene	6.816	146	88594	10.174	ng	98
13) 1,4-Dichlorobenzene	6.893	146	87984	10.085	ng	96
14) 1,2-Dichlorobenzene	7.045	146	84997	10.165	ng	98
15) Benzyl Alcohol	7.010	79	64160	9.937	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	139062	10.403	ng	97
17) 2-Methylphenol	7.122	107	59368	10.575	ng	98
18) Hexachloroethane	7.387	117	28876	9.963	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	57621	10.735	ng	98
20) 3+4-Methylphenols	7.275	107	74874	11.314	ng	96
22) Acetophenone	7.281	105	101777	10.819	ng	97
24) Nitrobenzene	7.451	77	85567	10.380	ng	98
25) Isophorone	7.692	82	146541	10.204	ng	98
26) 2-Nitrophenol	7.769	139	41083	10.067	ng	97
27) 2,4-Dimethylphenol	7.804	122	60896	9.956	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	91497	10.202	ng	95
29) 2,4-Dichlorophenol	8.016	162	75032	10.643	ng	97
30) 1,2,4-Trichlorobenzene	8.098	180	76623	10.585	ng	94
31) Naphthalene	8.181	128	220903	10.590	ng	99
32) Benzoic acid	7.910	122	58822	13.120	ng	92
33) 4-Chloroaniline	8.228	127	79703	10.476	ng	97
34) Hexachlorobutadiene	8.292	225	54849	10.054	ng	96
35) Caprolactam	8.575	113	20560	10.645	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	67228	10.641	ng	96
37) 2-Methylnaphthalene	8.869	142	147427	10.571	ng	99
38) 1-Methylnaphthalene	8.969	142	149280	11.093	ng	97
40) 1,2,4,5-Tetrachloroben...	9.034	216	86408	10.098	ng	99
41) Hexachlorocyclopentadiene	9.022	237	15765	10.609	ng	93
43) 2,4,6-Trichlorophenol	9.145	196	58560	10.054	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

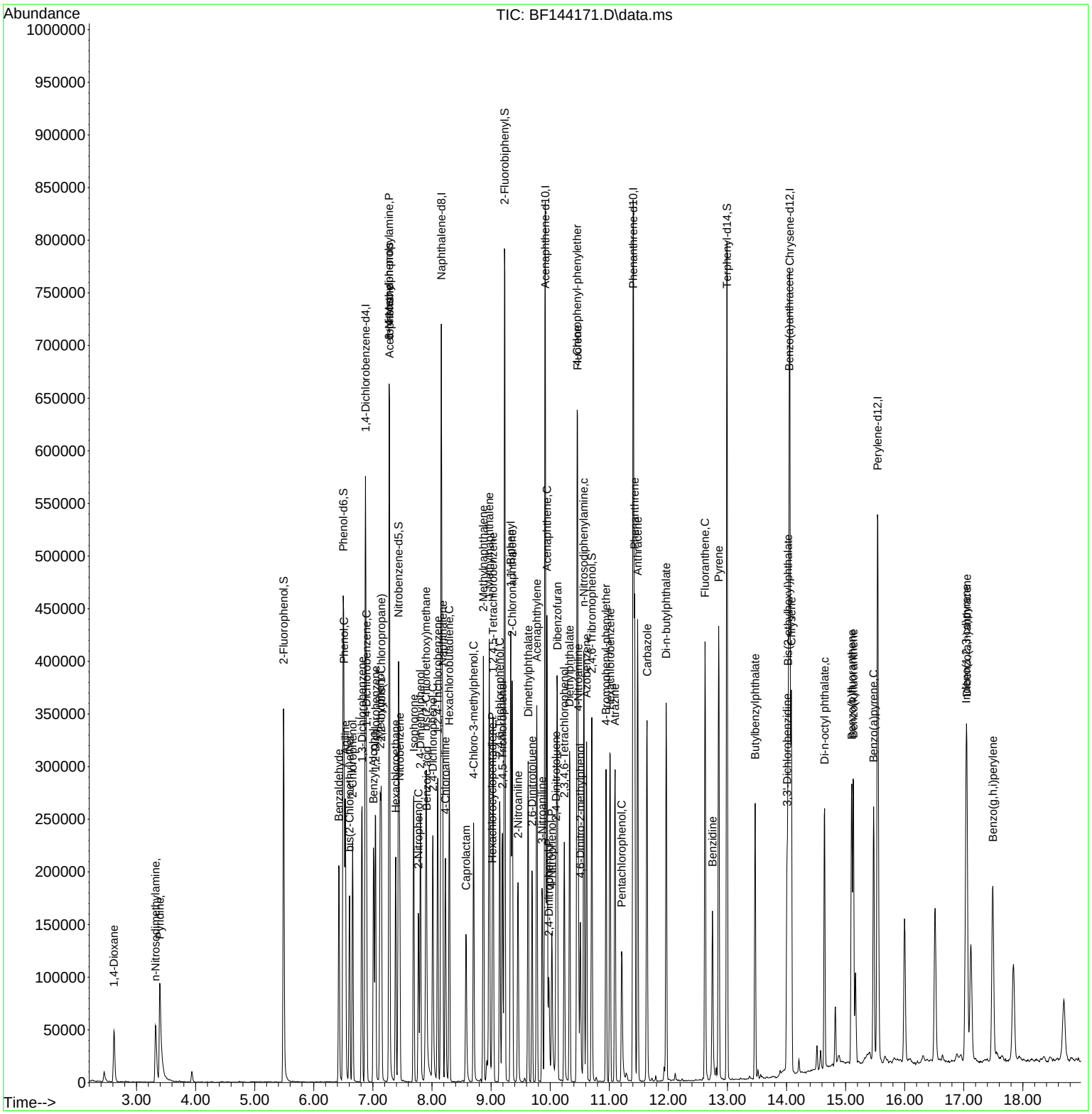
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	63779	10.160	ng		98
46) 1,1'-Biphenyl	9.334	154	188739	10.355	ng		99
47) 2-Chloronaphthalene	9.357	162	158745	10.211	ng		100
48) 2-Nitroaniline	9.457	65	45323	10.104	ng		97
49) Acenaphthylene	9.775	152	220118	10.390	ng		99
50) Dimethylphthalate	9.628	163	175284	10.133	ng		99
51) 2,6-Dinitrotoluene	9.692	165	35433	10.119	ng		98
52) Acenaphthene	9.945	154	151661	10.705	ng		99
53) 3-Nitroaniline	9.863	138	39270	10.259	ng		99
54) 2,4-Dinitrophenol	9.981	184	26319	12.447	ng		97
55) Dibenzofuran	10.122	168	208943	10.530	ng		99
56) 4-Nitrophenol	10.028	139	35627	12.867	ng		98
57) 2,4-Dinitrotoluene	10.098	165	49257	10.508	ng	#	98
58) Fluorene	10.463	166	159623	10.581	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	45333	10.207	ng		97
60) Diethylphthalate	10.328	149	166246	10.426	ng		98
61) 4-Chlorophenyl-phenyle...	10.457	204	91478	10.645	ng		99
62) 4-Nitroaniline	10.475	138	37821	10.375	ng		98
63) Azobenzene	10.616	77	157098	10.586	ng		96
65) 4,6-Dinitro-2-methylph...	10.510	198	34516	10.823	ng		99
66) n-Nitrosodiphenylamine	10.569	169	158661	10.509	ng		98
67) 4-Bromophenyl-phenylether	10.945	248	60929	10.169	ng		96
68) Hexachlorobenzene	11.016	284	71759	10.168	ng		94
69) Atrazine	11.098	200	49466	10.302	ng		97
70) Pentachlorophenol	11.210	266	31673	9.012	ng		97
71) Phenanthrene	11.428	178	244478	10.460	ng		99
72) Anthracene	11.480	178	248511	10.457	ng		99
73) Carbazole	11.639	167	215269	10.652	ng		98
74) Di-n-butylphthalate	11.963	149	258464	10.580	ng		99
75) Fluoranthene	12.622	202	250112	10.359	ng		99
77) Benzidine	12.745	184	104876	11.958	ng		99
78) Pyrene	12.851	202	258743	10.823	ng		99
80) Butylbenzylphthalate	13.469	149	87462	10.556	ng		96
81) Benzo(a)anthracene	14.045	228	198590	9.664	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	67166	9.535	ng		97
83) Chrysene	14.080	228	184604	9.731	ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	109593	9.662	ng		98
85) Di-n-octyl phthalate	14.645	149	172428	8.811	ng		99
87) Indeno(1,2,3-cd)pyrene	17.039	276	219736	9.831	ng		99
88) Benzo(b)fluoranthene	15.104	252	176369	9.963	ng		99
89) Benzo(k)fluoranthene	15.133	252	170386	10.283	ng		98
90) Benzo(a)pyrene	15.474	252	163529	10.013	ng		97
91) Dibenzo(a,h)anthracene	17.051	278	179793	10.016	ng		98
92) Benzo(g,h,i)perylene	17.492	276	175090	9.877	ng		100

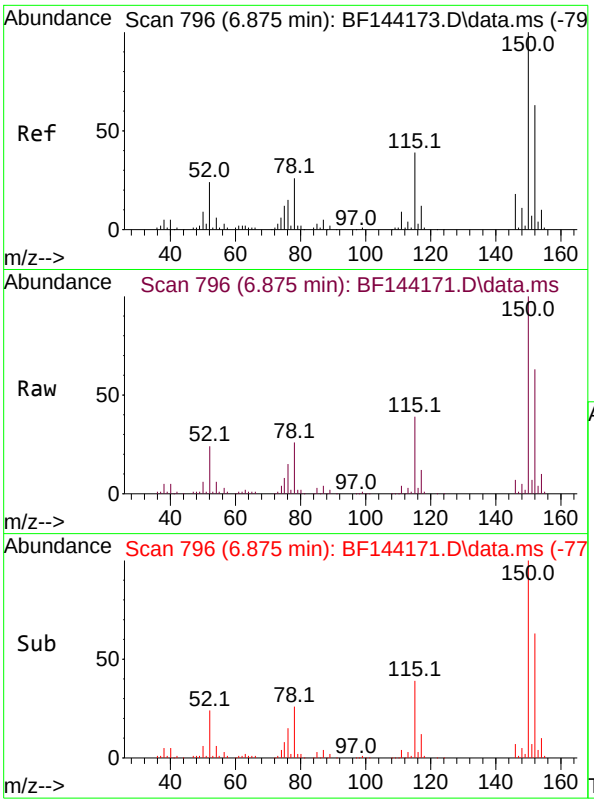
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144171.D
Acq On : 05 Nov 2025 13:50
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 17:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



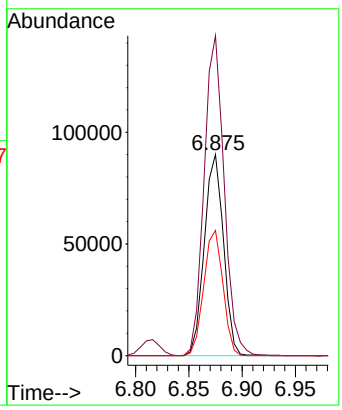


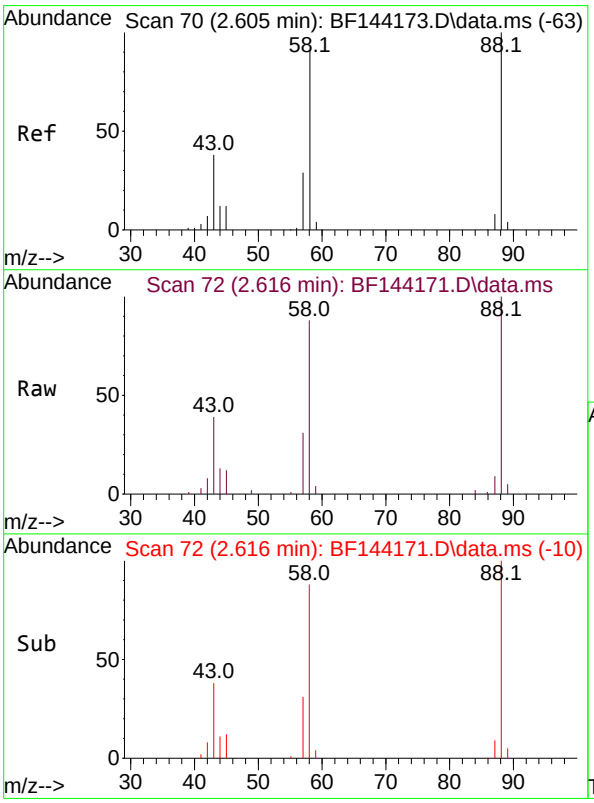
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 112609

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.4	191.0
115	62.3	49.5	74.3

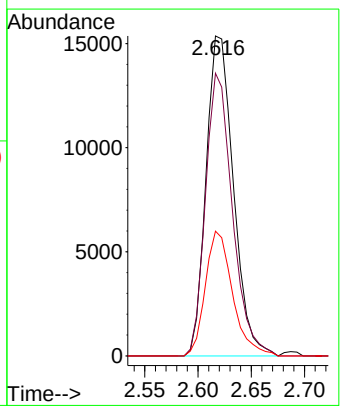


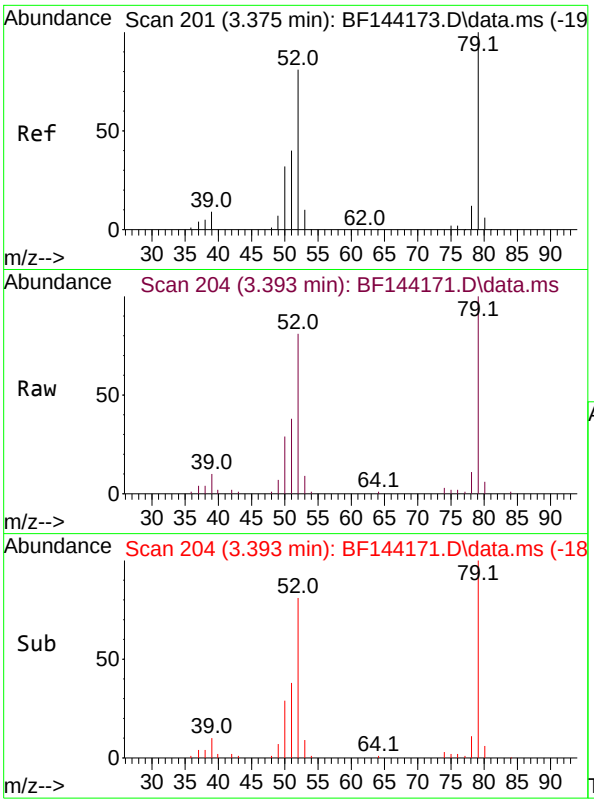


#2
1,4-Dioxane
Concen: 9.214 ng
RT: 2.616 min Scan# 72
Delta R.T. 0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 88 Resp: 27411

Ion	Ratio	Lower	Upper
88	100		
58	87.1	73.1	109.7
43	38.9	31.0	46.6



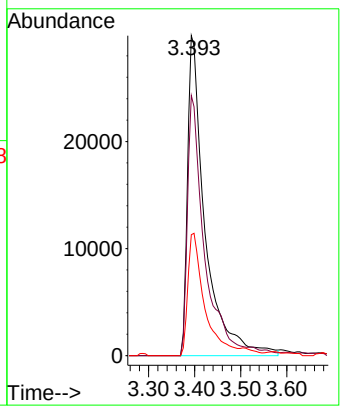


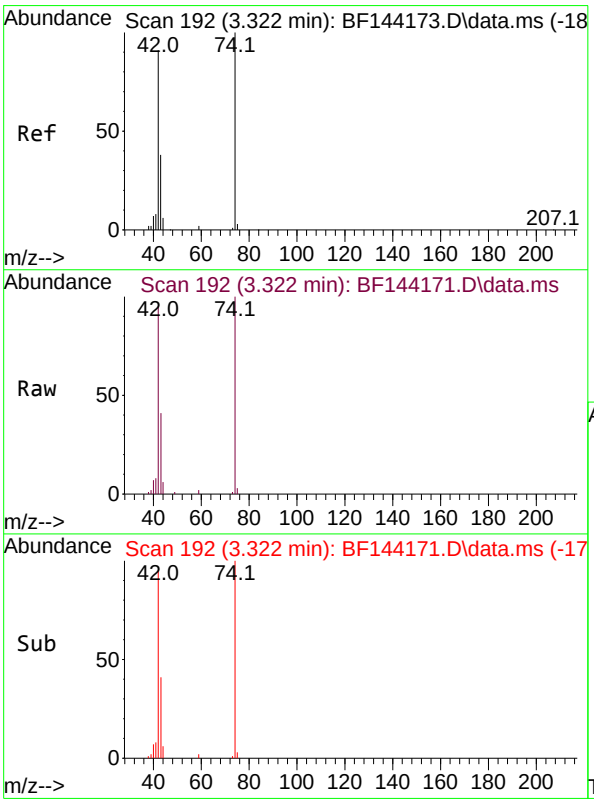
#3
Pyridine
Concen: 9.536 ng
RT: 3.393 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 79148

Ion	Ratio	Lower	Upper
79	100		
52	81.3	64.5	96.7
51	37.8	31.7	47.5

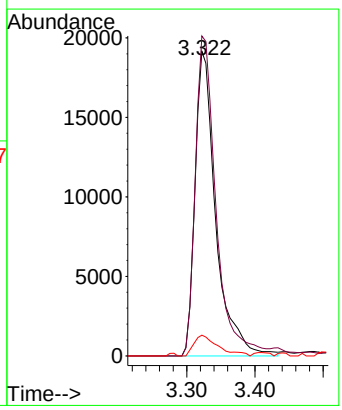


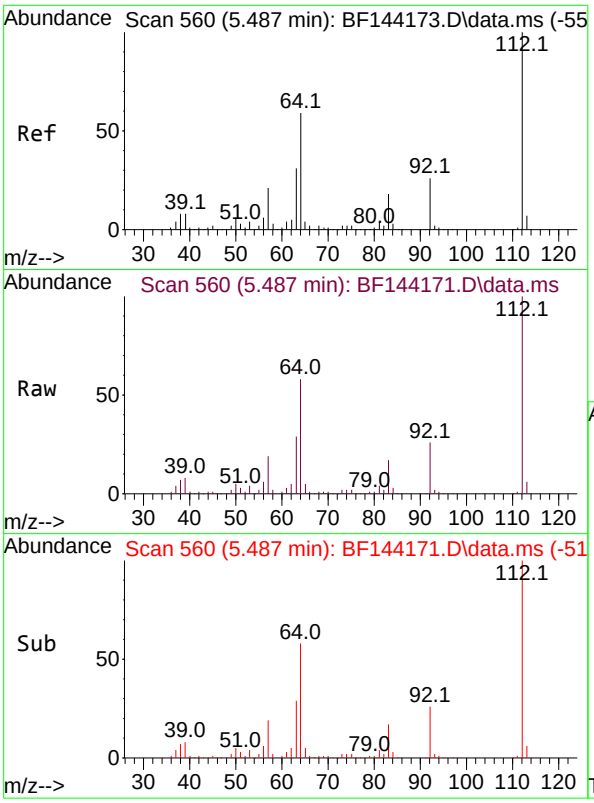


#4
n-Nitrosodimethylamine
Concen: 9.331 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 42 Resp: 40456

Ion	Ratio	Lower	Upper
42	100		
74	105.1	88.2	132.4
44	6.8	5.7	8.5



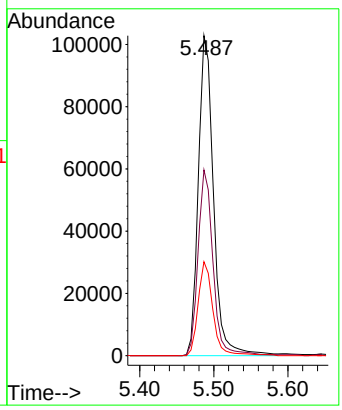


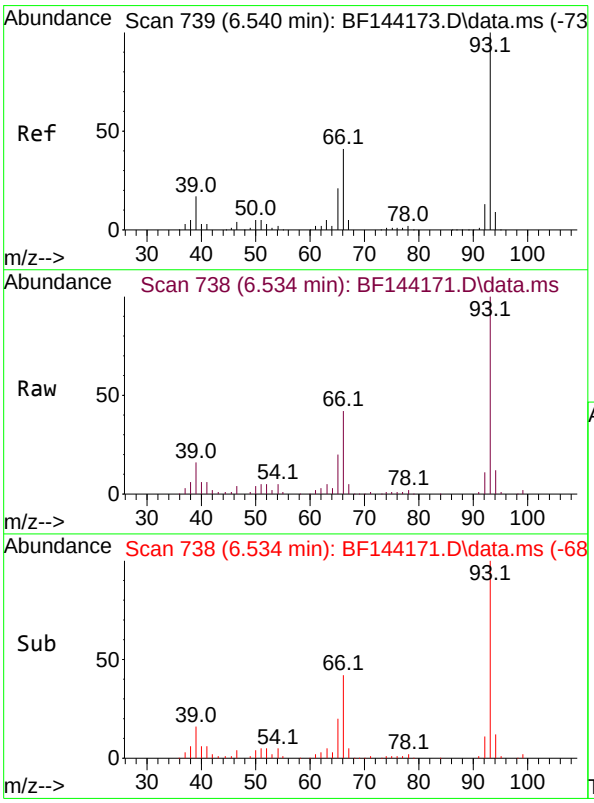
#5
2-Fluorophenol
Concen: 20.391 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 146731

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.2	70.8
63	29.3	24.4	36.6

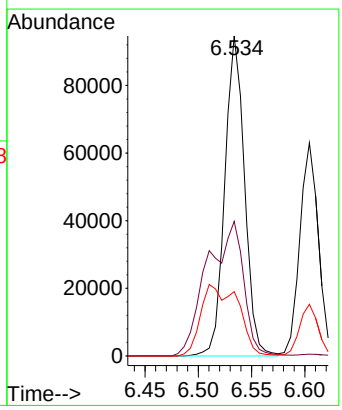


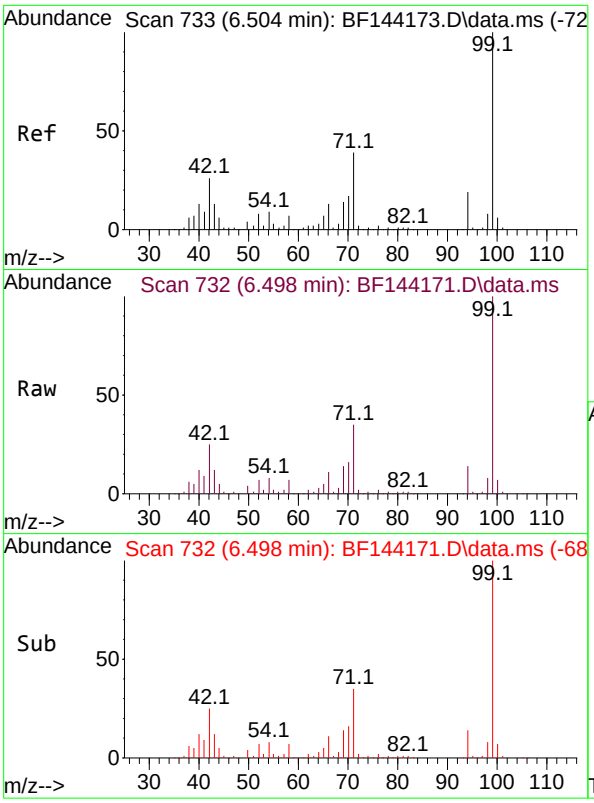


#6
Aniline
Concen: 10.512 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 93 Resp: 122118

Ion	Ratio	Lower	Upper
93	100		
66	42.0	34.3	51.5
65	20.1	16.9	25.3



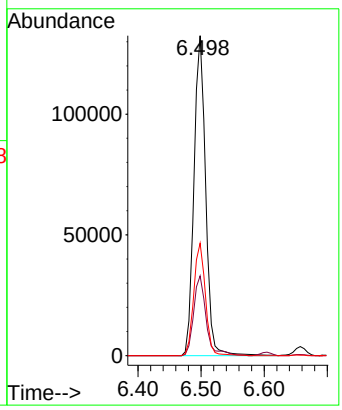


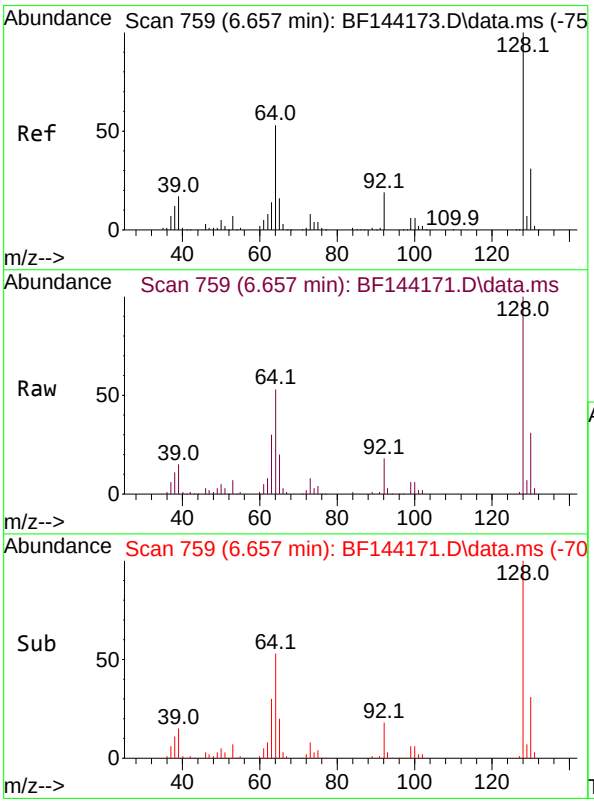
#7
Phenol-d6
Concen: 20.963 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 170929

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.9	31.3
71	35.1	31.4	47.2

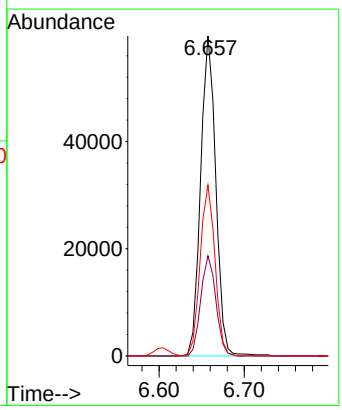


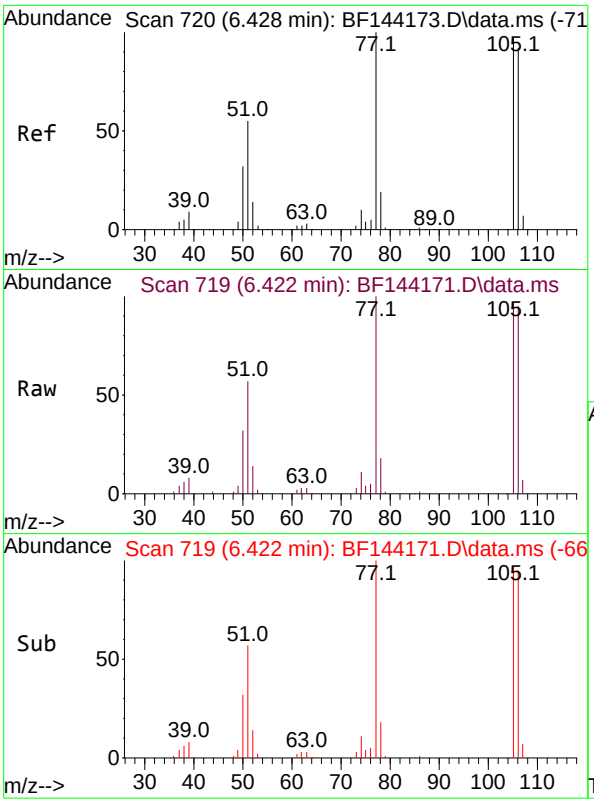


#8
2-Chlorophenol
Concen: 10.448 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:128 Resp: 73729

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.5	50.5
64	53.3	33.2	73.2



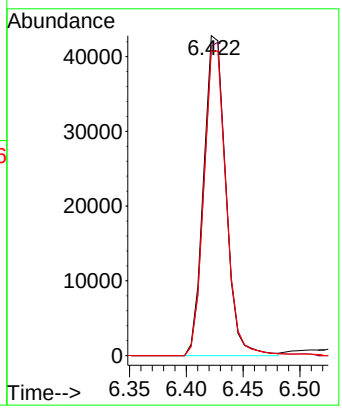


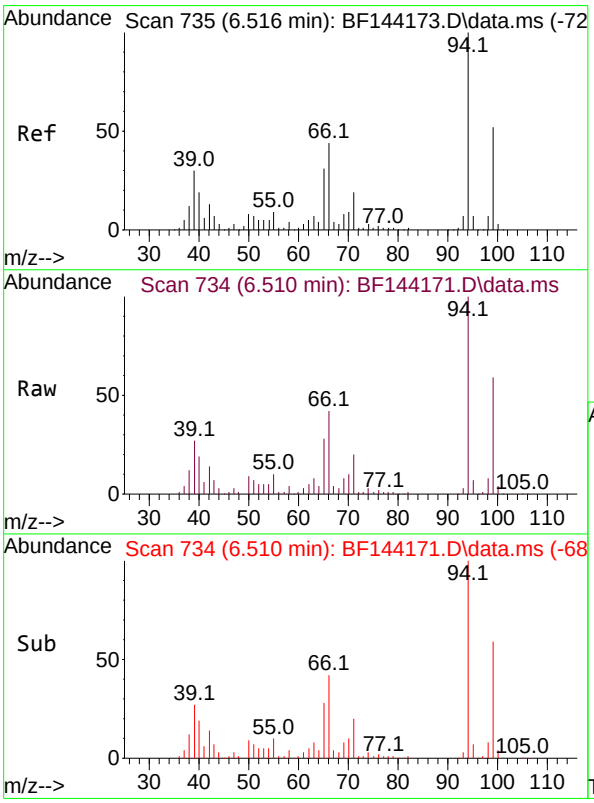
#9
Benzaldehyde
Concen: 12.629 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 58146

Ion	Ratio	Lower	Upper
77	100		
105	96.7	77.2	117.2
106	95.1	72.2	112.2

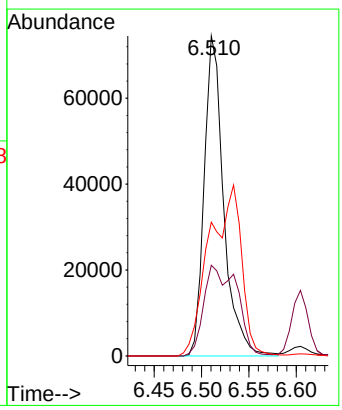


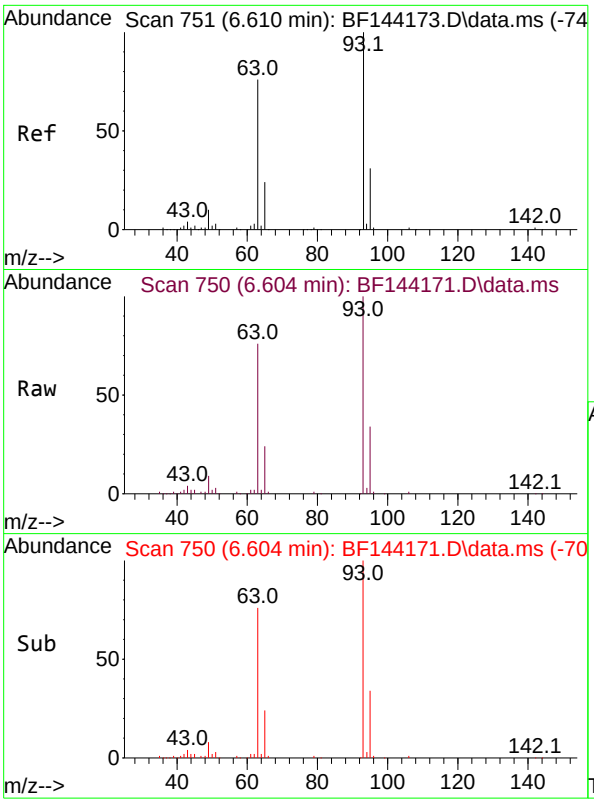


#10
Phenol
Concen: 10.717 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.018 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 94 Resp: 106765

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.8	50.8
66	41.8	24.3	64.3



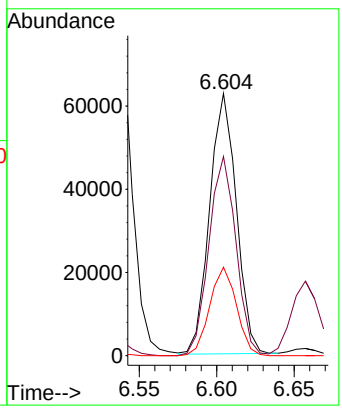


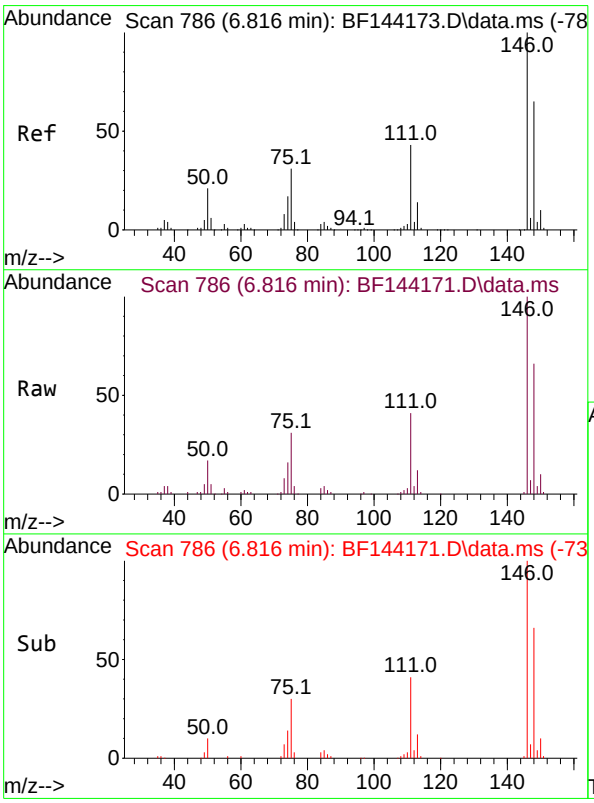
#11
bis(2-Chloroethyl)ether
Concen: 10.342 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 75075

Ion	Ratio	Lower	Upper
93	100		
63	75.9	55.2	95.2
95	33.7	11.2	51.2

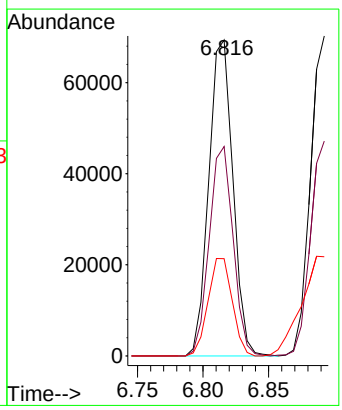


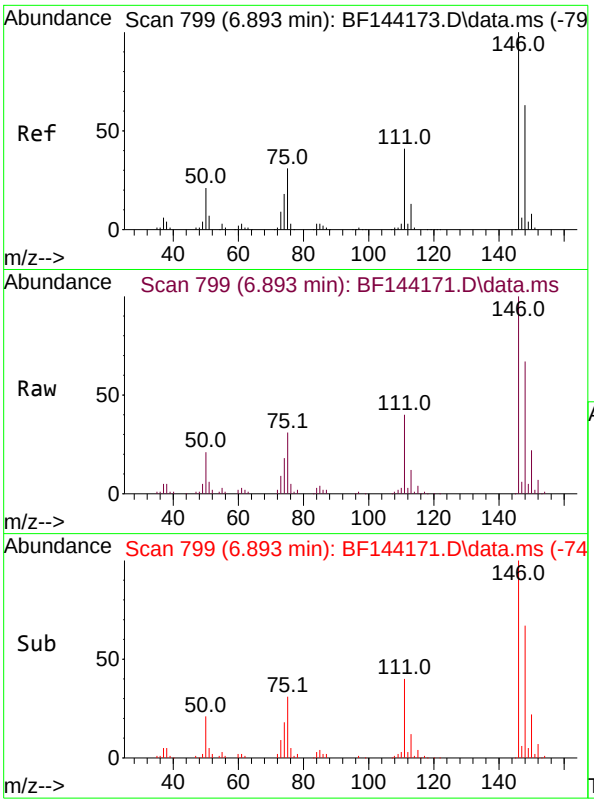


#12
1,3-Dichlorobenzene
Concen: 10.174 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:146 Resp: 88594

Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.8	77.8
75	30.8	25.0	37.4



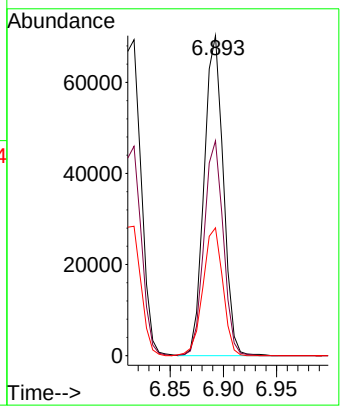


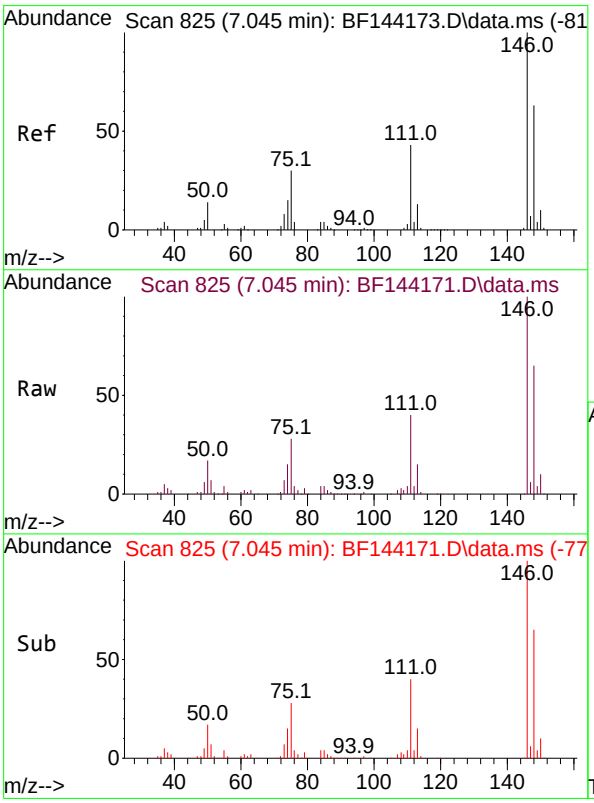
#13
1,4-Dichlorobenzene
Concen: 10.085 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 87984

Ion	Ratio	Lower	Upper
146	100		
148	67.1	50.2	75.2
111	39.9	32.6	48.8

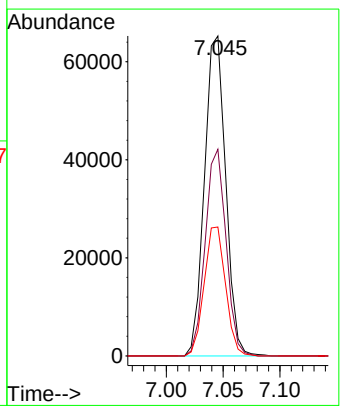


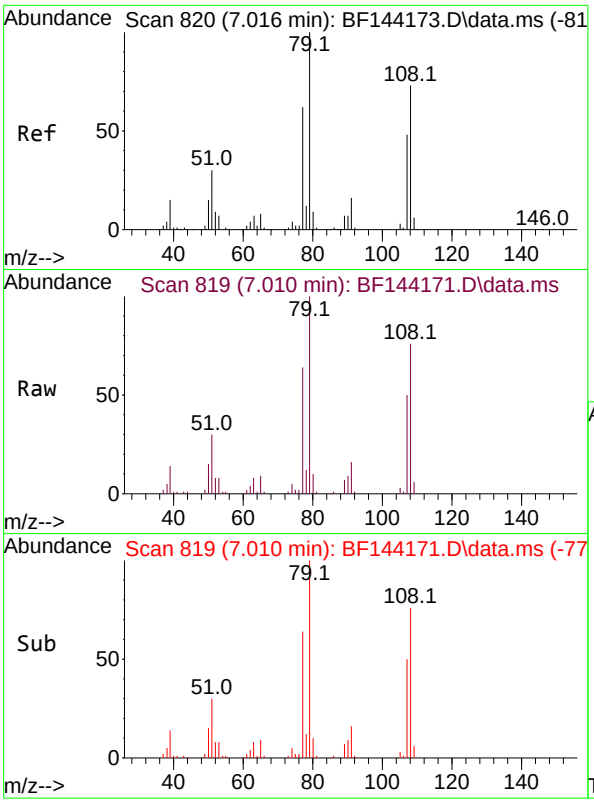


#14
1,2-Dichlorobenzene
Concen: 10.165 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:146 Resp: 84997

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	40.3	34.2	51.4



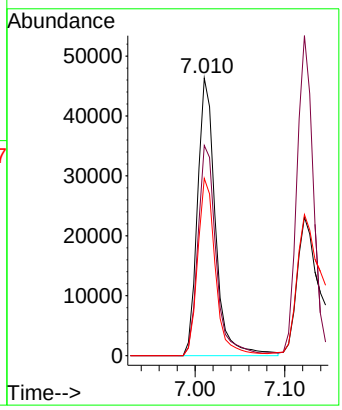


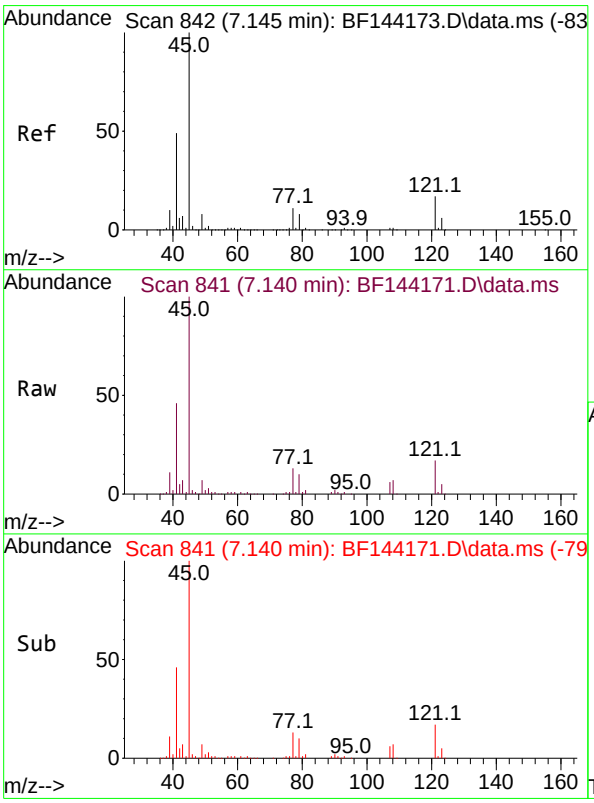
#15
Benzyl Alcohol
Concen: 9.937 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 64160

Ion	Ratio	Lower	Upper
79	100		
108	75.8	58.2	87.4
77	63.8	49.9	74.9

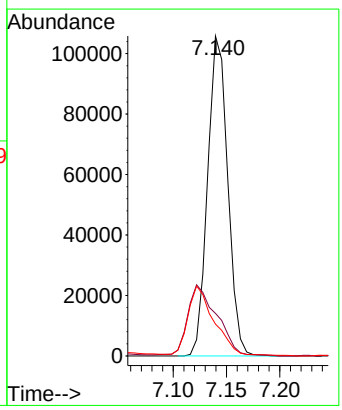


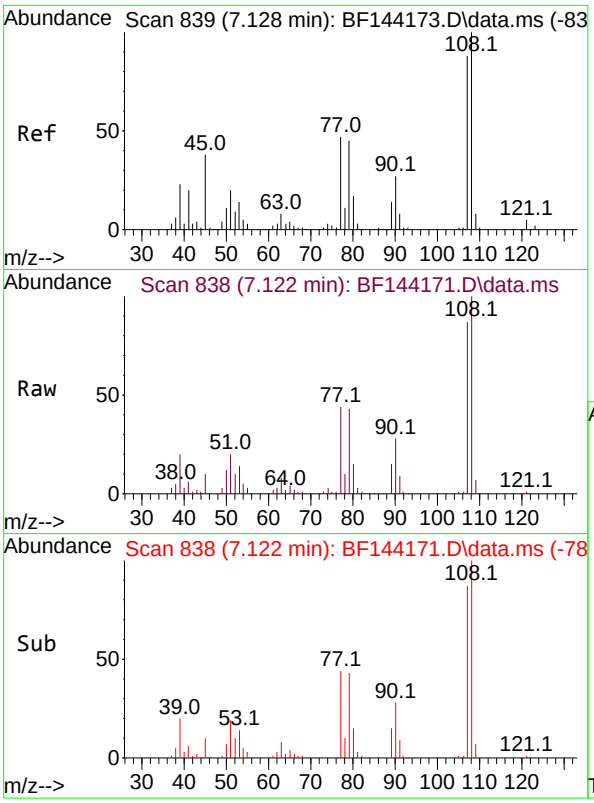


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.403 ng
RT: 7.140 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 45 Resp: 139062

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	31.8
79	9.9	0.0	29.1



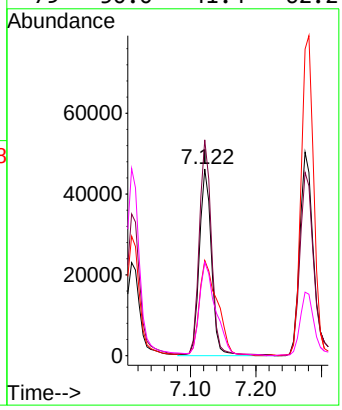


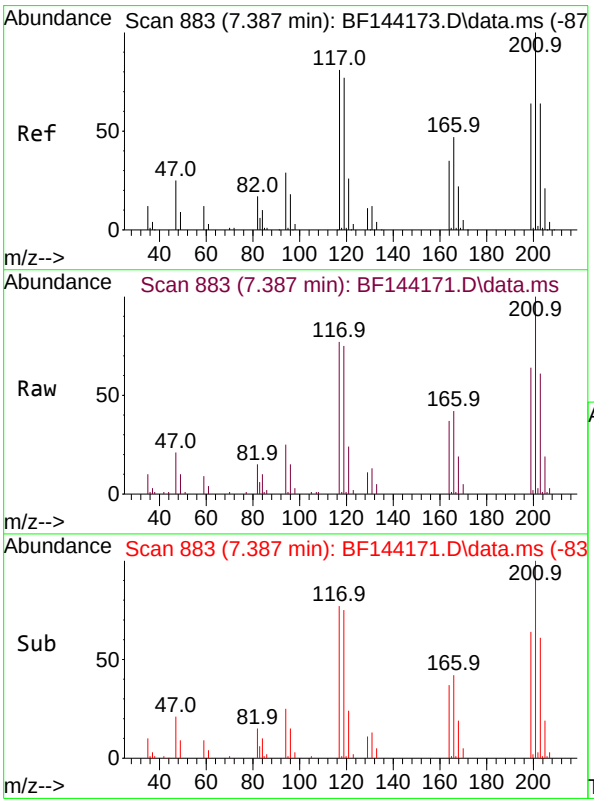
#17
2-Methylphenol
Concen: 10.575 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 59368

Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.0	136.4
77	51.0	42.7	64.1
79	50.0	41.4	62.2

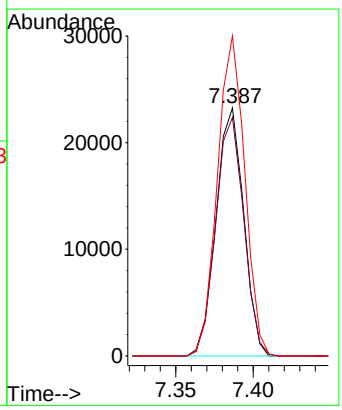


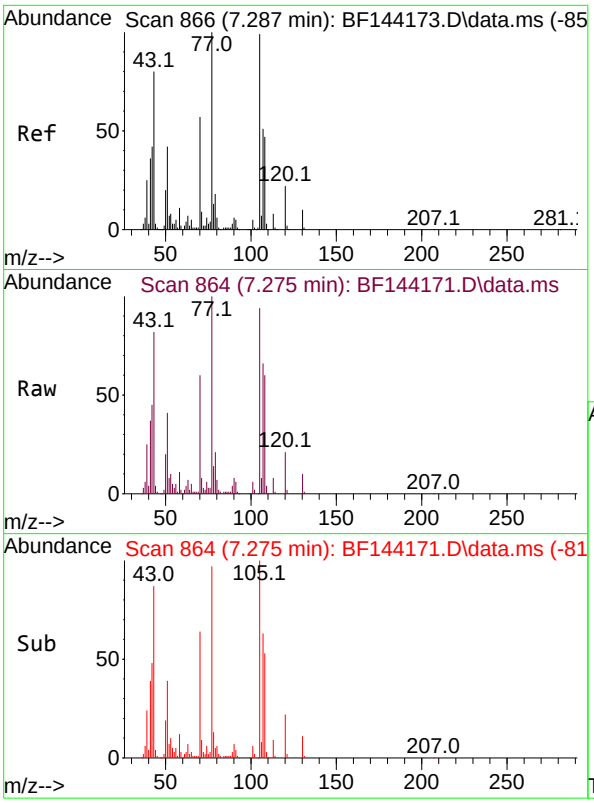


#18
Hexachloroethane
Concen: 9.963 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:117 Resp: 28876

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
201	129.1	98.9	148.3



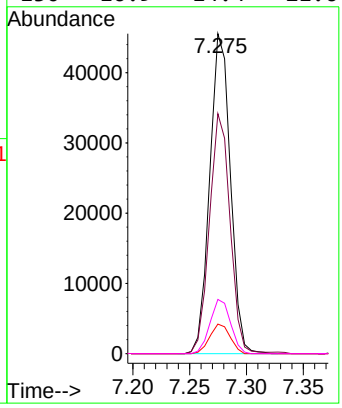


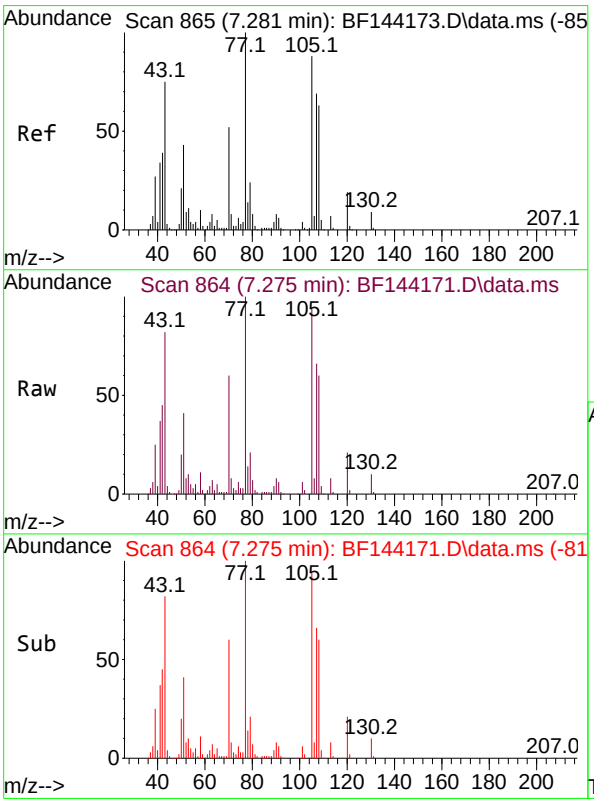
#19
n-Nitroso-di-n-propylamine
Concen: 10.735 ng
RT: 7.275 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 57621

Ion	Ratio	Lower	Upper
70	100		
42	75.0	58.3	87.5
101	9.2	7.0	10.6
130	16.9	14.4	21.6

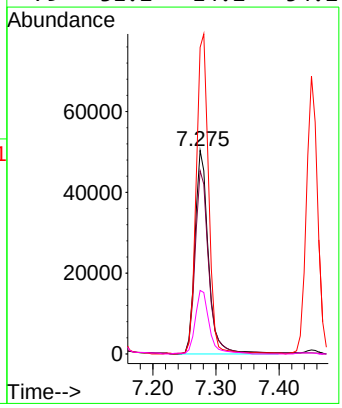


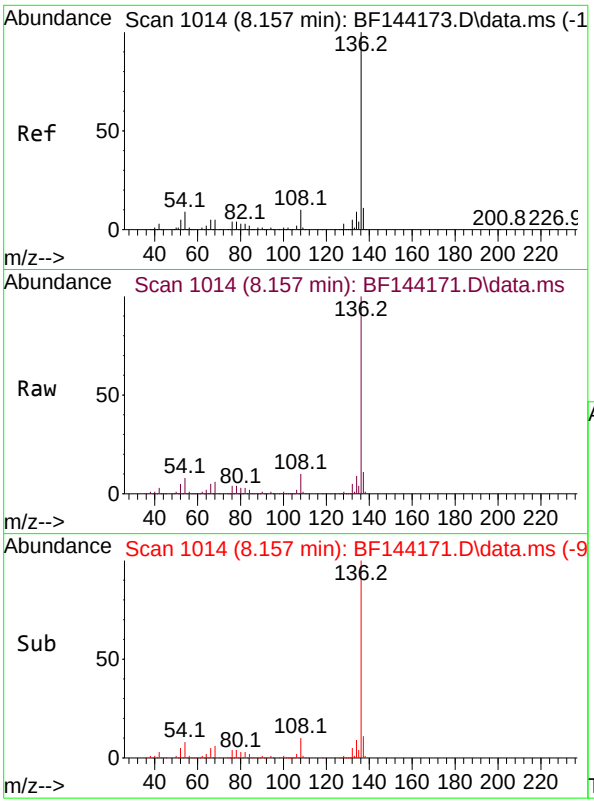


#20
3+4-Methylphenols
Concen: 11.314 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:107 Resp: 74874

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.2	110.2
77	150.7	123.9	163.9
79	31.2	14.2	54.2



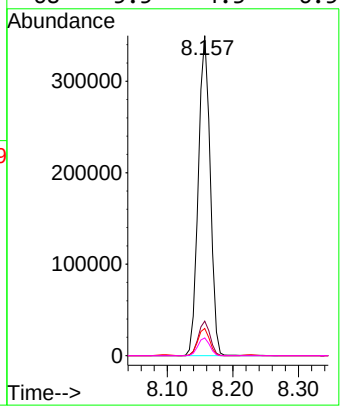


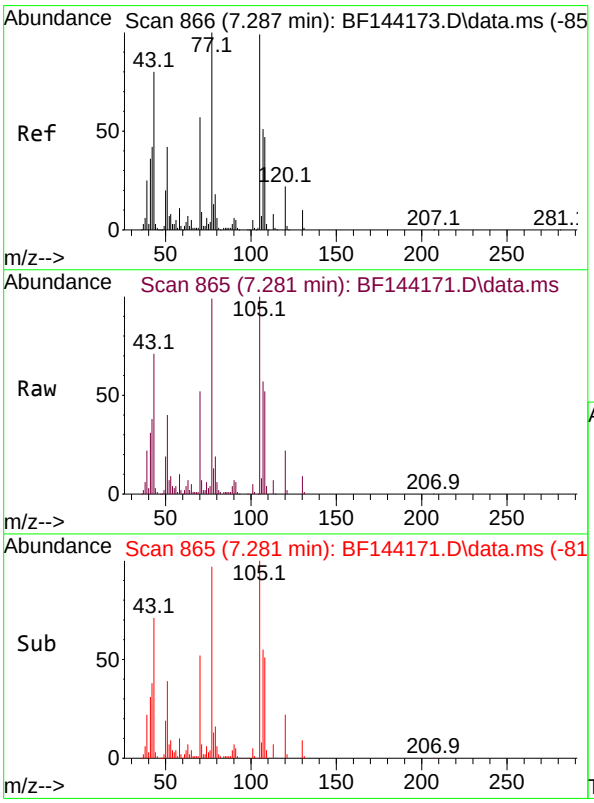
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 438512

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	7.0	10.6
68	5.5	4.3	6.5

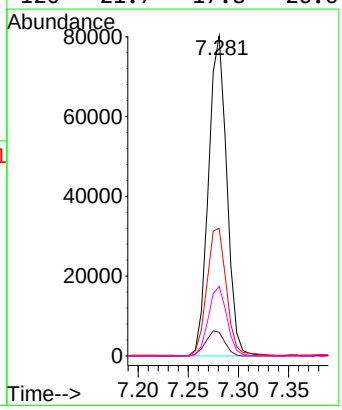


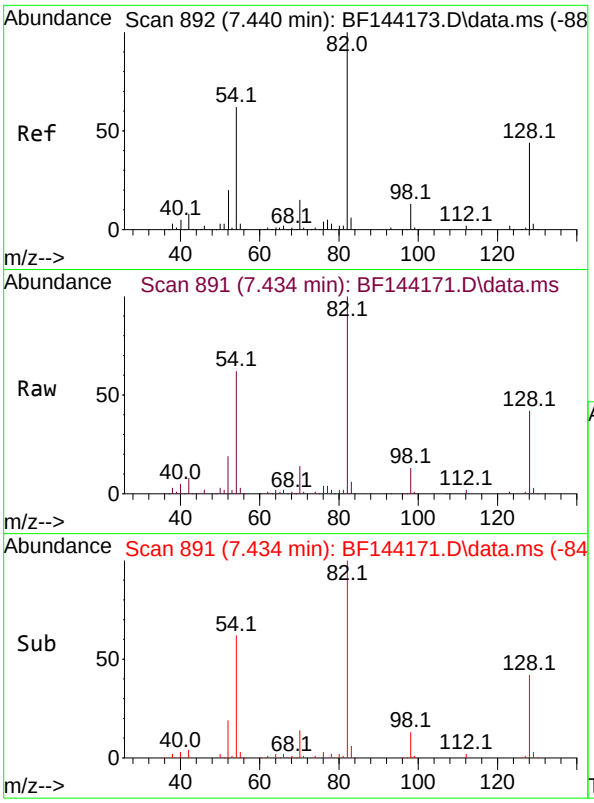


#22
Acetophenone
Concen: 10.819 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:105 Resp: 101777

Ion	Ratio	Lower	Upper
105	100		
71	7.4	7.2	10.8
51	39.9	34.0	51.0
120	21.7	17.8	26.6



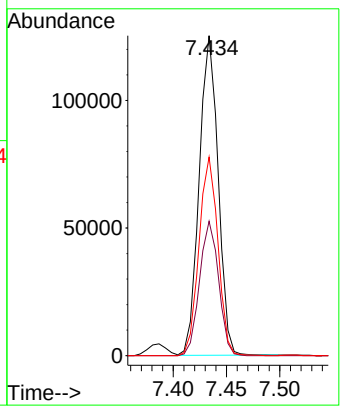


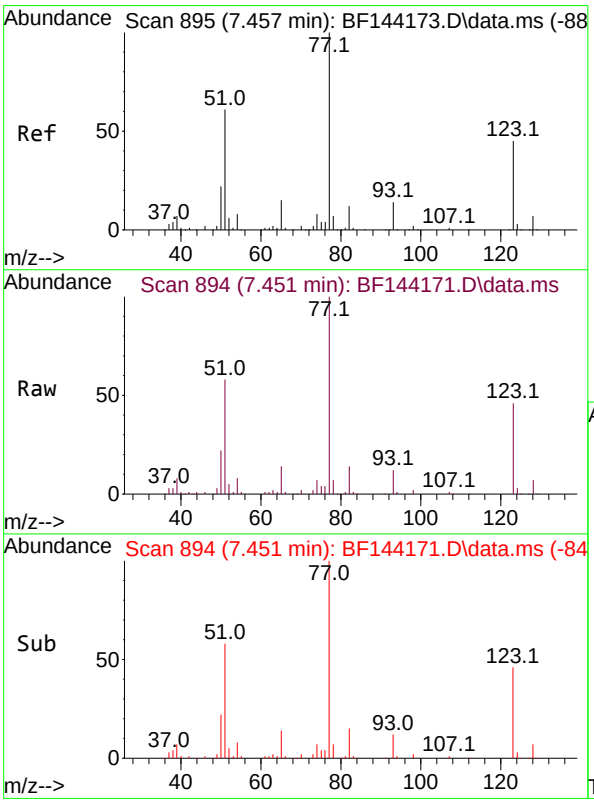
#23
Nitrobenzene-d5
Concen: 20.347 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 154488

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.7	52.1
54	62.0	49.5	74.3

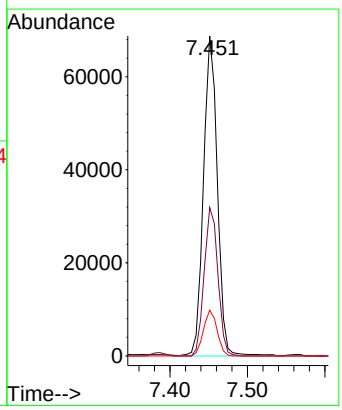


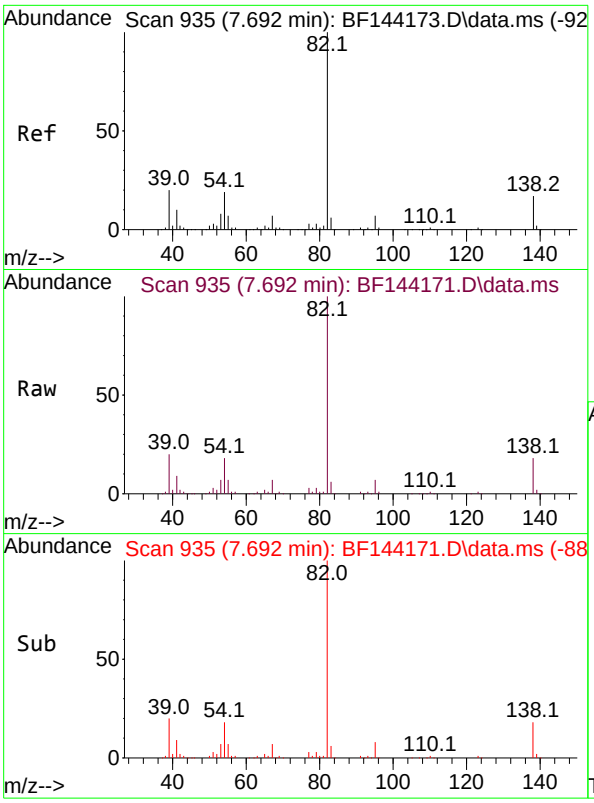


#24
Nitrobenzene
Concen: 10.380 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 77 Resp: 85567

Ion	Ratio	Lower	Upper
77	100		
123	46.4	35.8	53.8
65	14.3	12.2	18.2



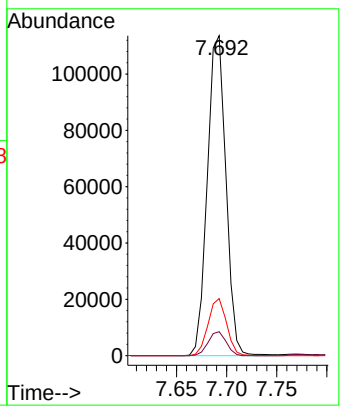


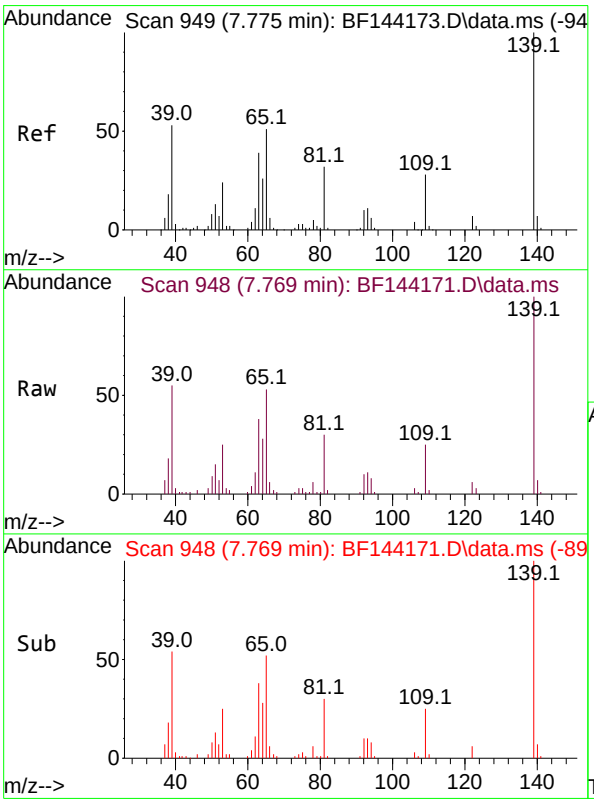
#25
Isophorone
Concen: 10.204 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 146541

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.5	8.3
138	17.9	13.7	20.5

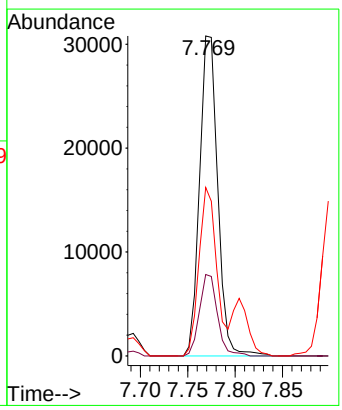


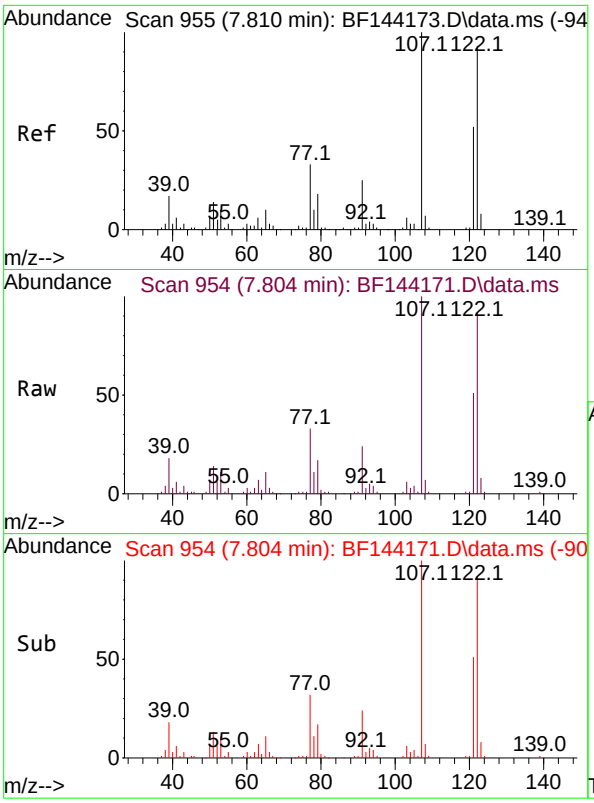


#26
2-Nitrophenol
Concen: 10.067 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:139 Resp: 41083

Ion	Ratio	Lower	Upper
139	100		
109	25.4	22.2	33.2
65	52.6	40.7	61.1



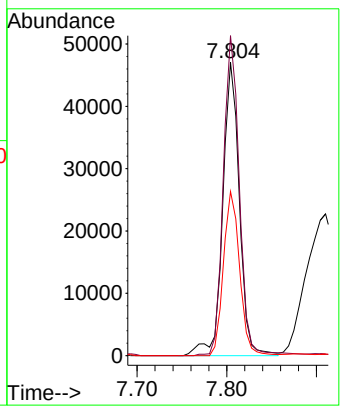


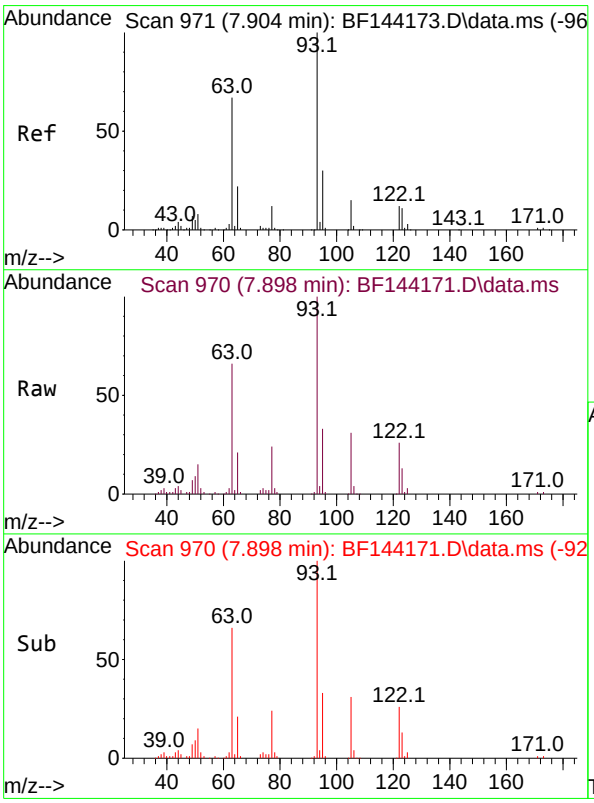
#27
2,4-Dimethylphenol
Concen: 9.956 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 60896

Ion	Ratio	Lower	Upper
122	100		
107	109.2	86.2	129.4
121	56.0	44.6	66.8

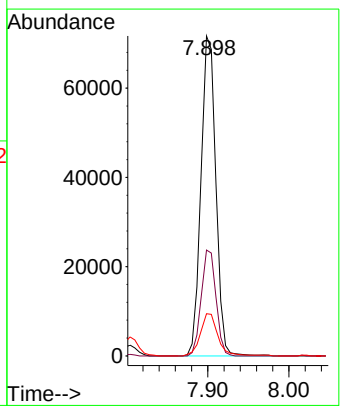


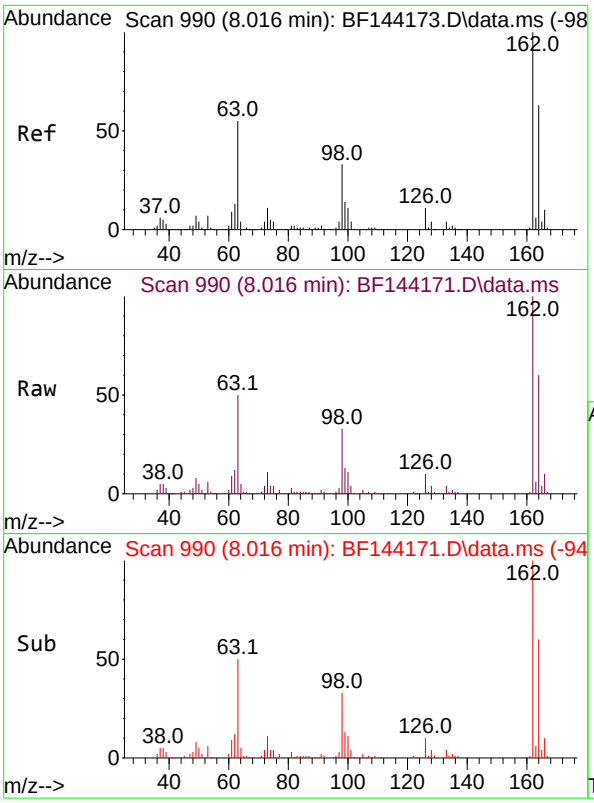


#28
bis(2-Chloroethoxy)methane
Concen: 10.202 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 93 Resp: 91497

Ion	Ratio	Lower	Upper
93	100		
95	33.1	24.2	36.4
123	13.2	9.0	13.4



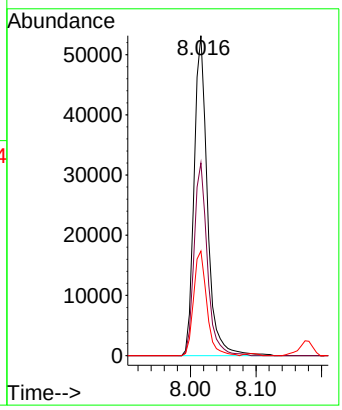


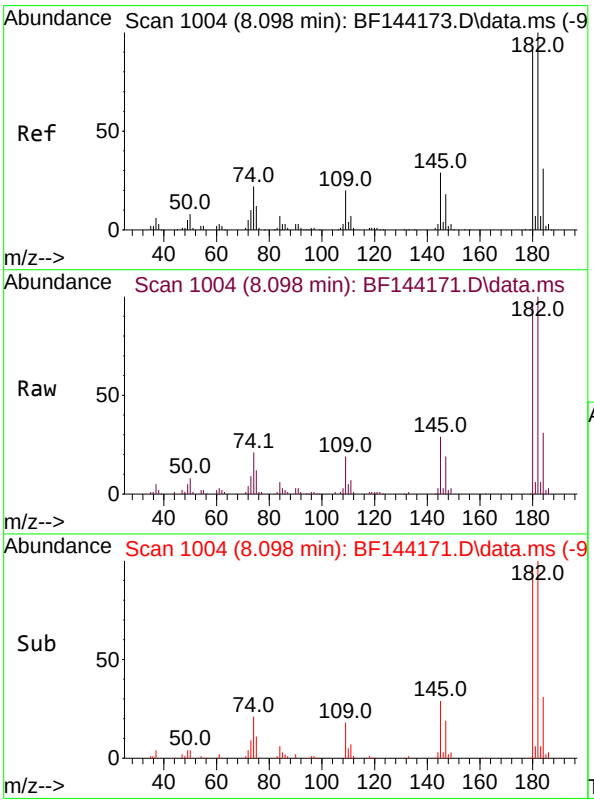
#29
2,4-Dichlorophenol
Concen: 10.643 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 75032

Ion	Ratio	Lower	Upper
162	100		
164	60.2	42.9	82.9
98	32.7	13.3	53.3

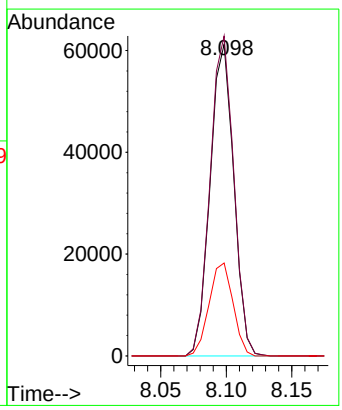


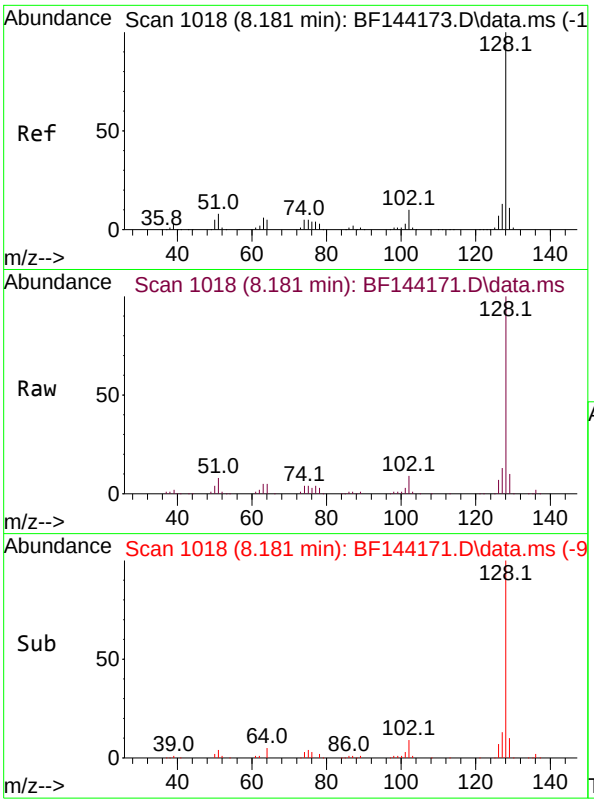


#30
1,2,4-Trichlorobenzene
Concen: 10.585 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:180 Resp: 76623

Ion	Ratio	Lower	Upper
180	100		
182	102.7	87.7	131.5
145	29.8	25.4	38.0



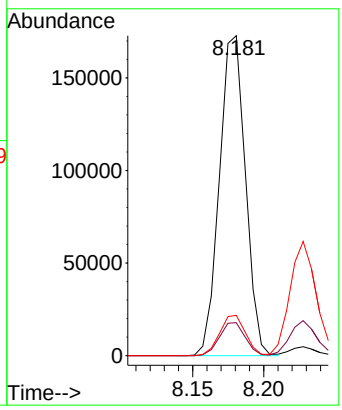


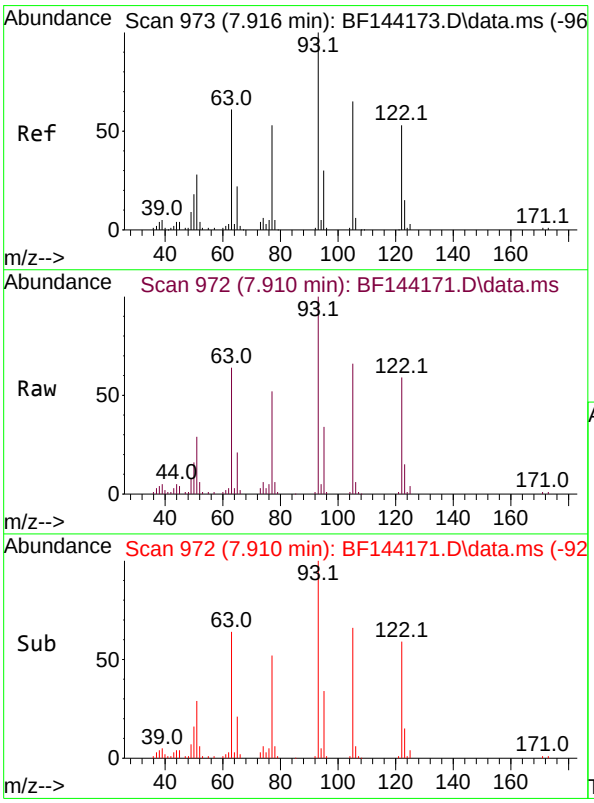
#31
Naphthalene
Concen: 10.590 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 220903

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	12.6	10.3	15.5

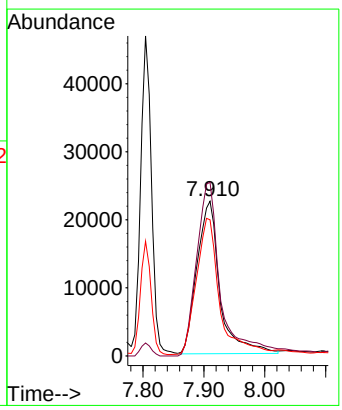


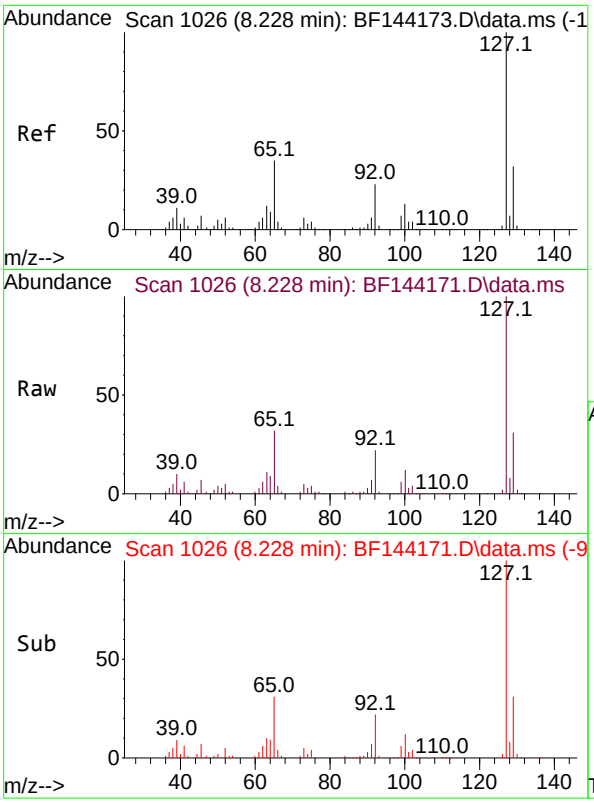


#32
Benzoic acid
Concen: 13.120 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.041 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:122 Resp: 58822

Ion	Ratio	Lower	Upper
122	100		
105	112.1	99.9	139.9
77	88.0	77.5	117.5



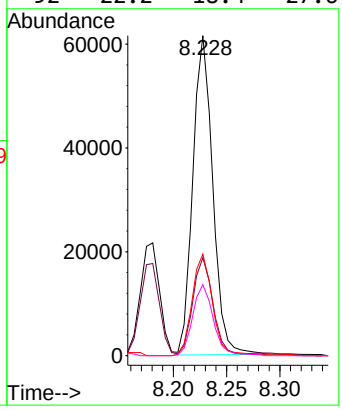


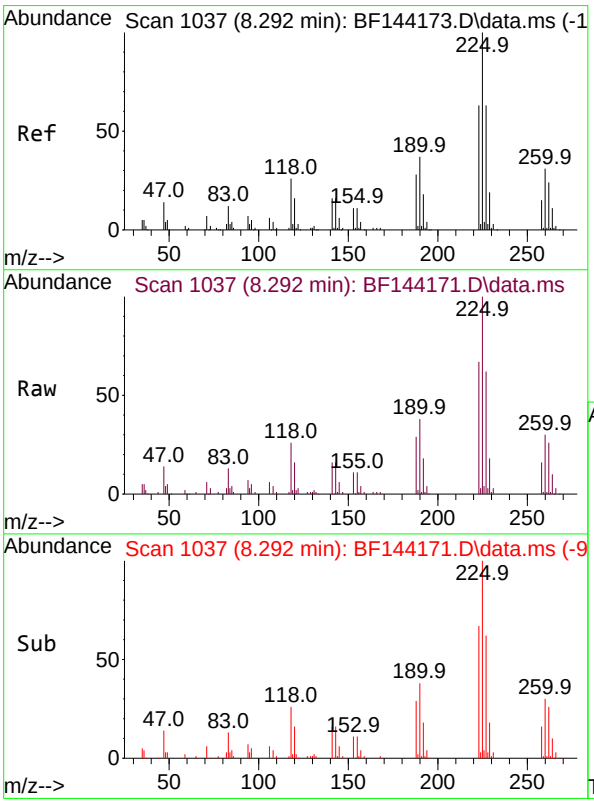
#33
4-Chloroaniline
Concen: 10.476 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 79703

Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.3	37.9
65	31.7	27.6	41.4
92	22.2	18.4	27.6

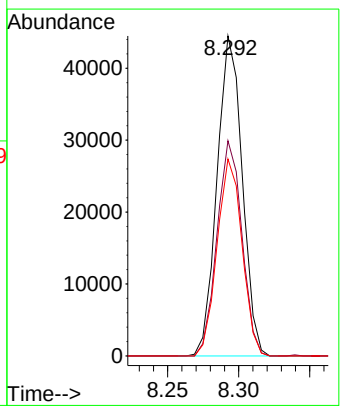


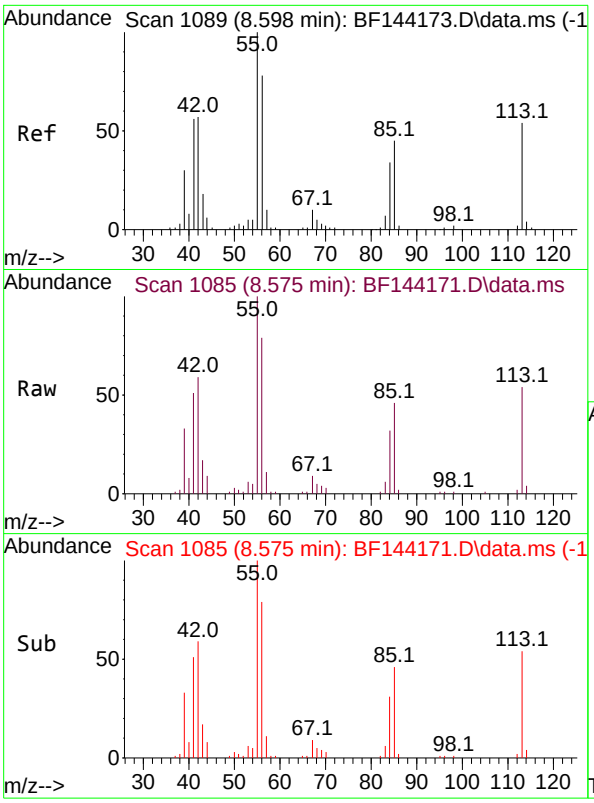


#34
Hexachlorobutadiene
Concen: 10.054 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:225 Resp: 54849

Ion	Ratio	Lower	Upper
225	100		
223	67.2	50.2	75.4
227	61.5	50.1	75.1



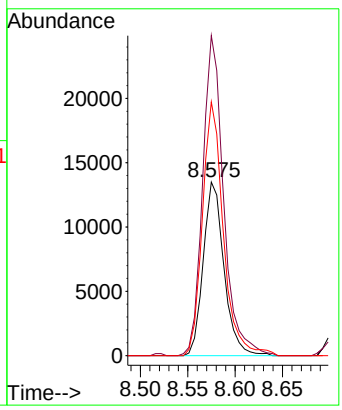


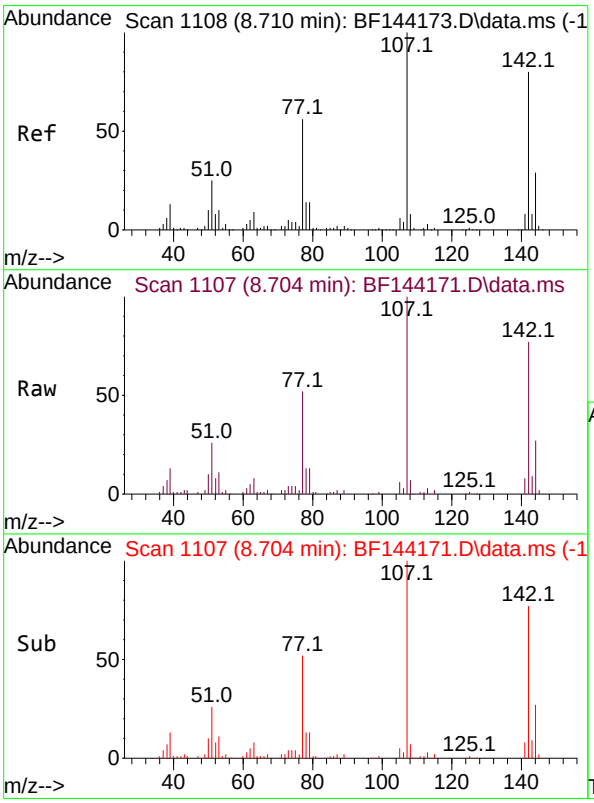
#35
Caprolactam
Concen: 10.645 ng
RT: 8.575 min Scan# 10
Delta R.T. -0.047 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 20560

Ion	Ratio	Lower	Upper
113	100		
55	184.5	166.8	206.8
56	146.2	125.9	165.9

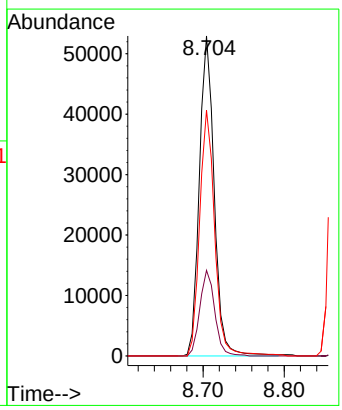


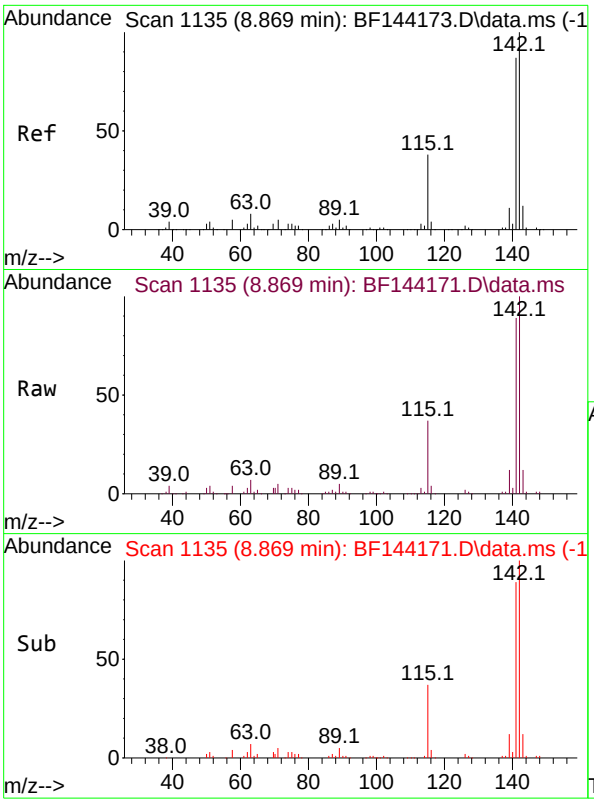


#36
4-Chloro-3-methylphenol
Concen: 10.641 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:107 Resp: 67228

Ion	Ratio	Lower	Upper
107	100		
144	26.7	23.3	34.9
142	76.8	63.8	95.6



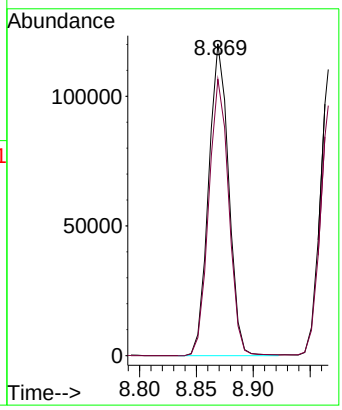


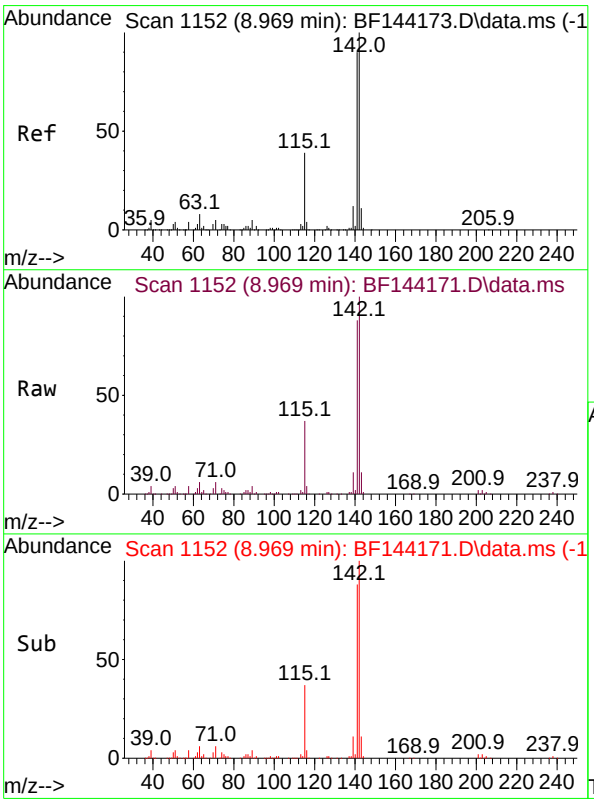
#37
2-Methylnaphthalene
Concen: 10.571 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 147427

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.9	104.9

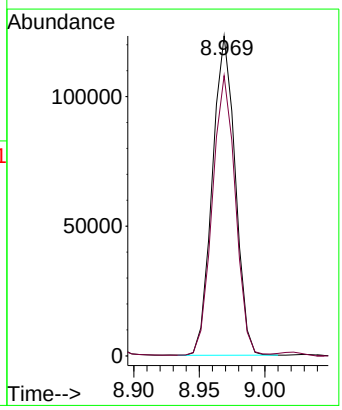


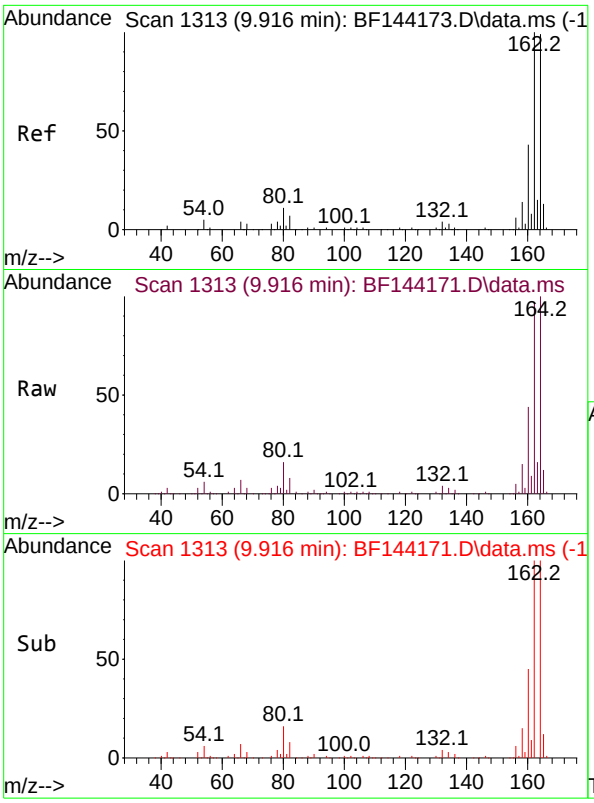


#38
1-Methylnaphthalene
Concen: 11.093 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:142 Resp: 149280

Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.1	108.1



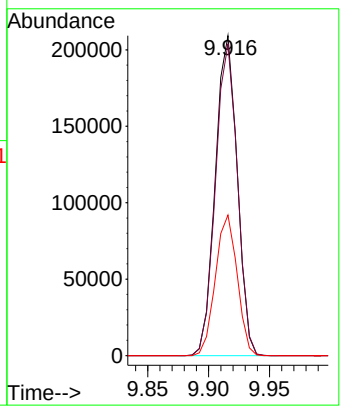


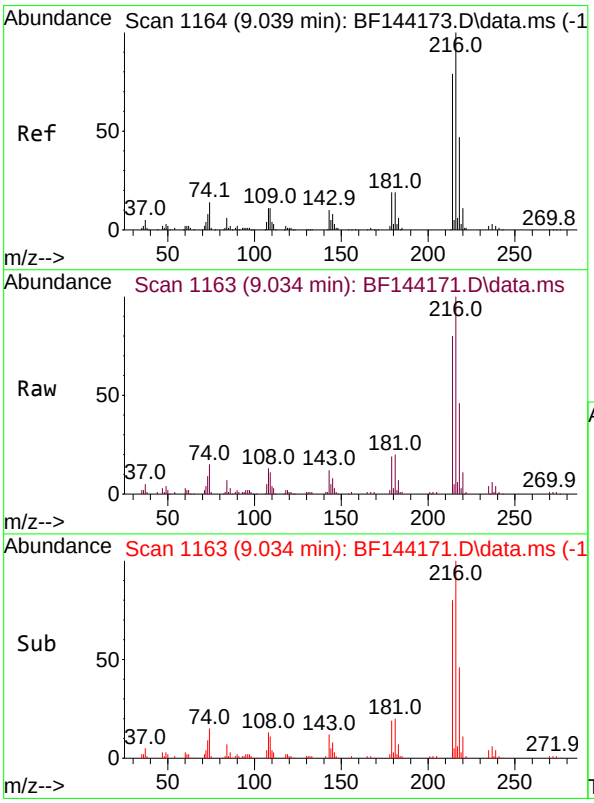
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 261107

Ion	Ratio	Lower	Upper
164	100		
162	97.4	81.1	121.7
160	43.9	34.5	51.7

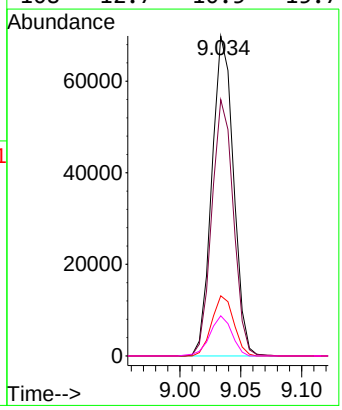


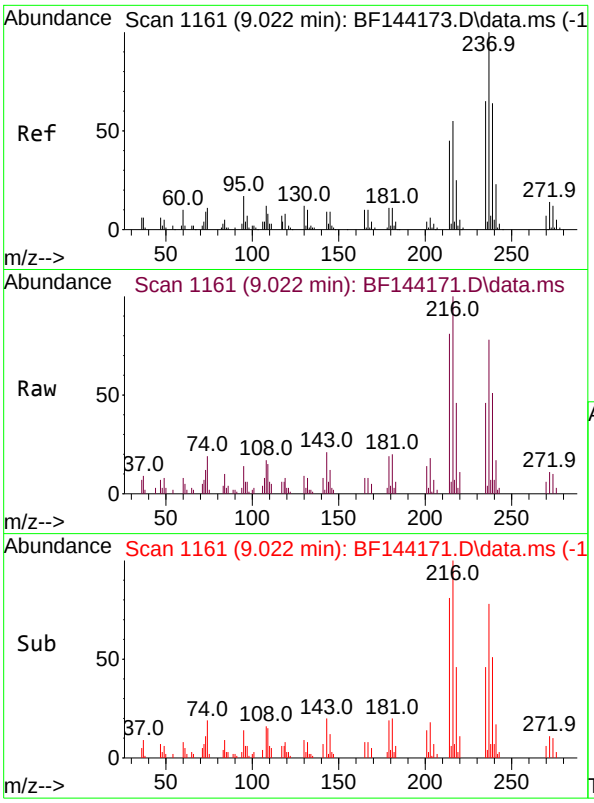


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.098 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:216 Resp: 86408

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.4	95.2
179	19.0	15.0	22.4
108	12.7	10.5	15.7



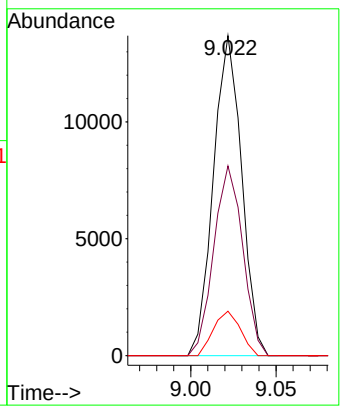


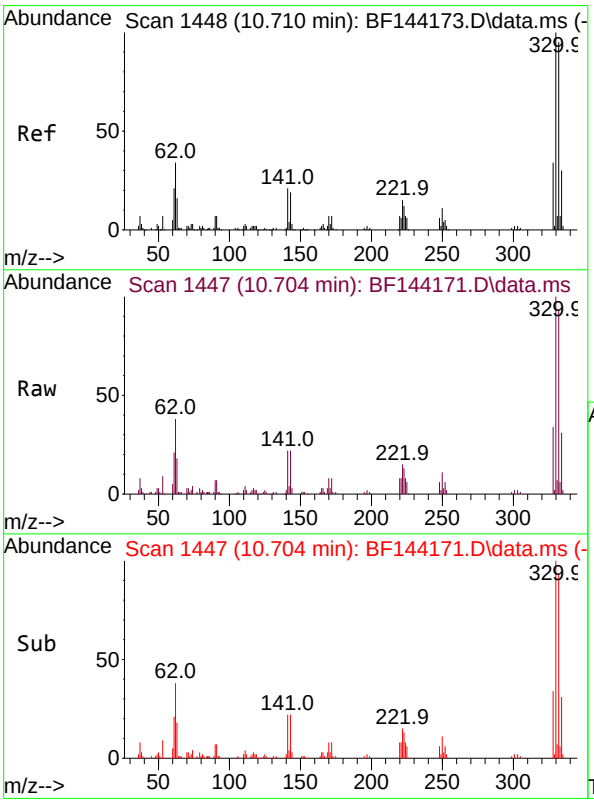
#41
Hexachlorocyclopentadiene
Concen: 10.609 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 15765

Ion	Ratio	Lower	Upper
237	100		
235	59.3	45.5	85.5
272	13.9	0.0	33.5

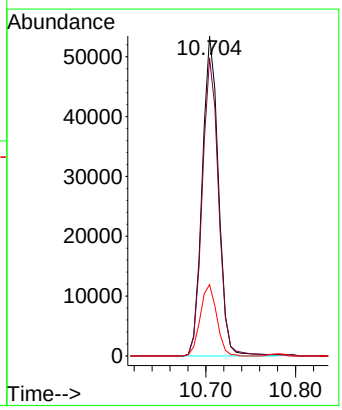


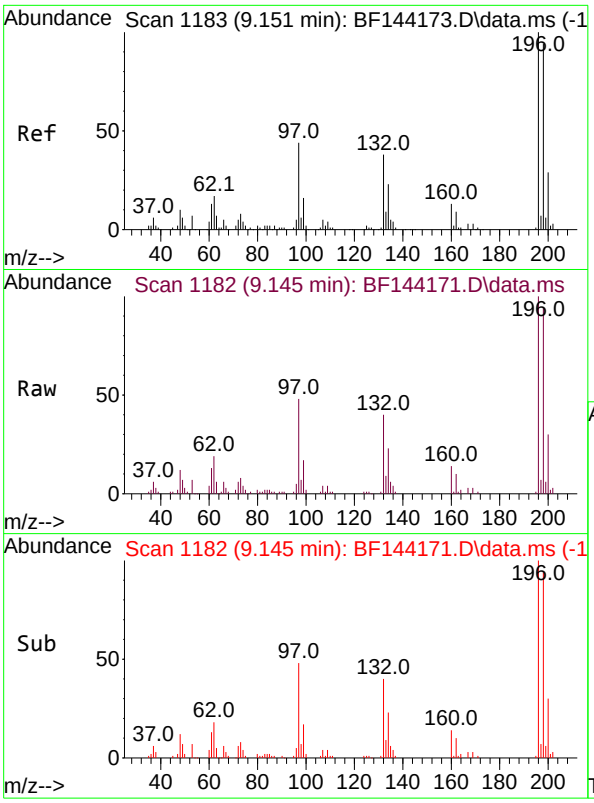


#42
2,4,6-Tribromophenol
Concen: 20.442 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:330 Resp: 66981

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.7	115.1
141	22.6	17.8	26.8



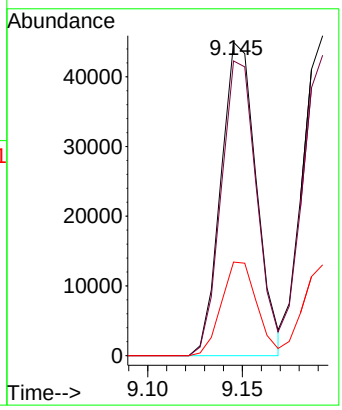


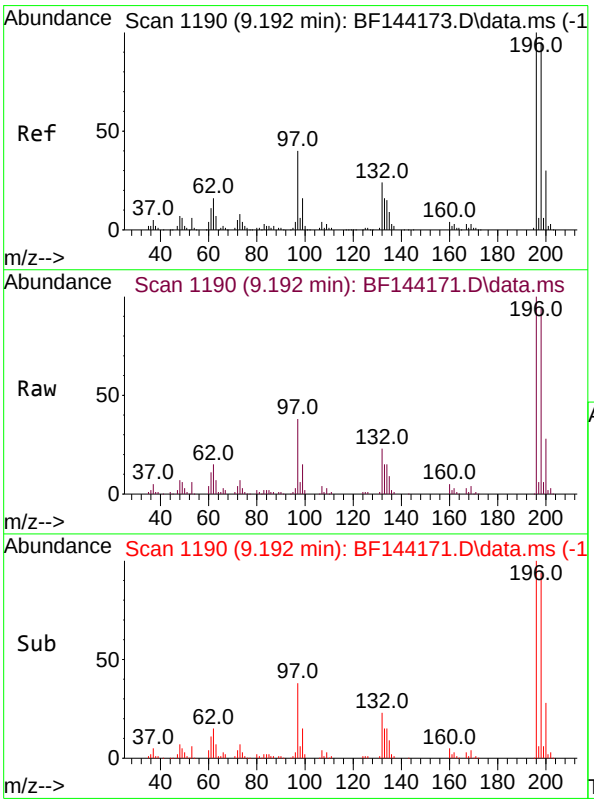
#43
2,4,6-Trichlorophenol
Concen: 10.054 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 58560

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.3	112.9
200	29.8	23.4	35.2

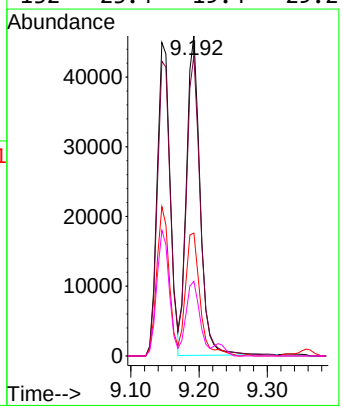


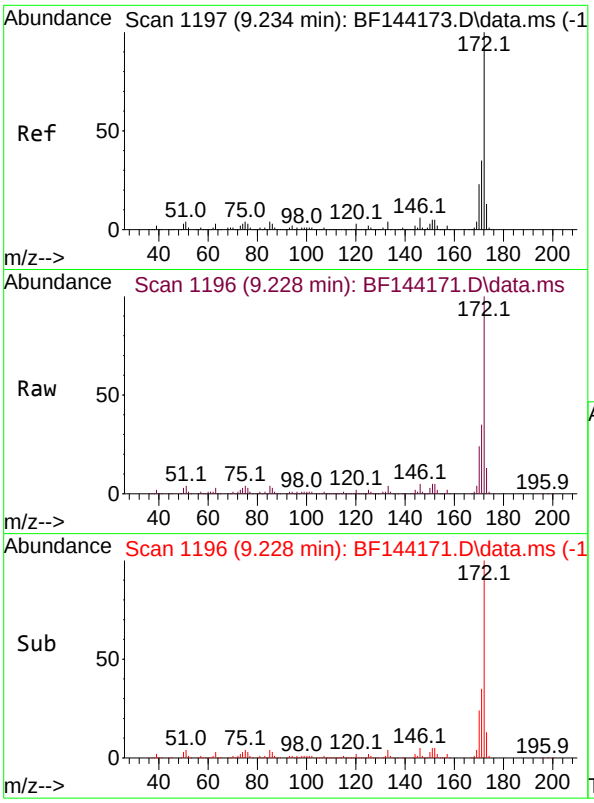


#44
2,4,5-Trichlorophenol
Concen: 10.160 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:196 Resp: 63779

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.1	114.1
97	38.4	31.9	47.9
132	23.4	19.4	29.2



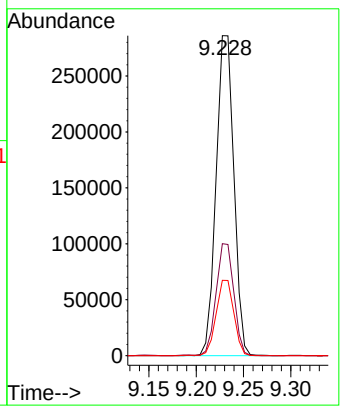


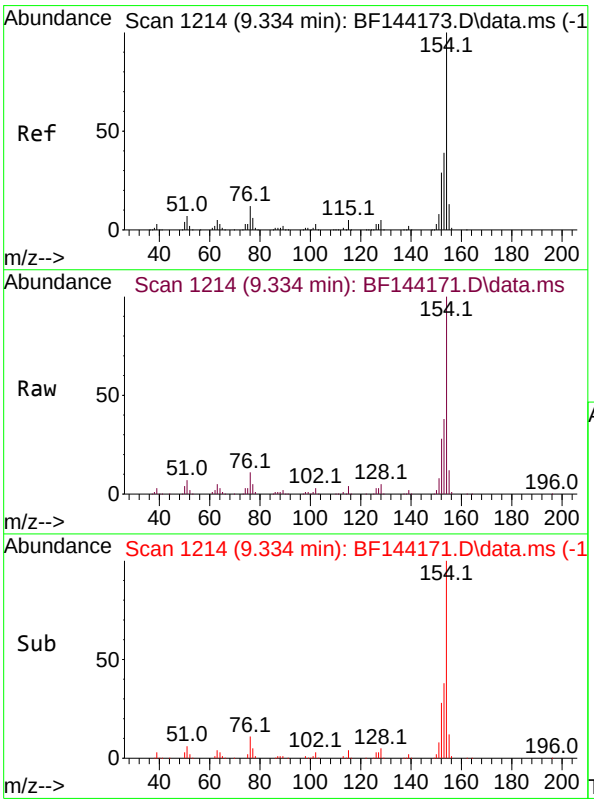
#45
2-Fluorobiphenyl
Concen: 21.090 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 372845

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	23.5	18.6	28.0

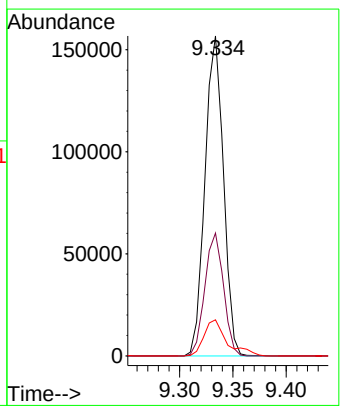


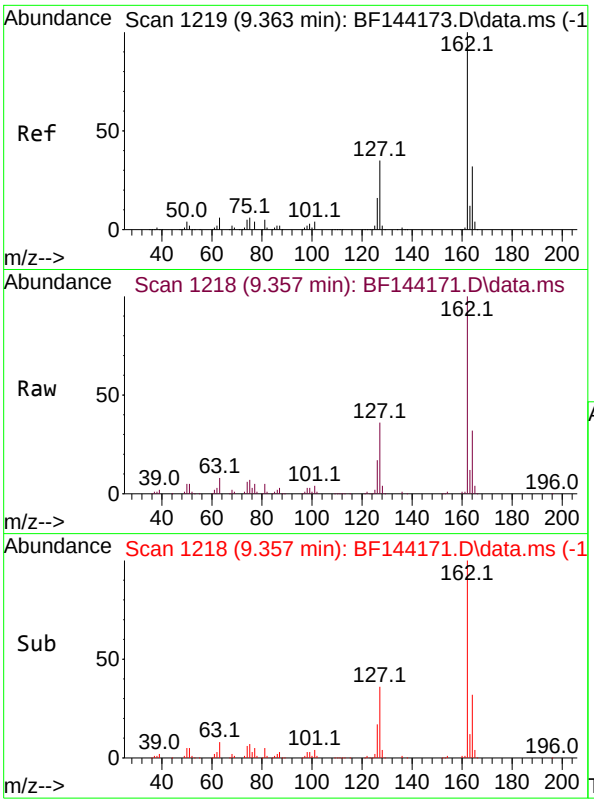


#46
1,1'-Biphenyl
Concen: 10.355 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:154 Resp: 188739

Ion	Ratio	Lower	Upper
154	100		
153	38.4	19.2	59.2
76	11.3	0.0	31.8



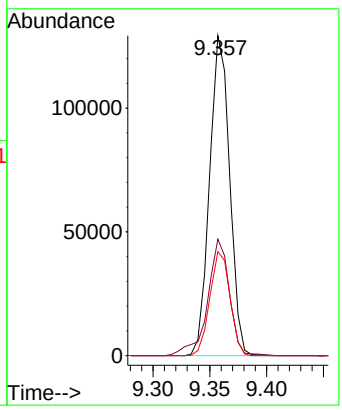


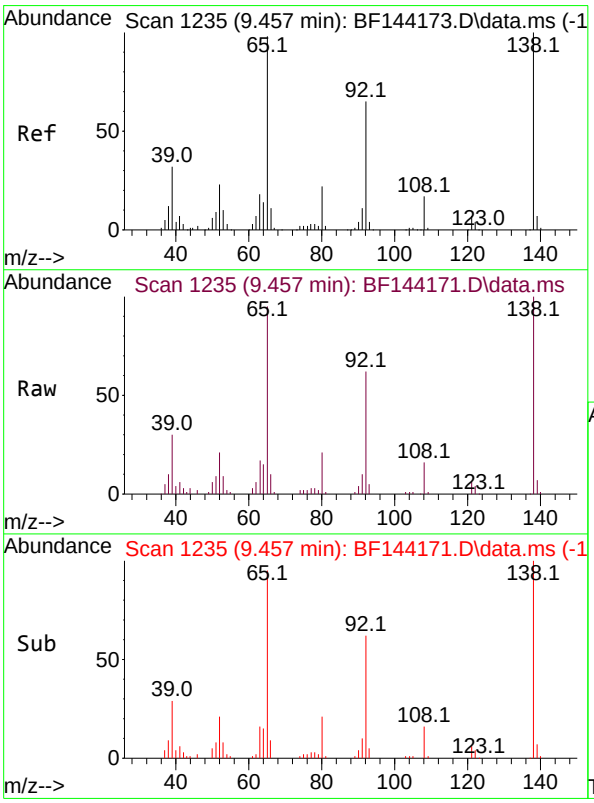
#47
2-Chloronaphthalene
Concen: 10.211 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 158745

Ion	Ratio	Lower	Upper
162	100		
127	36.4	28.8	43.2
164	32.5	25.8	38.8

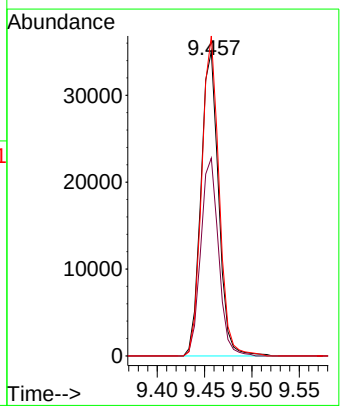


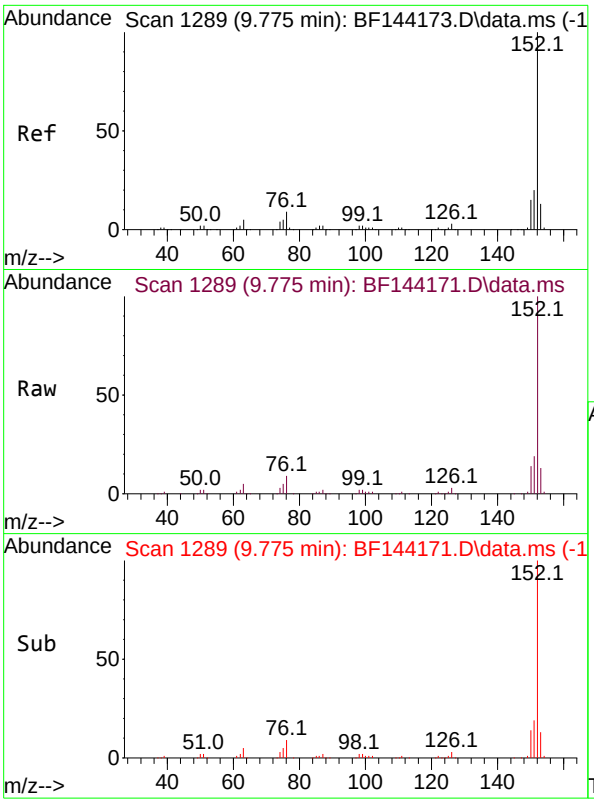


#48
2-Nitroaniline
Concen: 10.104 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion: 65 Resp: 45323

Ion	Ratio	Lower	Upper
65	100		
92	65.0	53.0	79.6
138	105.1	81.6	122.4



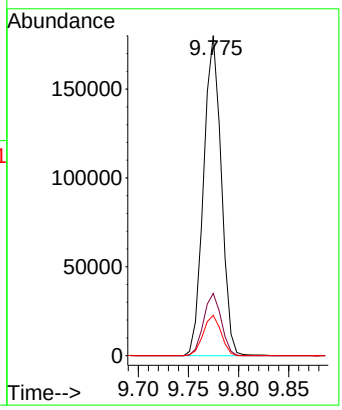


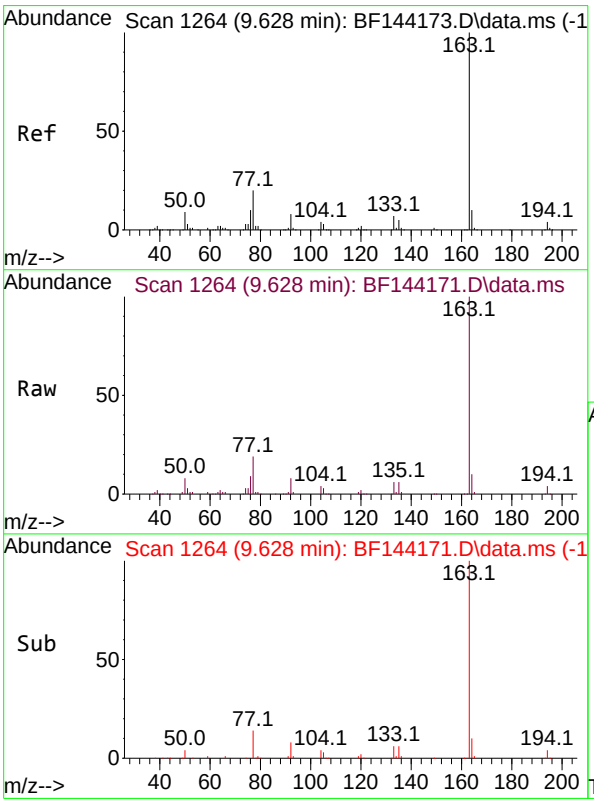
#49
Acenaphthylene
Concen: 10.390 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 220118

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.6	10.5	15.7

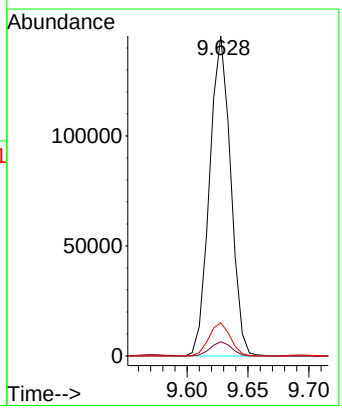


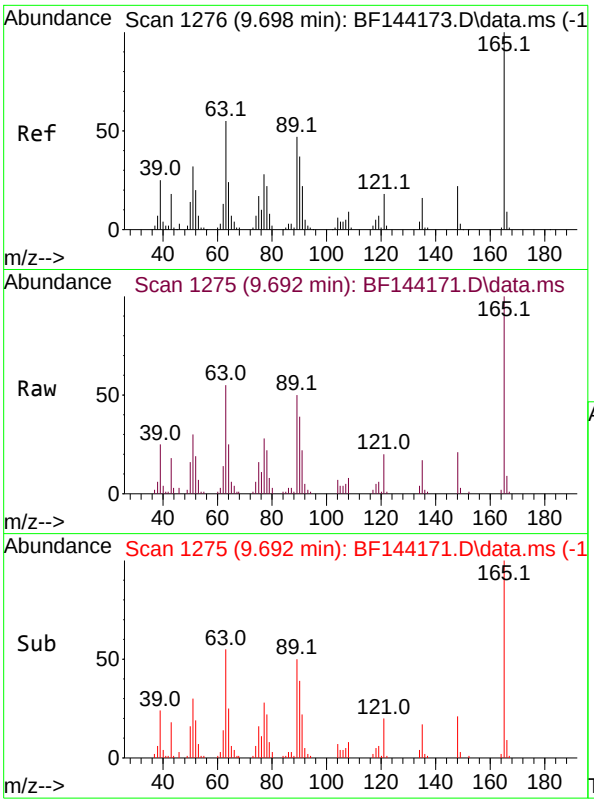


#50
Dimethylphthalate
Concen: 10.133 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:163 Resp: 175284

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.3	8.1	12.1



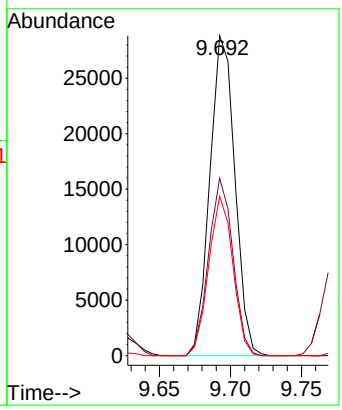


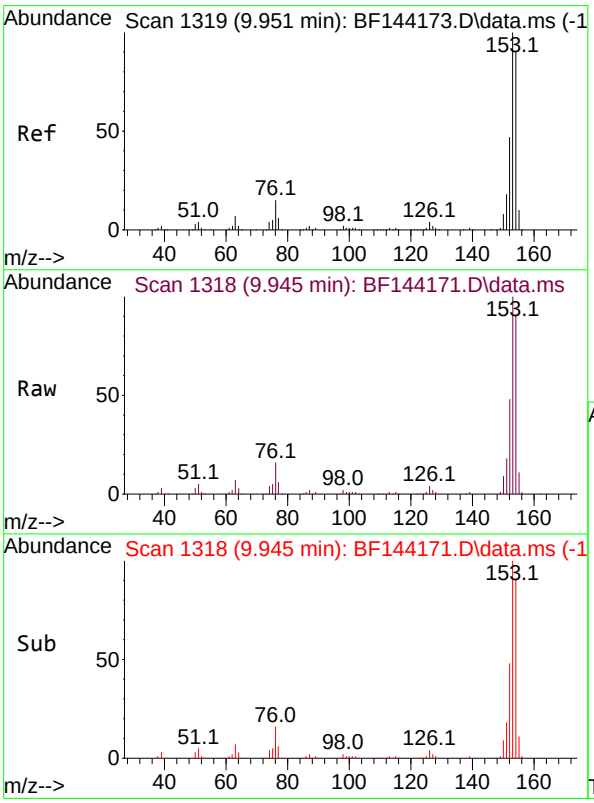
#51
2,6-Dinitrotoluene
Concen: 10.119 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 35433

Ion	Ratio	Lower	Upper
165	100		
63	55.4	43.8	65.8
89	49.8	37.5	56.3

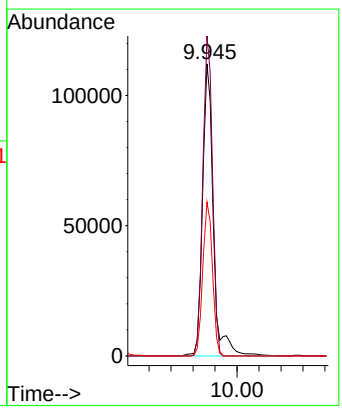


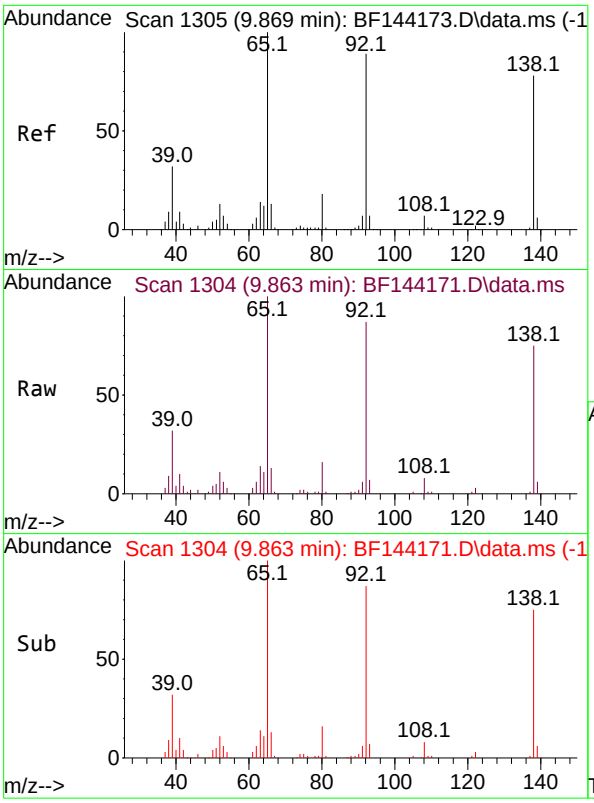


#52
Acenaphthene
Concen: 10.705 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:154 Resp: 151661

Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.0	133.4
152	52.7	42.2	63.4



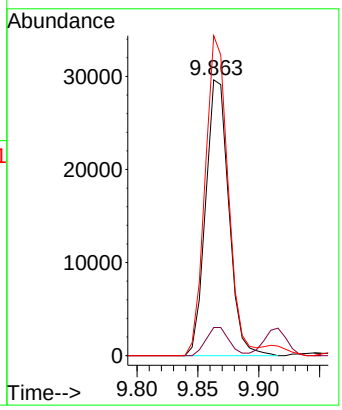


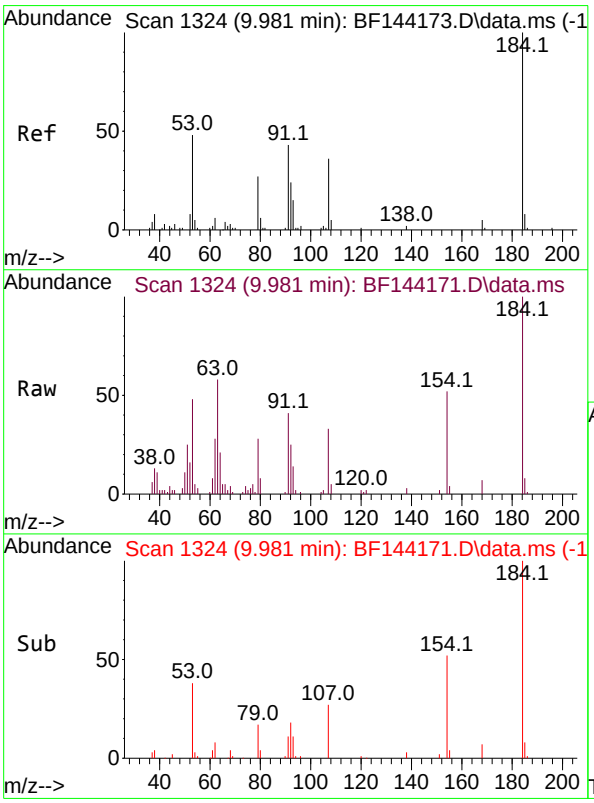
#53
3-Nitroaniline
Concen: 10.259 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 39270

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.5	11.3
92	116.1	91.8	137.6

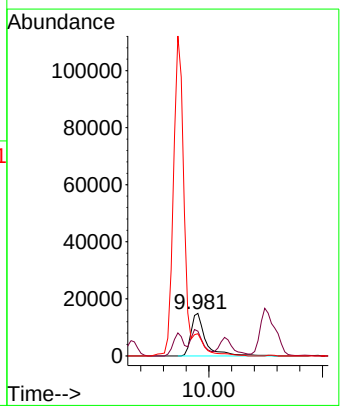


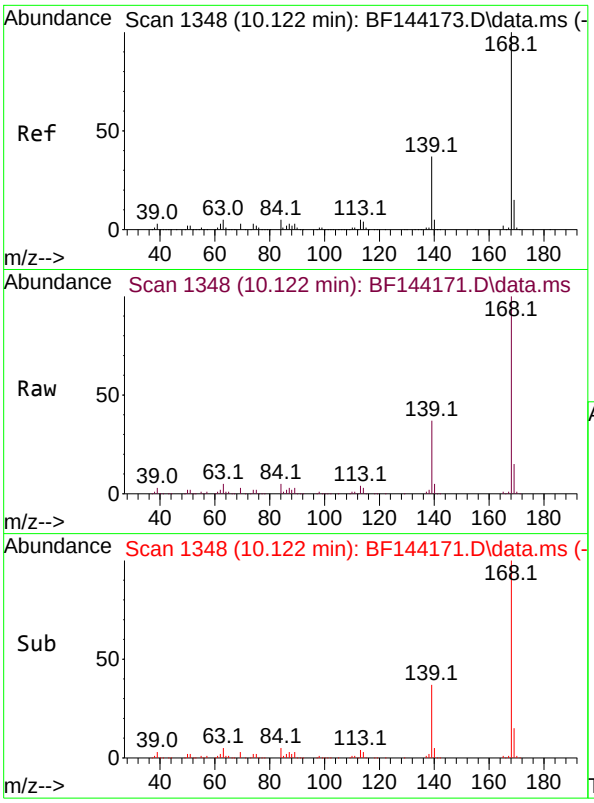


#54
2,4-Dinitrophenol
Concen: 12.447 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:184 Resp: 26319

Ion	Ratio	Lower	Upper
184	100		
63	58.3	44.0	66.0
154	51.9	42.4	63.6



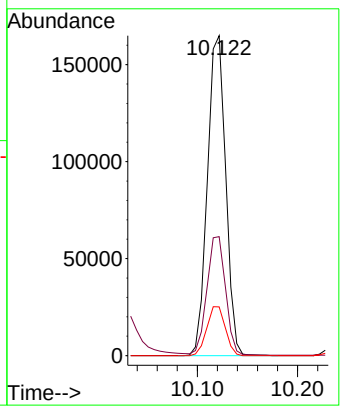


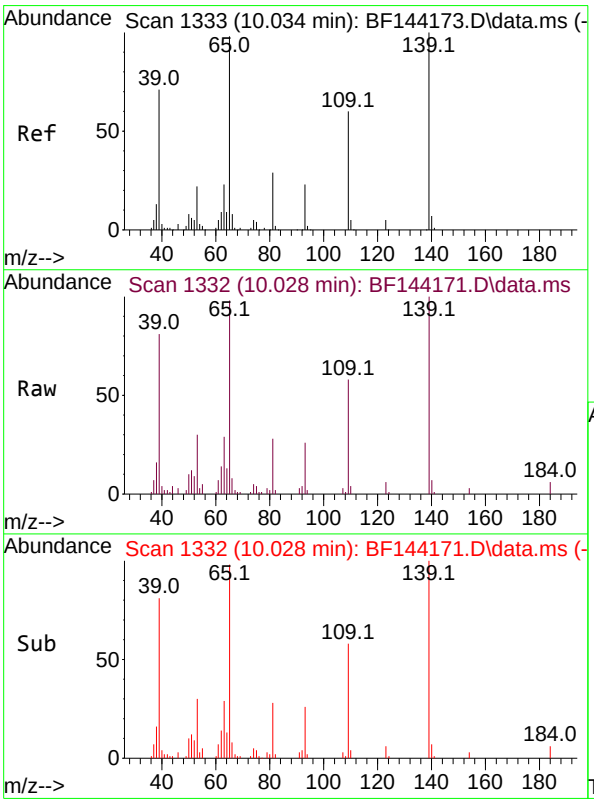
#55
Dibenzofuran
Concen: 10.530 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 208943

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.2	45.2
169	15.2	12.2	18.4

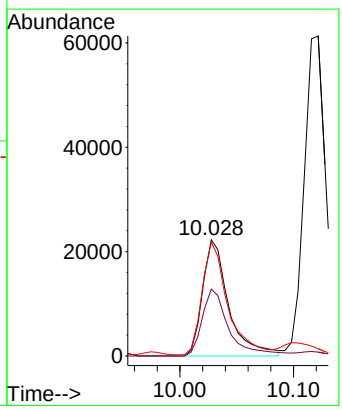


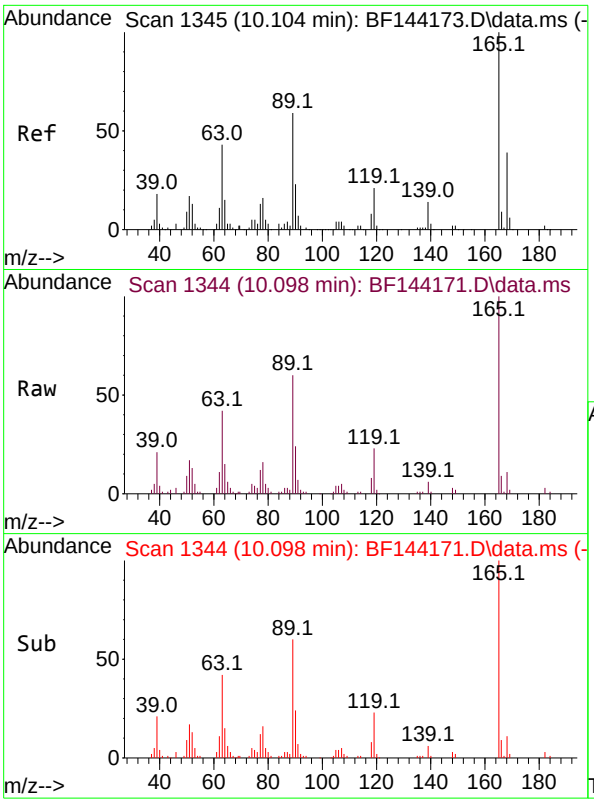


#56
4-Nitrophenol
Concen: 12.867 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:139 Resp: 35627

Ion	Ratio	Lower	Upper
139	100		
109	57.6	39.9	79.9
65	98.0	79.5	119.5



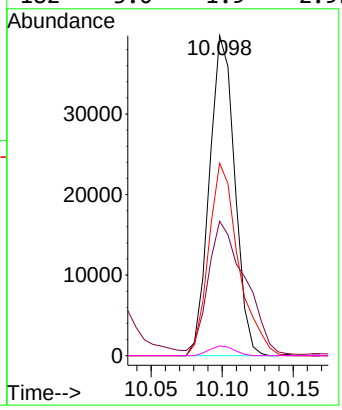


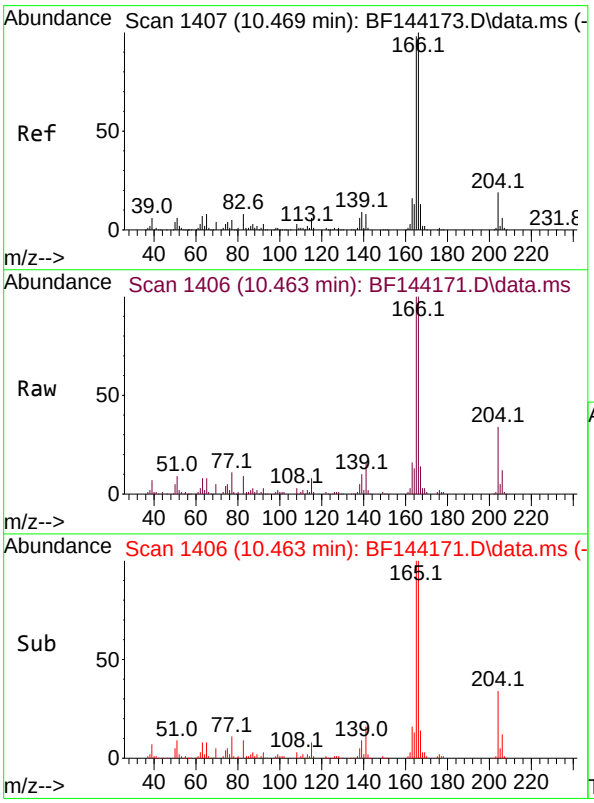
#57
2,4-Dinitrotoluene
Concen: 10.508 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 49257

Ion	Ratio	Lower	Upper
165	100		
63	42.0	35.5	53.3
89	60.1	47.4	71.2
182	3.0	1.9	2.9#

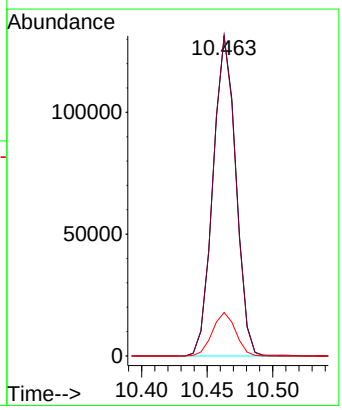


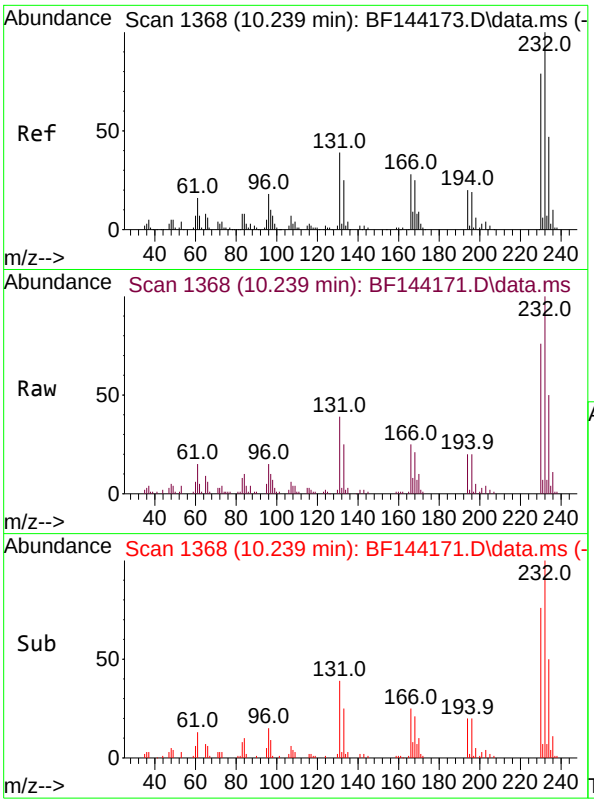


#58
Fluorene
Concen: 10.581 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:166 Resp: 159623

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.6	118.0
167	13.6	10.4	15.6



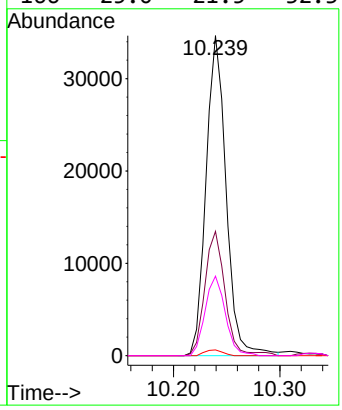


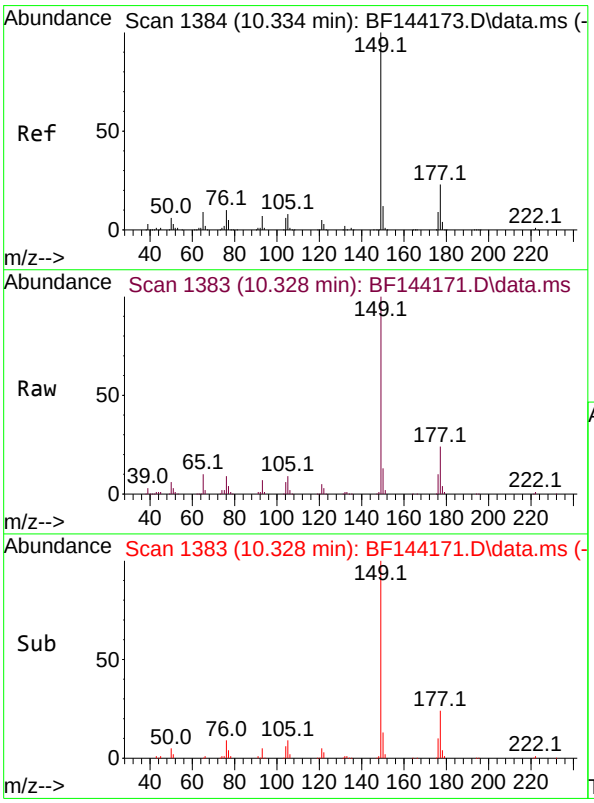
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.207 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 45333

Ion	Ratio	Lower	Upper
232	100		
131	39.1	30.3	45.5
130	1.6	1.2	1.8
166	25.0	21.5	32.3

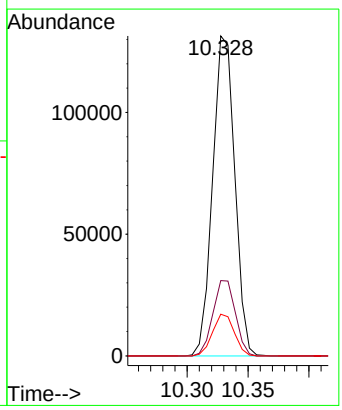


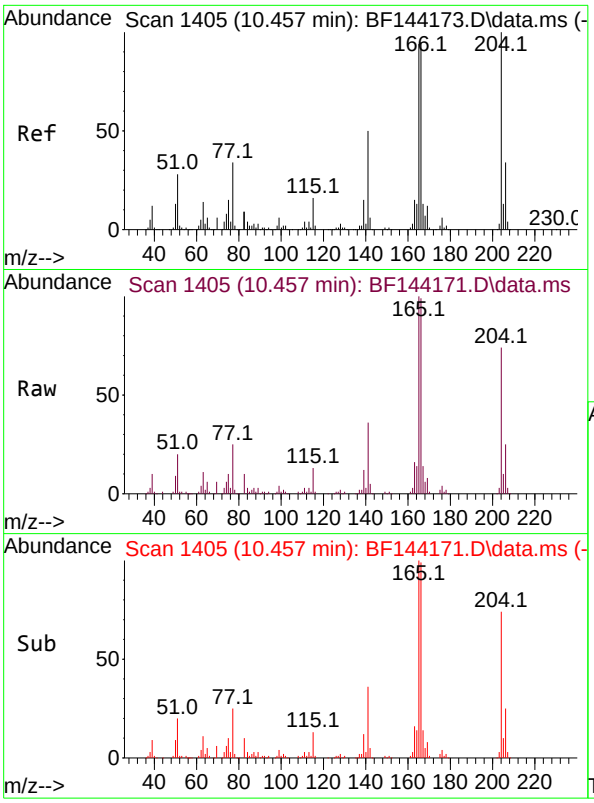


#60
Diethylphthalate
Concen: 10.426 ng
RT: 10.328 min Scan# 1383
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 166246

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.3	27.5
150	13.0	9.8	14.6



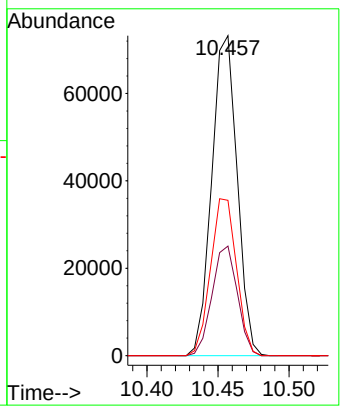


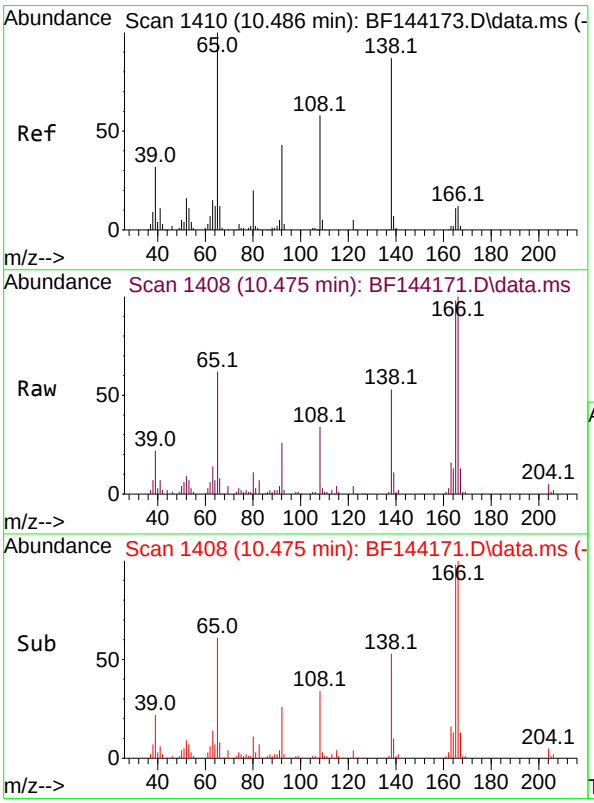
#61
4-Chlorophenyl-phenylether
Concen: 10.645 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 91478

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	48.5	40.0	60.0

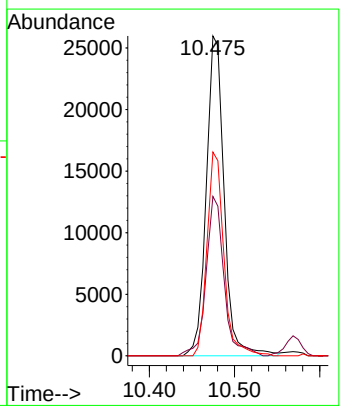


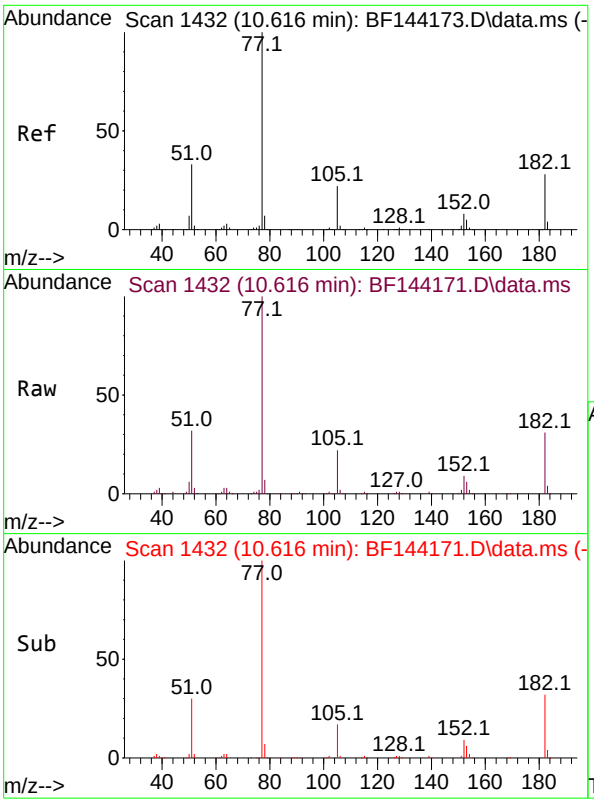


#62
4-Nitroaniline
Concen: 10.375 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:138 Resp: 37821

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.4	69.4
108	63.7	46.4	86.4



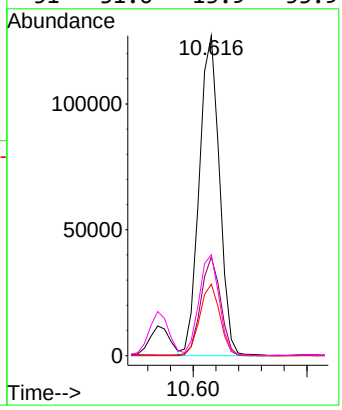


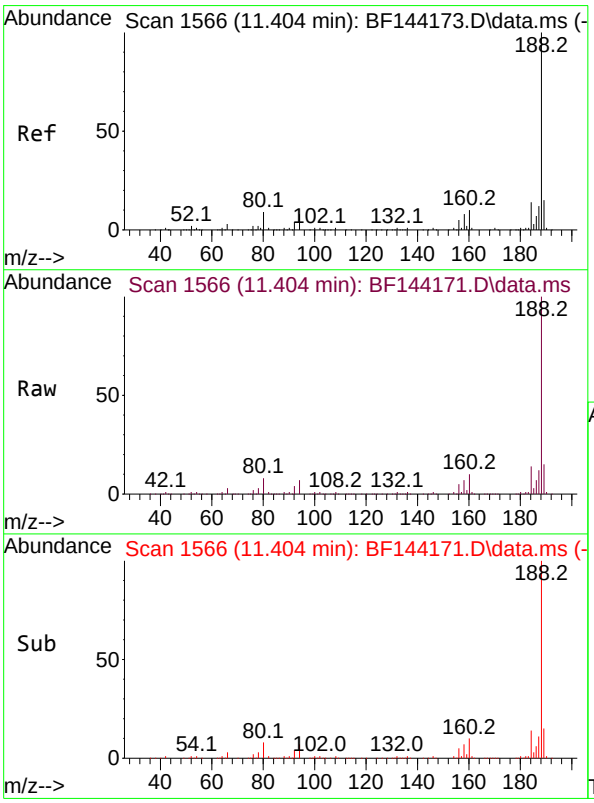
#63
Azobenzene
Concen: 10.586 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 157098

Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.1	48.1
105	22.3	2.0	42.0
51	31.6	13.9	53.9

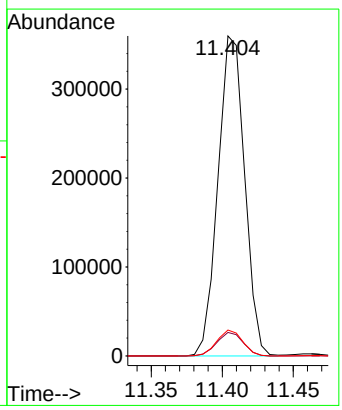


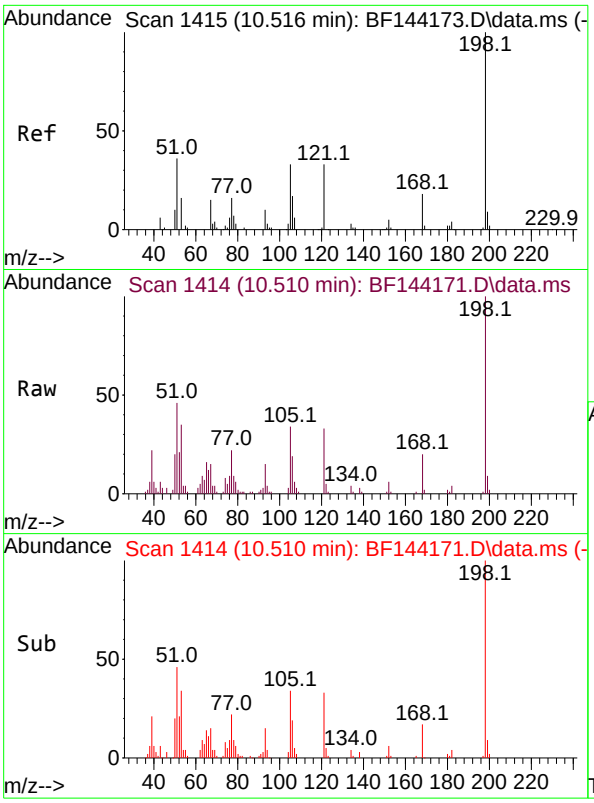


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:188 Resp: 469428

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	8.1	6.9	10.3



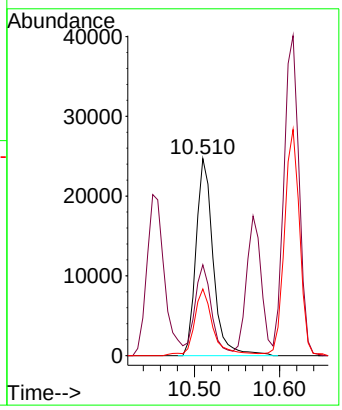


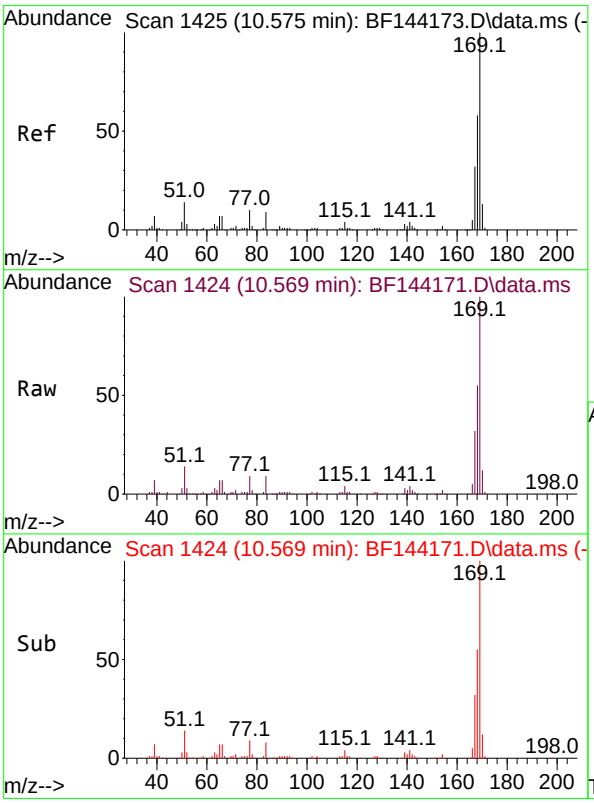
#65
4,6-Dinitro-2-methylphenol
Concen: 10.823 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 34516

Ion	Ratio	Lower	Upper
198	100		
51	46.1	25.6	65.6
105	33.8	14.6	54.6

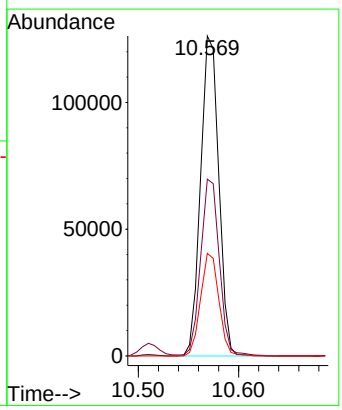


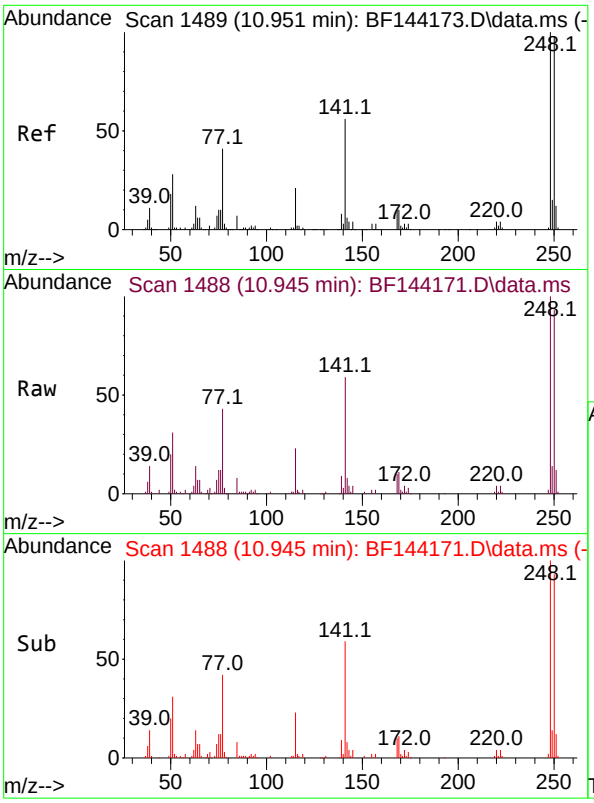


#66
n-Nitrosodiphenylamine
Concen: 10.509 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:169 Resp: 158661

Ion	Ratio	Lower	Upper
169	100		
168	55.2	46.2	69.2
167	32.0	25.7	38.5



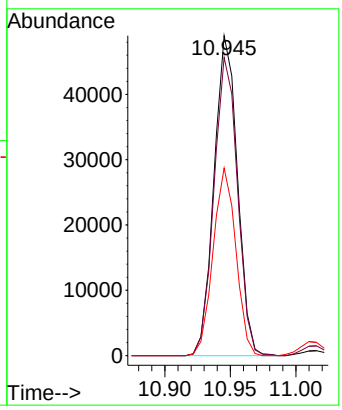


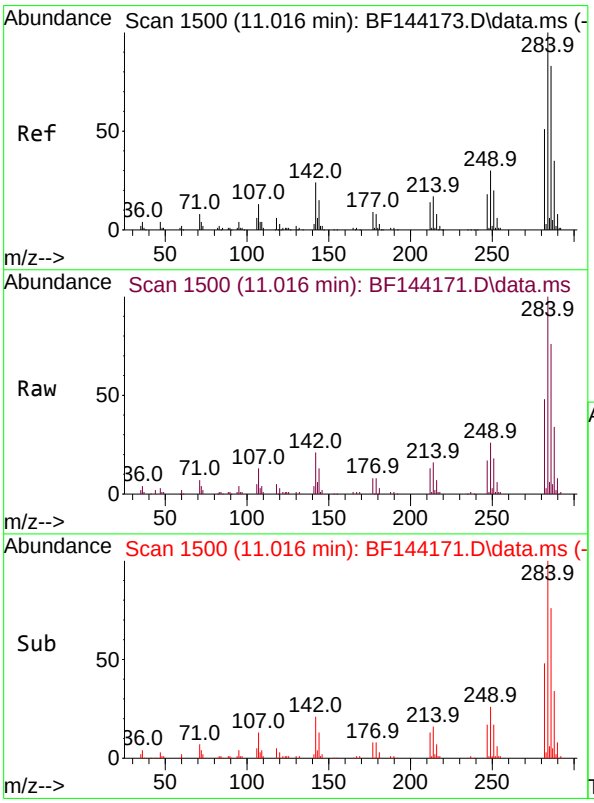
#67
4-Bromophenyl-phenylether
Concen: 10.169 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 60929

Ion	Ratio	Lower	Upper
248	100		
250	93.2	78.4	117.6
141	58.6	45.1	67.7

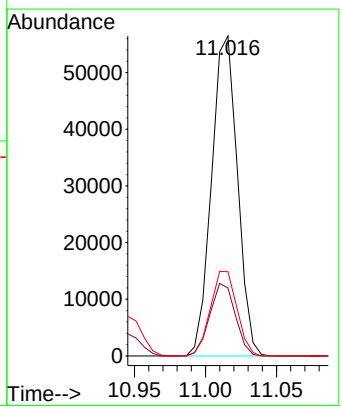


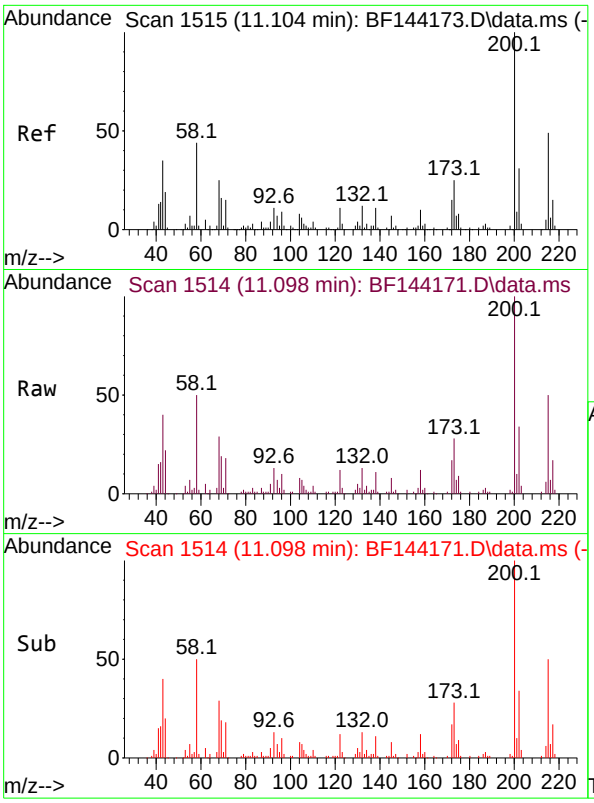


#68
Hexachlorobenzene
Concen: 10.168 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:284 Resp: 71759

Ion	Ratio	Lower	Upper
284	100		
142	21.2	19.2	28.8
249	26.3	23.8	35.8



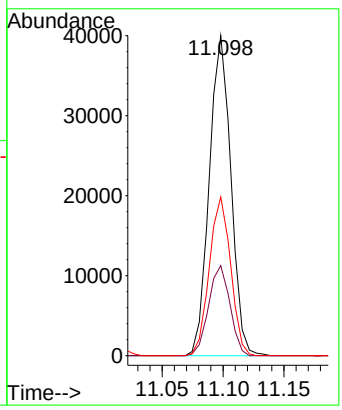


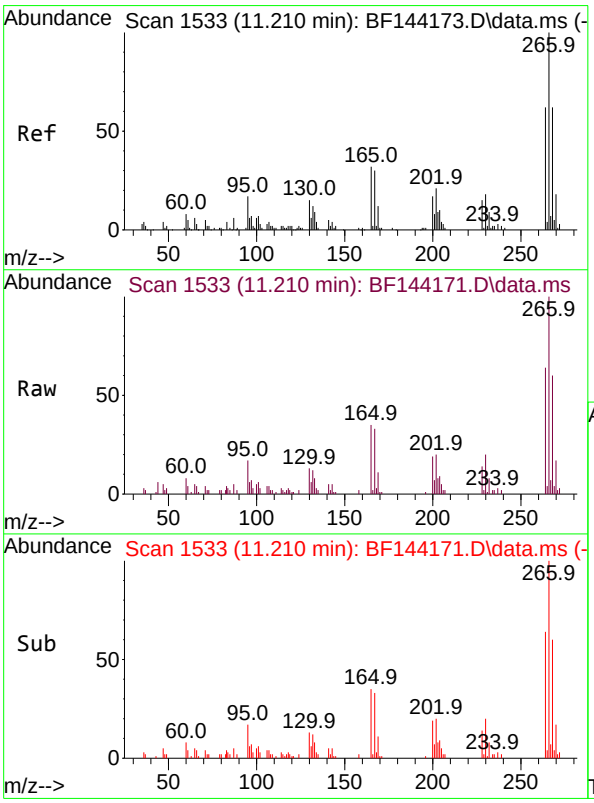
#69
Atrazine
Concen: 10.302 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 49466

Ion	Ratio	Lower	Upper
200	100		
173	28.1	5.0	45.0
215	49.6	28.7	68.7

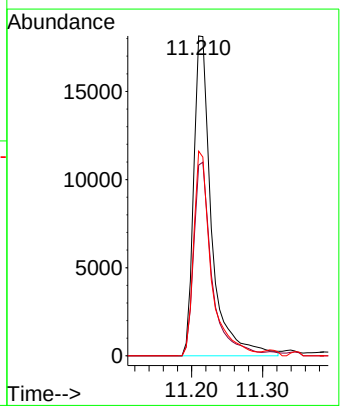


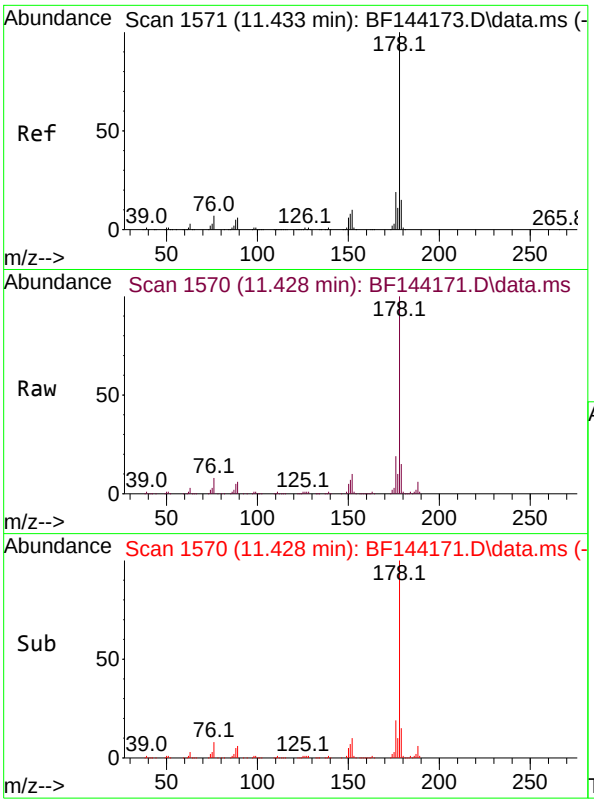


#70
Pentachlorophenol
Concen: 9.012 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:266 Resp: 31673

Ion	Ratio	Lower	Upper
266	100		
268	59.6	49.5	74.3
264	64.0	49.4	74.2



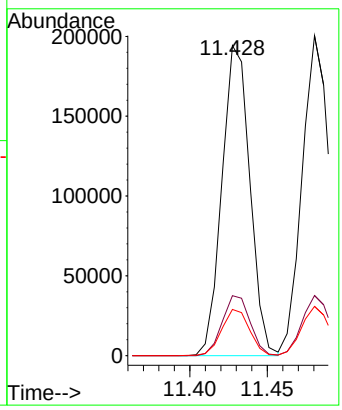


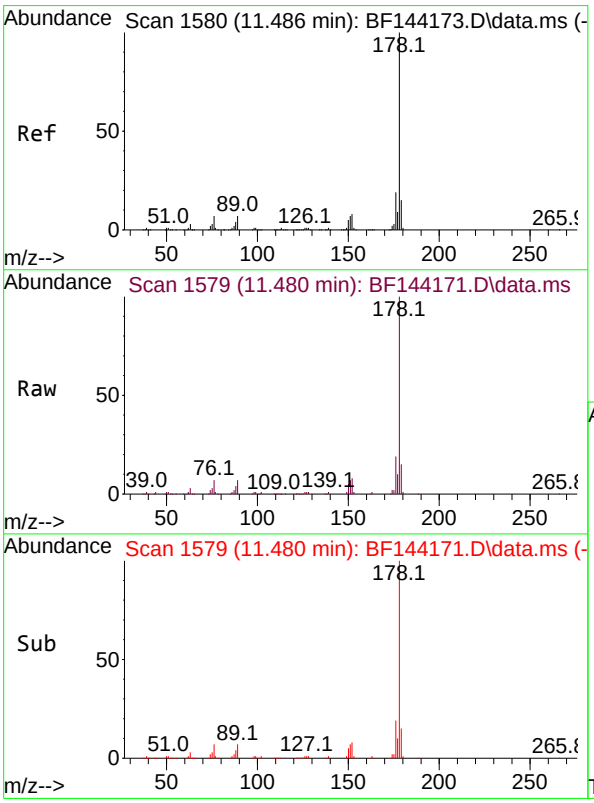
#71
Phenanthrene
Concen: 10.460 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 244478

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	14.9	12.2	18.4

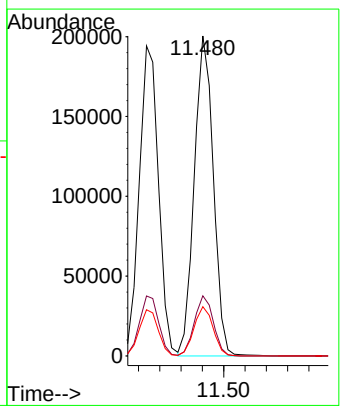


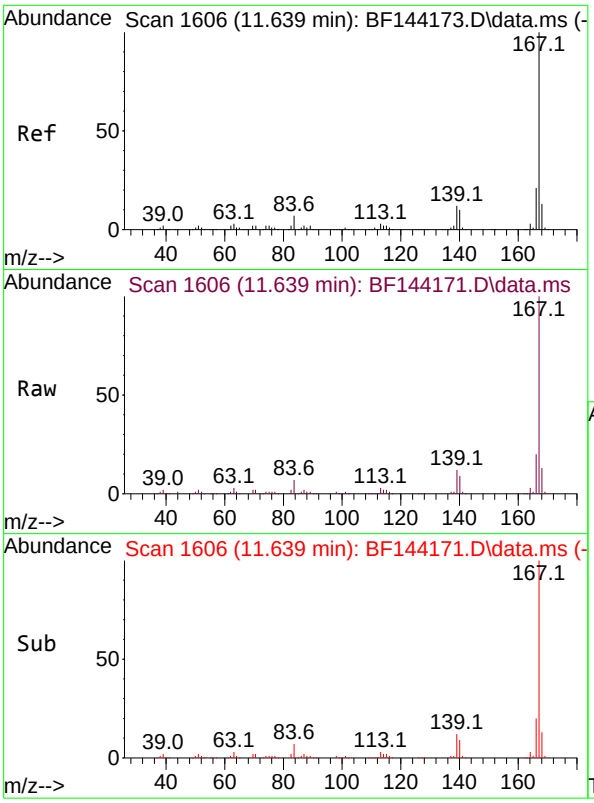


#72
Anthracene
Concen: 10.457 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:178 Resp: 248511

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.0	18.0



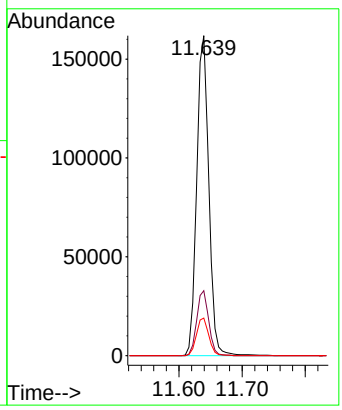


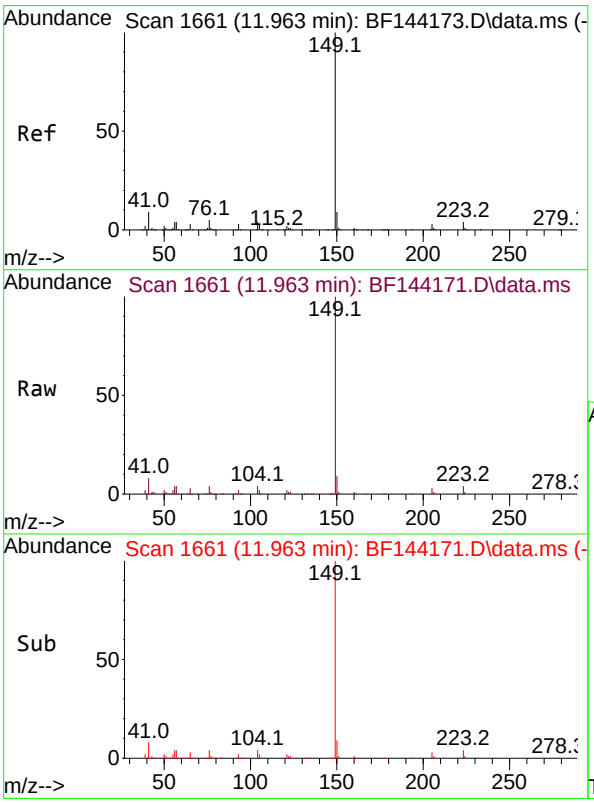
#73
Carbazole
Concen: 10.652 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 215269

Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.2	25.8
139	11.7	9.9	14.9

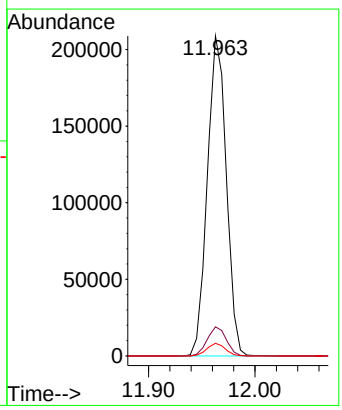


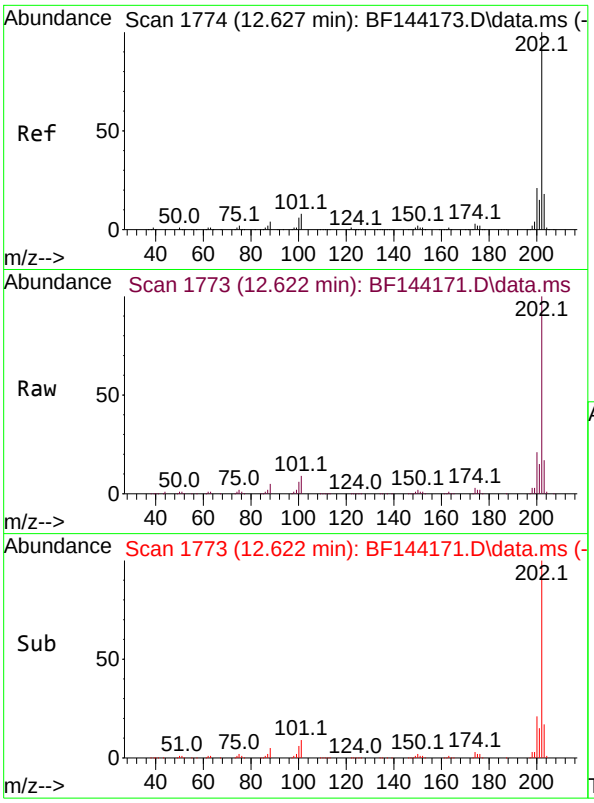


#74
Di-n-butylphthalate
Concen: 10.580 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 258464

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	3.9	3.4	5.2



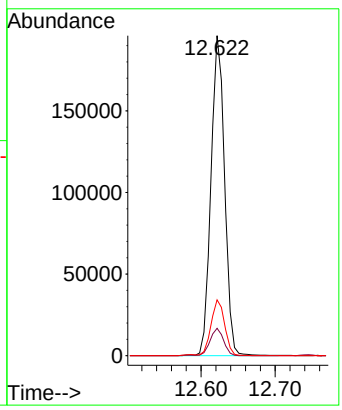


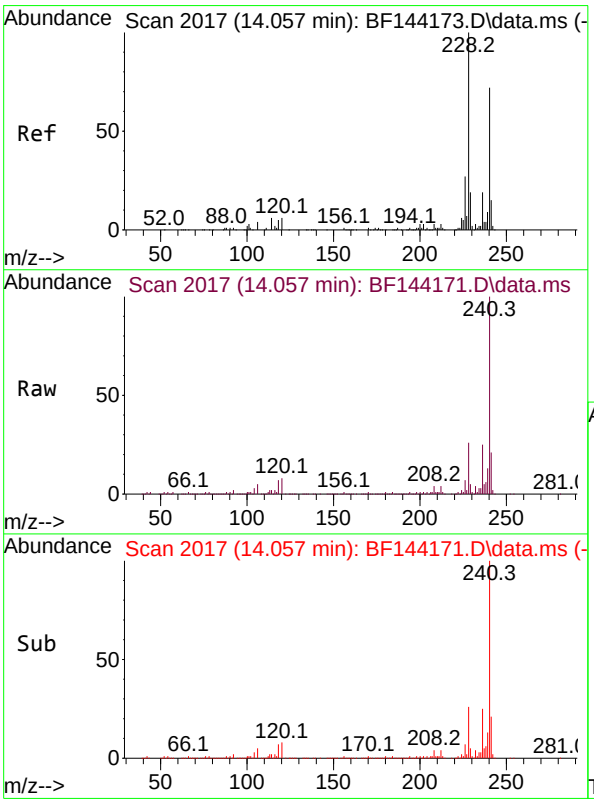
#75
Fluoranthene
Concen: 10.359 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 250112

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	27.9
203	17.4	0.0	37.5

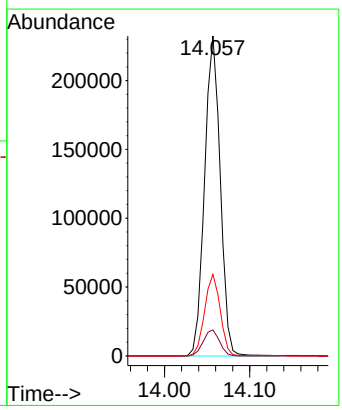


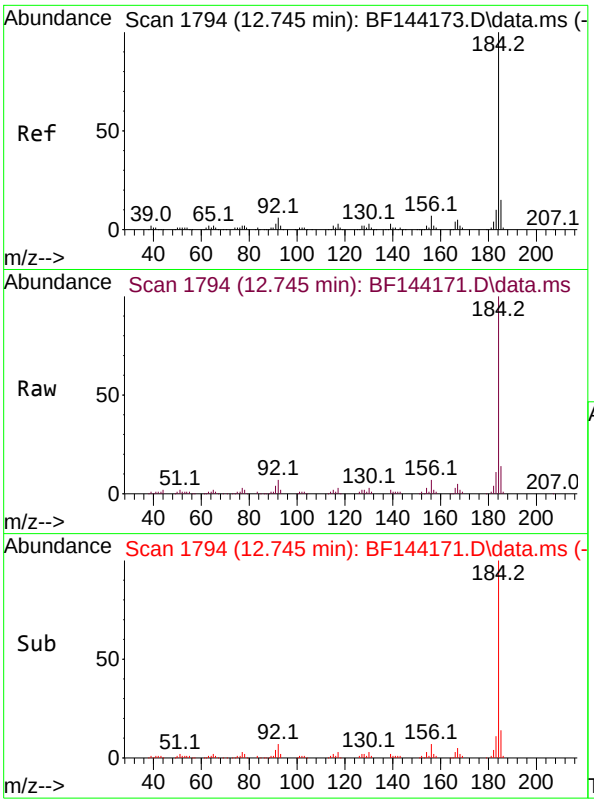


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:240 Resp: 296506

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.6	10.0
236	25.5	21.4	32.2



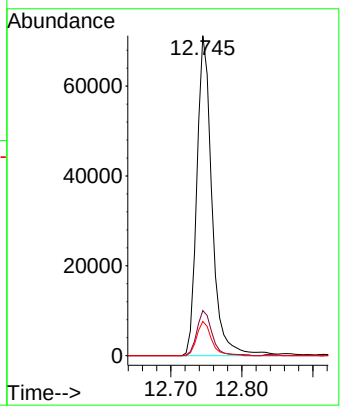


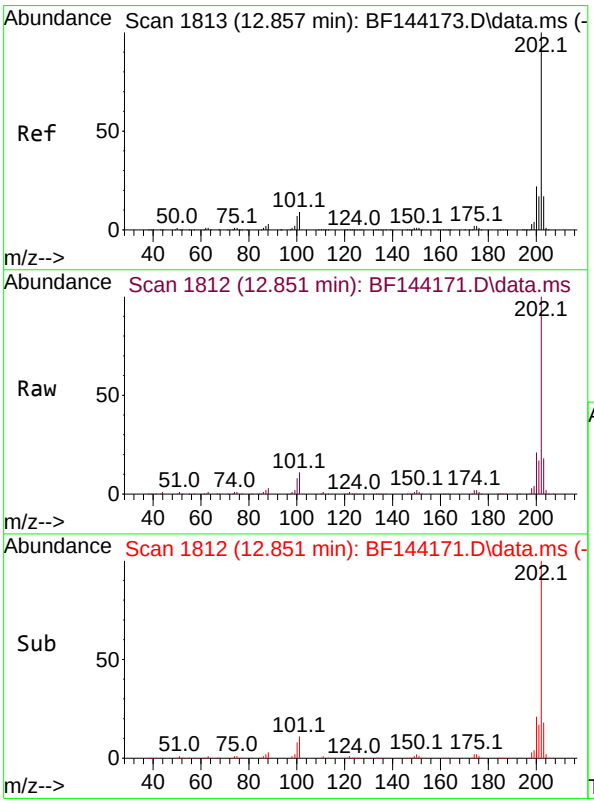
#77
Benzidine
Concen: 11.958 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 104876

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.7	17.5
183	10.7	8.3	12.5

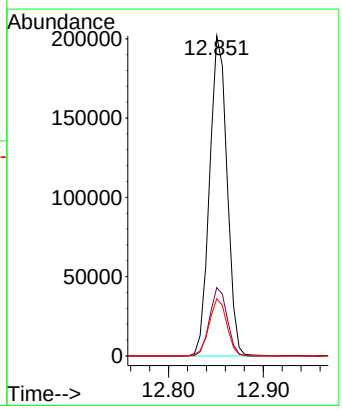


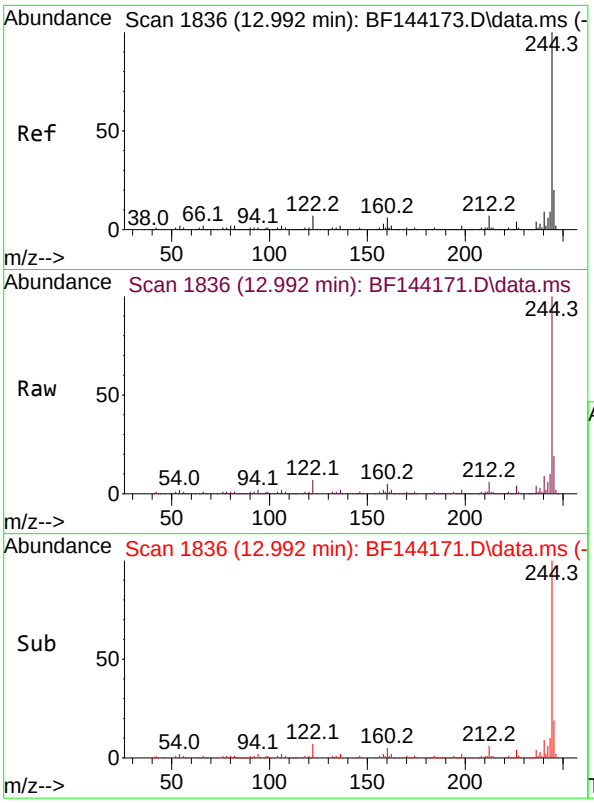


#78
Pyrene
Concen: 10.823 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:202 Resp: 258743

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.9	13.7	20.5



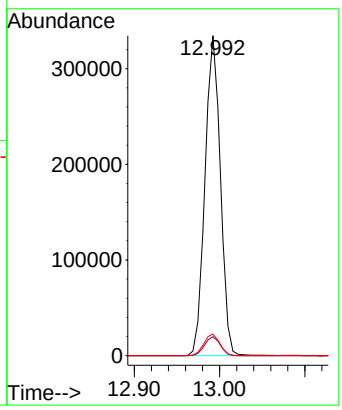


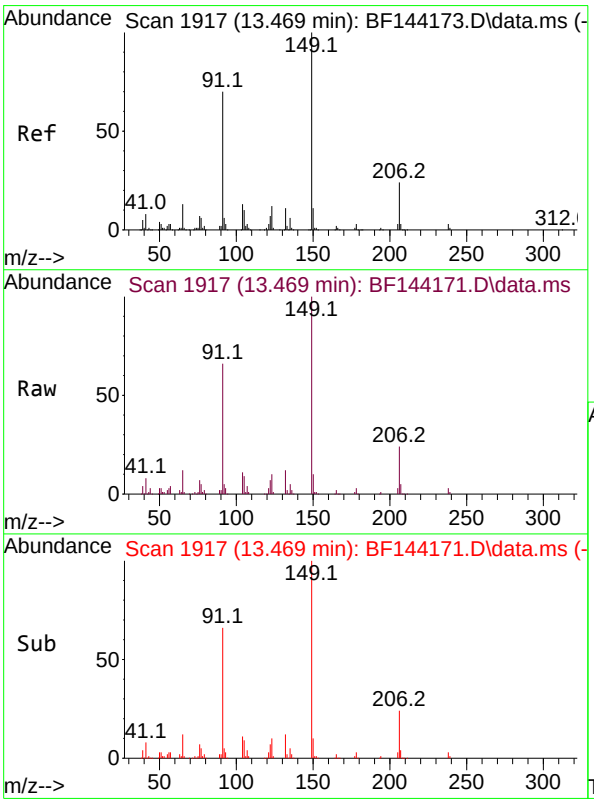
#79
Terphenyl-d14
Concen: 22.476 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 419548

Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.3	7.9
122	6.8	5.6	8.4

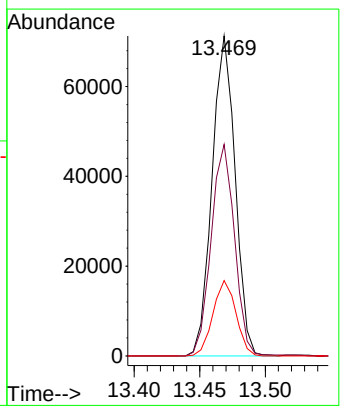


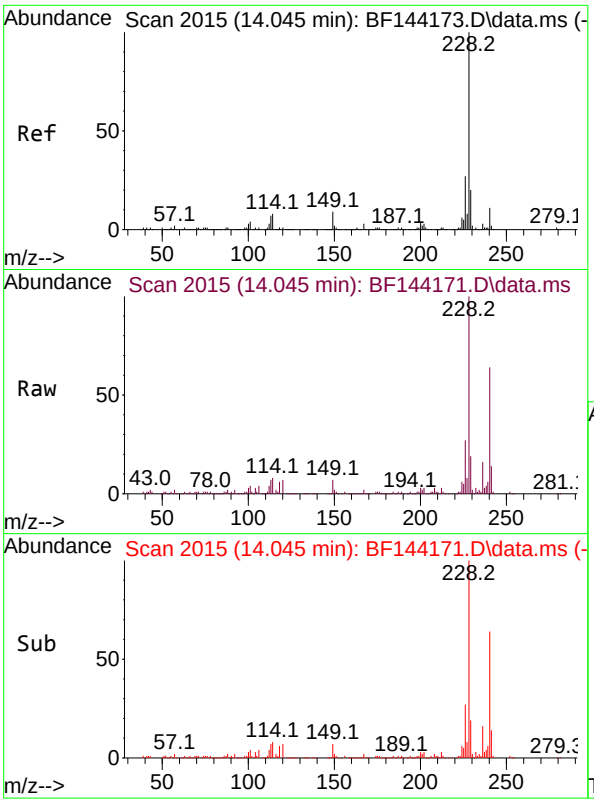


#80
Butylbenzylphthalate
Concen: 10.556 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 87462

Ion	Ratio	Lower	Upper
149	100		
91	66.1	56.1	84.1
206	23.6	18.8	28.2



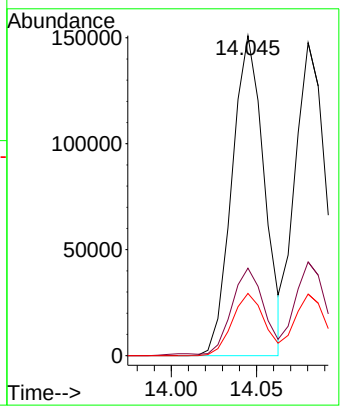


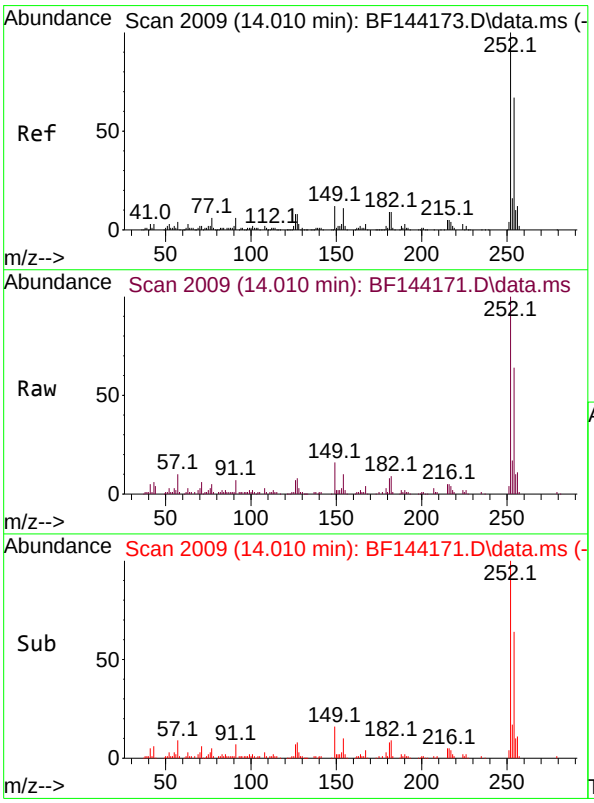
#81
Benzo(a)anthracene
Concen: 9.664 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 198590

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.4	15.8	23.6

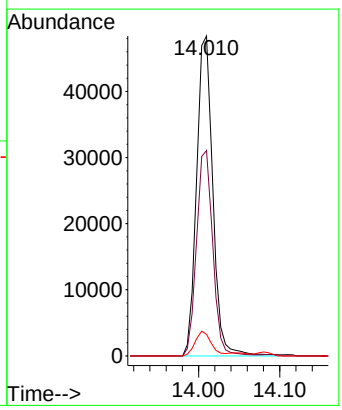


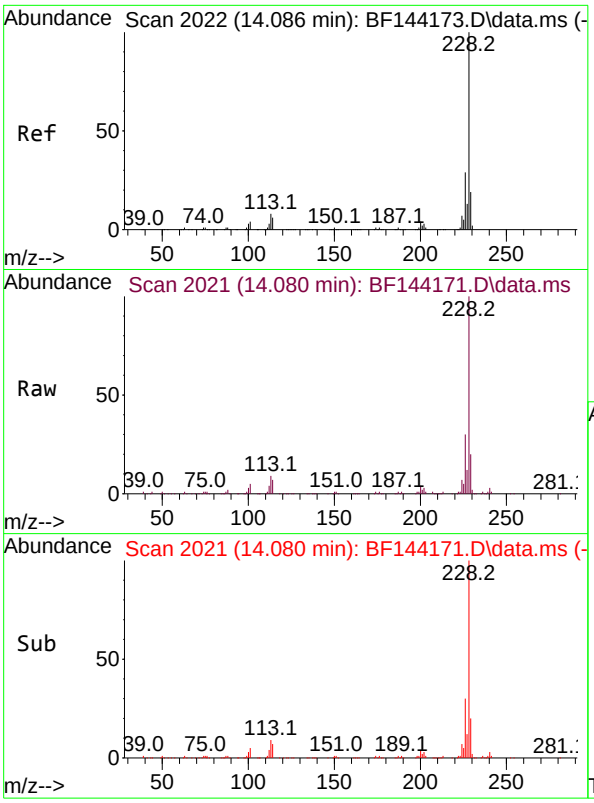


#82
3,3'-Dichlorobenzidine
Concen: 9.535 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 67166

Ion	Ratio	Lower	Upper
252	100		
254	64.2	53.5	80.3
126	6.7	6.4	9.6



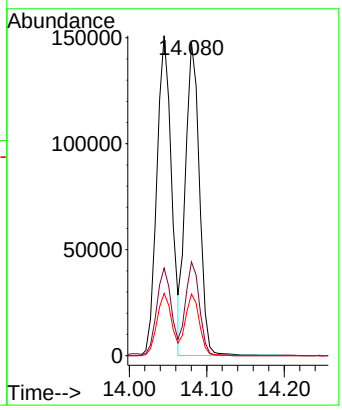


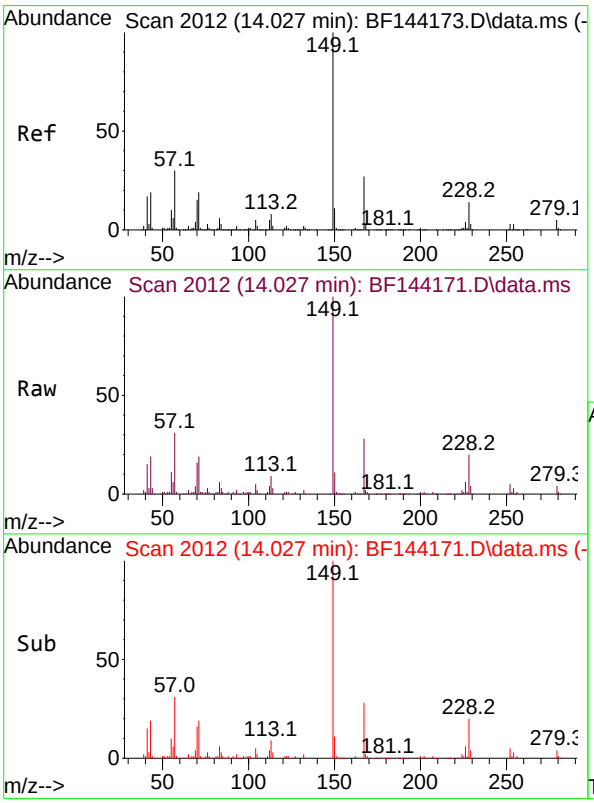
#83
Chrysene
Concen: 9.731 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 184604

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	19.7	15.0	22.6

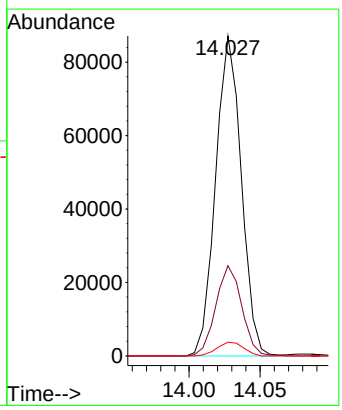


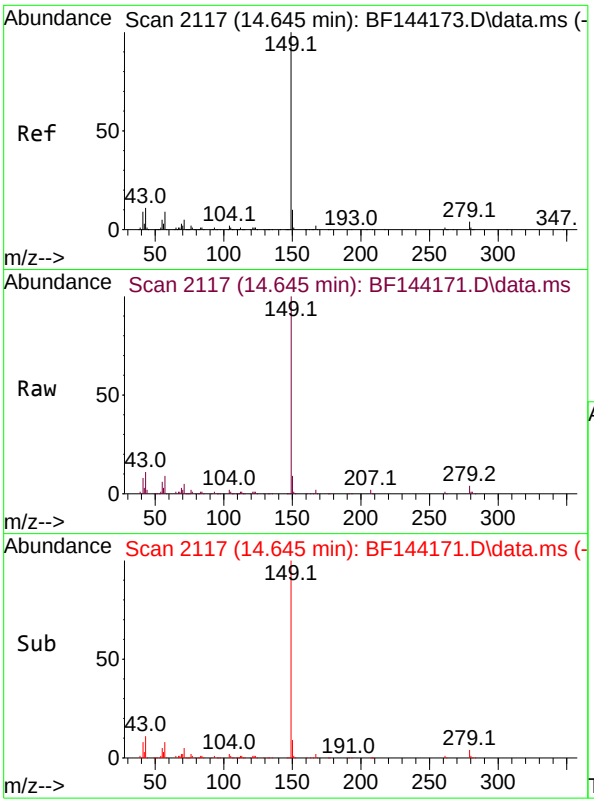


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.662 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:149 Resp: 109593

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.8	32.8
279	4.3	3.7	5.5



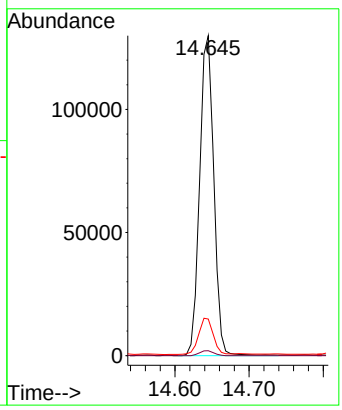


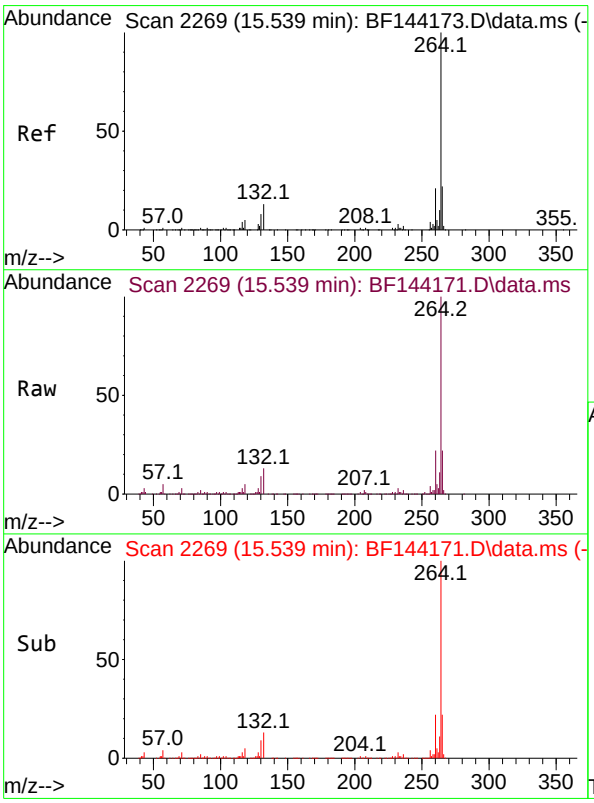
#85
Di-n-octyl phthalate
Concen: 8.811 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 172428

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.7	9.0	13.4

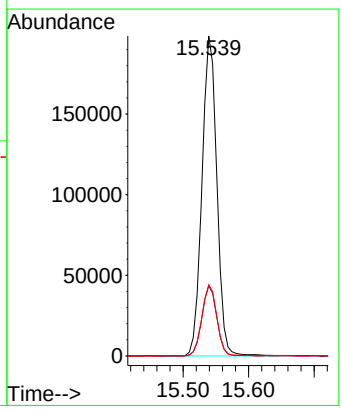


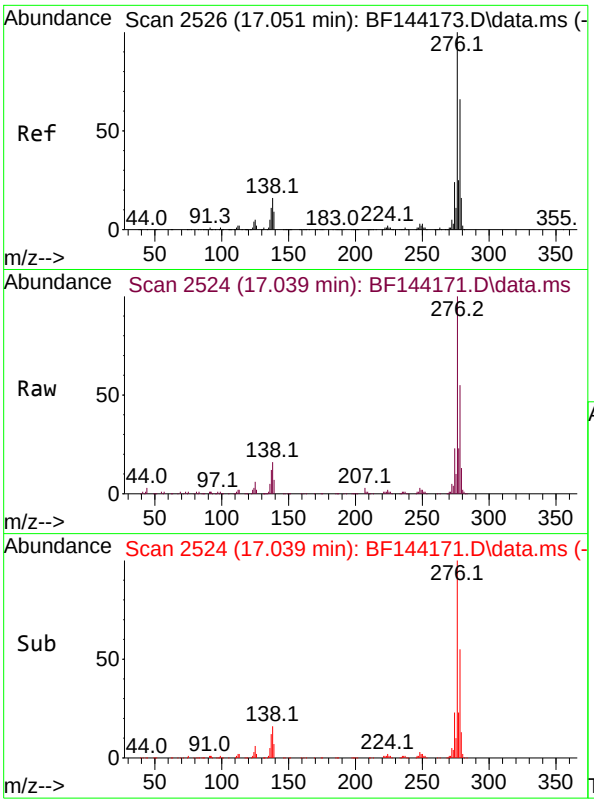


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:264 Resp: 311371

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.1	25.7
265	22.2	17.4	26.0



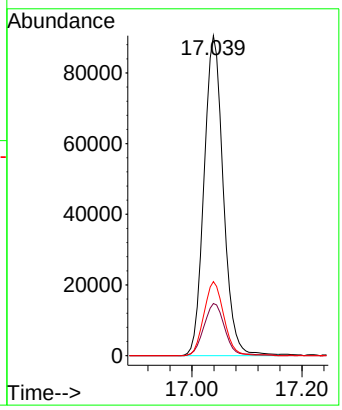


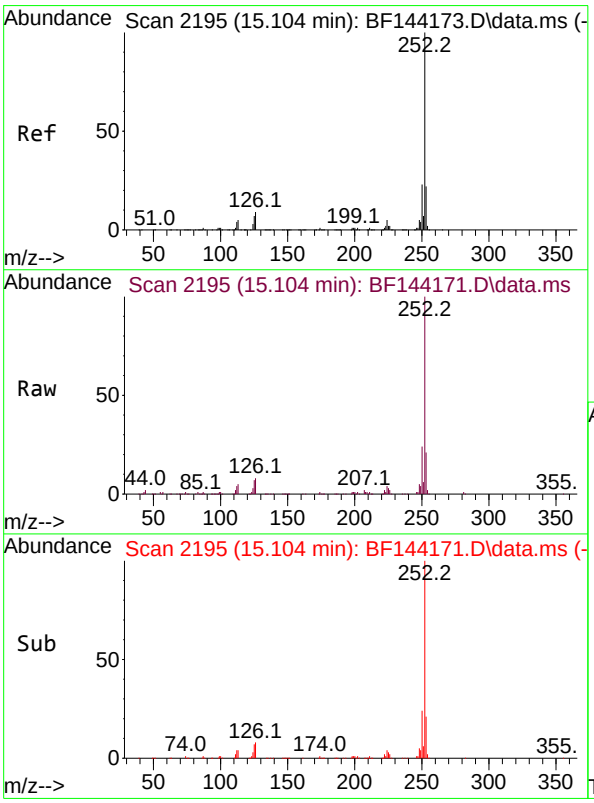
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.831 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 219736

Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.9	20.9
277	23.8	19.8	29.6

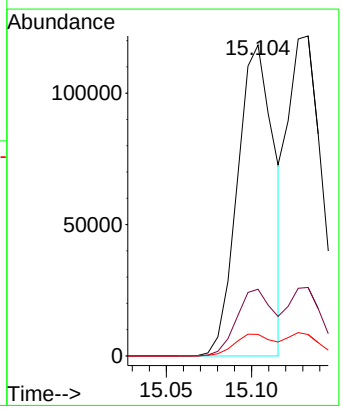


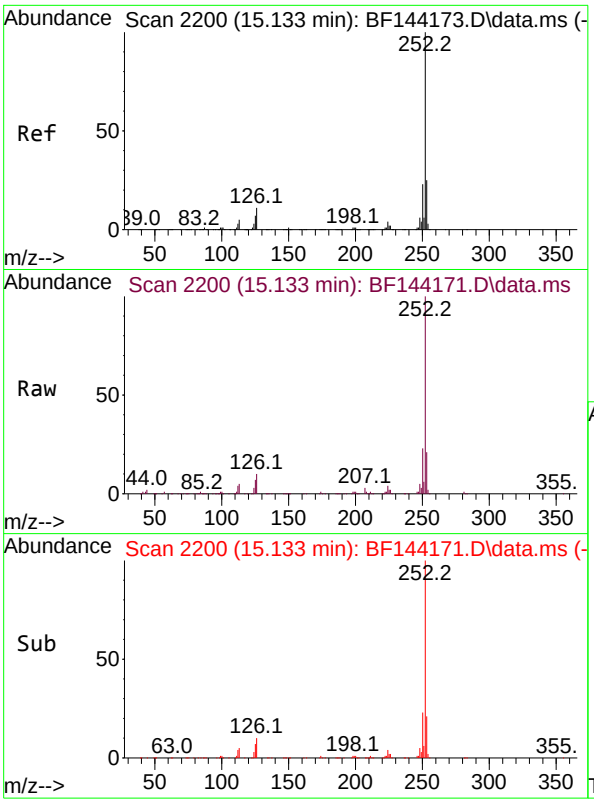


#88
Benzo(b)fluoranthene
Concen: 9.963 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 176369

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	6.9	5.3	7.9



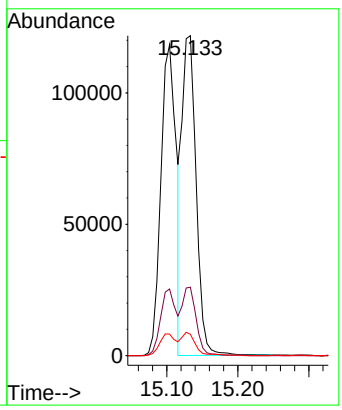


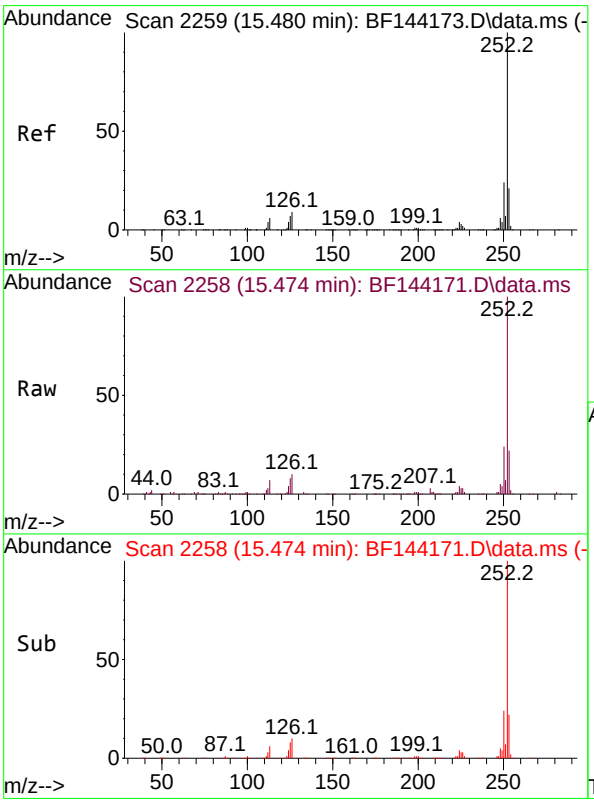
#89
Benzo(k)fluoranthene
Concen: 10.283 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 170386

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	6.7	5.4	8.2

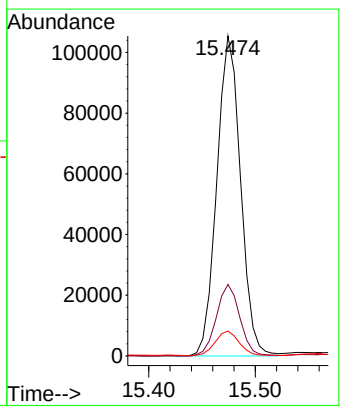


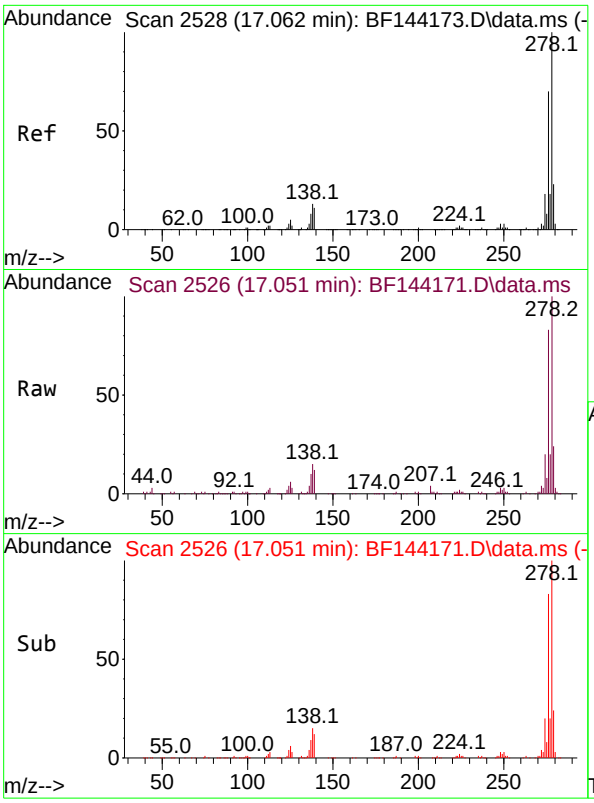


#90
Benzo(a)pyrene
Concen: 10.013 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:252 Resp: 163529

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.7	25.1
125	7.8	5.7	8.5



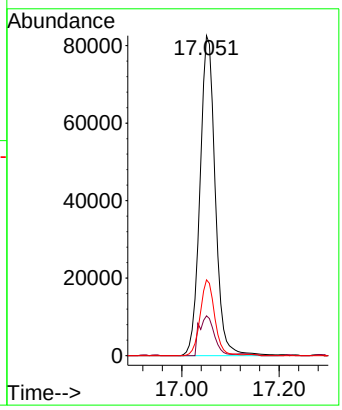


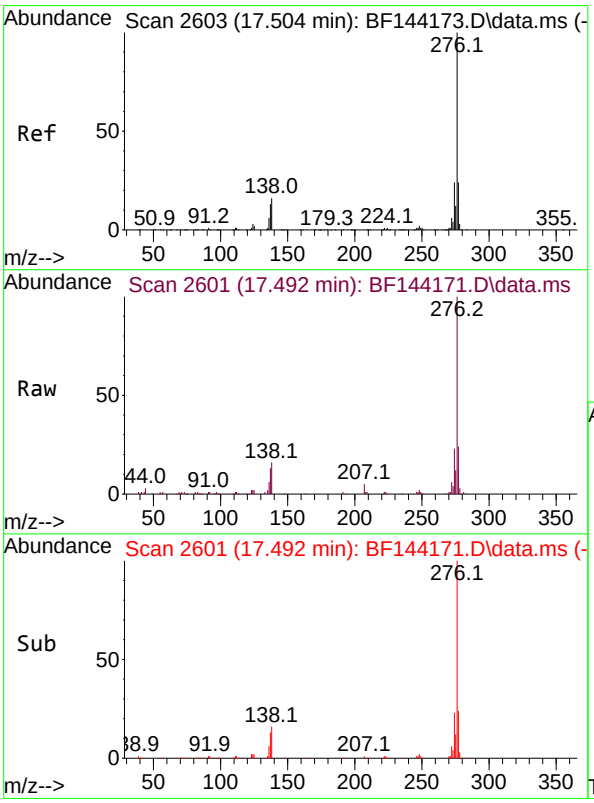
#91
Dibenzo(a,h)anthracene
Concen: 10.016 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 179793

Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.1	13.7
279	23.7	18.2	27.4

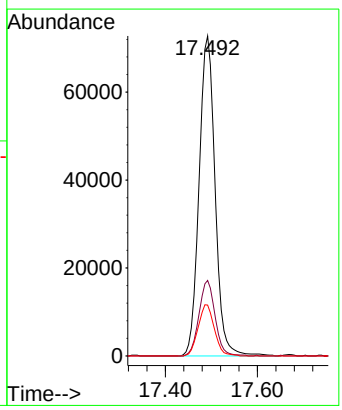




#92
Benzo(g,h,i)perylene
Concen: 9.877 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.029 min
Lab File: BF144171.D
Acq: 05 Nov 2025 13:50

Tgt Ion:276 Resp: 175090

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	15.9	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	97055	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	380834	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	220087	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	388430	20.000	ng	0.00
76) Chrysene-d12	14.057	240	250706	20.000	ng	0.00
86) Perylene-d12	15.539	264	297677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	255468	41.191	ng	0.00
7) Phenol-d6	6.498	99	293338	41.742	ng	-0.01
23) Nitrobenzene-d5	7.434	82	265652	40.287	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	112928	40.889	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	599169	40.208	ng	0.00
79) Terphenyl-d14	12.992	244	638611	40.461	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.611	88	50319	19.624	ng	99
3) Pyridine	3.387	79	144716	20.230	ng	97
4) n-Nitrosodimethylamine	3.322	42	70474	18.860	ng	99
6) Aniline	6.534	93	205178	20.492	ng	100
8) 2-Chlorophenol	6.657	128	125443	20.624	ng	99
9) Benzaldehyde	6.428	77	88978	22.422	ng	99
10) Phenol	6.516	94	178562	20.797	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	130219	20.814	ng	98
12) 1,3-Dichlorobenzene	6.816	146	153679	20.476	ng	97
13) 1,4-Dichlorobenzene	6.893	146	153656	20.435	ng	99
14) 1,2-Dichlorobenzene	7.046	146	144447	20.042	ng	99
15) Benzyl Alcohol	7.016	79	115331	20.726	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.140	45	242281	21.029	ng	95
17) 2-Methylphenol	7.122	107	97725	20.196	ng	96
18) Hexachloroethane	7.387	117	51648	20.675	ng	100
19) n-Nitroso-di-n-propyla...	7.281	70	96676	20.897	ng	99
20) 3+4-Methylphenols	7.275	107	118666	20.804	ng	94
22) Acetophenone	7.281	105	165374	20.242	ng	97
24) Nitrobenzene	7.457	77	143192	20.000	ng	97
25) Isophorone	7.693	82	254863	20.434	ng	97
26) 2-Nitrophenol	7.775	139	72909	20.572	ng	97
27) 2,4-Dimethylphenol	7.804	122	100827	18.981	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	157029	20.161	ng	96
29) 2,4-Dichlorophenol	8.016	162	125803	20.548	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	126402	20.106	ng	96
31) Naphthalene	8.181	128	373973	20.643	ng	99
32) Benzoic acid	7.916	122	83801	21.522	ng	97
33) 4-Chloroaniline	8.228	127	135273	20.474	ng	99
34) Hexachlorobutadiene	8.292	225	95971	20.255	ng	99
35) Caprolactam	8.587	113	35272	21.028	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	115603	21.069	ng	99
37) 2-Methylnaphthalene	8.869	142	253201	20.905	ng	99
38) 1-Methylnaphthalene	8.969	142	240612	20.588	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	144980	20.100	ng	99
41) Hexachlorocyclopentadiene	9.022	237	31247	18.527	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	98855	20.136	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	109277	20.653	ng	98
46) 1,1'-Biphenyl	9.334	154	313667	20.417	ng	99
47) 2-Chloronaphthalene	9.357	162	265522	20.262	ng	99
48) 2-Nitroaniline	9.457	65	76785	20.308	ng	97
49) Acenaphthylene	9.775	152	369018	20.664	ng	98
50) Dimethylphthalate	9.628	163	299125	20.516	ng	99
51) 2,6-Dinitrotoluene	9.698	165	59656	20.212	ng	96
52) Acenaphthene	9.945	154	246497	20.641	ng	99
53) 3-Nitroaniline	9.869	138	66539	20.623	ng	98
54) 2,4-Dinitrophenol	9.981	184	36453	20.453	ng	96
55) Dibenzofuran	10.122	168	348955	20.864	ng	98
56) 4-Nitrophenol	10.028	139	44352	19.003	ng	99
57) 2,4-Dinitrotoluene	10.104	165	81812	20.706	ng	98
58) Fluorene	10.463	166	263546	20.725	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73978	19.762	ng	97
60) Diethylphthalate	10.334	149	276008	20.535	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	149181	20.595	ng	99
62) 4-Nitroaniline	10.481	138	64484	20.987	ng	97
63) Azobenzene	10.616	77	252025	20.147	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	53585	20.307	ng	99
66) n-Nitrosodiphenylamine	10.575	169	246642	19.743	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	98958	19.959	ng	98
68) Hexachlorobenzene	11.016	284	118426	20.279	ng	94
69) Atrazine	11.098	200	83639	21.052	ng	98
70) Pentachlorophenol	11.210	266	55766	19.177	ng	99
71) Phenanthrene	11.433	178	382805	19.794	ng	99
72) Anthracene	11.481	178	399043	20.292	ng	98
73) Carbazole	11.639	167	342636	20.490	ng	99
74) Di-n-butylphthalate	11.963	149	418262	20.691	ng	100
75) Fluoranthene	12.622	202	408870	20.466	ng	99
77) Benzidine	12.745	184	130033	17.535	ng	100
78) Pyrene	12.851	202	408920	20.229	ng	99
80) Butylbenzylphthalate	13.469	149	137856	19.677	ng	99
81) Benzo(a)anthracene	14.045	228	333458	19.191	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	115478	19.389	ng	96
83) Chrysene	14.080	228	320726	19.995	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	189305	19.738	ng	100
85) Di-n-octyl phthalate	14.645	149	318841	19.268	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	430691	20.155	ng	99
88) Benzo(b)fluoranthene	15.104	252	331673	19.598	ng	100
89) Benzo(k)fluoranthene	15.133	252	322479	20.358	ng	98
90) Benzo(a)pyrene	15.474	252	314894	20.169	ng	97
91) Dibenzo(a,h)anthracene	17.057	278	349788	20.383	ng	99
92) Benzo(g,h,i)perylene	17.498	276	343144	20.248	ng	99

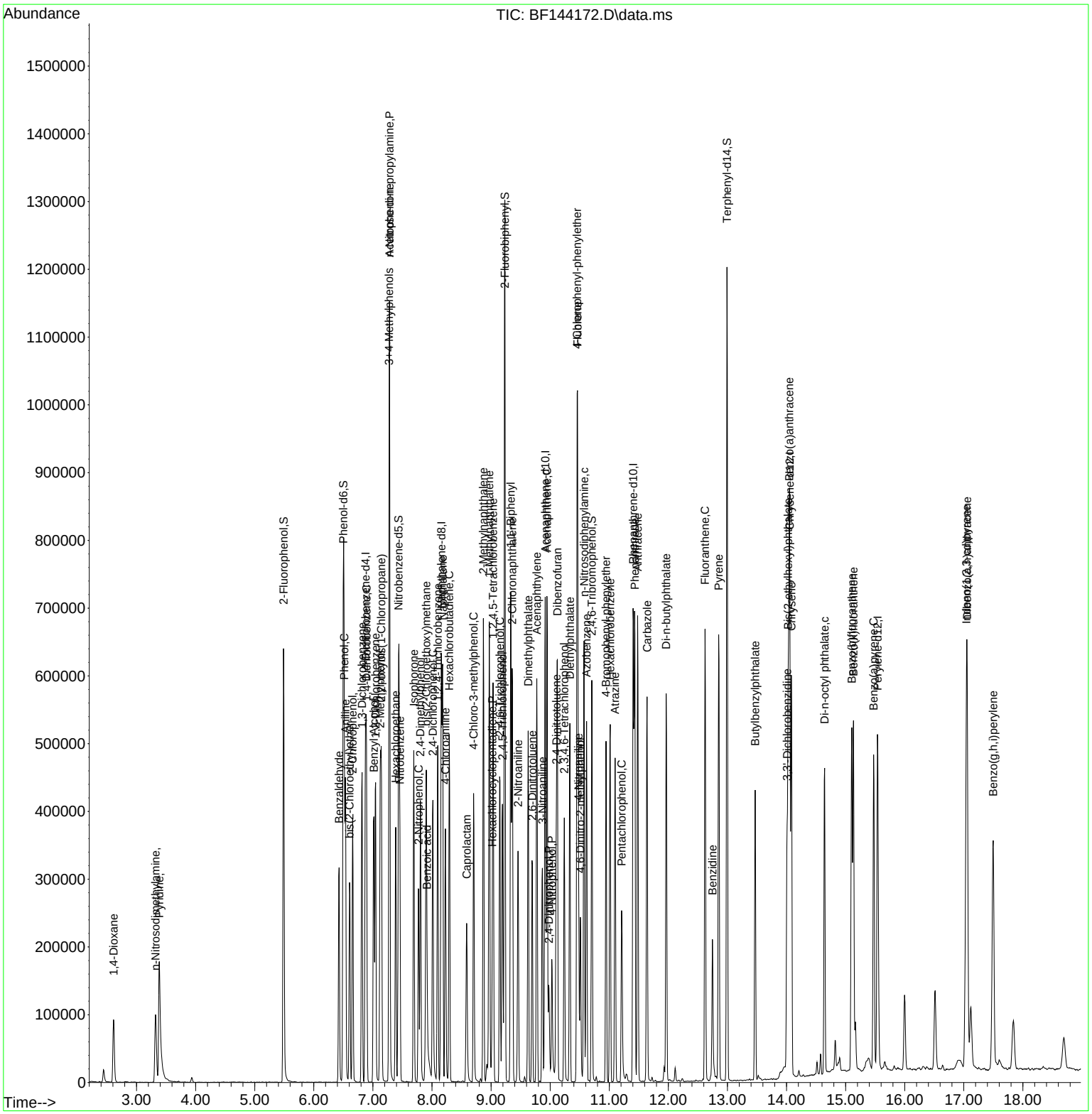
(#) = qualifier out of range (m) = manual integration (+) = signals summed

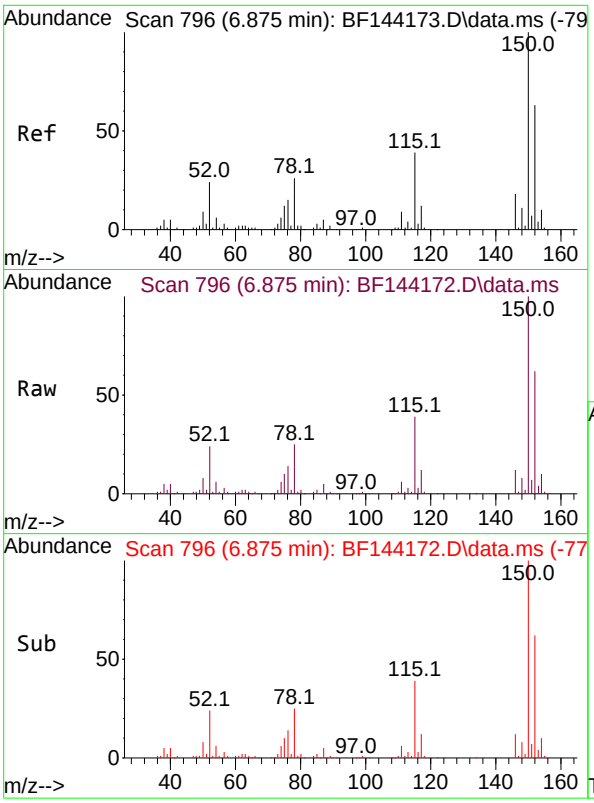
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144172.D
Acq On : 05 Nov 2025 14:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



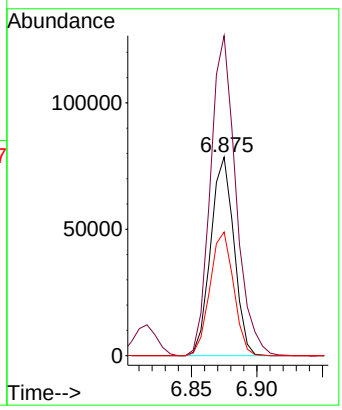


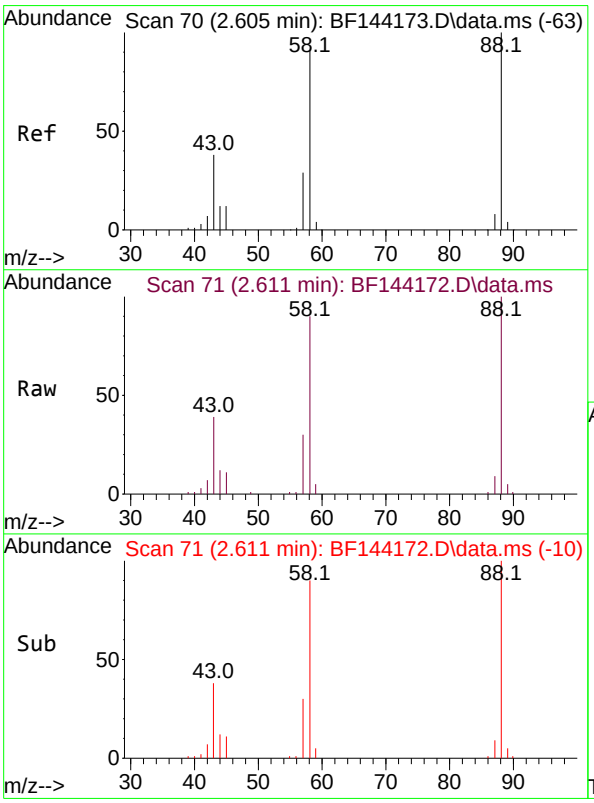
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 97055

Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.4	191.0
115	62.2	49.5	74.3

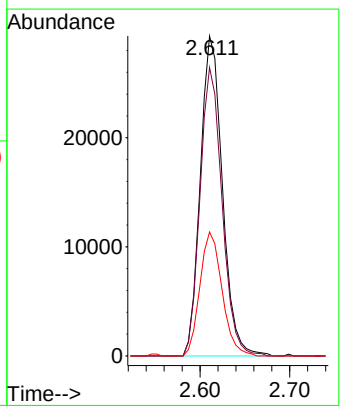


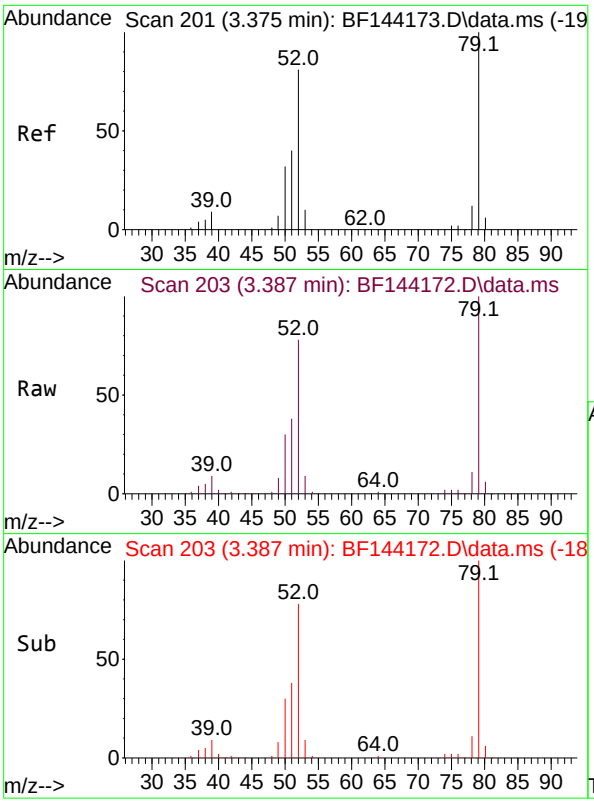


#2
1,4-Dioxane
Concen: 19.624 ng
RT: 2.611 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 88 Resp: 50319

Ion	Ratio	Lower	Upper
88	100		
58	89.7	73.1	109.7
43	38.8	31.0	46.6



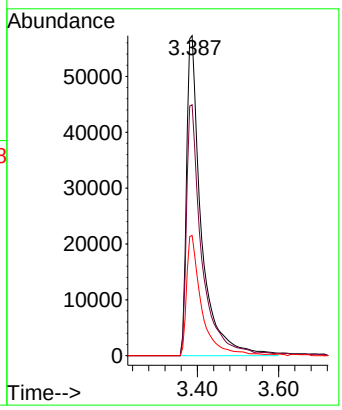


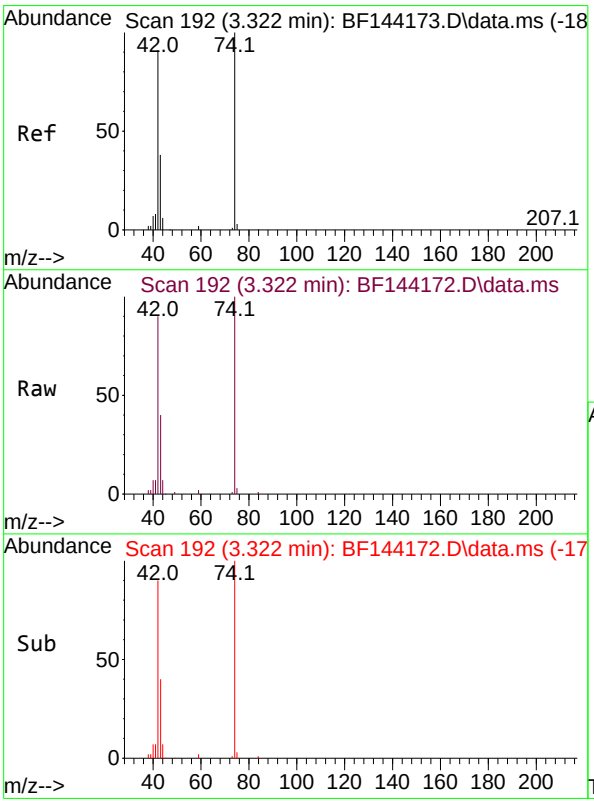
#3
Pyridine
Concen: 20.230 ng
RT: 3.387 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 144716

Ion	Ratio	Lower	Upper
79	100		
52	78.4	64.5	96.7
51	37.5	31.7	47.5

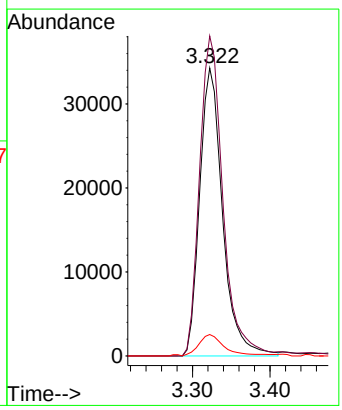


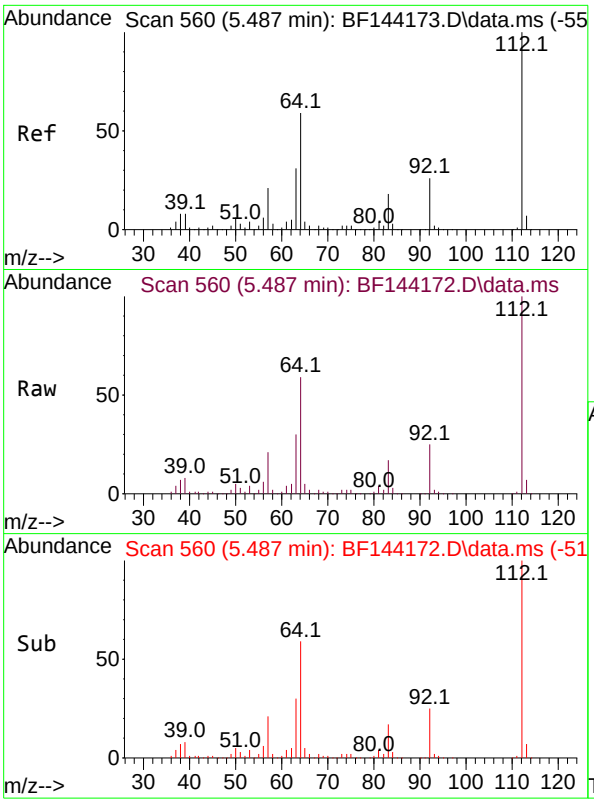


#4
n-Nitrosodimethylamine
Concen: 18.860 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 42 Resp: 70474

Ion	Ratio	Lower	Upper
42	100		
74	111.1	88.2	132.4
44	7.4	5.7	8.5



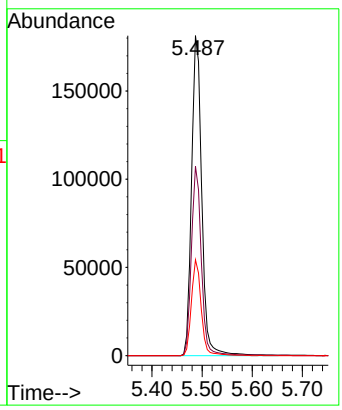


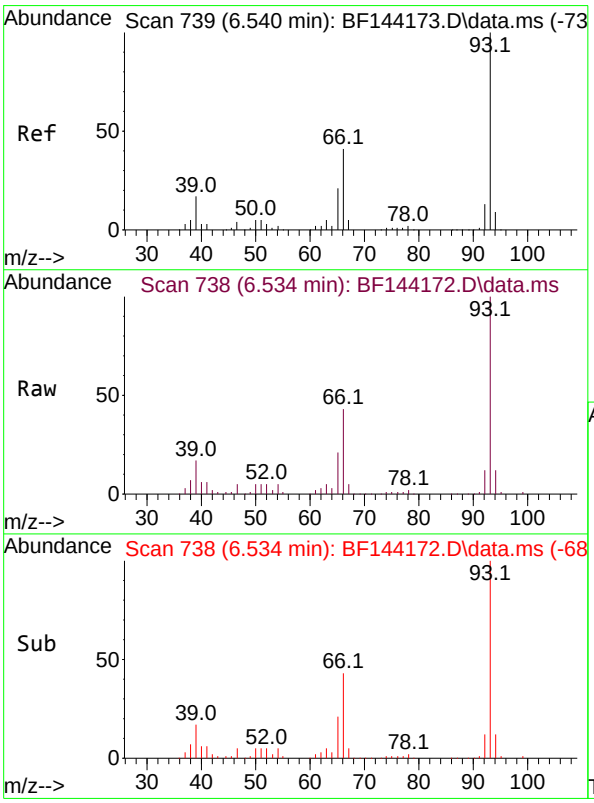
#5
2-Fluorophenol
Concen: 41.191 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 255468

Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.2	70.8
63	29.9	24.4	36.6

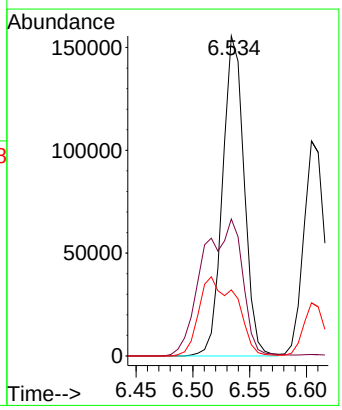


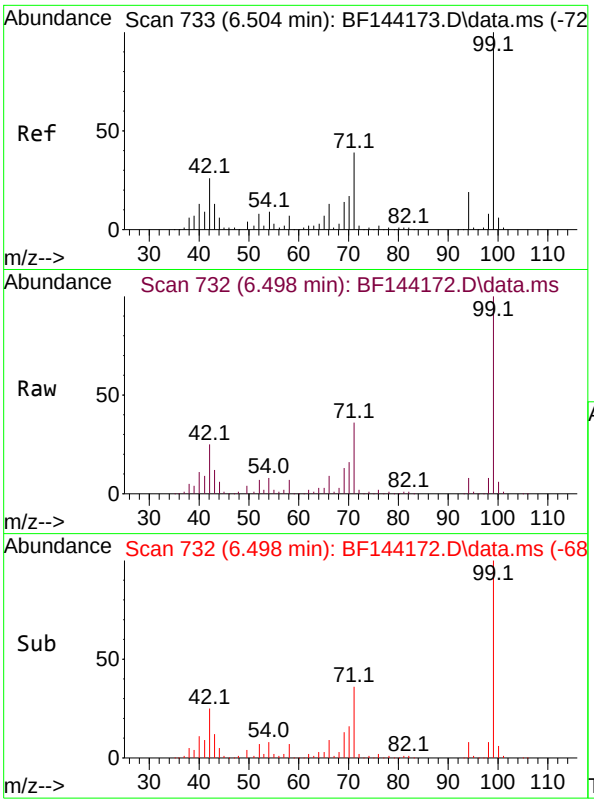


#6
Aniline
Concen: 20.492 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 93 Resp: 205178

Ion	Ratio	Lower	Upper
93	100		
66	42.8	34.3	51.5
65	20.6	16.9	25.3



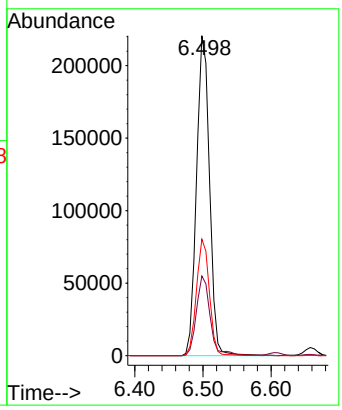


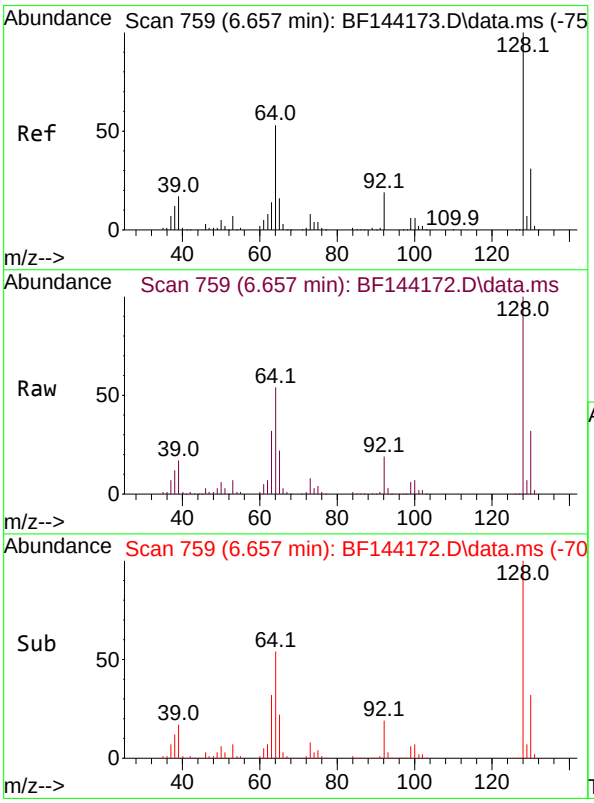
#7
Phenol-d6
Concen: 41.742 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 293338

Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.9	31.3
71	36.4	31.4	47.2

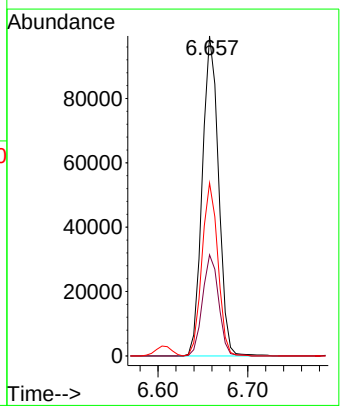


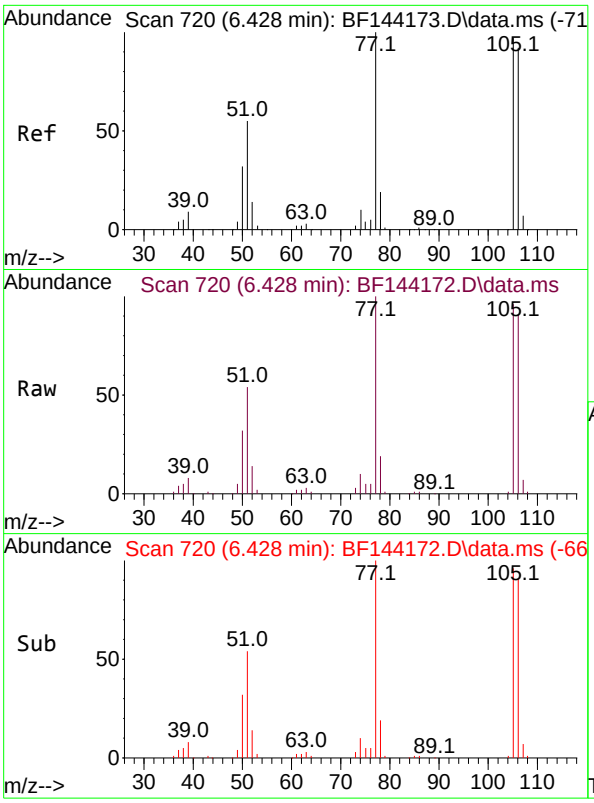


#8
2-Chlorophenol
Concen: 20.624 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:128 Resp: 125443

Ion	Ratio	Lower	Upper
128	100		
130	31.6	10.5	50.5
64	54.0	33.2	73.2



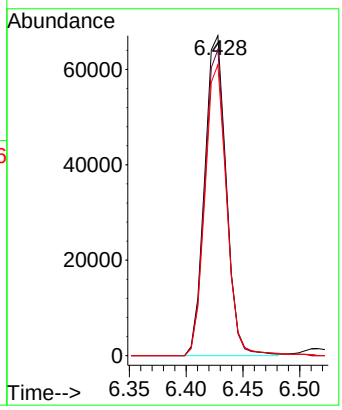


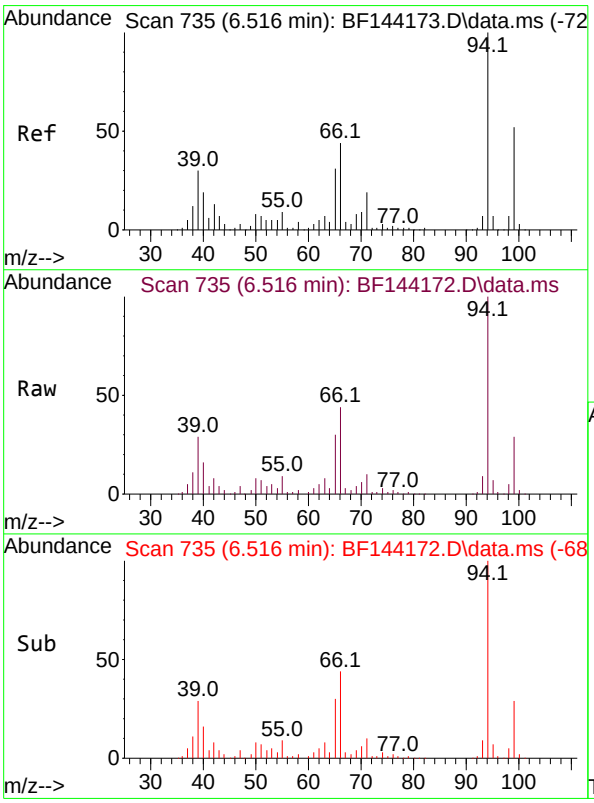
#9
Benzaldehyde
Concen: 22.422 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 88978

Ion	Ratio	Lower	Upper
77	100		
105	95.6	77.2	117.2
106	90.9	72.2	112.2

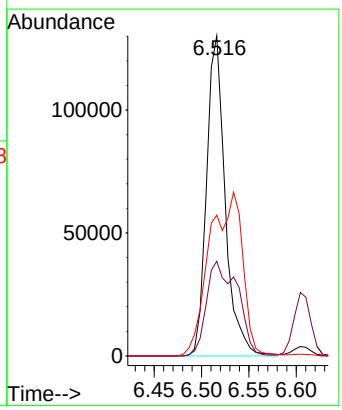


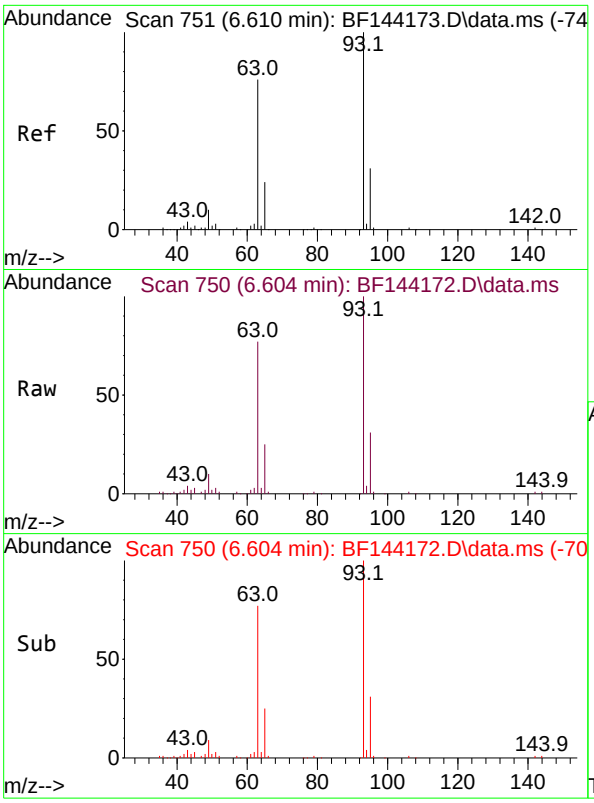


#10
Phenol
Concen: 20.797 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 94 Resp: 178562

Ion	Ratio	Lower	Upper
94	100		
65	29.6	10.8	50.8
66	44.0	24.3	64.3



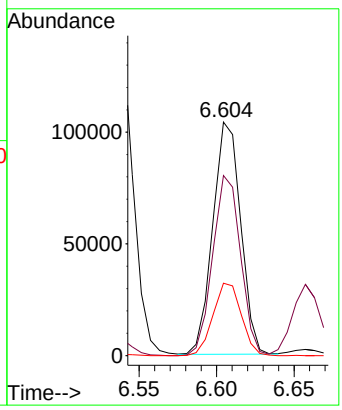


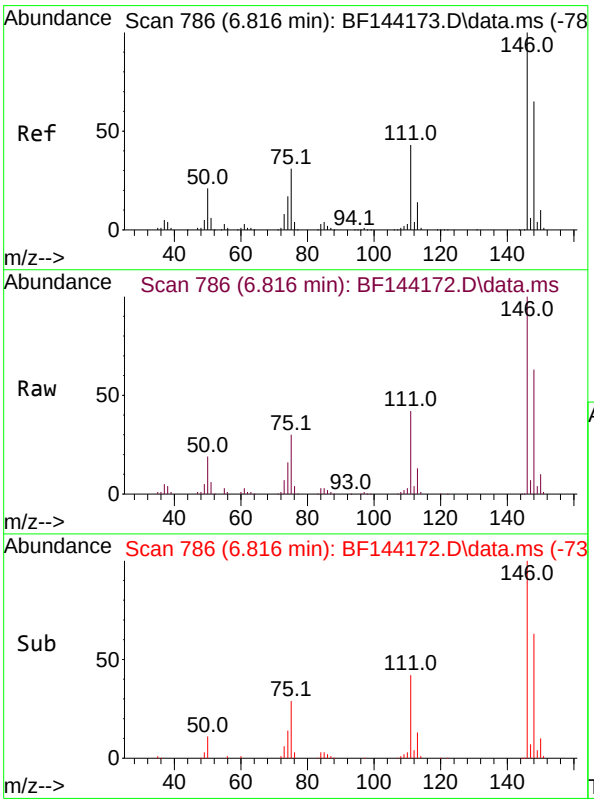
#11
bis(2-Chloroethyl)ether
Concen: 20.814 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 130219

Ion	Ratio	Lower	Upper
93	100		
63	77.1	55.2	95.2
95	31.0	11.2	51.2

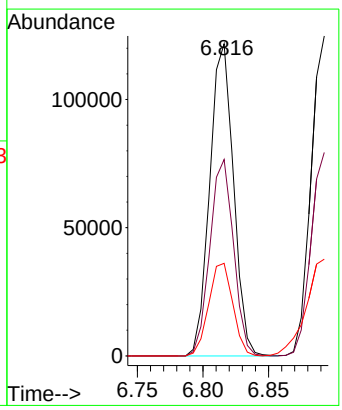


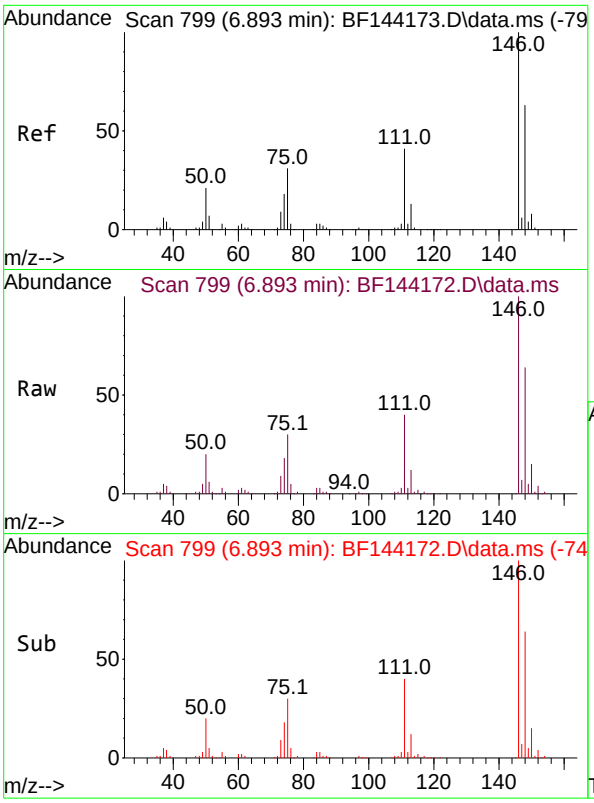


#12
1,3-Dichlorobenzene
Concen: 20.476 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:146 Resp: 153679

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.8	77.8
75	29.7	25.0	37.4



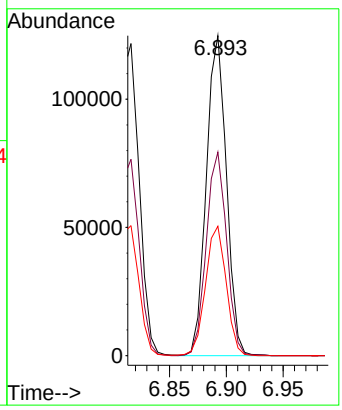


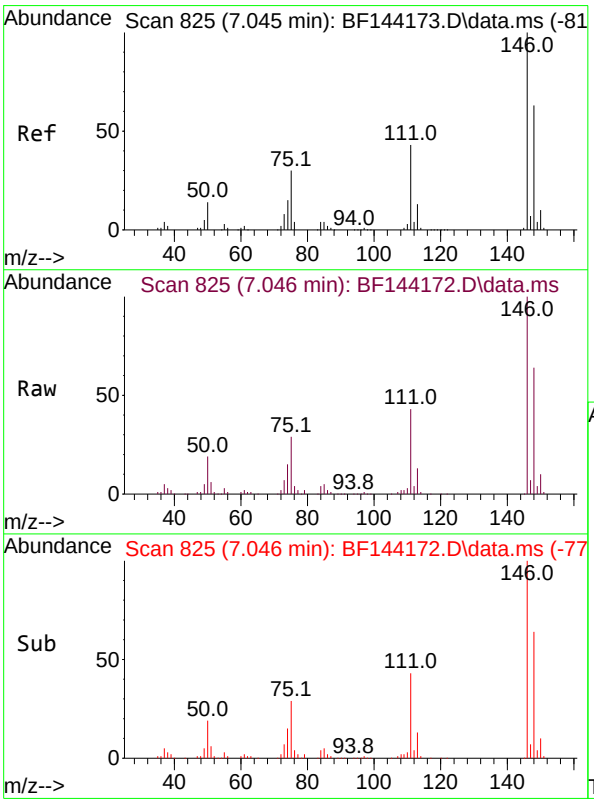
#13
1,4-Dichlorobenzene
Concen: 20.435 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 153656

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.2
111	40.4	32.6	48.8

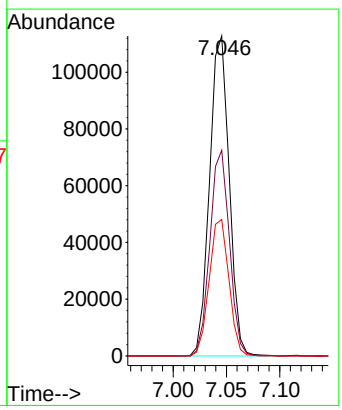


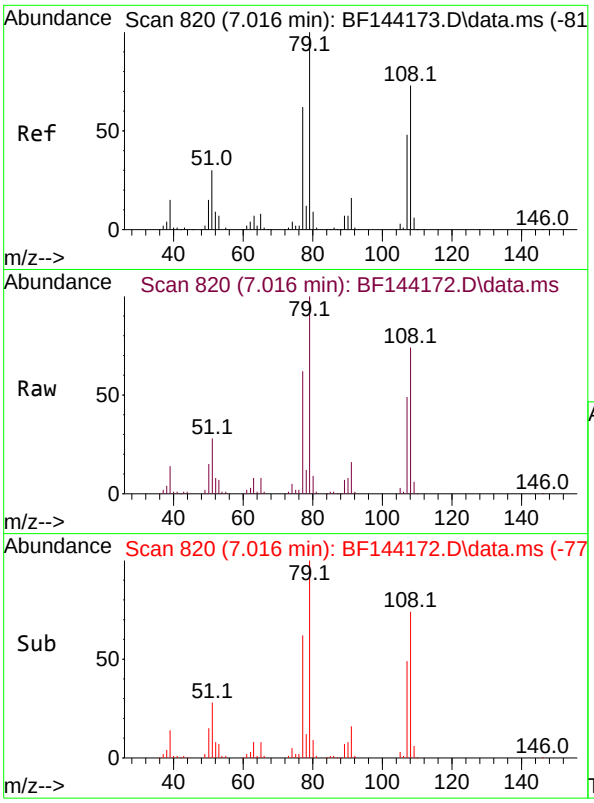


#14
1,2-Dichlorobenzene
Concen: 20.042 ng
RT: 7.046 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:146 Resp: 144447

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.7	76.1
111	42.6	34.2	51.4



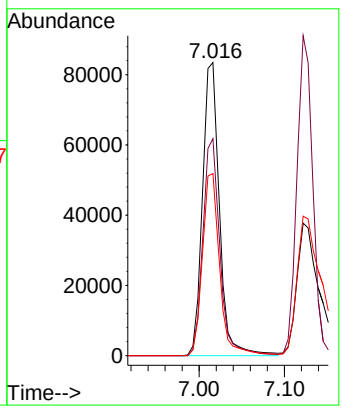


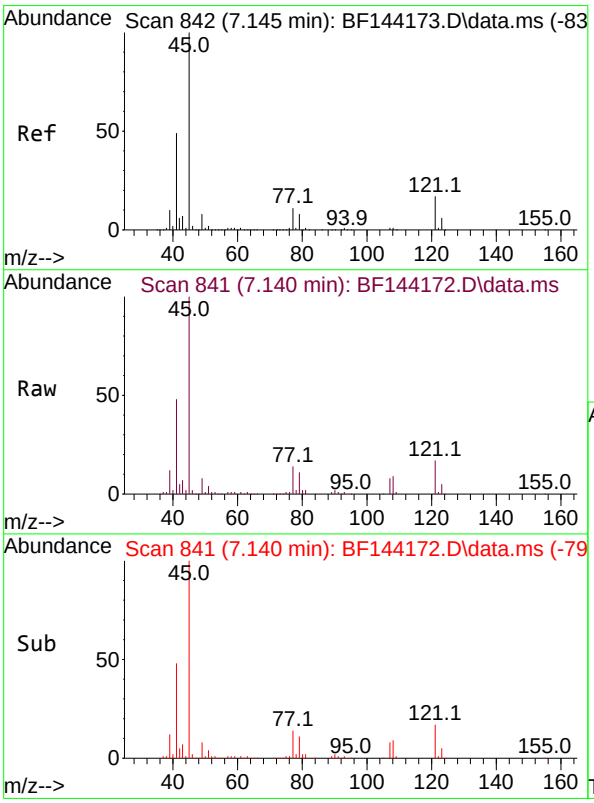
#15
Benzyl Alcohol
Concen: 20.726 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 115331

Ion	Ratio	Lower	Upper
79	100		
108	74.0	58.2	87.4
77	62.1	49.9	74.9

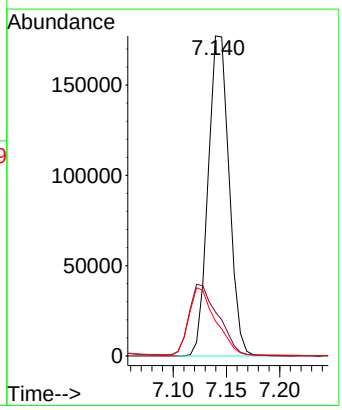


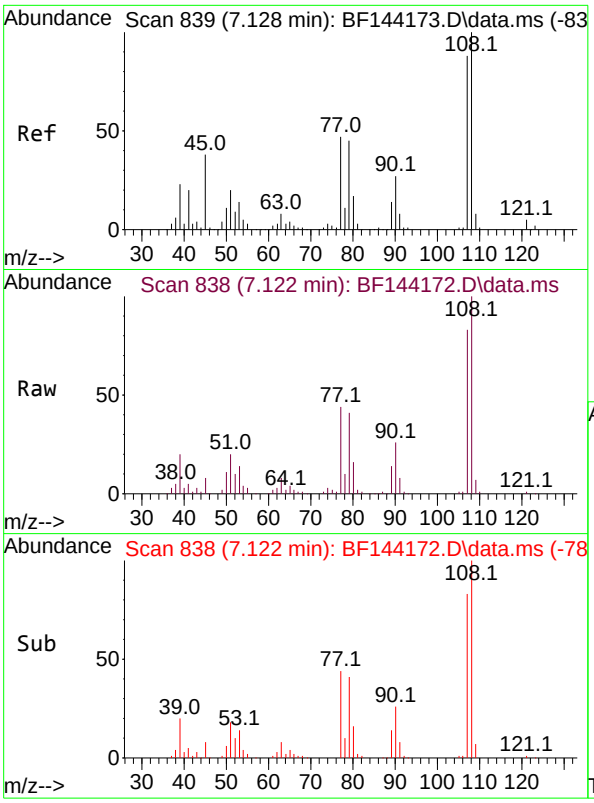


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.029 ng
RT: 7.140 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 45 Resp: 242281

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	31.8
79	10.9	0.0	29.1



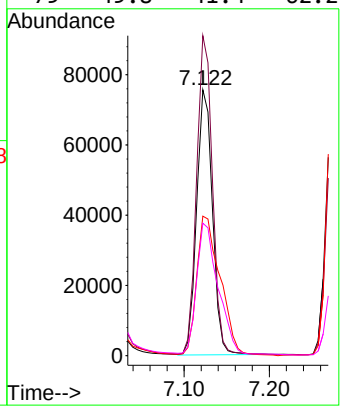


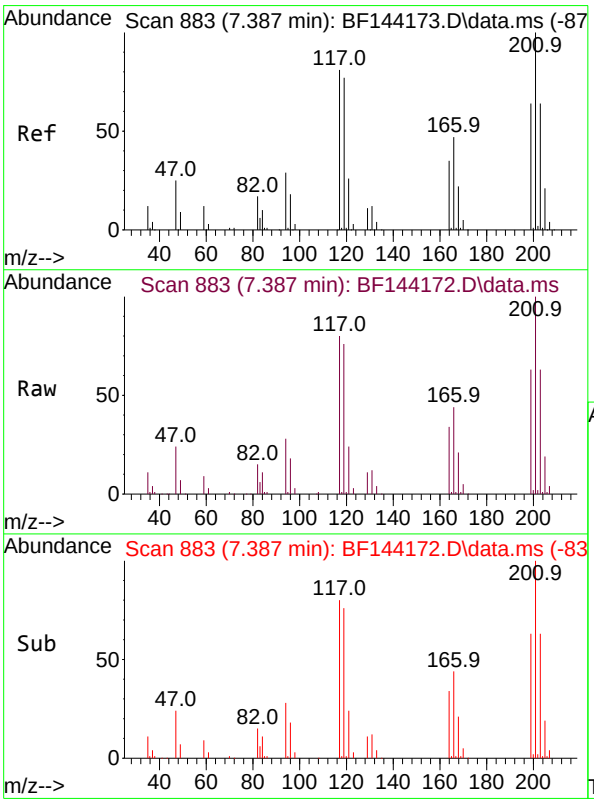
#17
2-Methylphenol
Concen: 20.196 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 97725

Ion	Ratio	Lower	Upper
107	100		
108	120.4	91.0	136.4
77	52.4	42.7	64.1
79	49.8	41.4	62.2

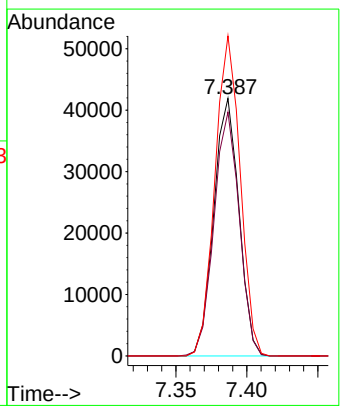


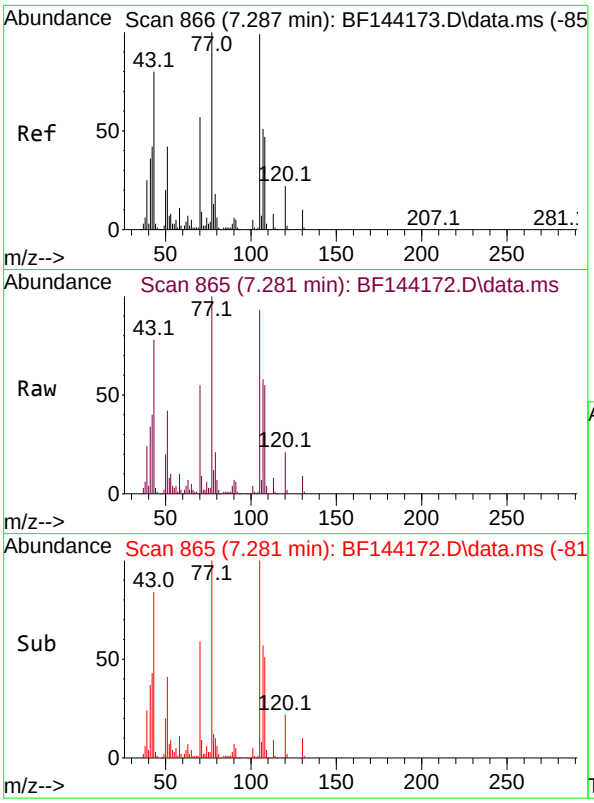


#18
Hexachloroethane
Concen: 20.675 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:117 Resp: 51648

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	124.3	98.9	148.3



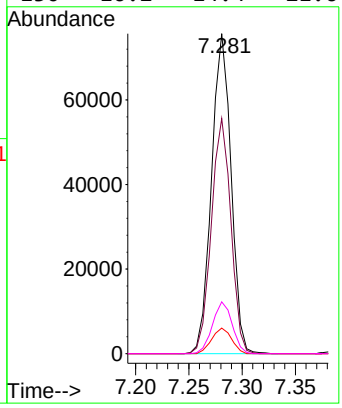


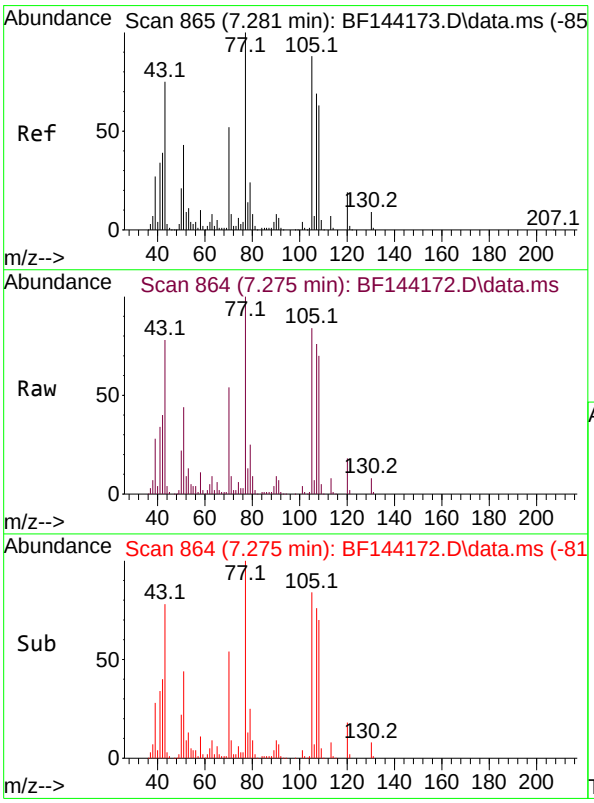
#19
n-Nitroso-di-n-propylamine
Concen: 20.897 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 96676

Ion	Ratio	Lower	Upper
70	100		
42	73.5	58.3	87.5
101	8.0	7.0	10.6
130	16.2	14.4	21.6

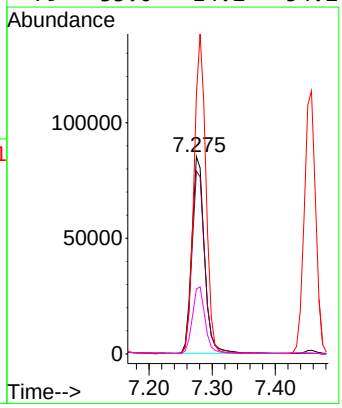


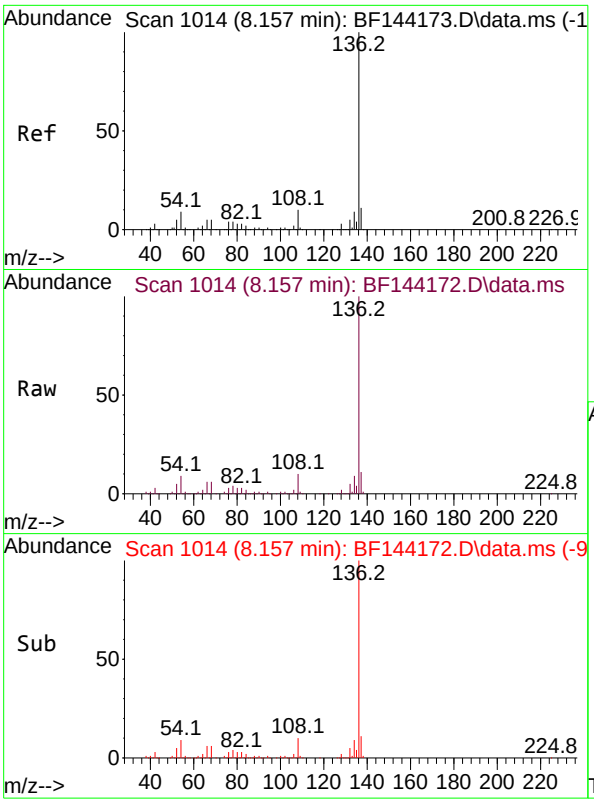


#20
3+4-Methylphenols
Concen: 20.804 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:107 Resp: 118666

Ion	Ratio	Lower	Upper
107	100		
108	92.5	70.2	110.2
77	131.8	123.9	163.9
79	33.0	14.2	54.2



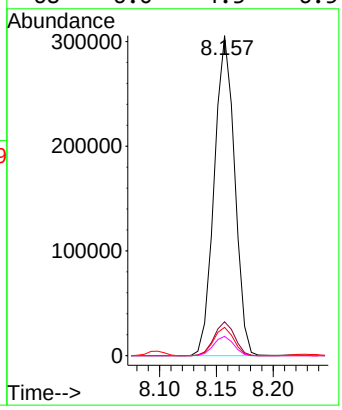


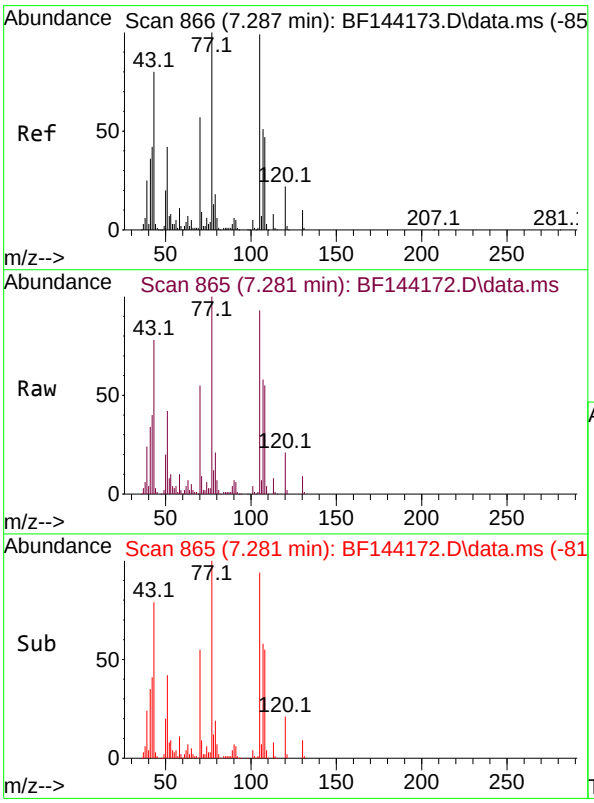
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 380834

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.8	7.0	10.6
68	6.0	4.3	6.5

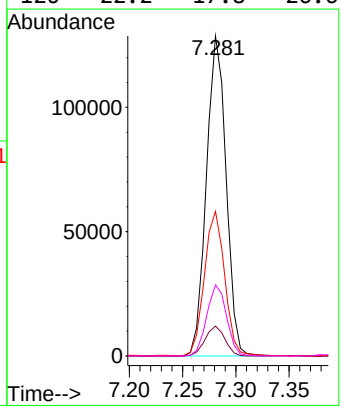


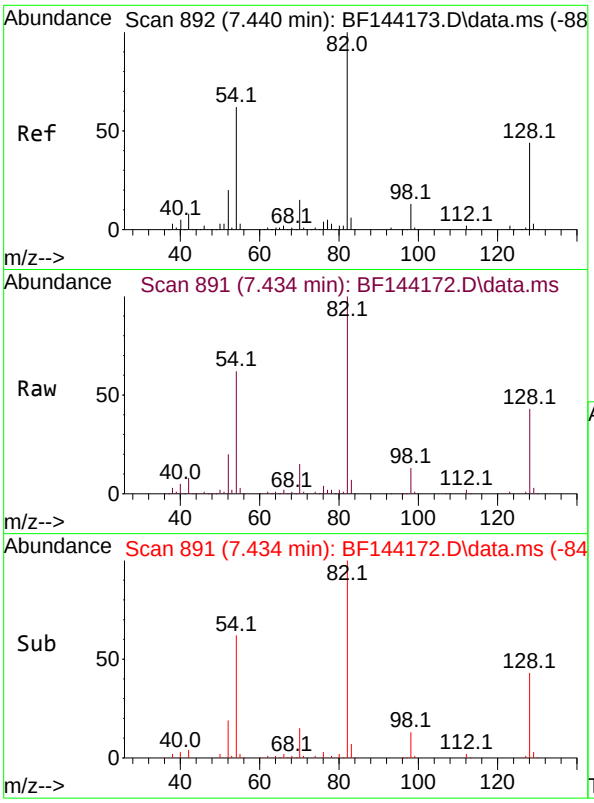


#22
Acetophenone
Concen: 20.242 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:105 Resp: 165374

Ion	Ratio	Lower	Upper
105	100		
71	9.3	7.2	10.8
51	45.2	34.0	51.0
120	22.2	17.8	26.6



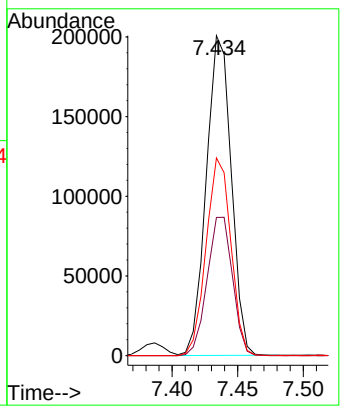


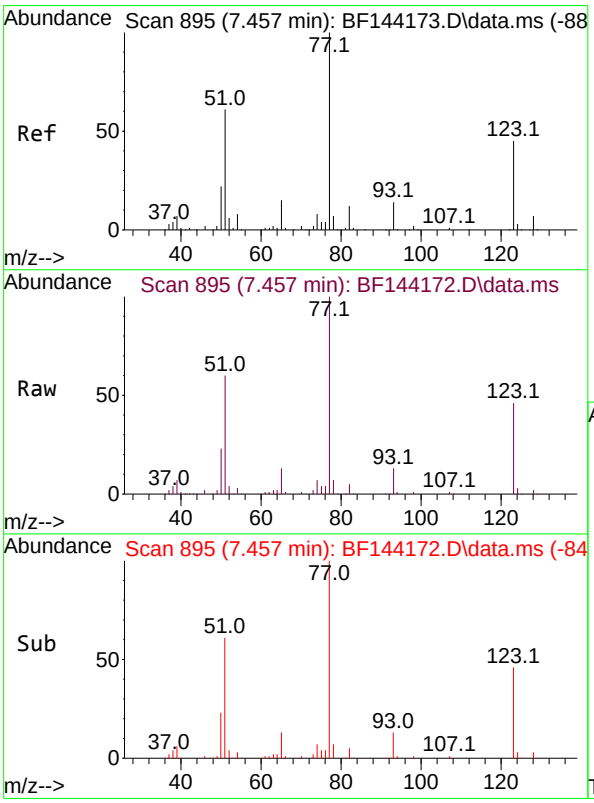
#23
Nitrobenzene-d5
Concen: 40.287 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 265652

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.7	52.1
54	61.8	49.5	74.3

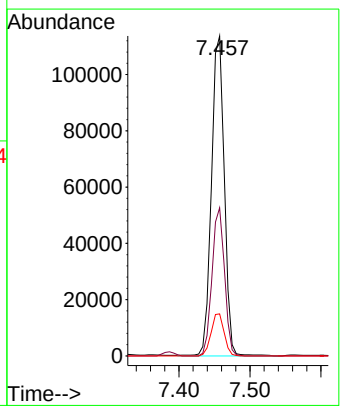


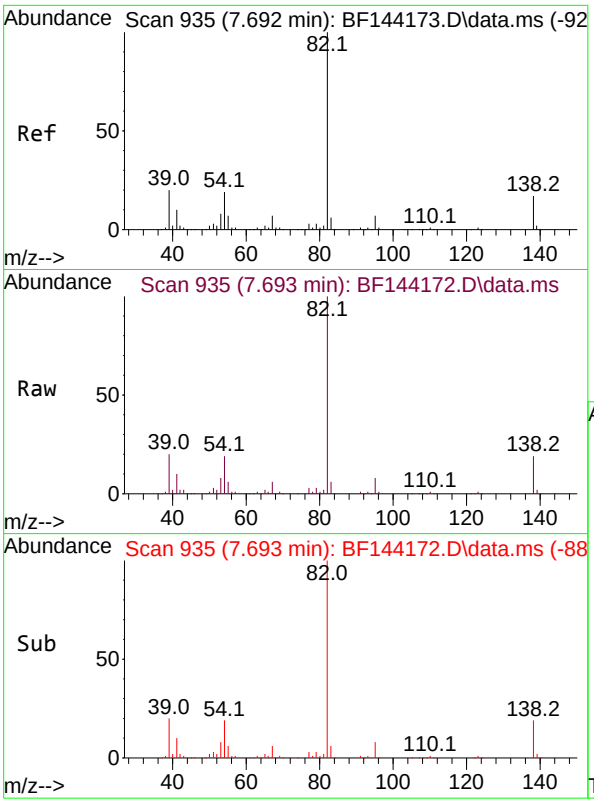


#24
Nitrobenzene
Concen: 20.000 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 77 Resp: 143192

Ion	Ratio	Lower	Upper
77	100		
123	46.3	35.8	53.8
65	13.2	12.2	18.2



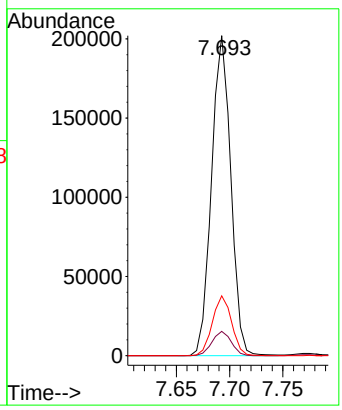


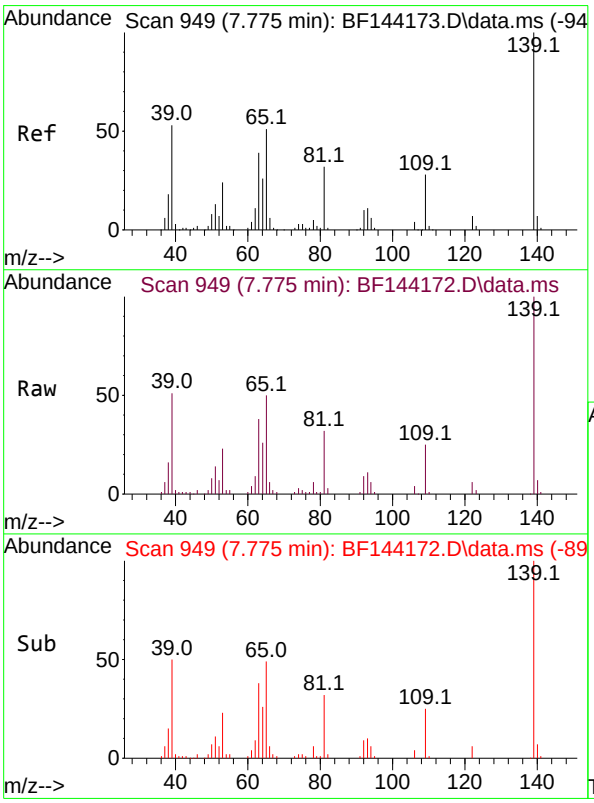
#25
Isophorone
Concen: 20.434 ng
RT: 7.693 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 254863

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.5	8.3
138	18.7	13.7	20.5

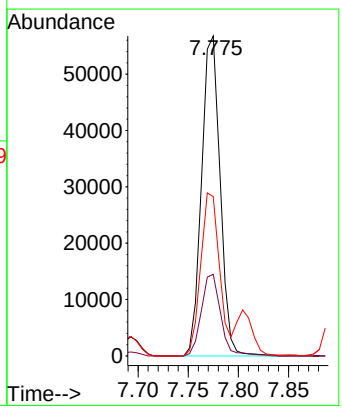


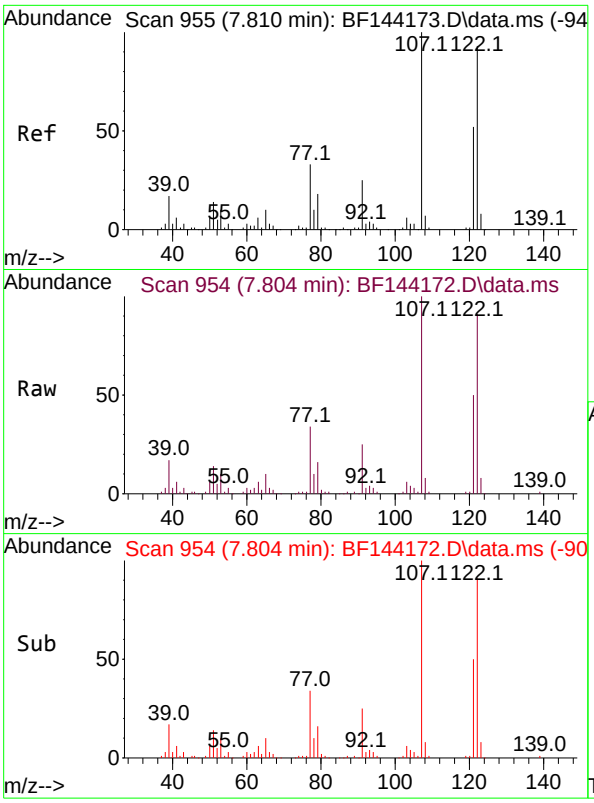


#26
2-Nitrophenol
Concen: 20.572 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:139 Resp: 72909

Ion	Ratio	Lower	Upper
139	100		
109	25.5	22.2	33.2
65	49.8	40.7	61.1



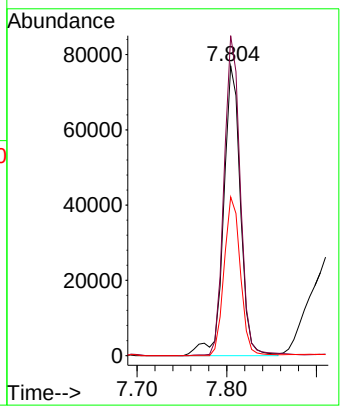


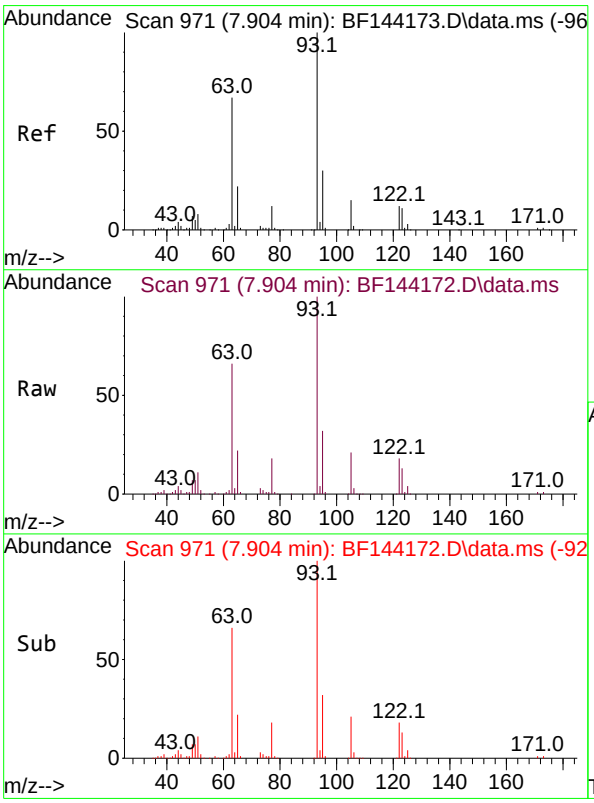
#27
2,4-Dimethylphenol
Concen: 18.981 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 100827

Ion	Ratio	Lower	Upper
122	100		
107	110.4	86.2	129.4
121	54.8	44.6	66.8

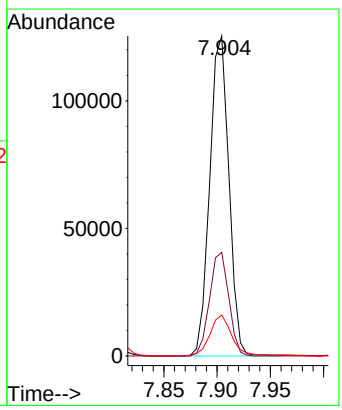


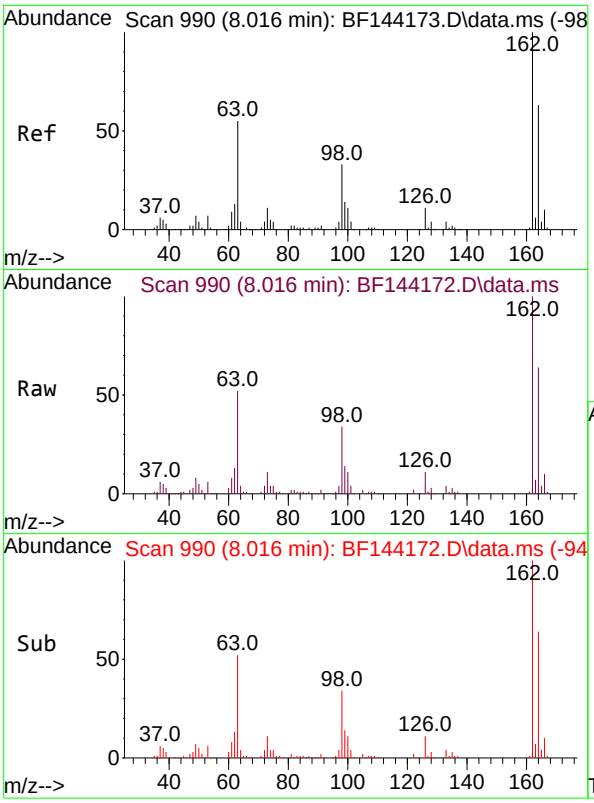


#28
bis(2-Chloroethoxy)methane
Concen: 20.161 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 93 Resp: 157029

Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.2	36.4
123	12.8	9.0	13.4



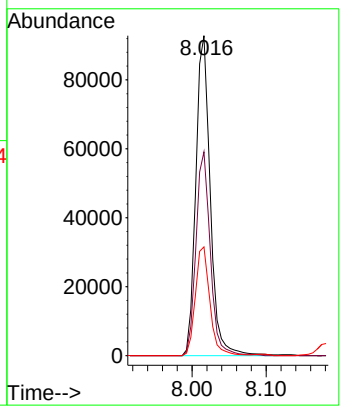


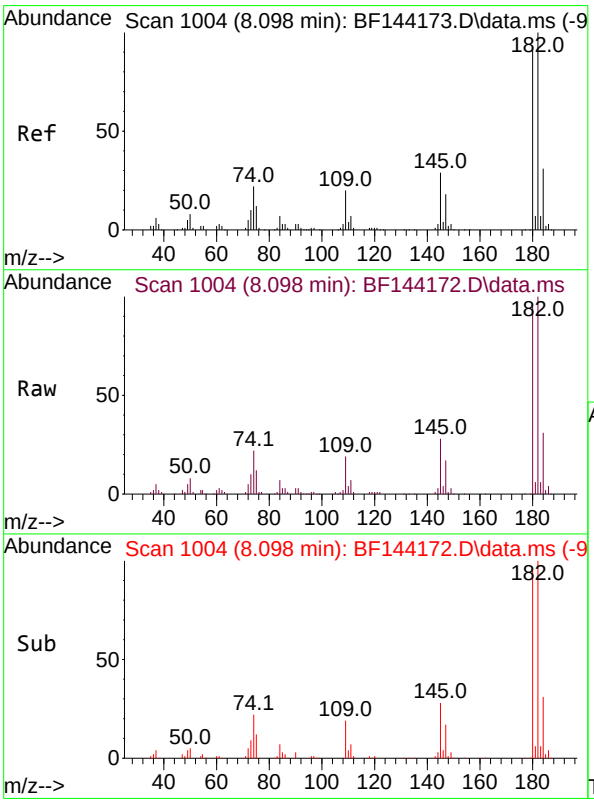
#29
2,4-Dichlorophenol
Concen: 20.548 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 125803

Ion	Ratio	Lower	Upper
162	100		
164	63.7	42.9	82.9
98	34.0	13.3	53.3

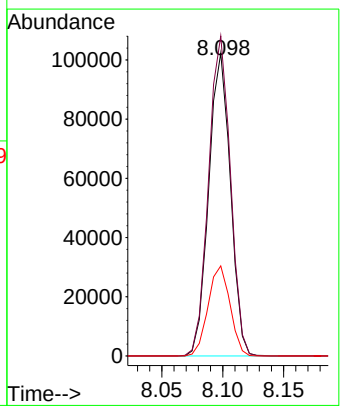


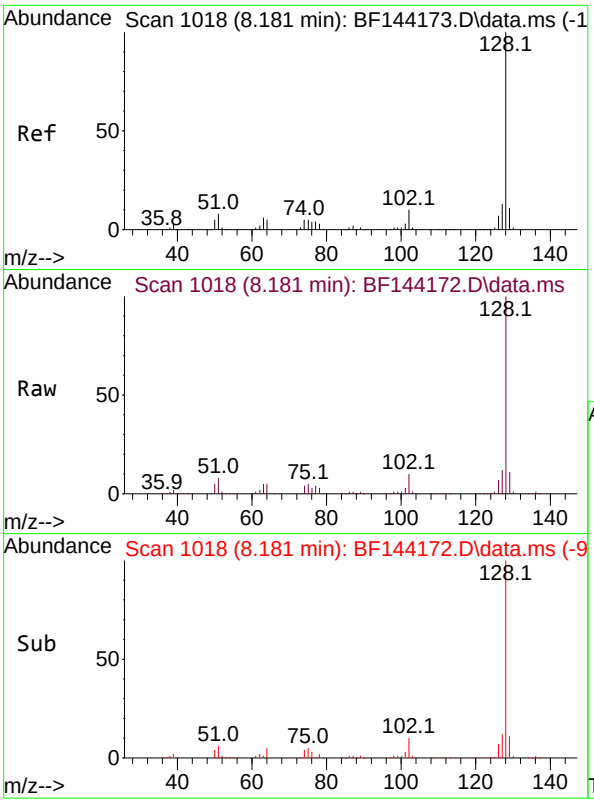


#30
1,2,4-Trichlorobenzene
Concen: 20.106 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:180 Resp: 126402

Ion	Ratio	Lower	Upper
180	100		
182	105.7	87.7	131.5
145	29.7	25.4	38.0



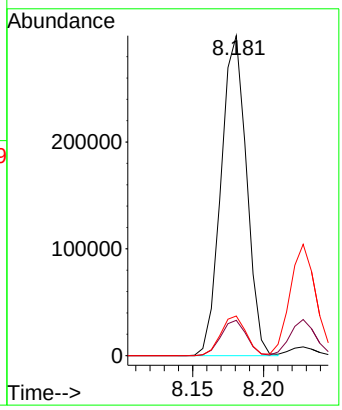


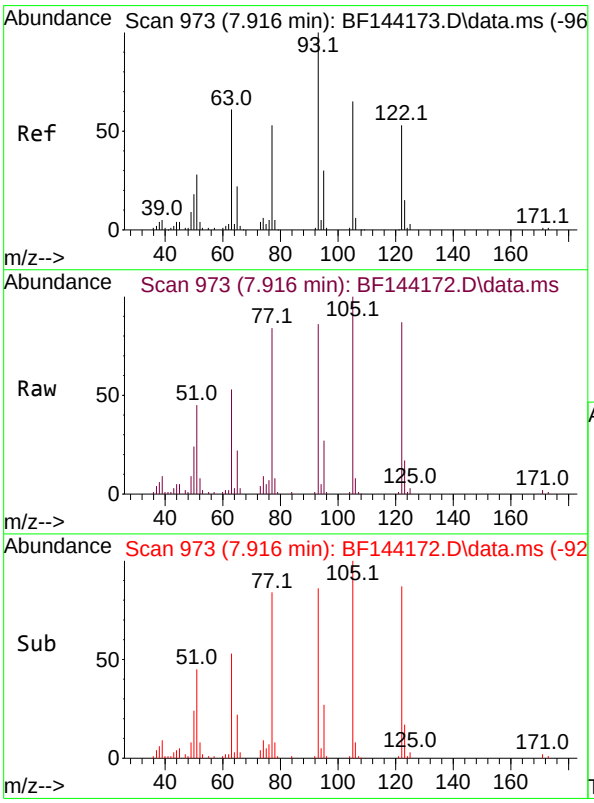
#31
Naphthalene
Concen: 20.643 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 373973

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.4	10.3	15.5

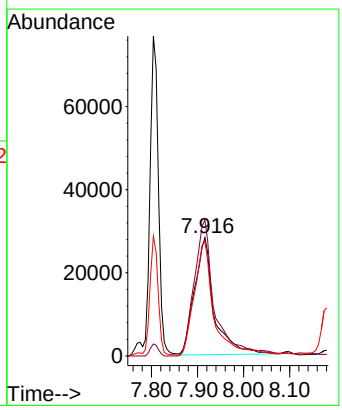


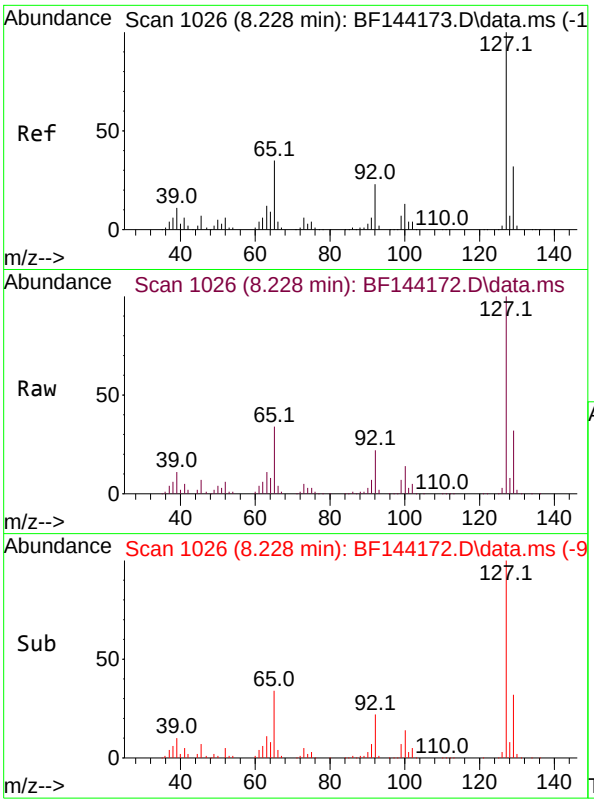


#32
Benzoic acid
Concen: 21.522 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:122 Resp: 83801

Ion	Ratio	Lower	Upper
122	100		
105	114.8	99.9	139.9
77	96.8	77.5	117.5



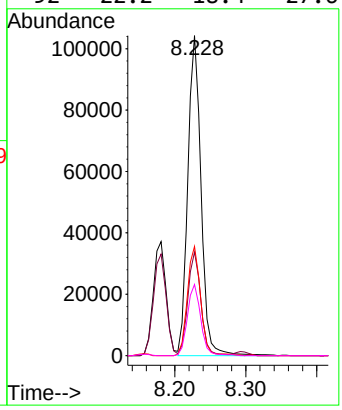


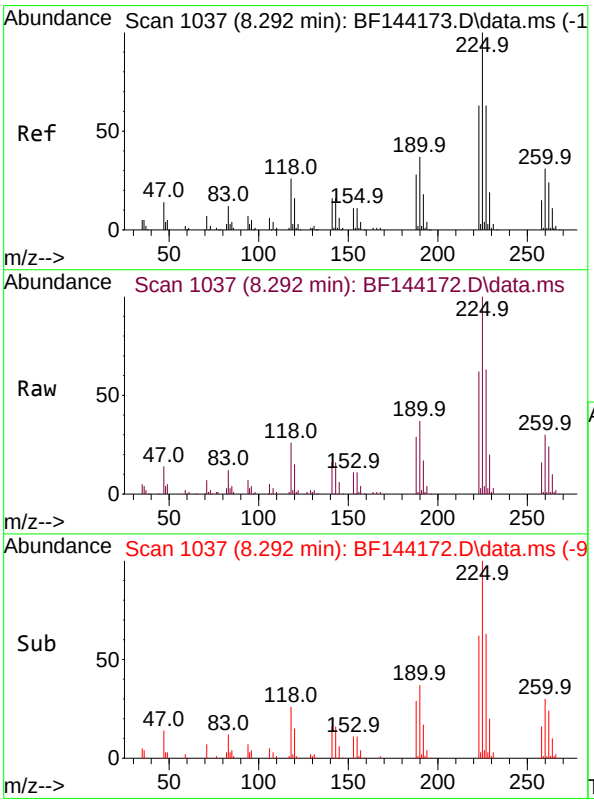
#33
4-Chloroaniline
Concen: 20.474 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 135273

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.3	37.9
65	34.1	27.6	41.4
92	22.2	18.4	27.6

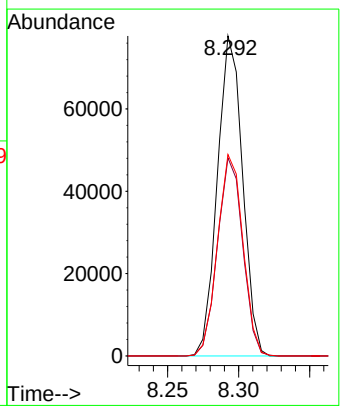


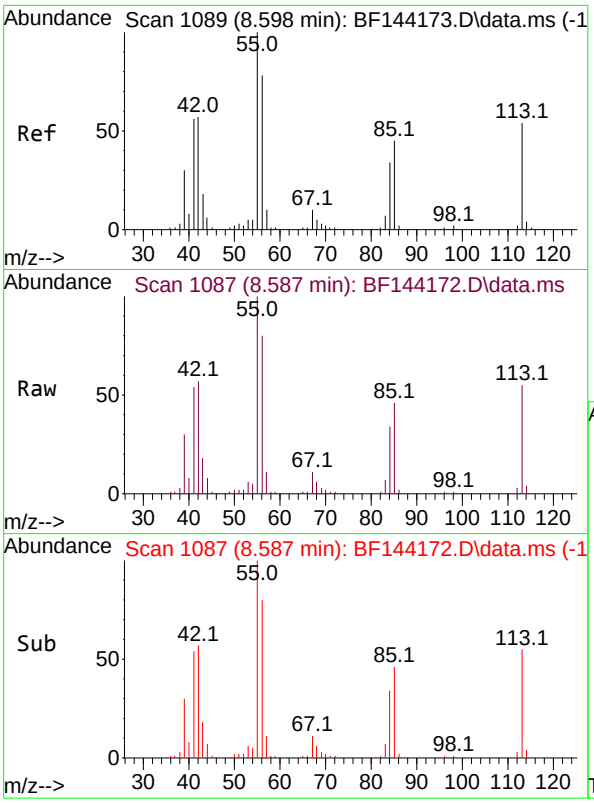


#34
Hexachlorobutadiene
Concen: 20.255 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:225 Resp: 95971

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.4
227	62.9	50.1	75.1



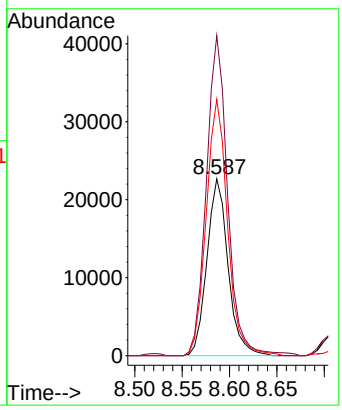


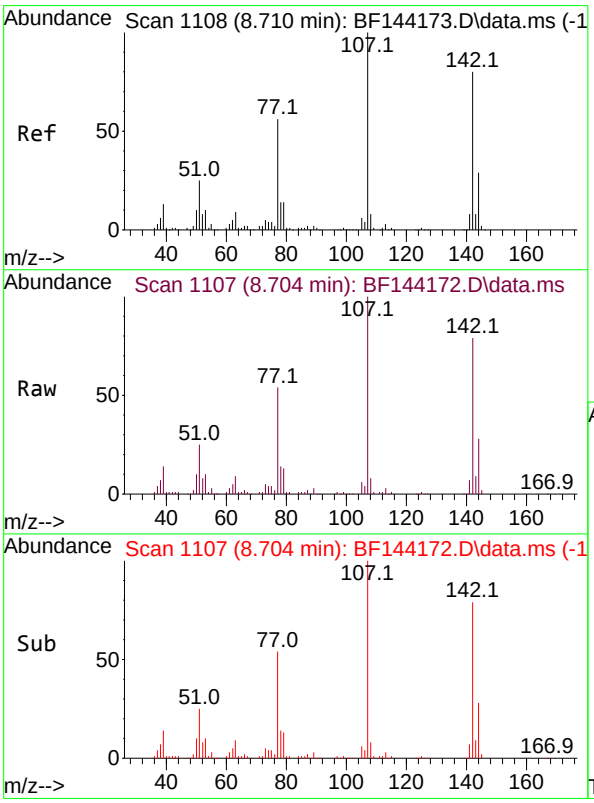
#35
Caprolactam
Concen: 21.028 ng
RT: 8.587 min Scan# 10
Delta R.T. -0.035 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 35272

Ion	Ratio	Lower	Upper
113	100		
55	181.1	166.8	206.8
56	145.1	125.9	165.9

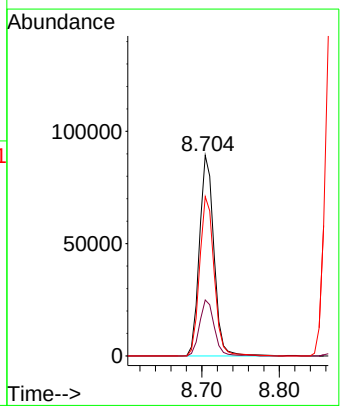


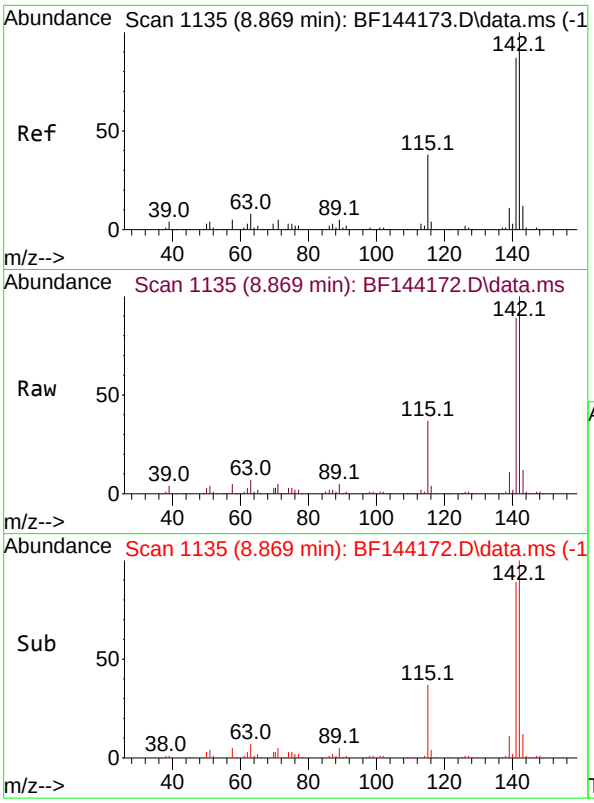


#36
4-Chloro-3-methylphenol
Concen: 21.069 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:107 Resp: 115603

Ion	Ratio	Lower	Upper
107	100		
144	27.9	23.3	34.9
142	79.4	63.8	95.6



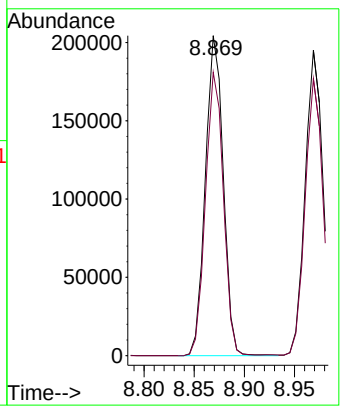


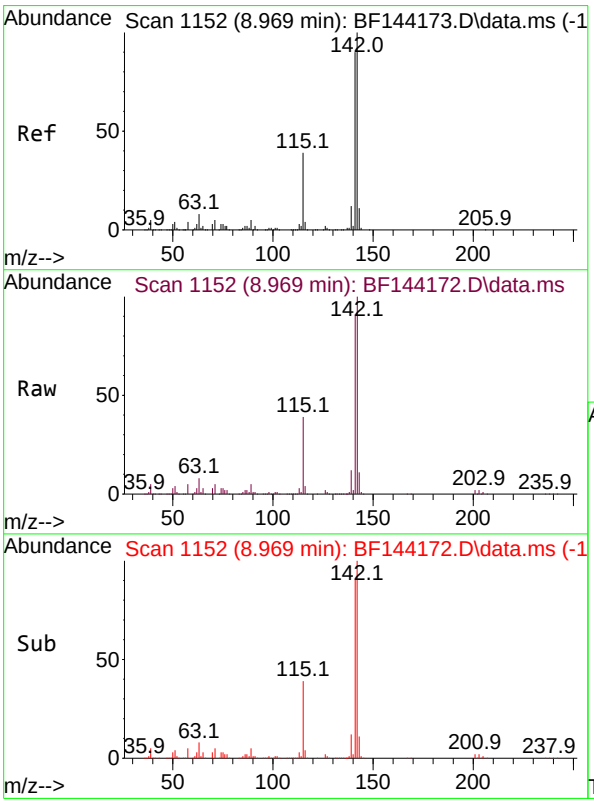
#37
2-Methylnaphthalene
Concen: 20.905 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 253201

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.9	104.9

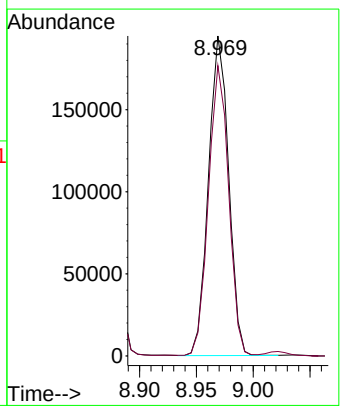


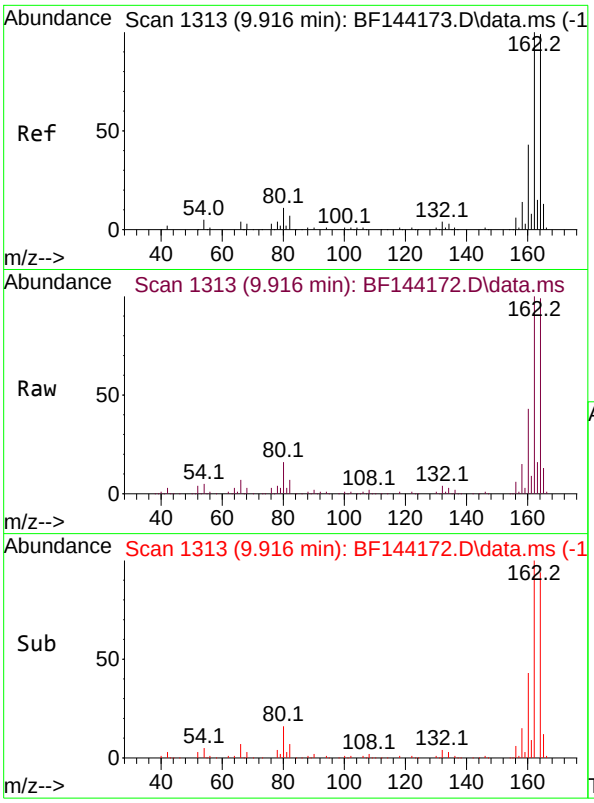


#38
1-Methylnaphthalene
Concen: 20.588 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:142 Resp: 240612

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1



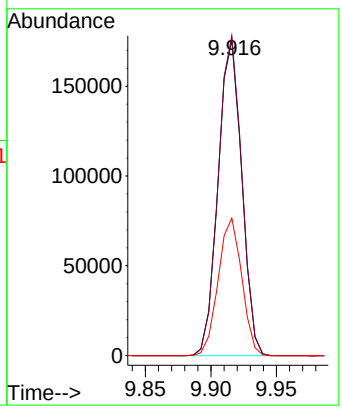


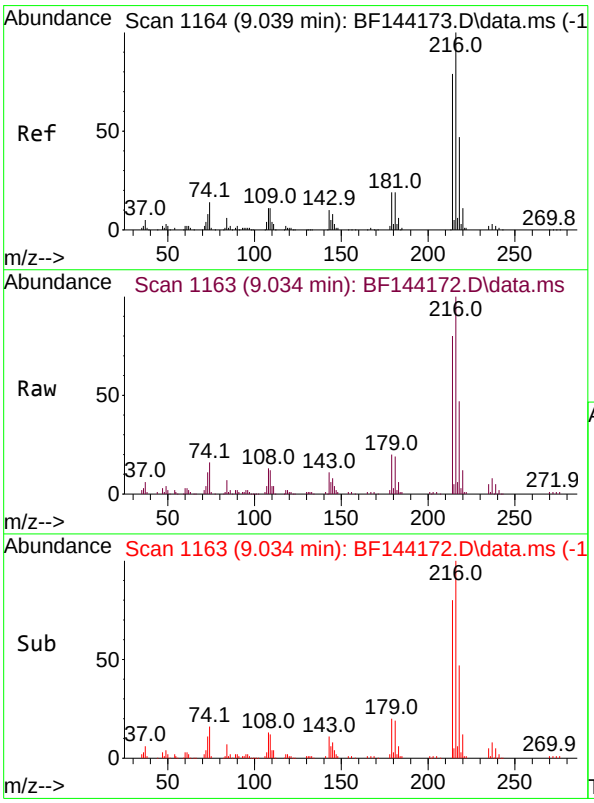
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 220087

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	43.6	34.5	51.7

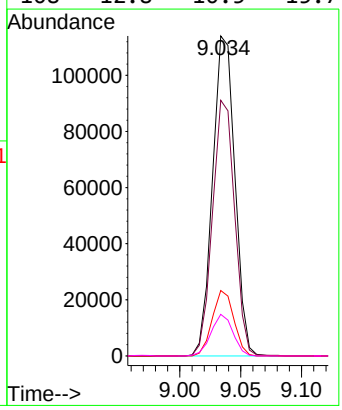


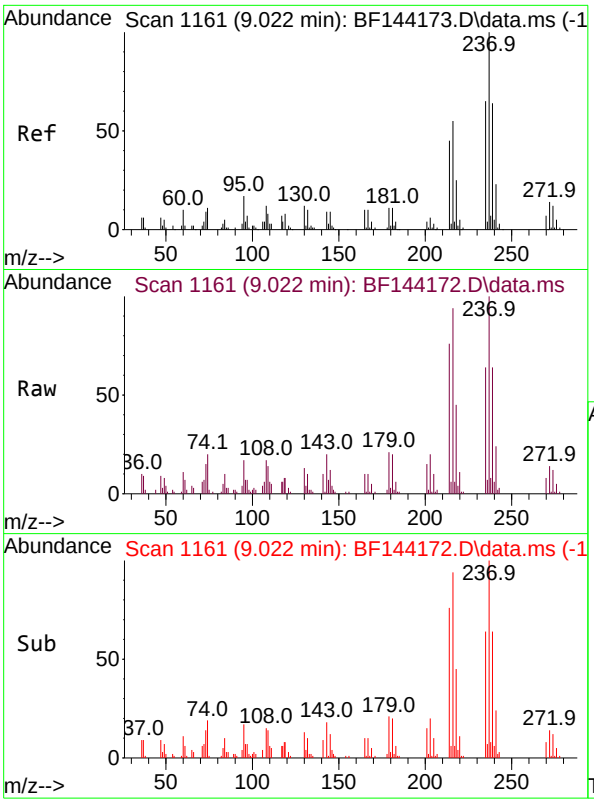


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.100 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:216 Resp: 144980

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	19.8	15.0	22.4
108	12.8	10.5	15.7



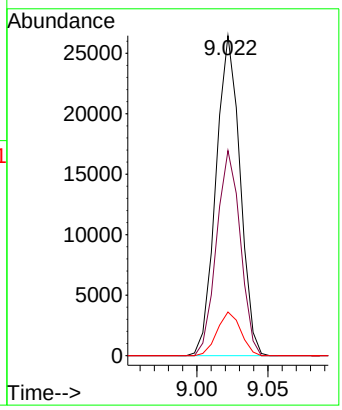


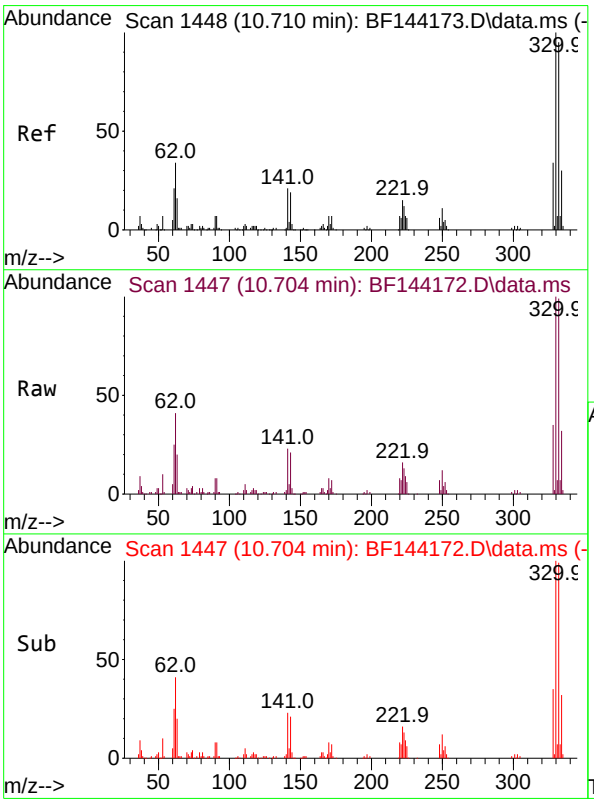
#41
Hexachlorocyclopentadiene
Concen: 18.527 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 31247

Ion	Ratio	Lower	Upper
237	100		
235	64.1	45.5	85.5
272	13.6	0.0	33.5

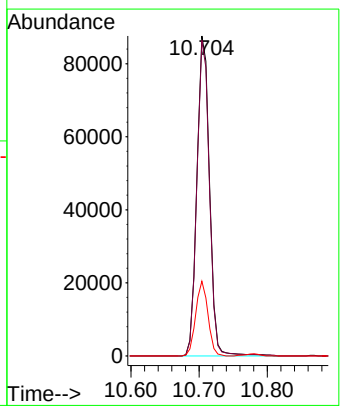


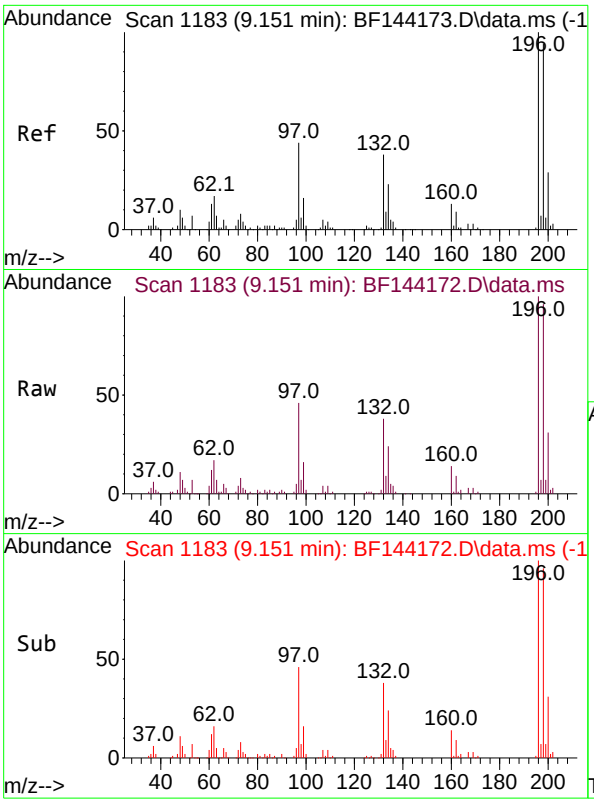


#42
2,4,6-Tribromophenol
Concen: 40.889 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:330 Resp: 112928

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	22.6	17.8	26.8



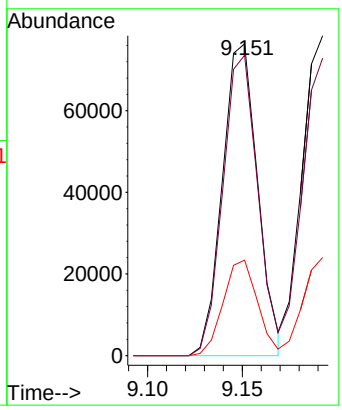


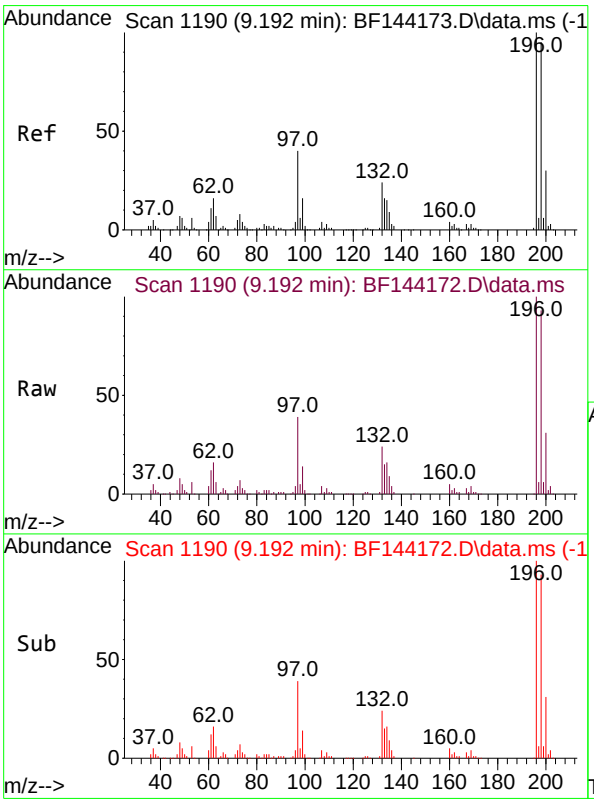
#43
2,4,6-Trichlorophenol
Concen: 20.136 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 98855

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.3	112.9
200	30.6	23.4	35.2

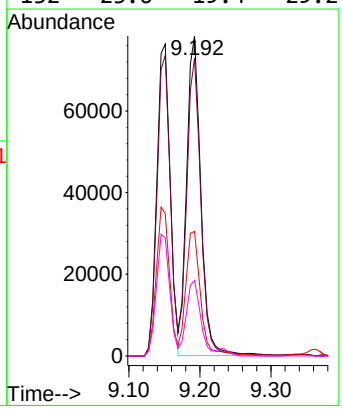


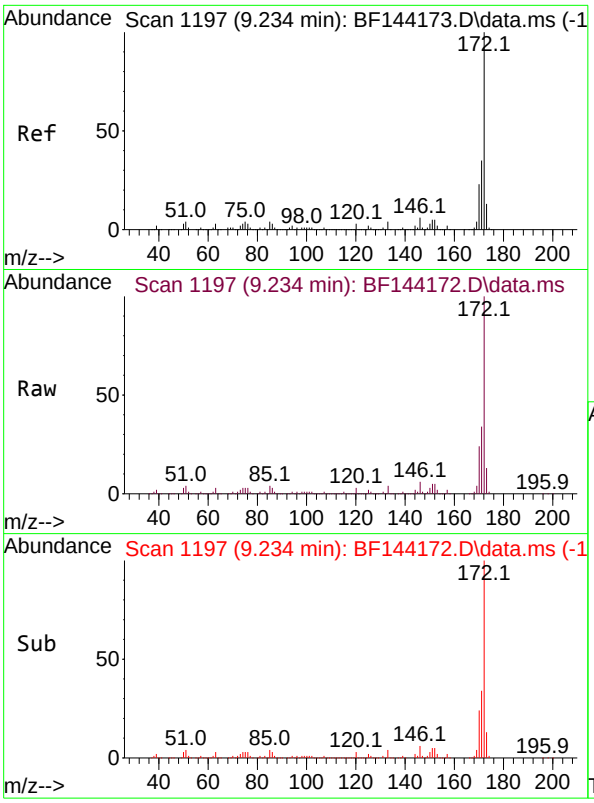


#44
2,4,5-Trichlorophenol
Concen: 20.653 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:196 Resp: 109277

Ion	Ratio	Lower	Upper
196	100		
198	93.0	76.1	114.1
97	38.9	31.9	47.9
132	23.6	19.4	29.2



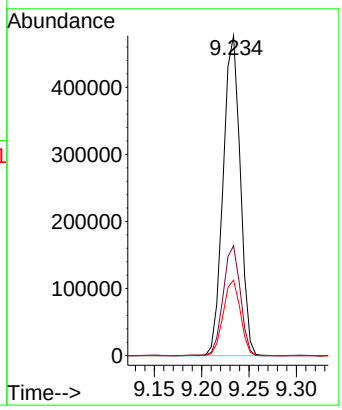


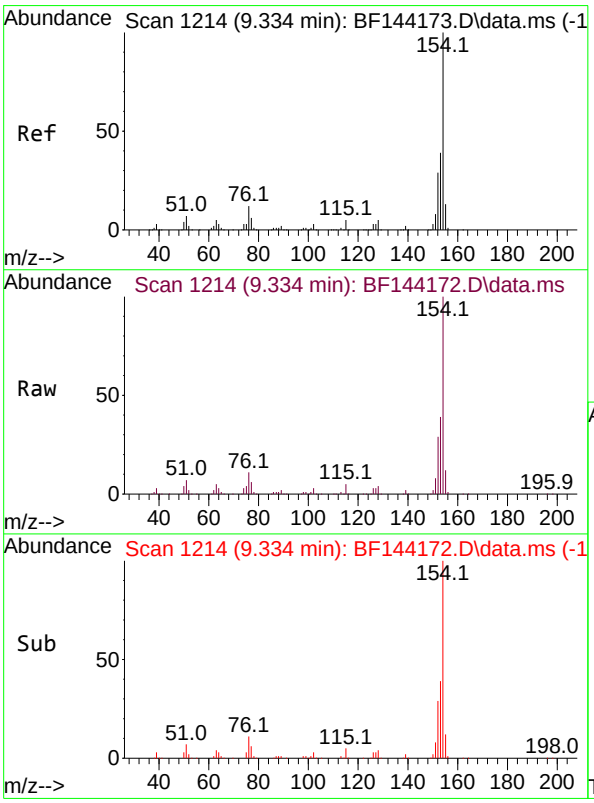
#45
2-Fluorobiphenyl
Concen: 40.208 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 599169

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.6	18.6	28.0

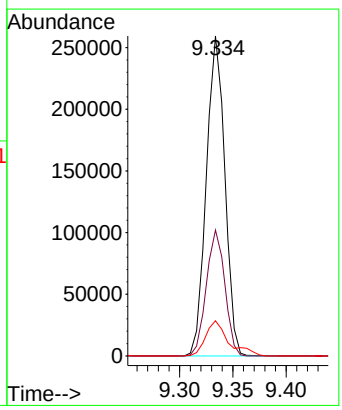


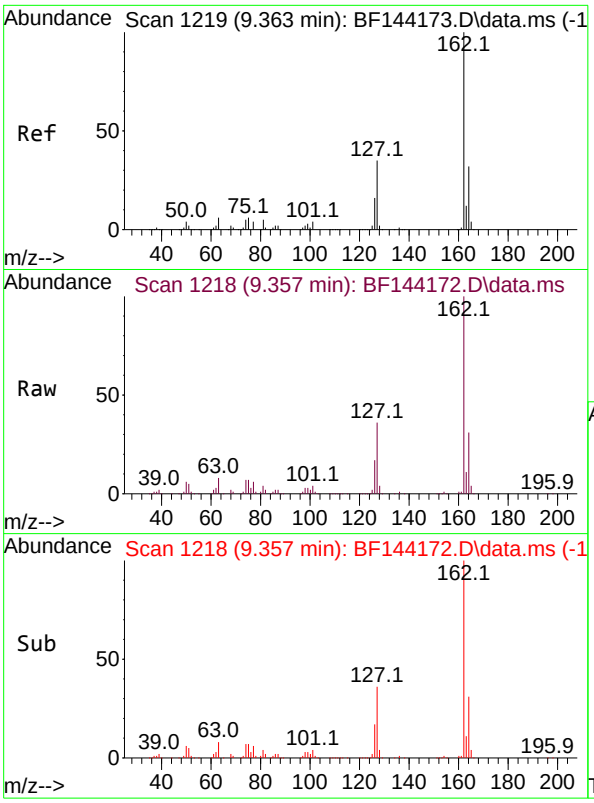


#46
1,1'-Biphenyl
Concen: 20.417 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:154 Resp: 313667

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.2	59.2
76	11.0	0.0	31.8



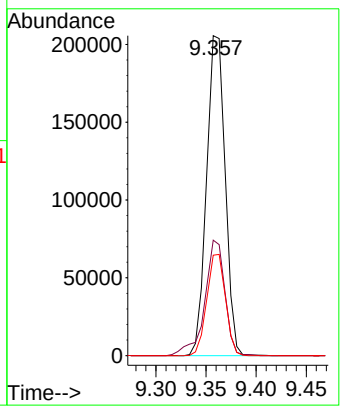


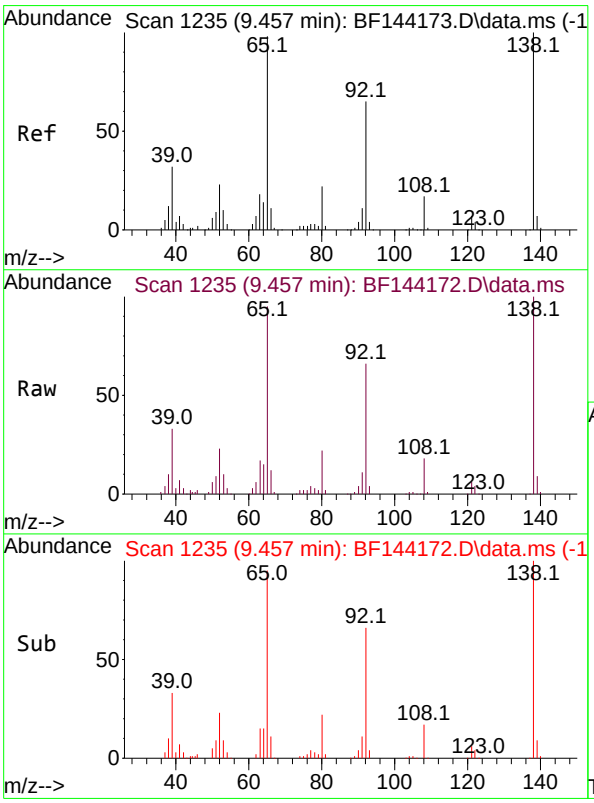
#47
2-Chloronaphthalene
Concen: 20.262 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 265522

Ion	Ratio	Lower	Upper
162	100		
127	36.1	28.8	43.2
164	31.4	25.8	38.8

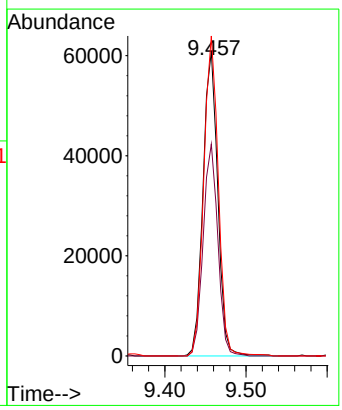


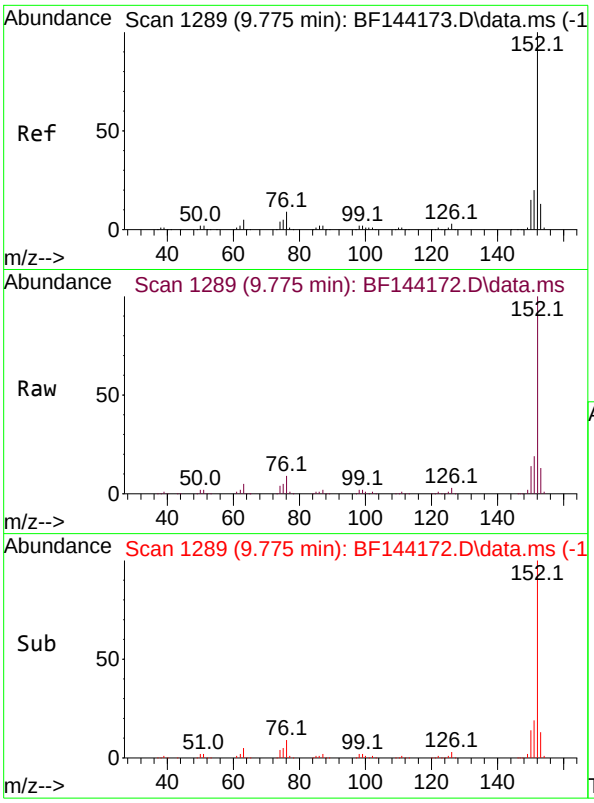


#48
2-Nitroaniline
Concen: 20.308 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion: 65 Resp: 76785

Ion	Ratio	Lower	Upper
65	100		
92	69.5	53.0	79.6
138	105.1	81.6	122.4



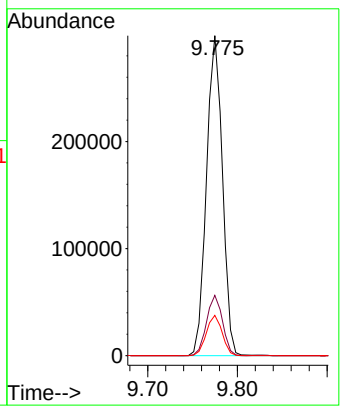


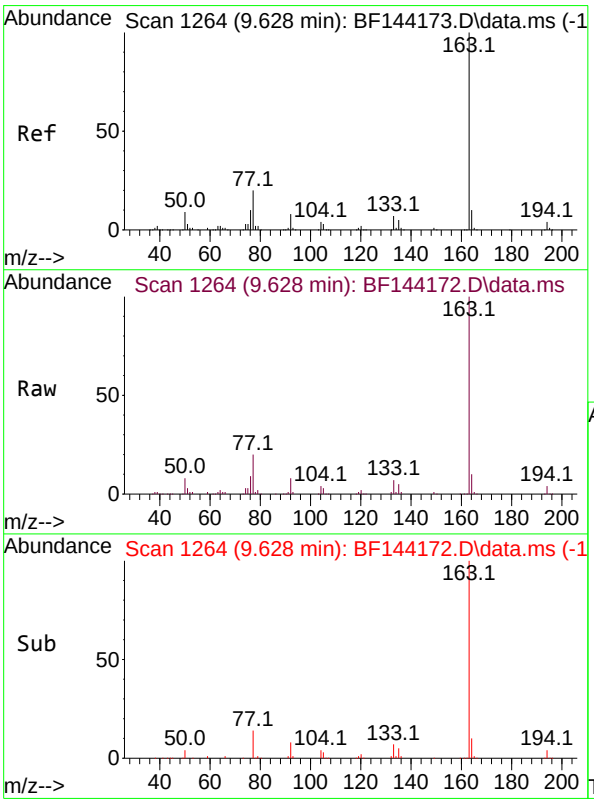
#49
Acenaphthylene
Concen: 20.664 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 369018

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.9	23.9
153	12.6	10.5	15.7

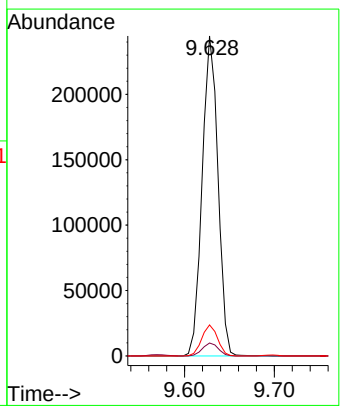


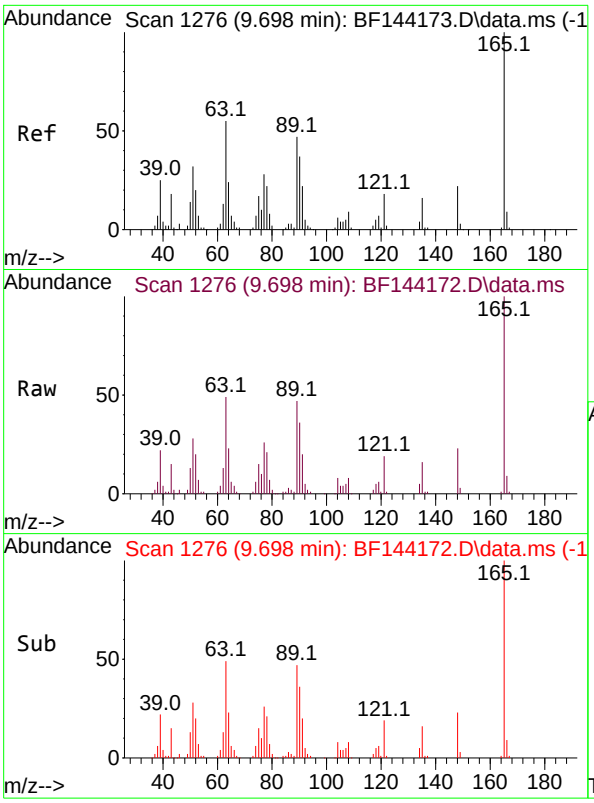


#50
Dimethylphthalate
Concen: 20.516 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:163 Resp: 299125

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.1	12.1



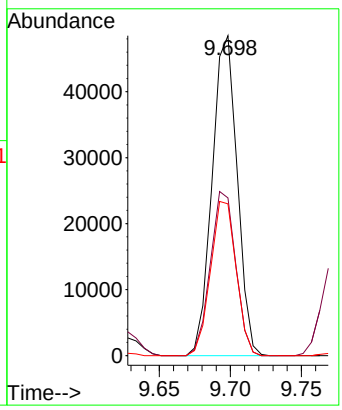


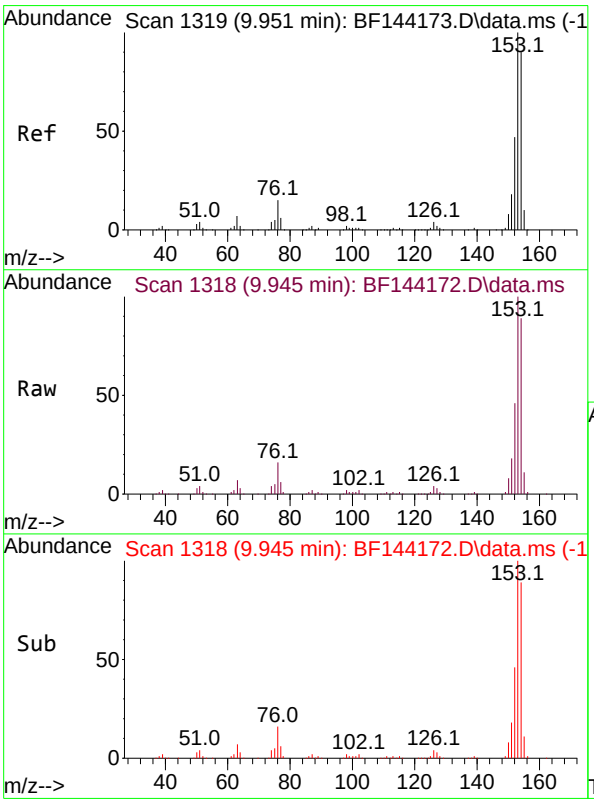
#51
2,6-Dinitrotoluene
Concen: 20.212 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 59656

Ion	Ratio	Lower	Upper
165	100		
63	49.3	43.8	65.8
89	47.4	37.5	56.3

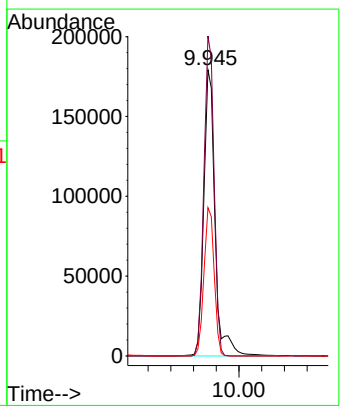


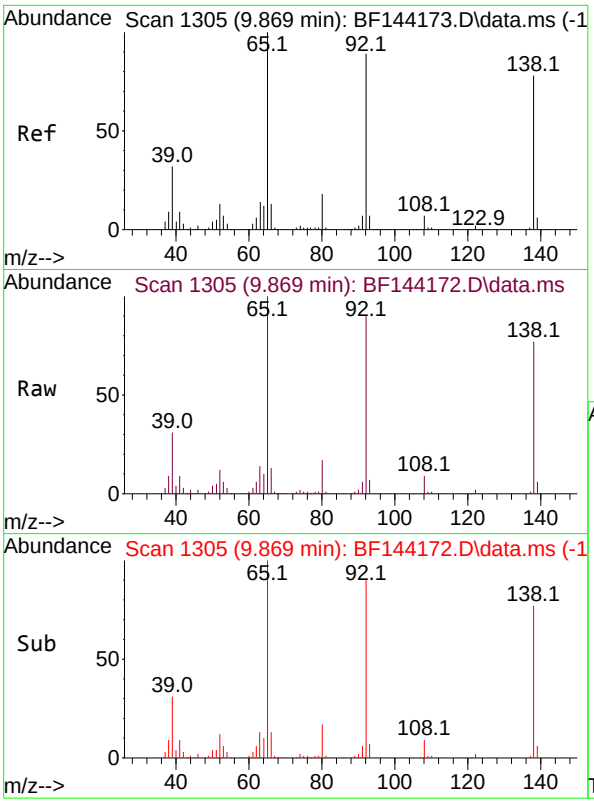


#52
Acenaphthene
Concen: 20.641 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:154 Resp: 246497

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	51.8	42.2	63.4



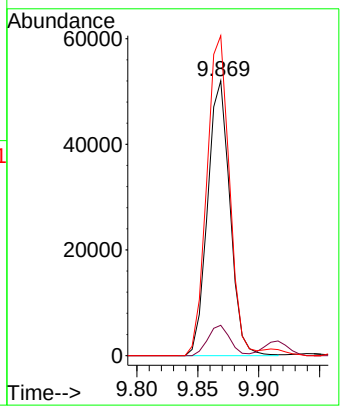


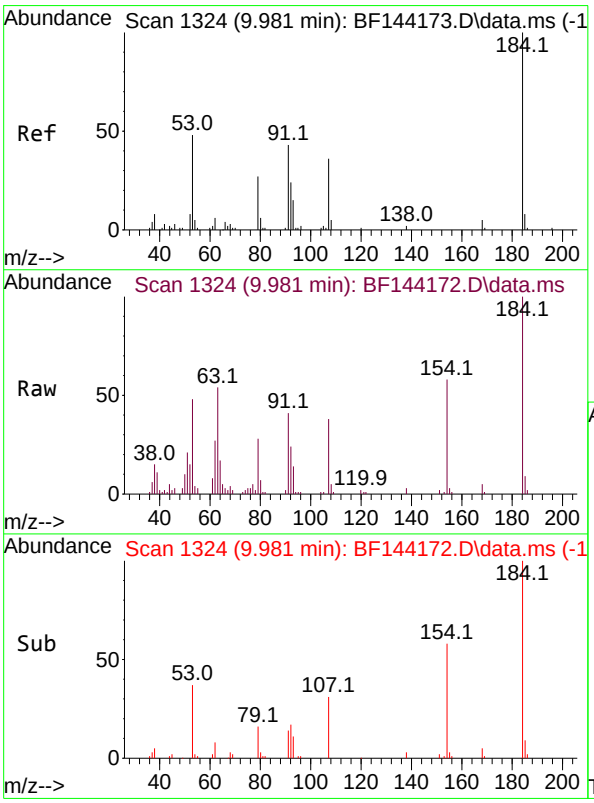
#53
3-Nitroaniline
Concen: 20.623 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 66539

Ion	Ratio	Lower	Upper
138	100		
108	11.1	7.5	11.3
92	116.4	91.8	137.6

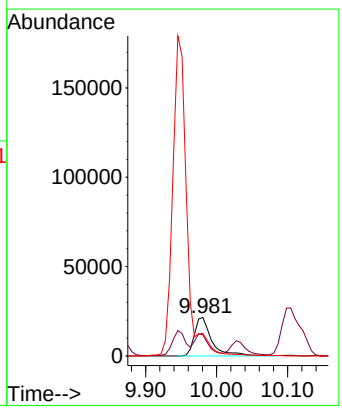


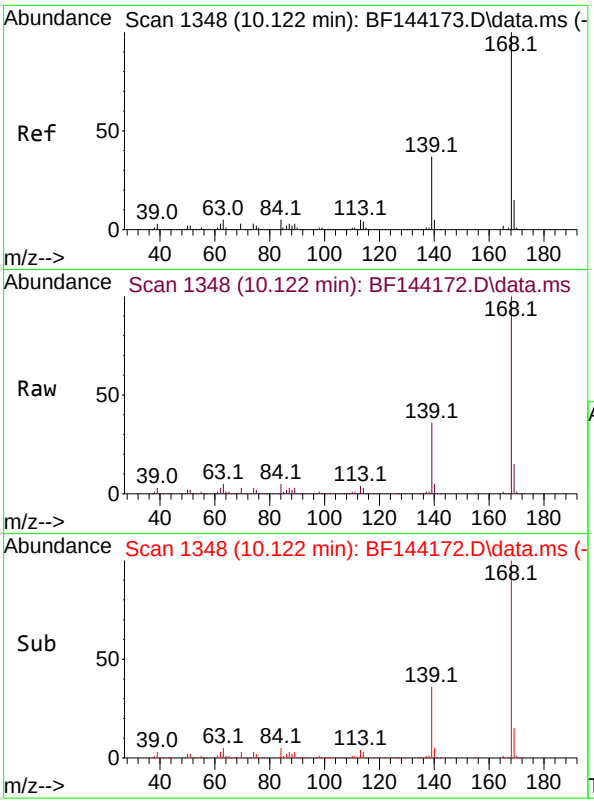


#54
2,4-Dinitrophenol
Concen: 20.453 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:184 Resp: 36453

Ion	Ratio	Lower	Upper
184	100		
63	54.5	44.0	66.0
154	58.3	42.4	63.6



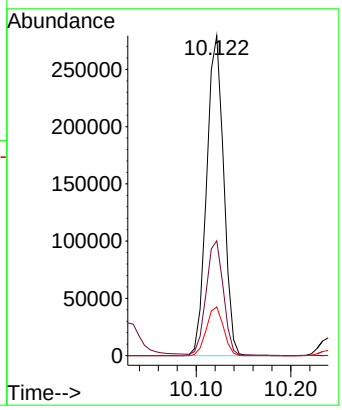


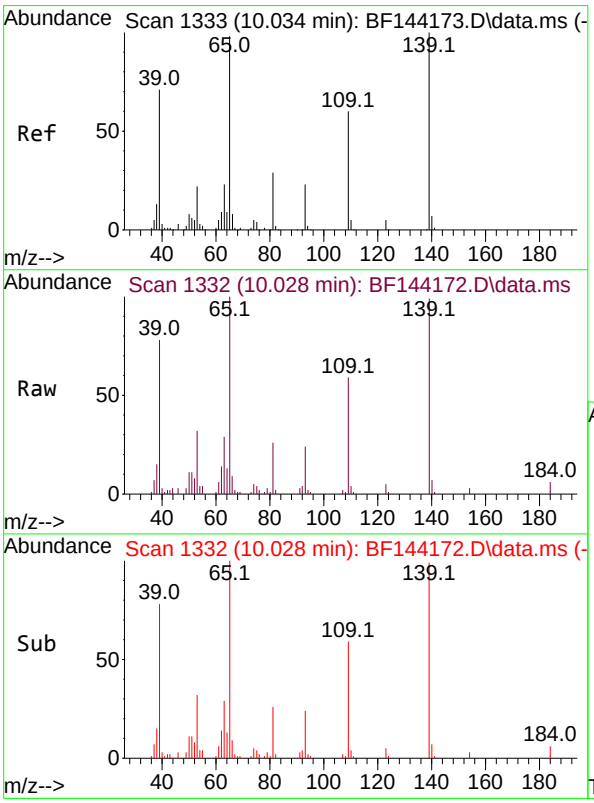
#55
Dibenzofuran
Concen: 20.864 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 348955

Ion	Ratio	Lower	Upper
168	100		
139	35.9	30.2	45.2
169	15.2	12.2	18.4

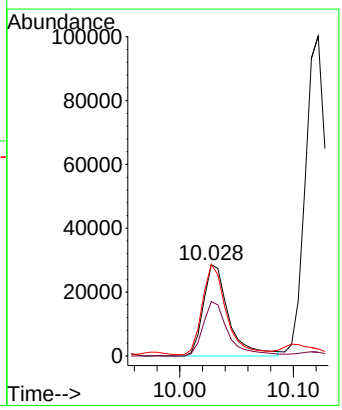


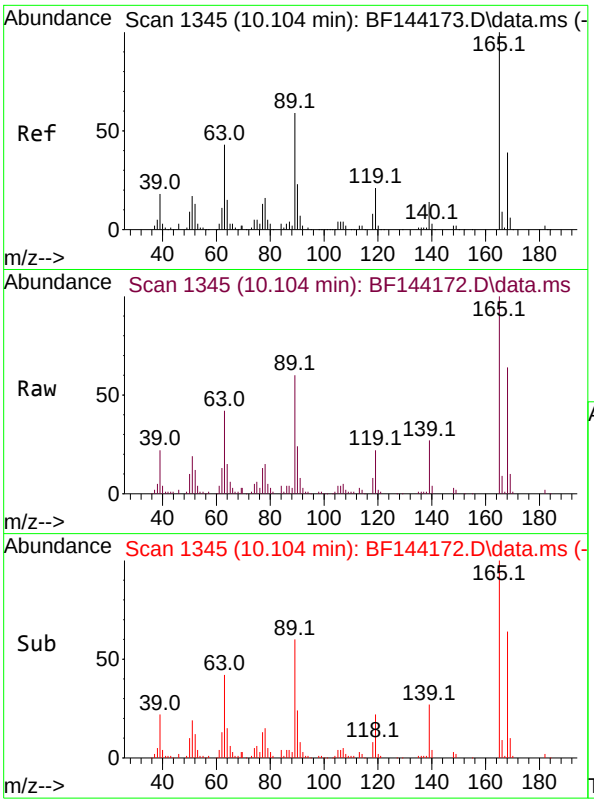


#56
4-Nitrophenol
Concen: 19.003 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:139 Resp: 44352

Ion	Ratio	Lower	Upper
139	100		
109	59.5	39.9	79.9
65	100.6	79.5	119.5



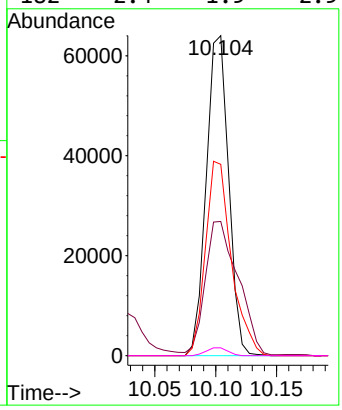


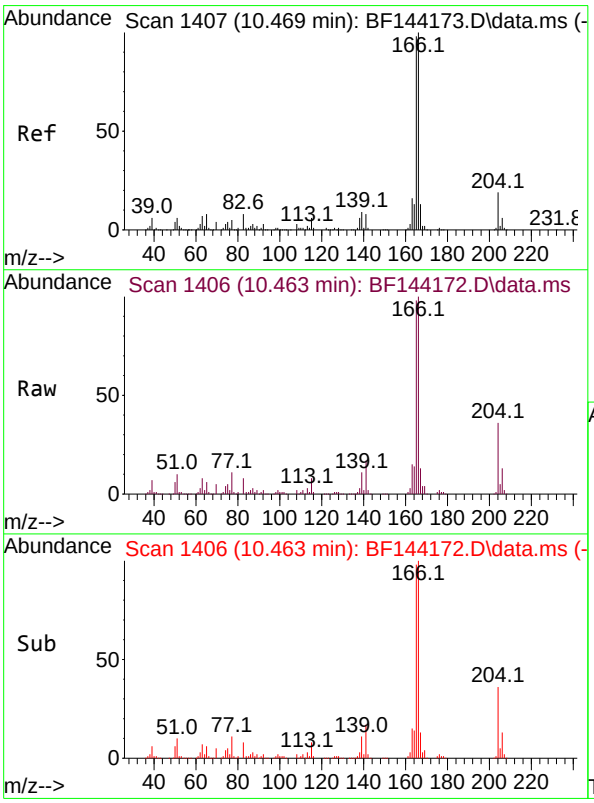
#57
2,4-Dinitrotoluene
Concen: 20.706 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 81812

Ion	Ratio	Lower	Upper
165	100		
63	41.9	35.5	53.3
89	59.8	47.4	71.2
182	2.4	1.9	2.9

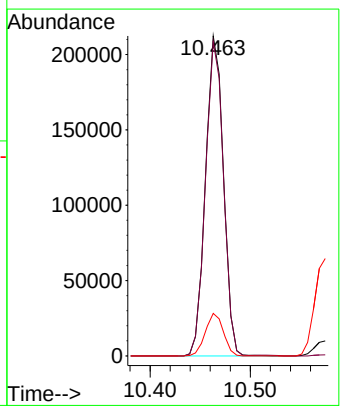


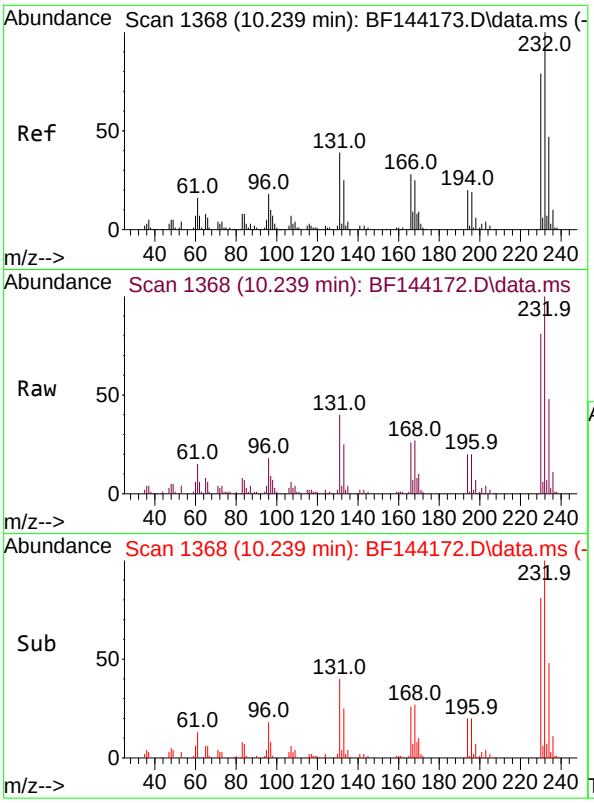


#58
Fluorene
Concen: 20.725 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:166 Resp: 263546

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.3	10.4	15.6



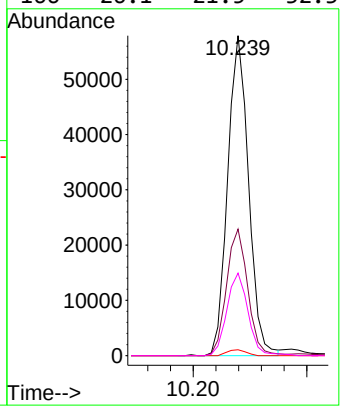


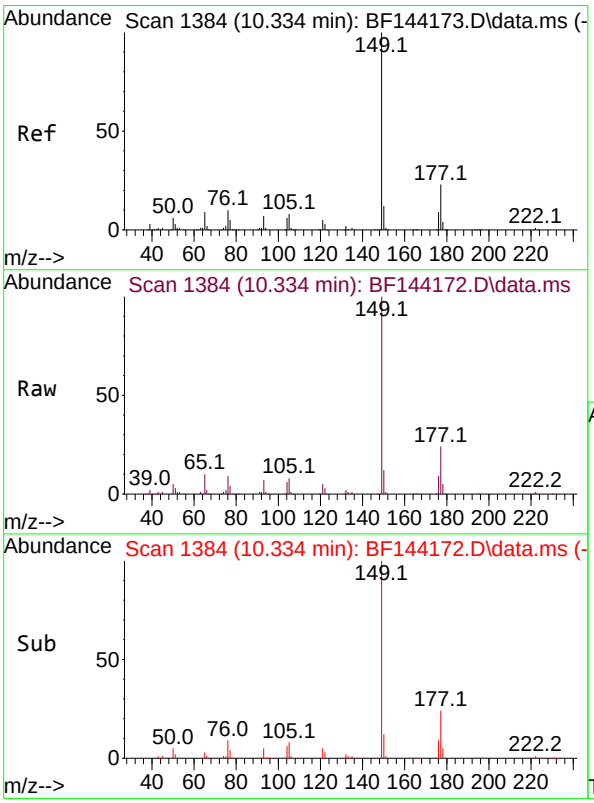
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.762 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 73978

Ion	Ratio	Lower	Upper
232	100		
131	40.2	30.3	45.5
130	1.6	1.2	1.8
166	26.1	21.5	32.3

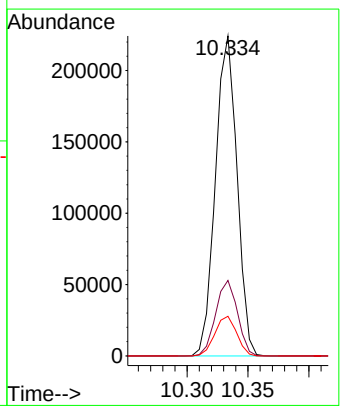


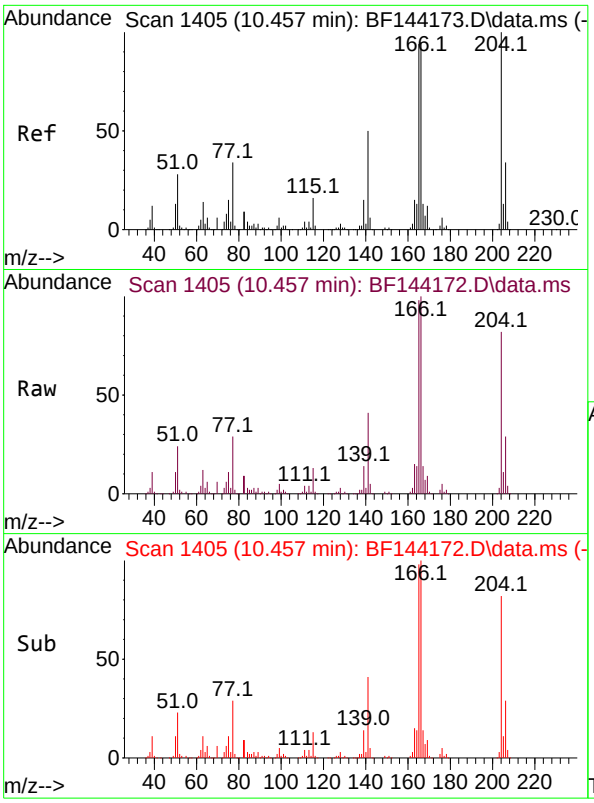


#60
Diethylphthalate
Concen: 20.535 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 276008

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	12.4	9.8	14.6



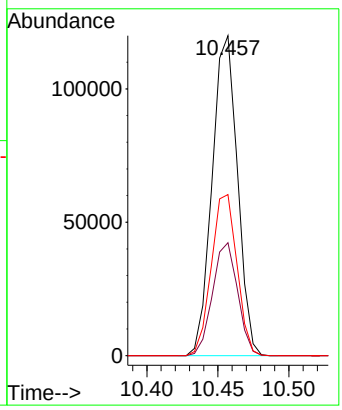


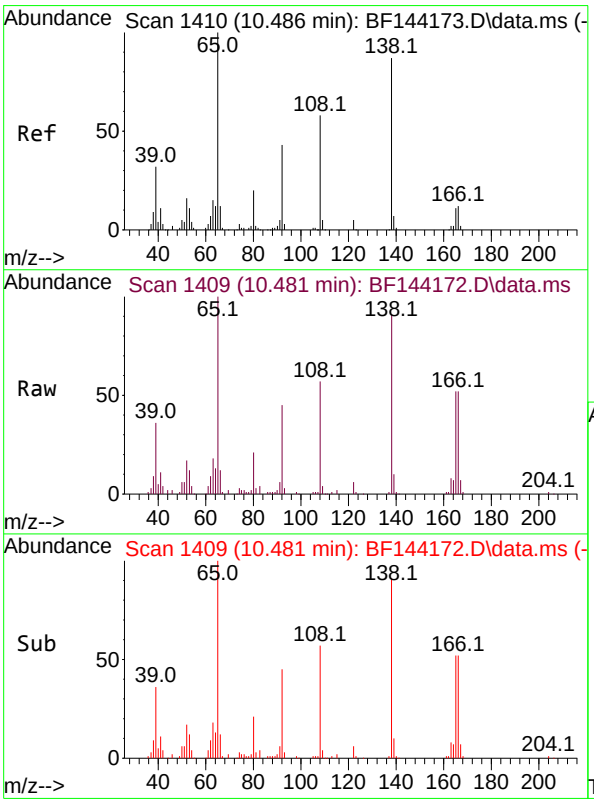
#61
4-Chlorophenyl-phenylether
Concen: 20.595 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 149181

Ion	Ratio	Lower	Upper
204	100		
206	35.3	27.4	41.2
141	50.3	40.0	60.0

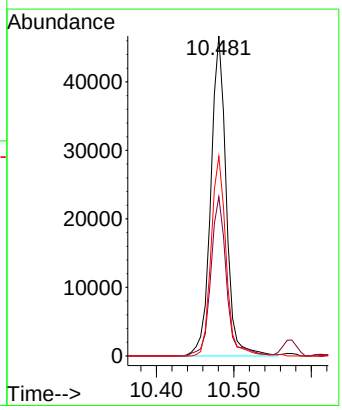


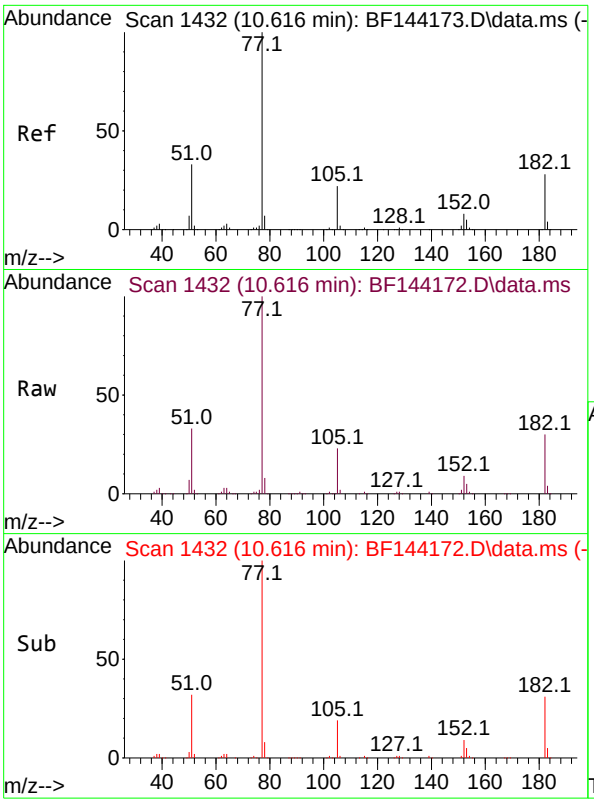


#62
4-Nitroaniline
Concen: 20.987 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:138 Resp: 64484

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.4	69.4
108	62.4	46.4	86.4



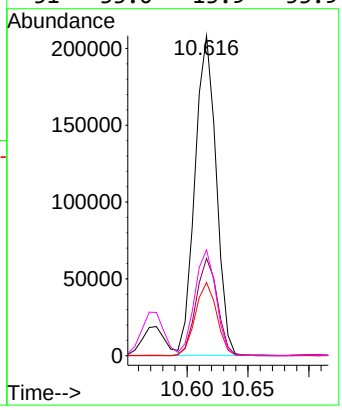


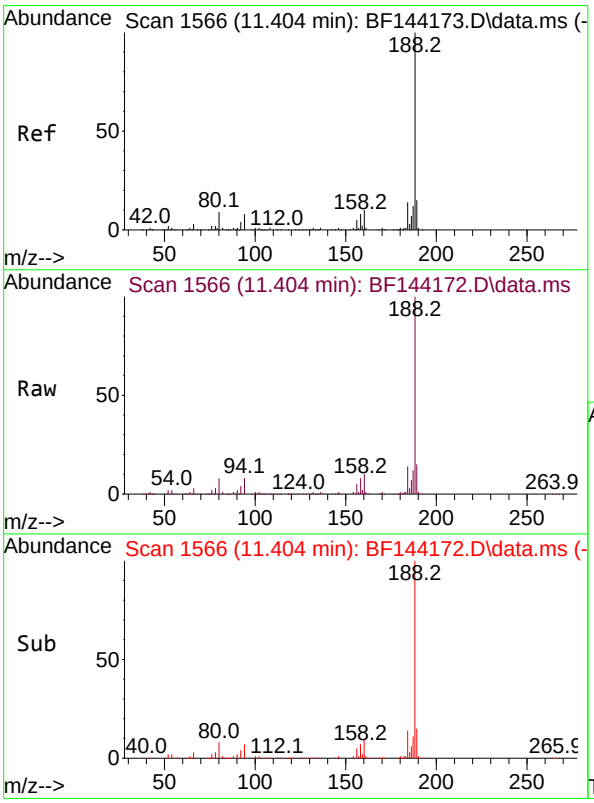
#63
Azobenzene
Concen: 20.147 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 252025

Ion	Ratio	Lower	Upper
77	100		
182	30.4	8.1	48.1
105	22.8	2.0	42.0
51	33.0	13.9	53.9

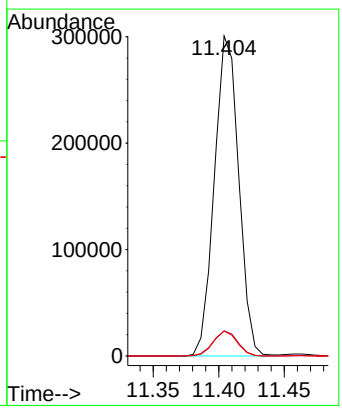


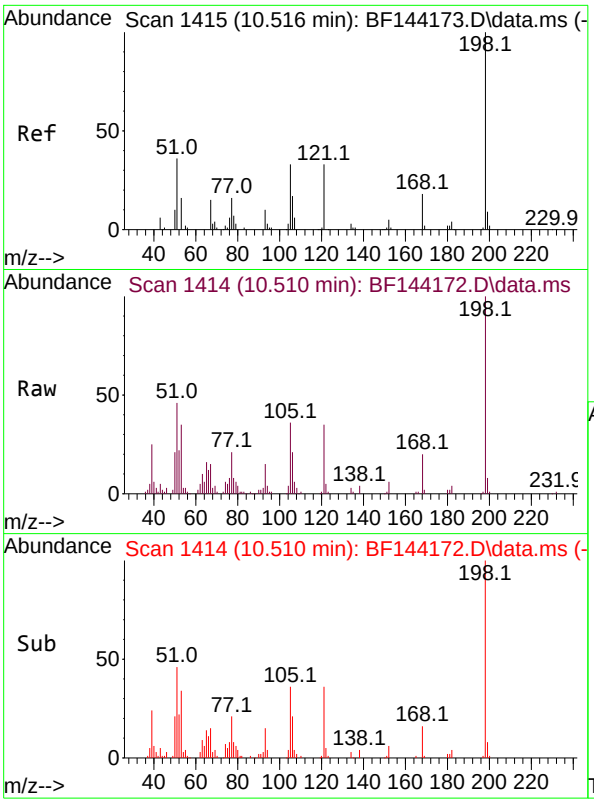


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:188 Resp: 388430

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.2	9.2
80	7.7	6.9	10.3



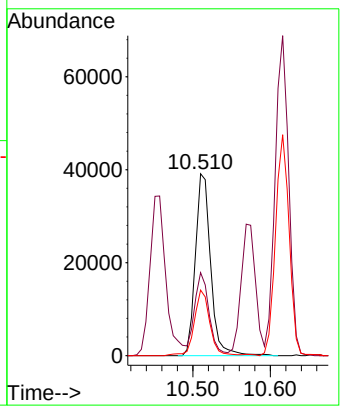


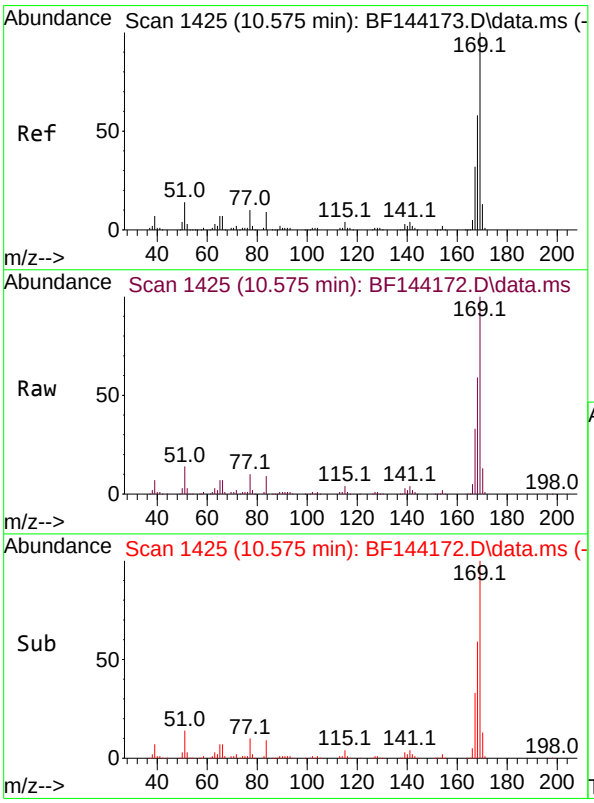
#65
4,6-Dinitro-2-methylphenol
Concen: 20.307 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 53585

Ion	Ratio	Lower	Upper
198	100		
51	45.6	25.6	65.6
105	36.0	14.6	54.6

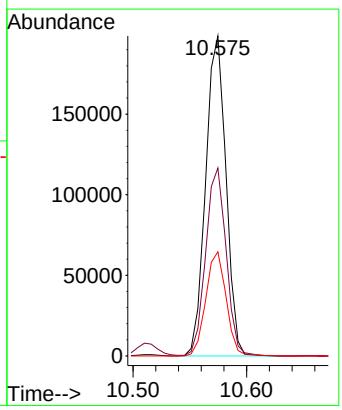


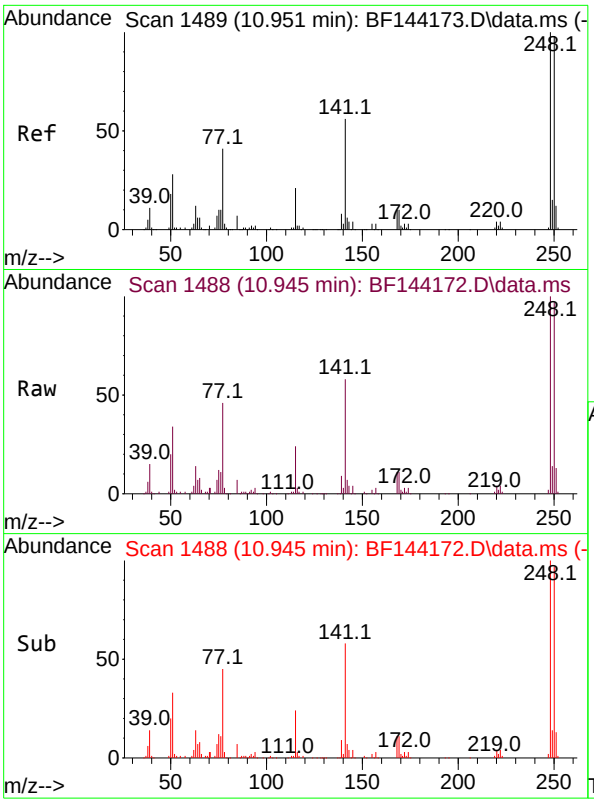


#66
n-Nitrosodiphenylamine
Concen: 19.743 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:169 Resp: 246642

Ion	Ratio	Lower	Upper
169	100		
168	58.7	46.2	69.2
167	32.5	25.7	38.5



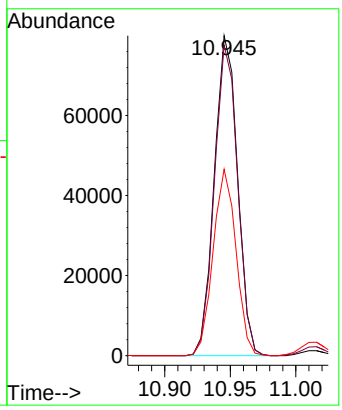


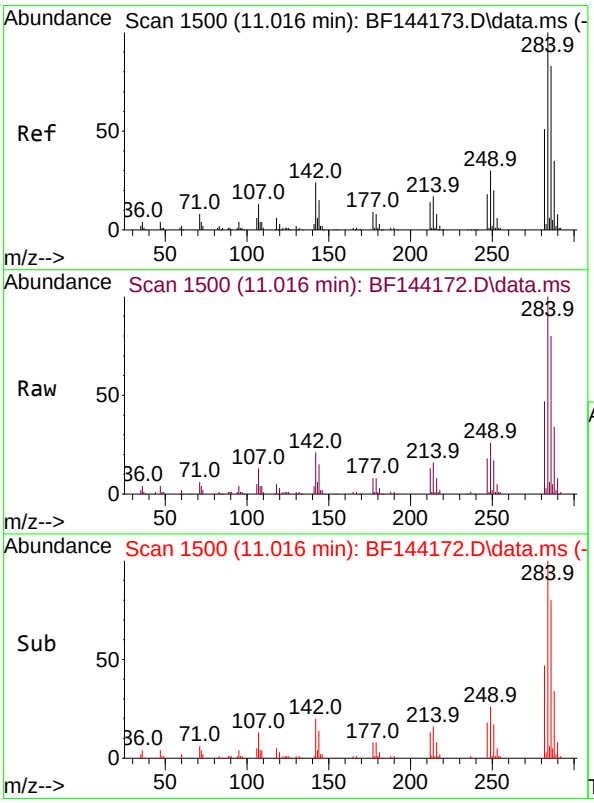
#67
4-Bromophenyl-phenylether
Concen: 19.959 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 98958

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.4	117.6
141	58.2	45.1	67.7

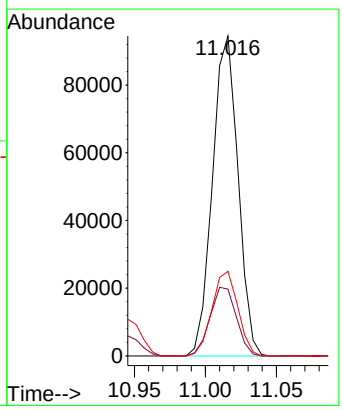


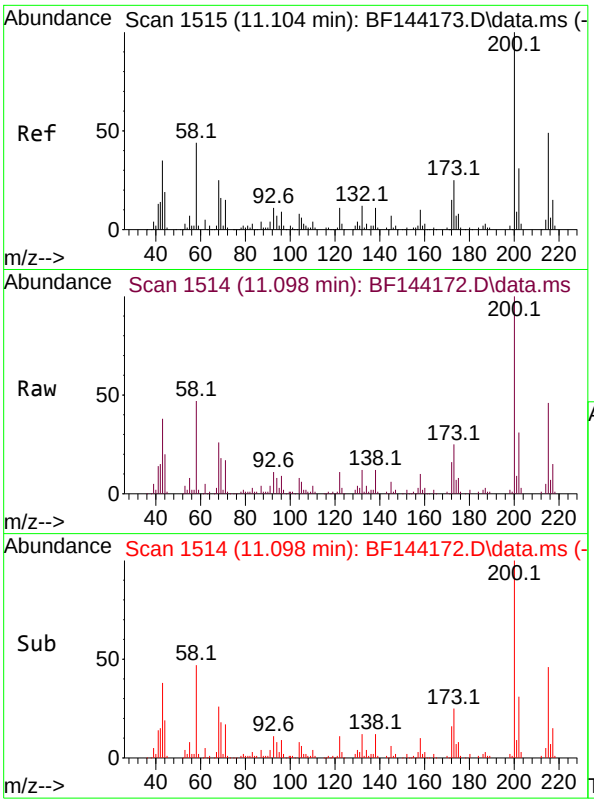


#68
Hexachlorobenzene
Concen: 20.279 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:284 Resp: 118426

Ion	Ratio	Lower	Upper
284	100		
142	20.9	19.2	28.8
249	26.4	23.8	35.8



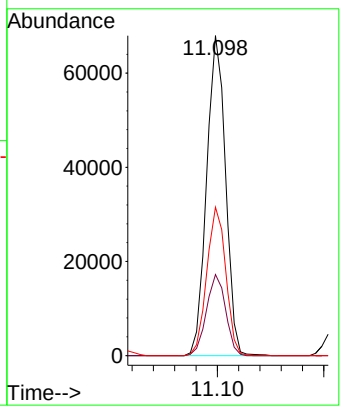


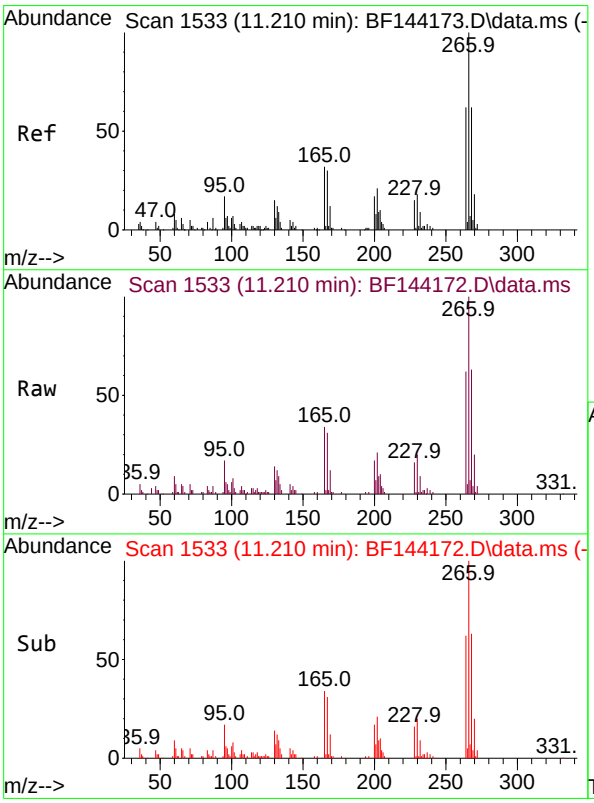
#69
Atrazine
Concen: 21.052 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 83639

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.0	45.0
215	46.4	28.7	68.7

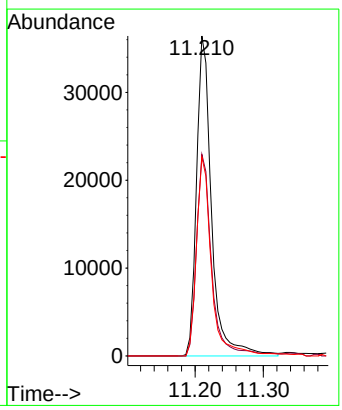


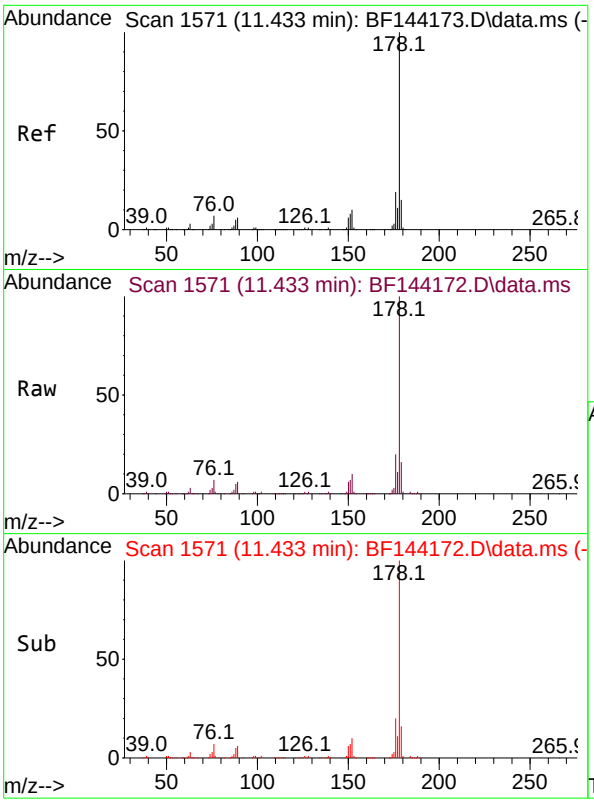


#70
Pentachlorophenol
Concen: 19.177 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:266 Resp: 55766

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.5	74.3
264	62.1	49.4	74.2



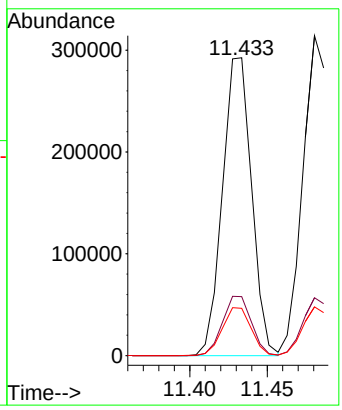


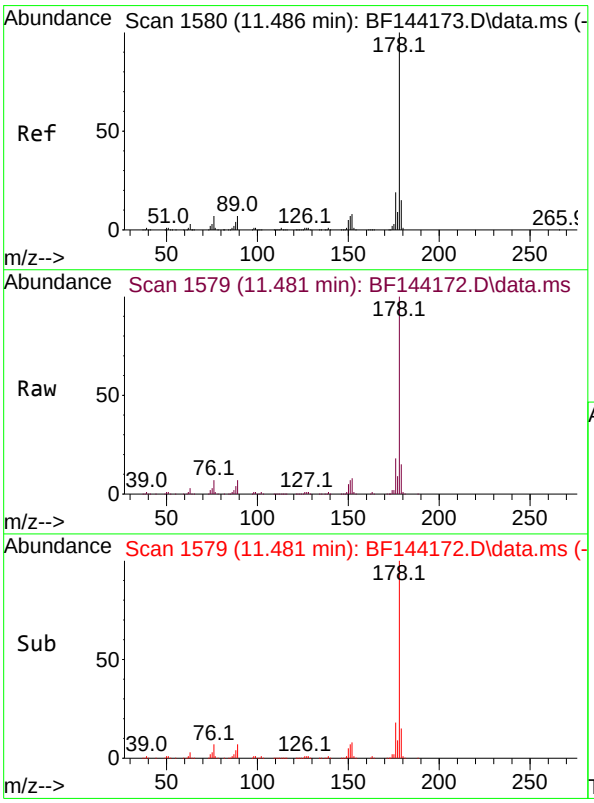
#71
Phenanthrene
Concen: 19.794 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 382805

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.2	18.4

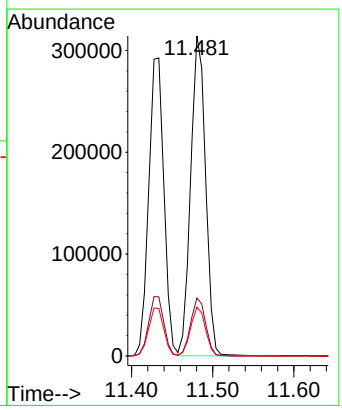


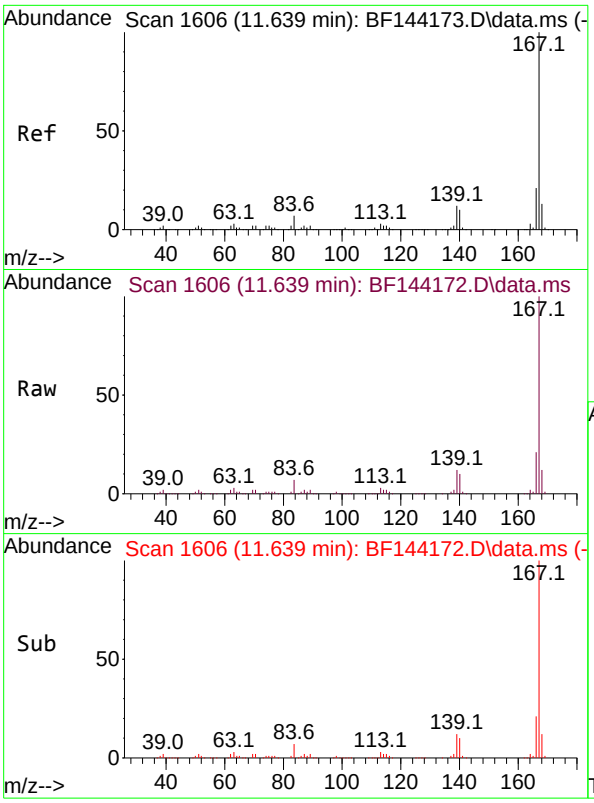


#72
Anthracene
Concen: 20.292 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:178 Resp: 399043

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.3	12.0	18.0



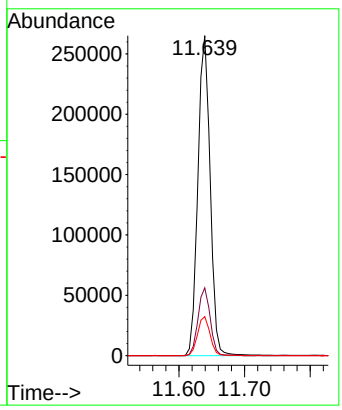


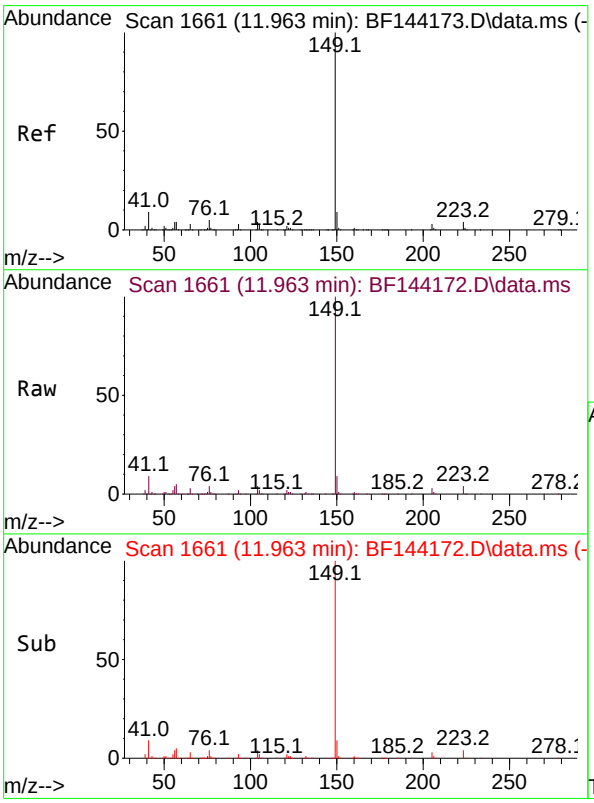
#73
Carbazole
Concen: 20.490 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 342636

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.2	9.9	14.9

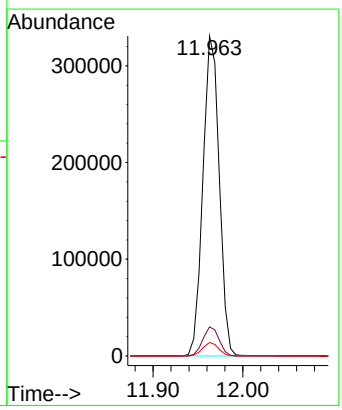


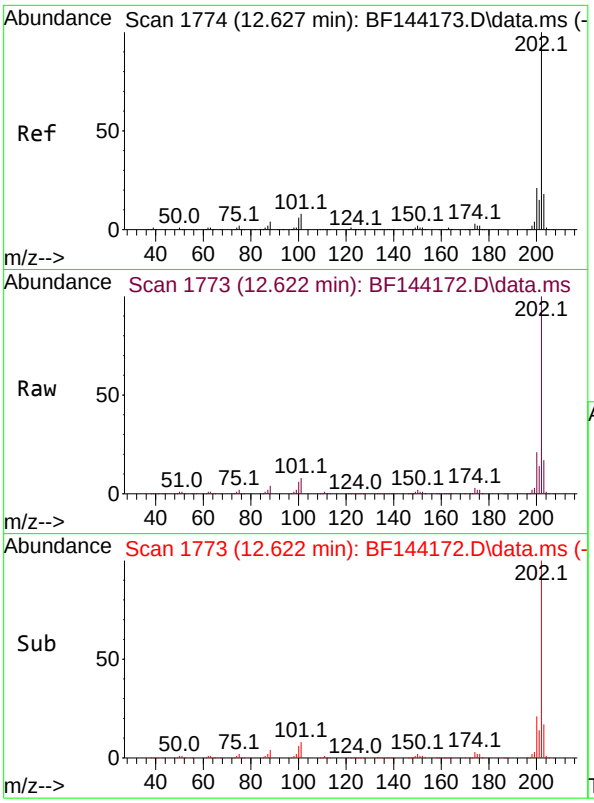


#74
Di-n-butylphthalate
Concen: 20.691 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 418262

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.2	3.4	5.2



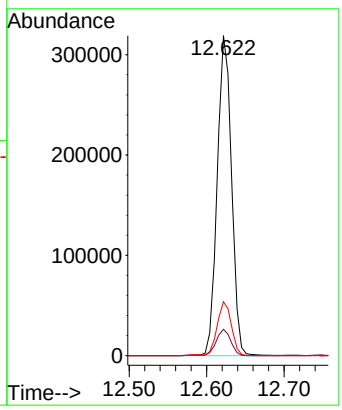


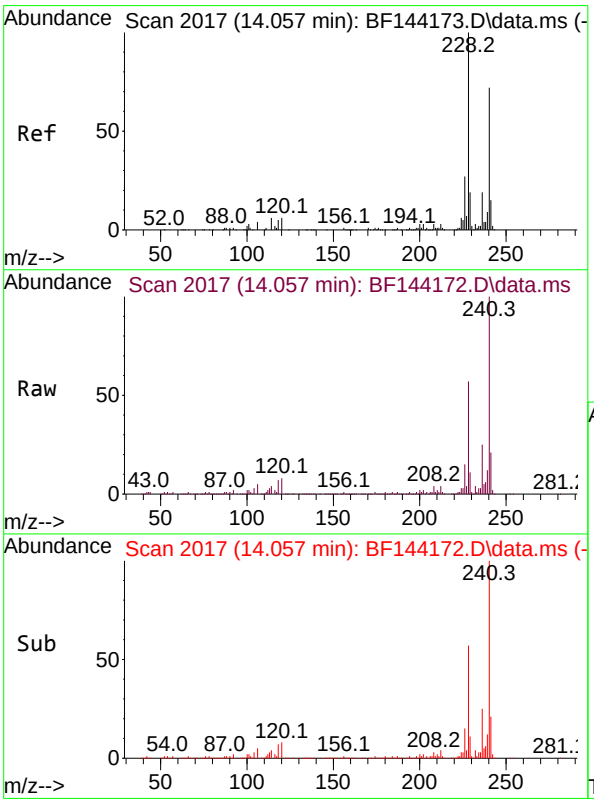
#75
Fluoranthene
Concen: 20.466 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 408870

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.9
203	16.8	0.0	37.5

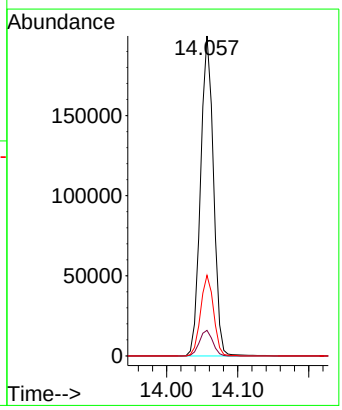


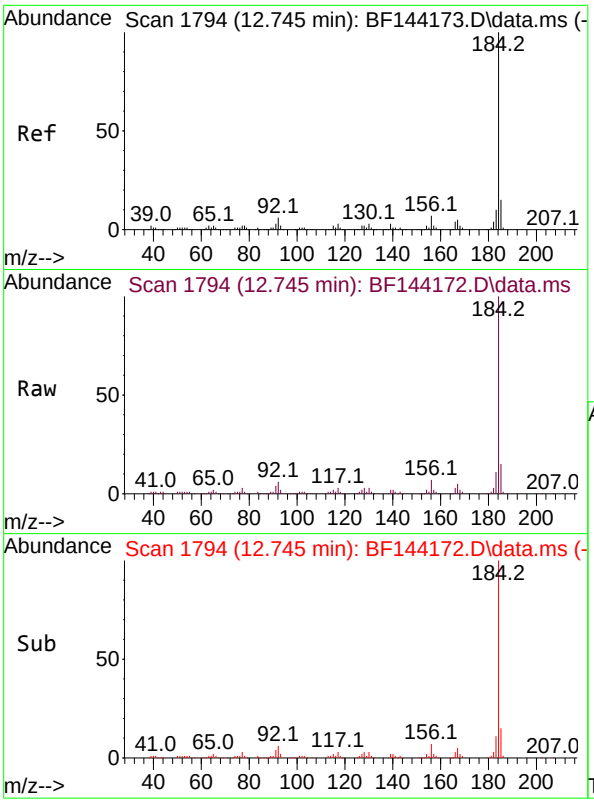


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:240 Resp: 250706

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.6	10.0
236	25.2	21.4	32.2



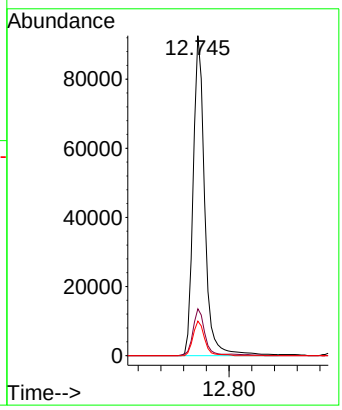


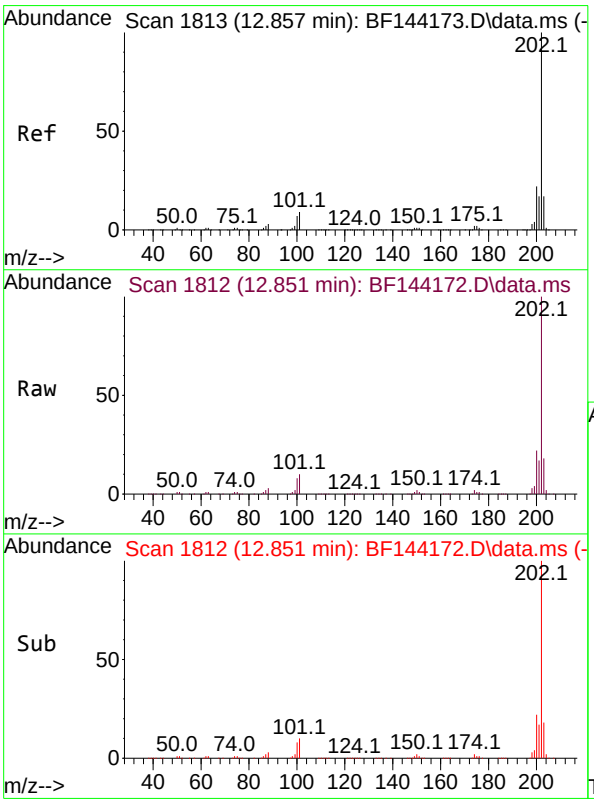
#77
Benzidine
Concen: 17.535 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 130033

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.8	8.3	12.5

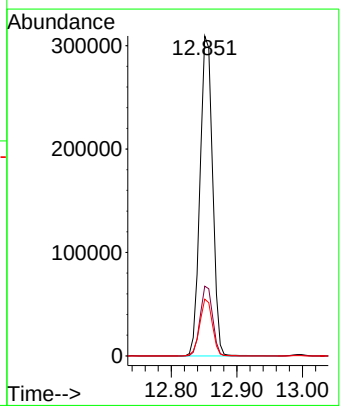


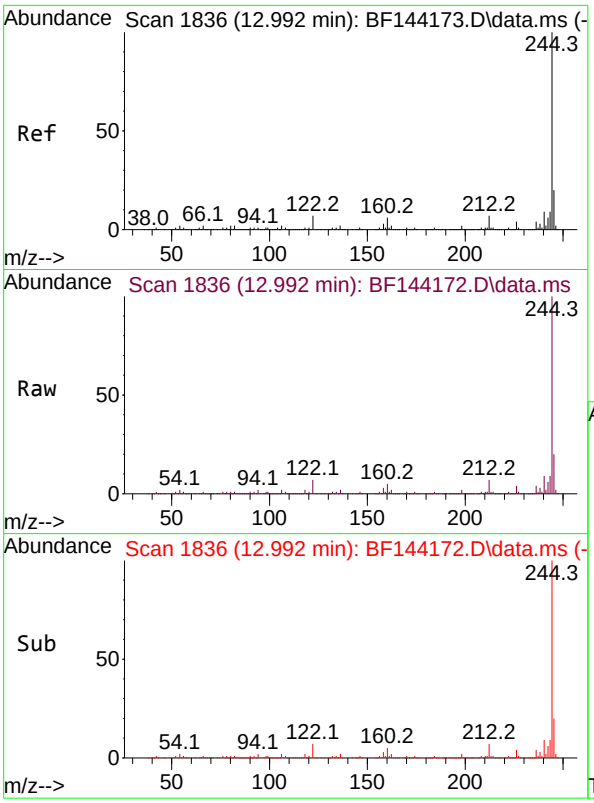


#78
Pyrene
Concen: 20.229 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:202 Resp: 408920

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.7	13.7	20.5



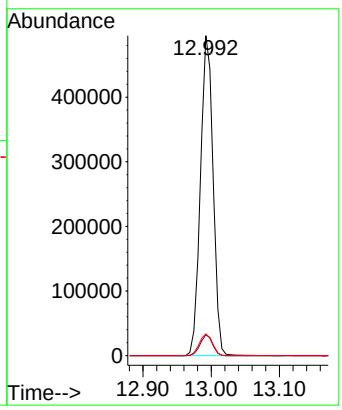


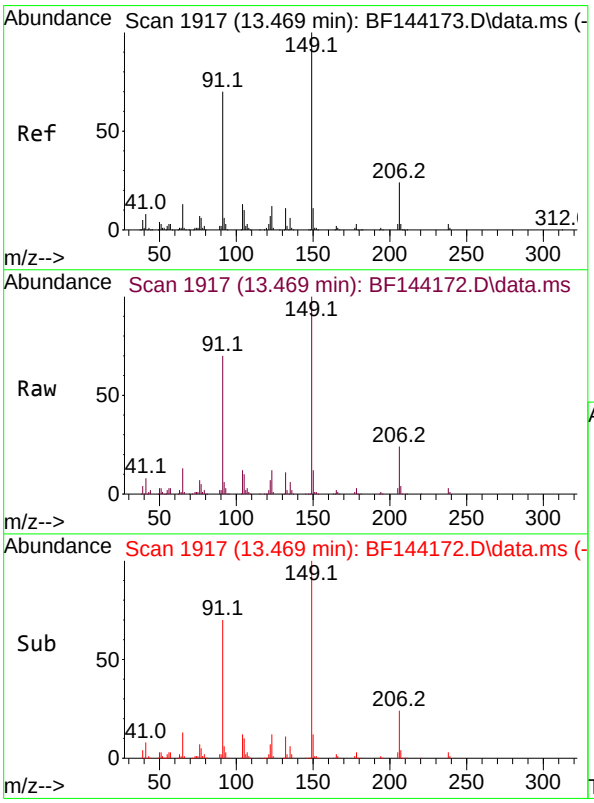
#79
Terphenyl-d14
Concen: 40.461 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 638611

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	6.8	5.6	8.4

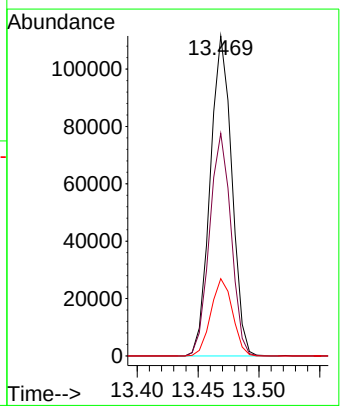


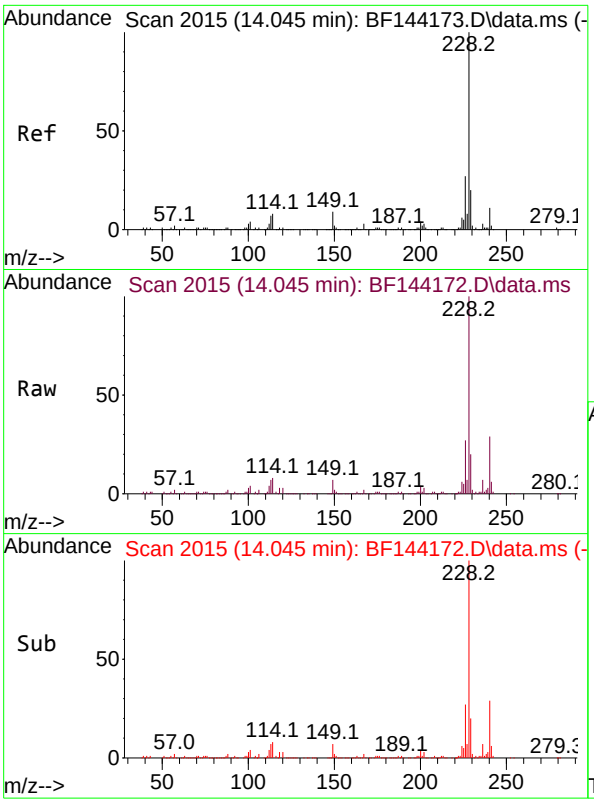


#80
Butylbenzylphthalate
Concen: 19.677 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 137856

Ion	Ratio	Lower	Upper
149	100		
91	69.5	56.1	84.1
206	24.1	18.8	28.2



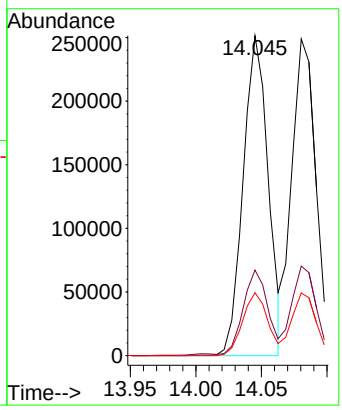


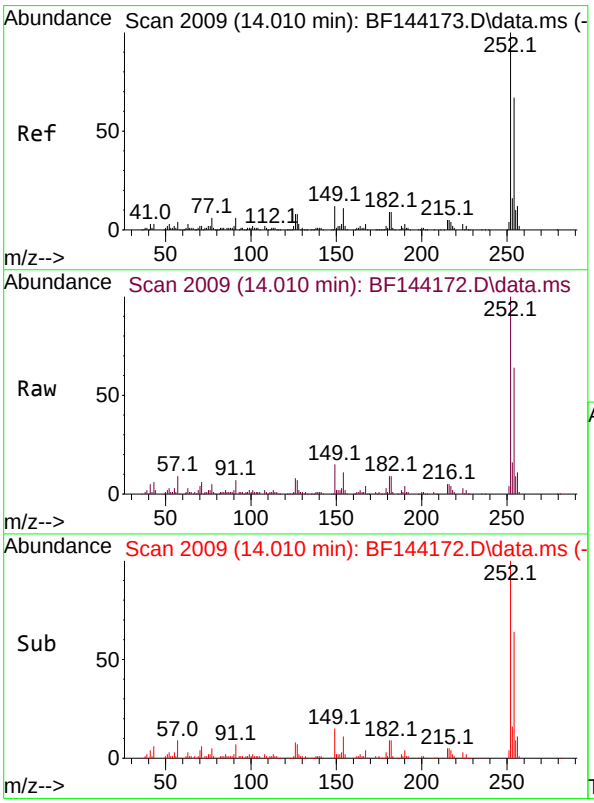
#81
Benzo(a)anthracene
Concen: 19.191 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 333458

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.7	15.8	23.6

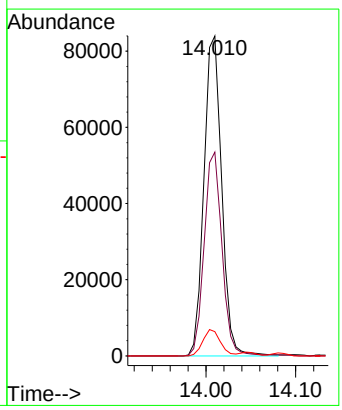


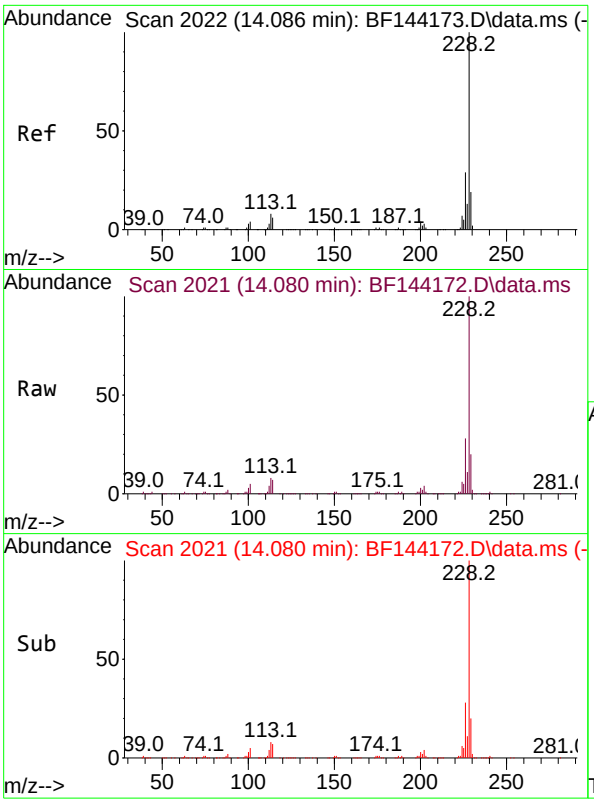


#82
3,3'-Dichlorobenzidine
Concen: 19.389 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 115478

Ion	Ratio	Lower	Upper
252	100		
254	63.7	53.5	80.3
126	7.6	6.4	9.6



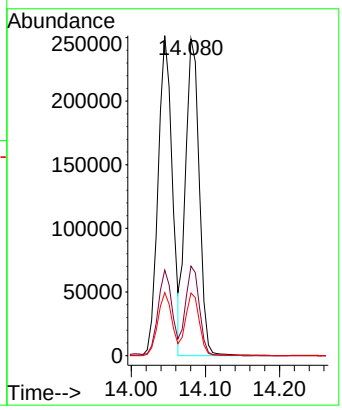


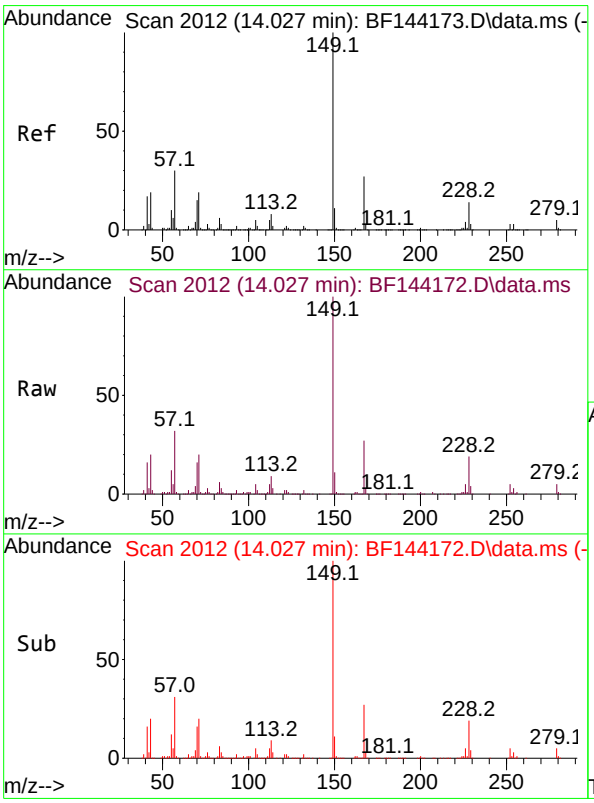
#83
Chrysene
Concen: 19.995 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 320726

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.9	34.3
229	19.8	15.0	22.6

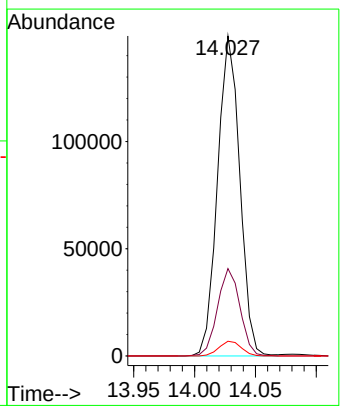


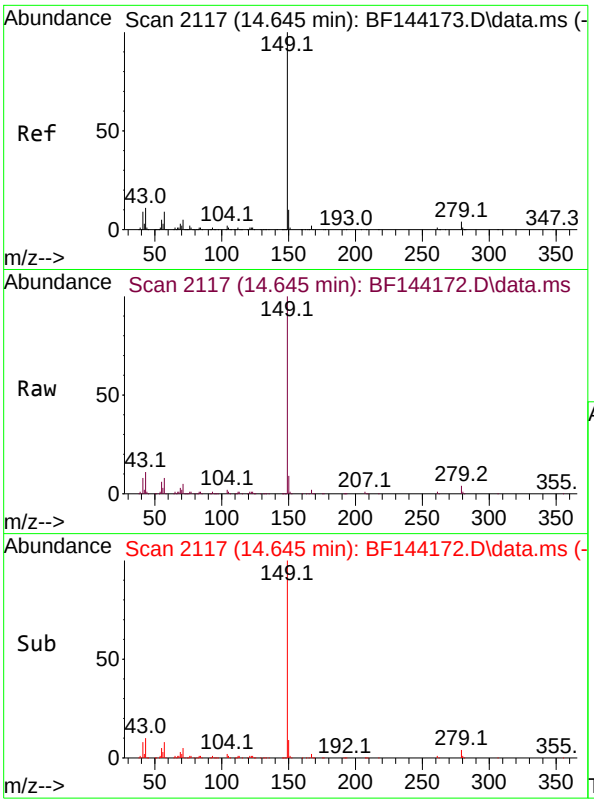


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.738 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:149 Resp: 189305

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.6	3.7	5.5



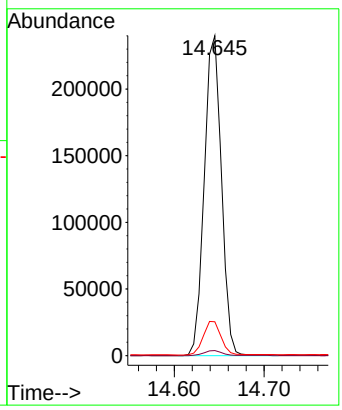


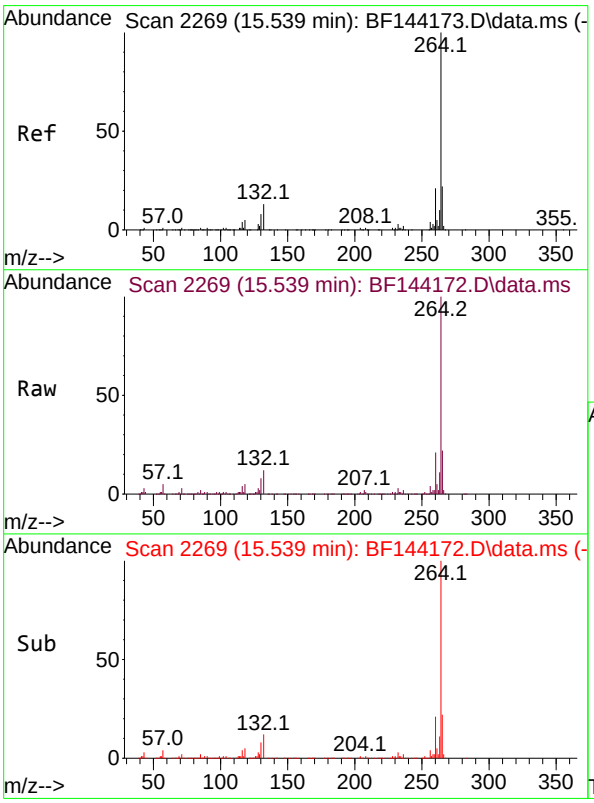
#85
Di-n-octyl phthalate
Concen: 19.268 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 318841

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.0	9.0	13.4

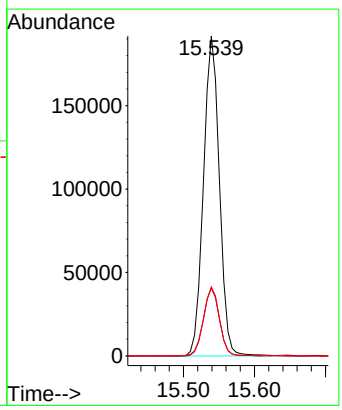


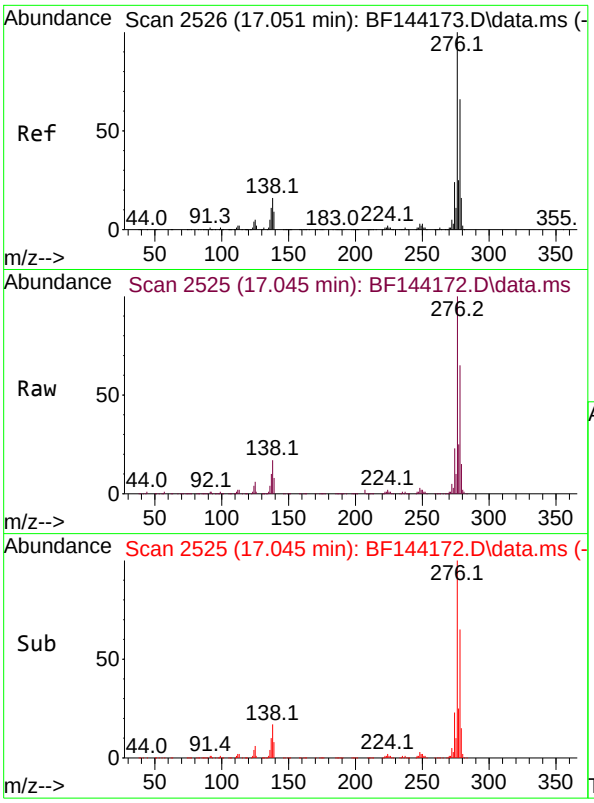


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:264 Resp: 297677

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.1	25.7
265	21.6	17.4	26.0



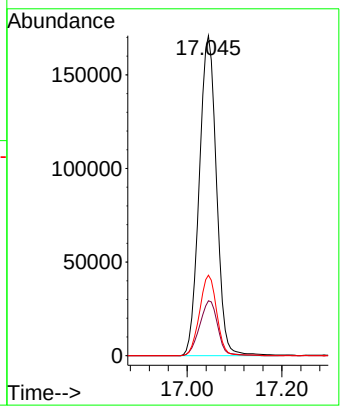


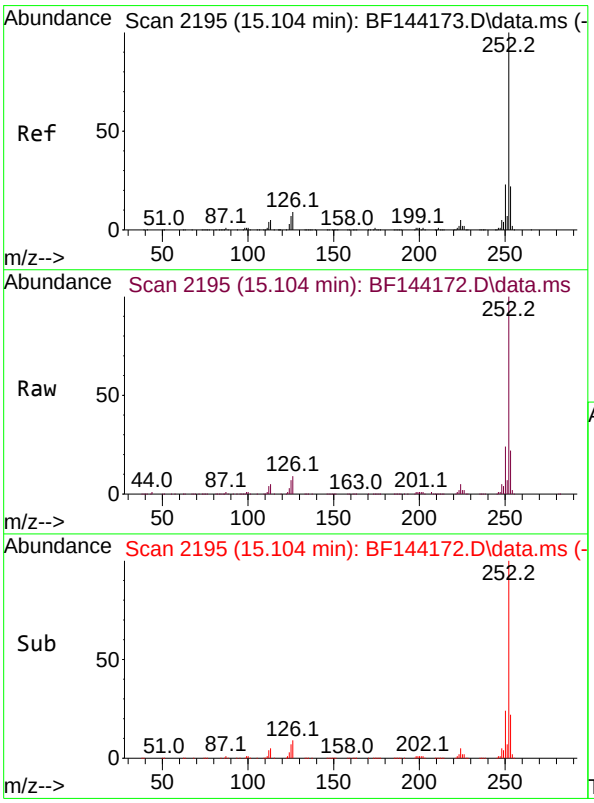
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.155 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 430691

Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.9	20.9
277	25.0	19.8	29.6

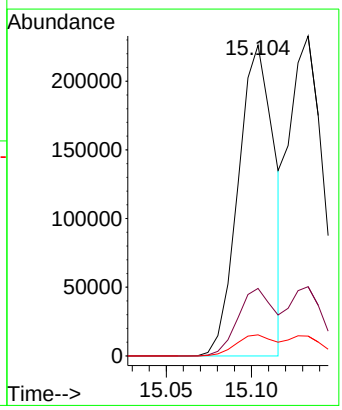


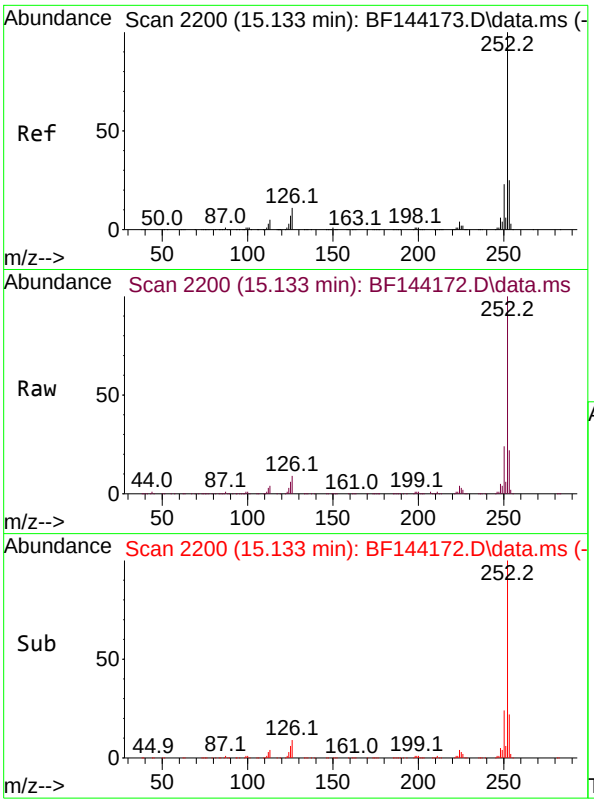


#88
Benzo(b)fluoranthene
Concen: 19.598 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 331673

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	6.8	5.3	7.9



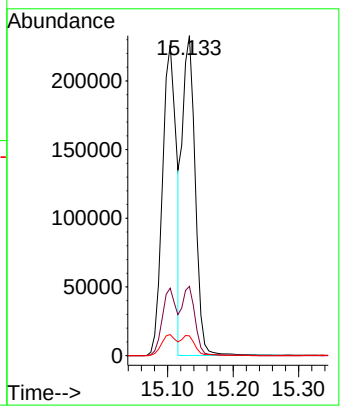


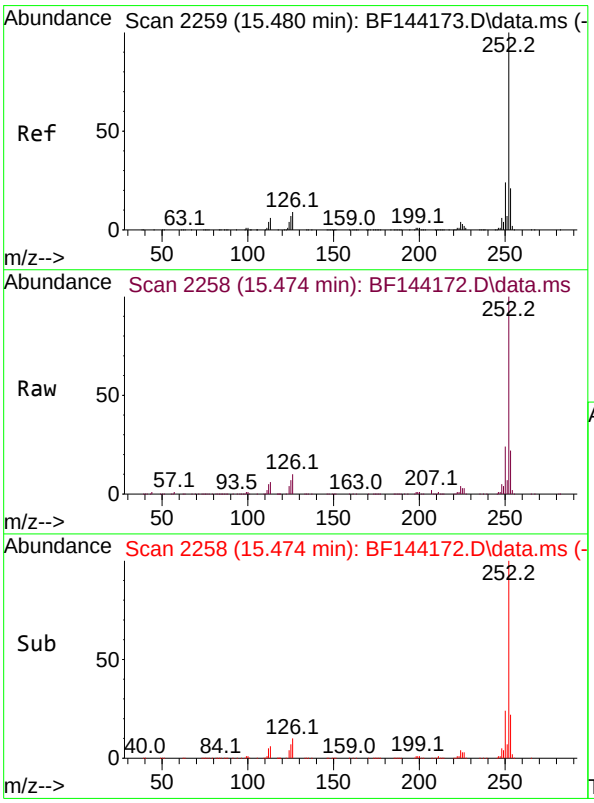
#89
Benzo(k)fluoranthene
Concen: 20.358 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 322479

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	6.2	5.4	8.2

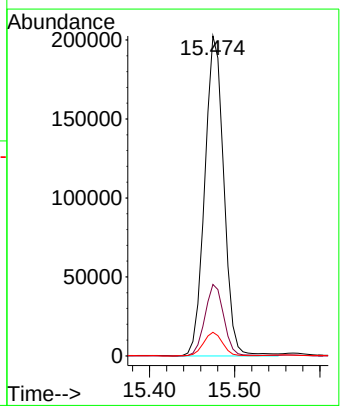


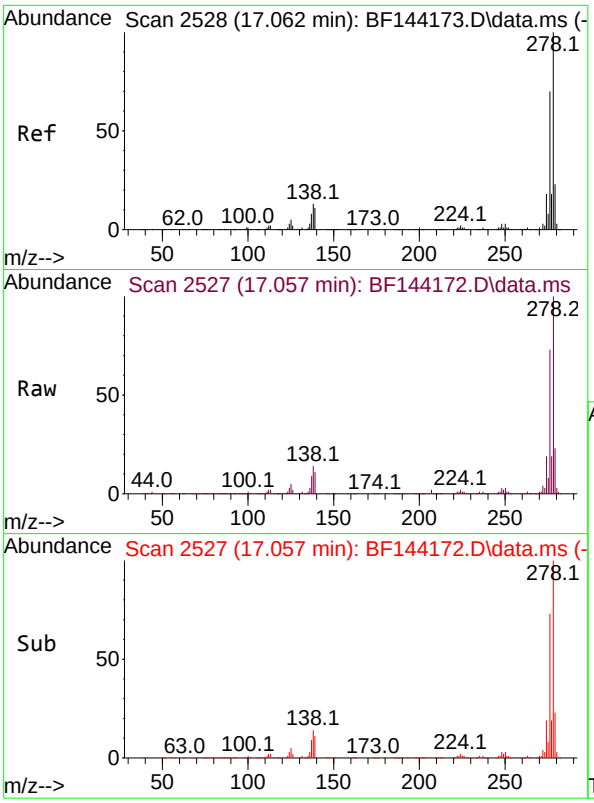


#90
Benzo(a)pyrene
Concen: 20.169 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:252 Resp: 314894

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.7	25.1
125	7.4	5.7	8.5



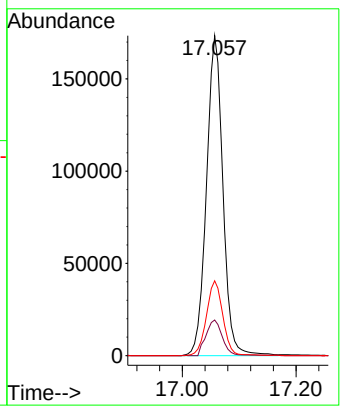


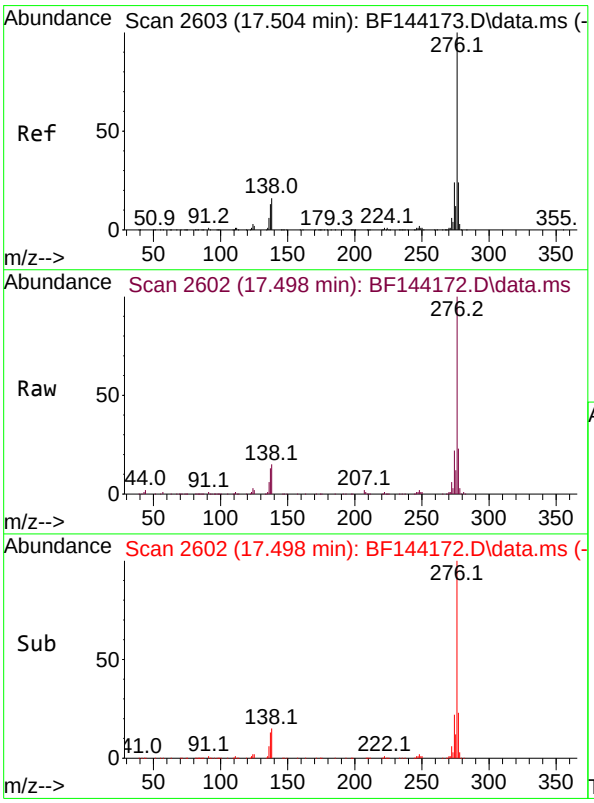
#91
Dibenzo(a,h)anthracene
Concen: 20.383 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 349788

Ion	Ratio	Lower	Upper
278	100		
139	11.1	9.1	13.7
279	23.4	18.2	27.4

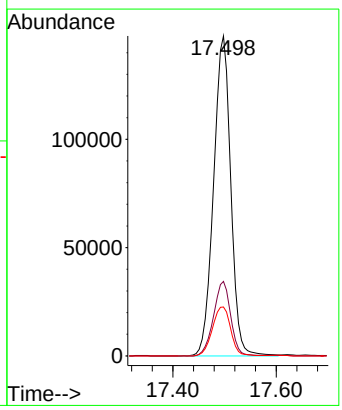




#92
Benzo(g,h,i)perylene
Concen: 20.248 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.023 min
Lab File: BF144172.D
Acq: 05 Nov 2025 14:20

Tgt Ion:276 Resp: 343144

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	15.3	12.9	19.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69901	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	262306	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	148823	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	257329	20.000	ng	0.00
76) Chrysene-d12	14.057	240	162650	20.000	ng	0.00
86) Perylene-d12	15.539	264	208923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	367722	82.322	ng	0.00
7) Phenol-d6	6.504	99	408339	80.678	ng	0.00
23) Nitrobenzene-d5	7.440	82	377687	83.160	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	157795	84.493	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	803464	79.737	ng	0.00
79) Terphenyl-d14	12.992	244	856515	83.645	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.605	88	77384	41.903	ng	100
3) Pyridine	3.375	79	212533	41.251	ng	100
4) n-Nitrosodimethylamine	3.322	42	108374	40.269	ng	100
6) Aniline	6.540	93	288906	40.064	ng	100
8) 2-Chlorophenol	6.657	128	179075	40.879	ng	100
9) Benzaldehyde	6.428	77	114062	39.909	ng	100
10) Phenol	6.516	94	259703	41.997	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	184041	40.844	ng	100
12) 1,3-Dichlorobenzene	6.816	146	215469	39.861	ng	100
13) 1,4-Dichlorobenzene	6.893	146	222488	41.084	ng	100
14) 1,2-Dichlorobenzene	7.045	146	207631	40.001	ng	100
15) Benzyl Alcohol	7.016	79	162316	40.501	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	338078	40.743	ng	100
17) 2-Methylphenol	7.128	107	144386	41.431	ng	100
18) Hexachloroethane	7.387	117	74377	41.339	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	132769	39.848	ng	100
20) 3+4-Methylphenols	7.281	107	169917	41.361	ng	100
22) Acetophenone	7.287	105	227627	40.452	ng	100
24) Nitrobenzene	7.457	77	203520	41.272	ng	100
25) Isophorone	7.692	82	352919	41.082	ng	100
26) 2-Nitrophenol	7.775	139	103181	42.269	ng	100
27) 2,4-Dimethylphenol	7.810	122	156535	42.784	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	221900	41.364	ng	100
29) 2,4-Dichlorophenol	8.016	162	173779	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	176777	40.825	ng	100
31) Naphthalene	8.181	128	508521	40.755	ng	100
32) Benzoic acid	7.916	122	94209	35.128	ng	100
33) 4-Chloroaniline	8.228	127	190054	41.763	ng	100
34) Hexachlorobutadiene	8.292	225	135990	41.671	ng	100
35) Caprolactam	8.598	113	48459	41.945	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	155844	41.237	ng	100
37) 2-Methylnaphthalene	8.869	142	339639	40.712	ng	100
38) 1-Methylnaphthalene	8.969	142	325483	40.435	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	200998	41.210	ng	100
41) Hexachlorocyclopentadiene	9.022	237	59520	39.991	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	135691	40.875	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

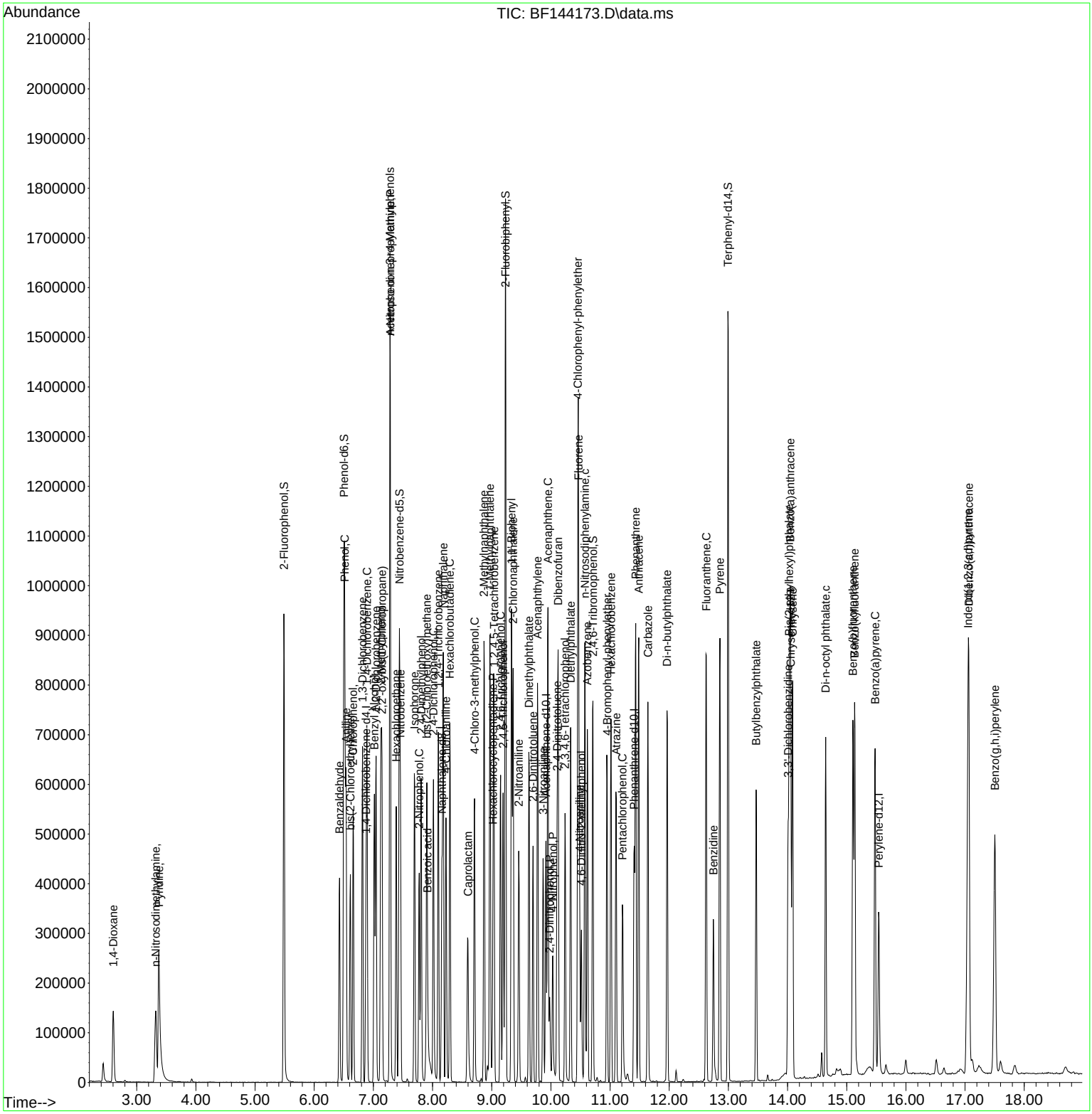
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	145405	40.641	ng	100
46) 1,1'-Biphenyl	9.334	154	419119	40.345	ng	100
47) 2-Chloronaphthalene	9.363	162	358514	40.458	ng	100
48) 2-Nitroaniline	9.457	65	107536	42.059	ng	100
49) Acenaphthylene	9.775	152	489708	40.553	ng	100
50) Dimethylphthalate	9.628	163	400479	40.620	ng	100
51) 2,6-Dinitrotoluene	9.698	165	82166	41.169	ng	100
52) Acenaphthene	9.951	154	326285	40.406	ng	100
53) 3-Nitroaniline	9.869	138	93636	42.918	ng	100
54) 2,4-Dinitrophenol	9.981	184	41716	34.614	ng	100
55) Dibenzofuran	10.122	168	461538	40.810	ng	100
56) 4-Nitrophenol	10.034	139	60643	38.426	ng	100
57) 2,4-Dinitrotoluene	10.104	165	114508	42.858	ng	100
58) Fluorene	10.469	166	351182	40.841	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	106411	42.037	ng	100
60) Diethylphthalate	10.334	149	373187	41.061	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	203750	41.598	ng	100
62) 4-Nitroaniline	10.486	138	85679	41.237	ng	100
63) Azobenzene	10.616	77	346367	40.948	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	67029	38.343	ng	100
66) n-Nitrosodiphenylamine	10.575	169	332623	40.189	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	135319	41.198	ng	100
68) Hexachlorobenzene	11.016	284	154532	39.943	ng	100
69) Atrazine	11.104	200	105912	40.239	ng	100
70) Pentachlorophenol	11.210	266	80306	41.685	ng	100
71) Phenanthrene	11.433	178	519052	40.513	ng	100
72) Anthracene	11.486	178	525954	40.372	ng	100
73) Carbazole	11.639	167	451935	40.796	ng	100
74) Di-n-butylphthalate	11.963	149	550628	41.117	ng	100
75) Fluoranthene	12.627	202	542525	40.992	ng	100
77) Benzidine	12.745	184	202921	42.178	ng	100
78) Pyrene	12.857	202	554374	42.272	ng	100
80) Butylbenzylphthalate	13.469	149	191850	42.209	ng	100
81) Benzo(a)anthracene	14.045	228	465201	41.267	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	156957	40.620	ng	100
83) Chrysene	14.086	228	456347	43.853	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	265384	42.651	ng	100
85) Di-n-octyl phthalate	14.645	149	458823	42.739	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	620668	41.385	ng	100
88) Benzo(b)fluoranthene	15.104	252	515192	43.375	ng	100
89) Benzo(k)fluoranthene	15.133	252	435087	39.135	ng	100
90) Benzo(a)pyrene	15.480	252	449869	41.055	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	500778	41.578	ng	100
92) Benzo(g,h,i)perylene	17.504	276	497680	41.843	ng	100

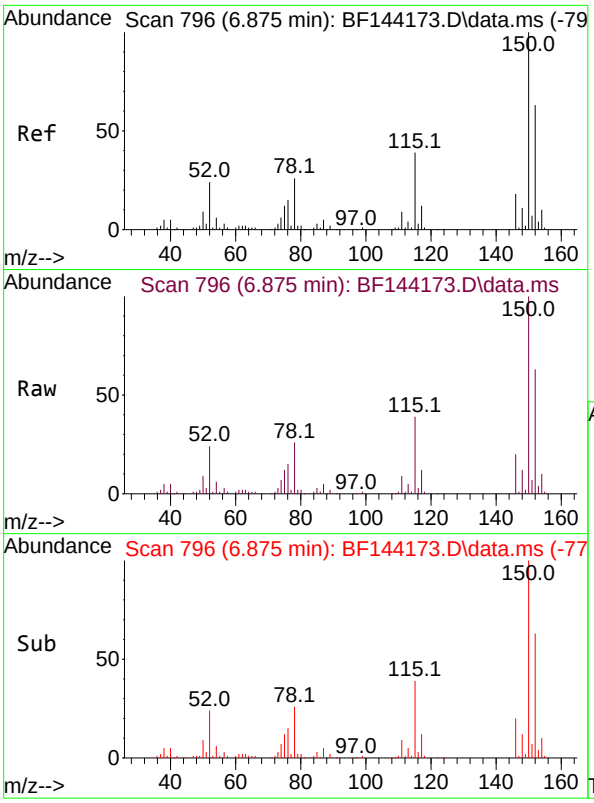
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144173.D
Acq On : 05 Nov 2025 14:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 17:24:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



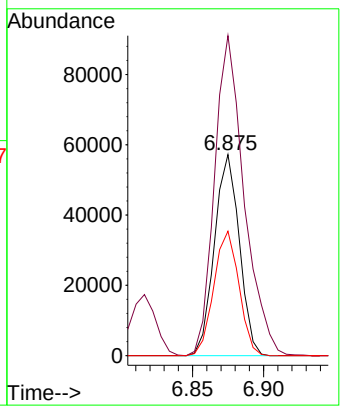


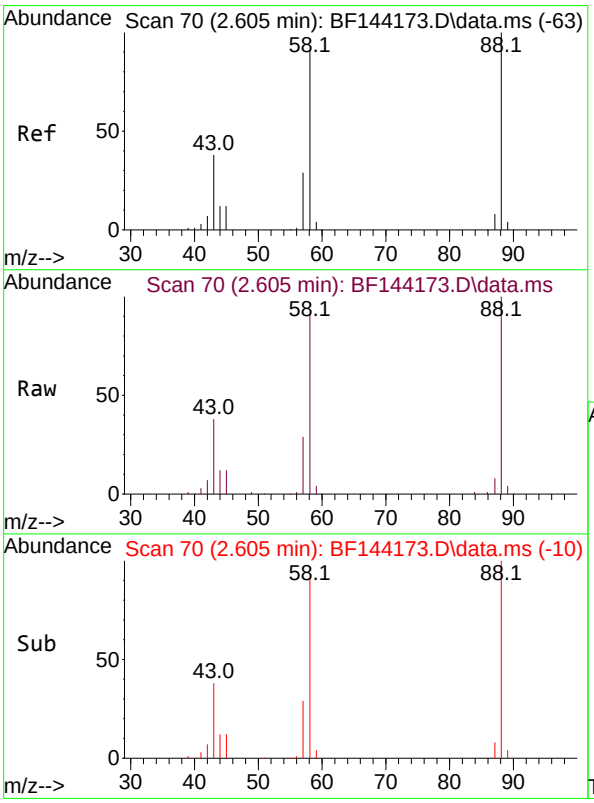
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 69901

Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.4	191.0
115	61.9	49.5	74.3

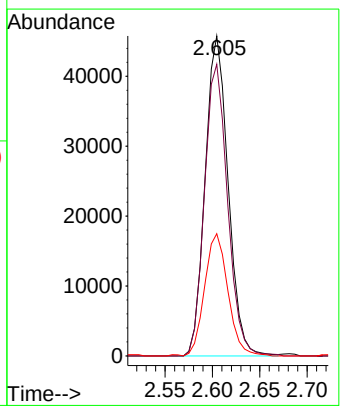


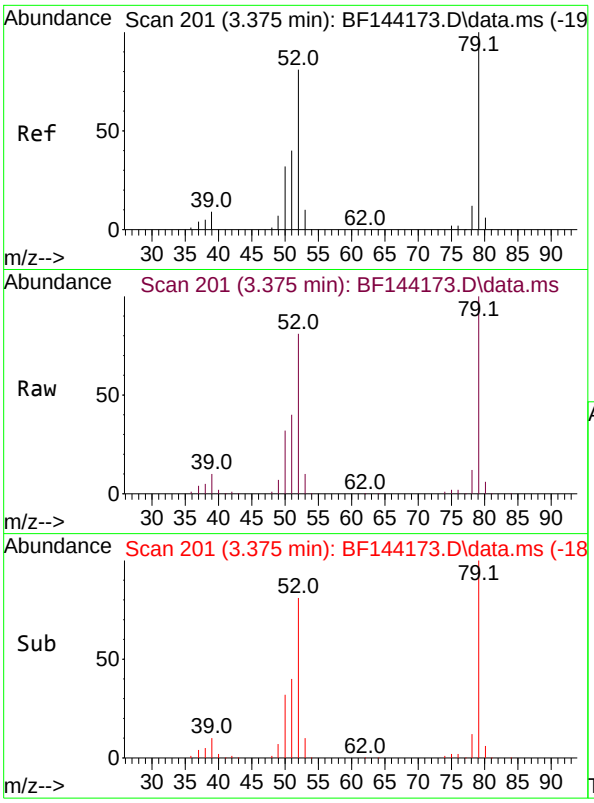


#2
1,4-Dioxane
Concen: 41.903 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 88 Resp: 77384

Ion	Ratio	Lower	Upper
88	100		
58	91.4	73.1	109.7
43	38.8	31.0	46.6



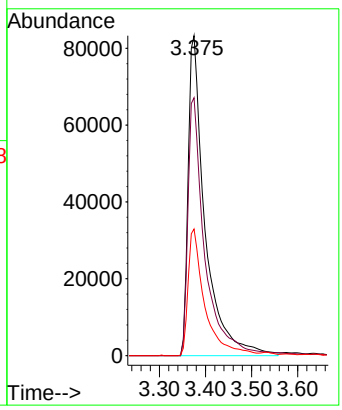


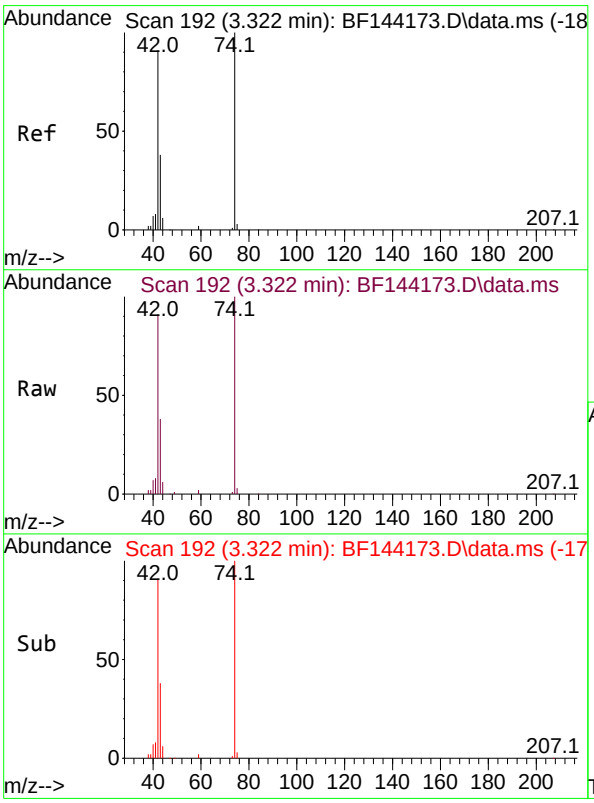
#3
Pyridine
Concen: 41.251 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 212533

Ion	Ratio	Lower	Upper
79	100		
52	80.6	64.5	96.7
51	39.6	31.7	47.5

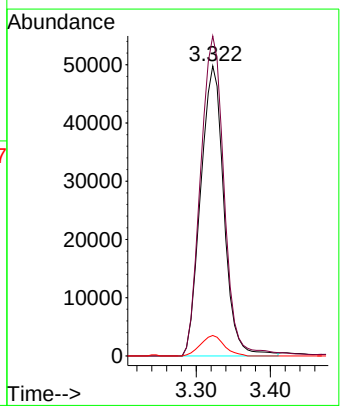


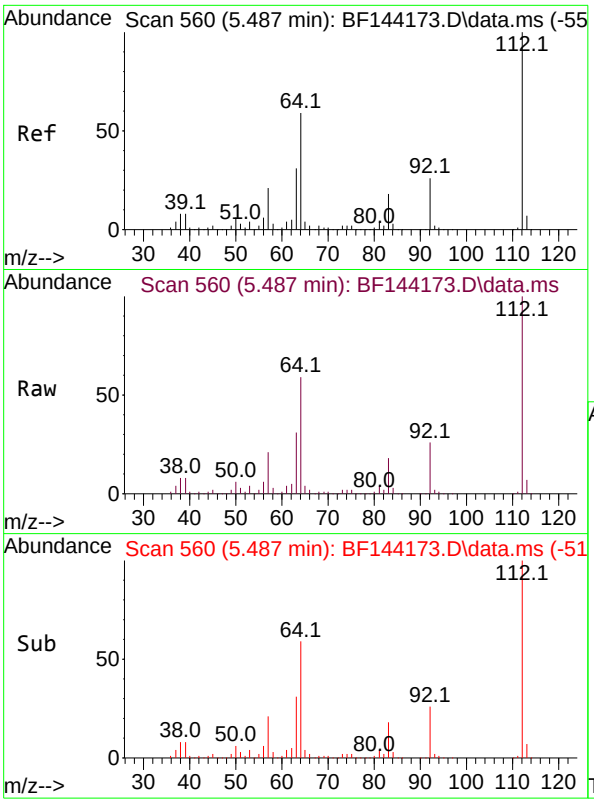


#4
n-Nitrosodimethylamine
Concen: 40.269 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 42 Resp: 108374

Ion	Ratio	Lower	Upper
42	100		
74	110.3	88.2	132.4
44	7.1	5.7	8.5



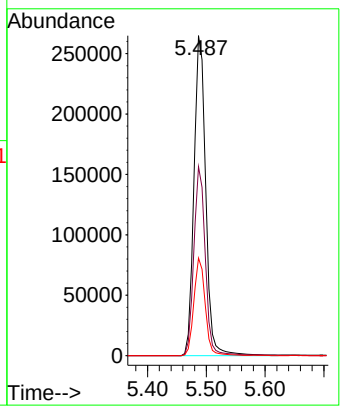


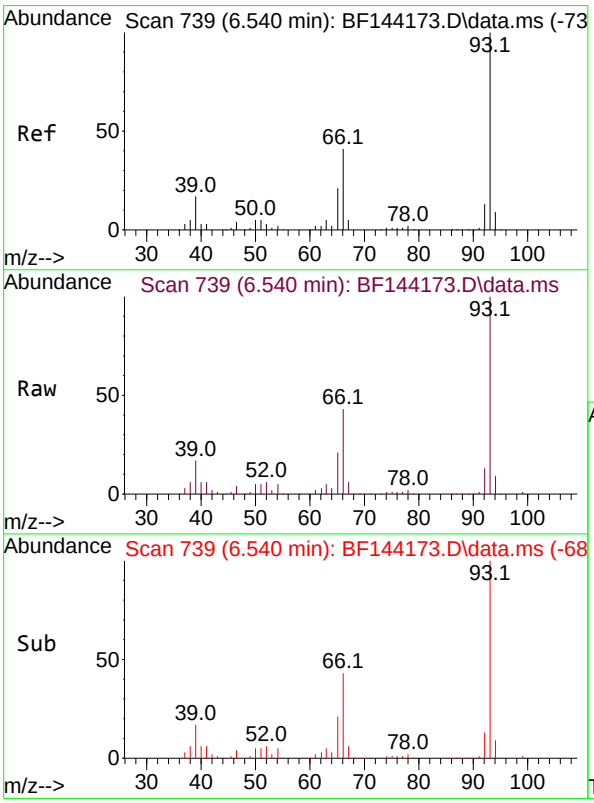
#5
2-Fluorophenol
Concen: 82.322 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 367722

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.2	70.8
63	30.5	24.4	36.6

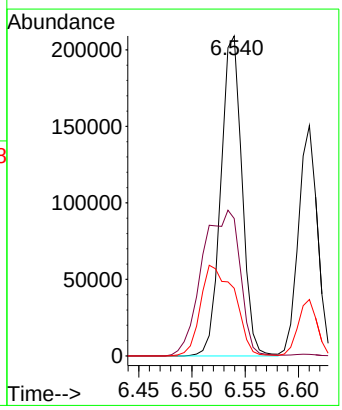


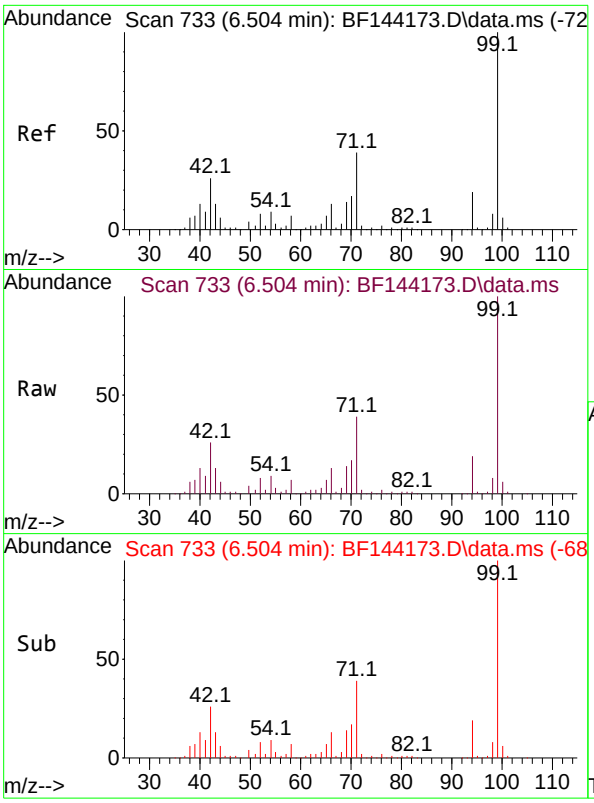


#6
Aniline
Concen: 40.064 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 93 Resp: 288906

Ion	Ratio	Lower	Upper
93	100		
66	42.9	34.3	51.5
65	21.1	16.9	25.3



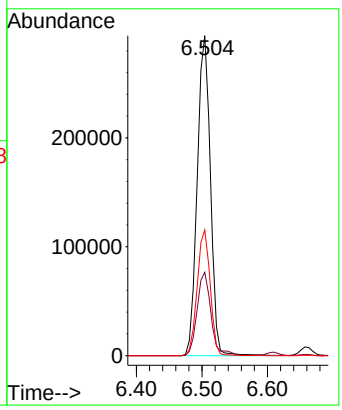


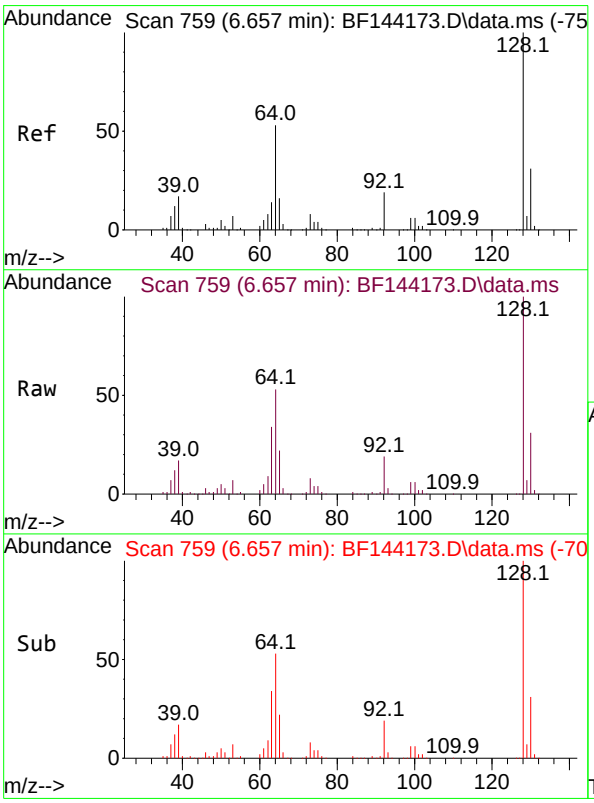
#7
Phenol-d6
Concen: 80.678 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 408339

Ion	Ratio	Lower	Upper
99	100		
42	26.1	20.9	31.3
71	39.3	31.4	47.2

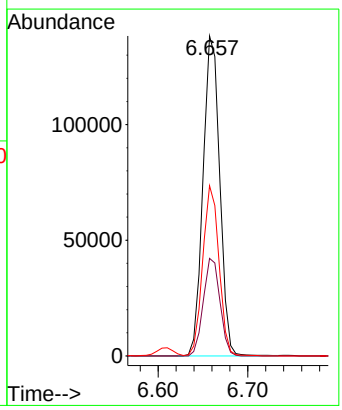


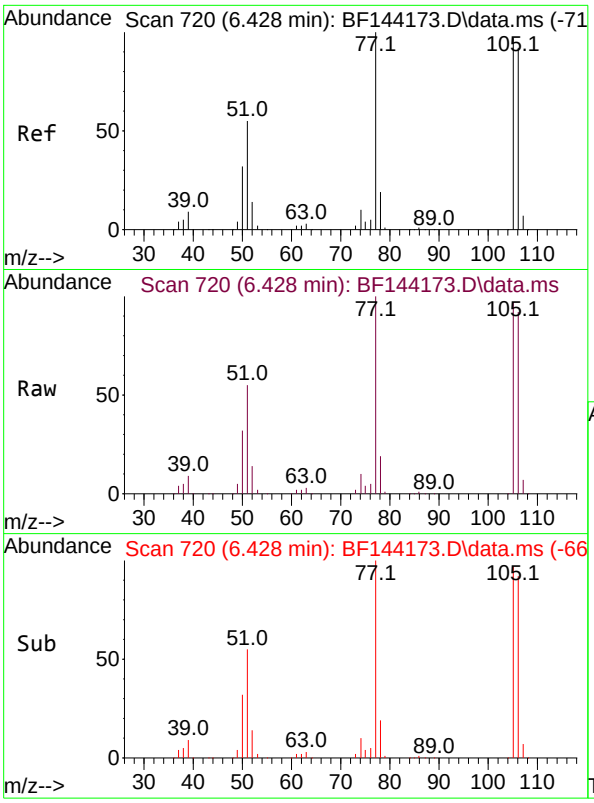


#8
2-Chlorophenol
Concen: 40.879 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:128 Resp: 179075

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.5	50.5
64	53.2	33.2	73.2



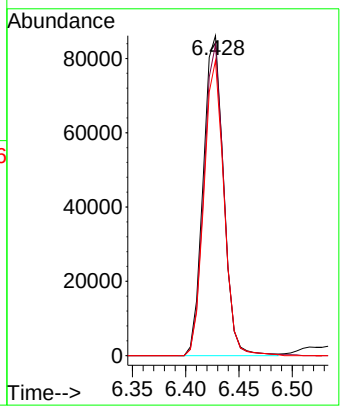


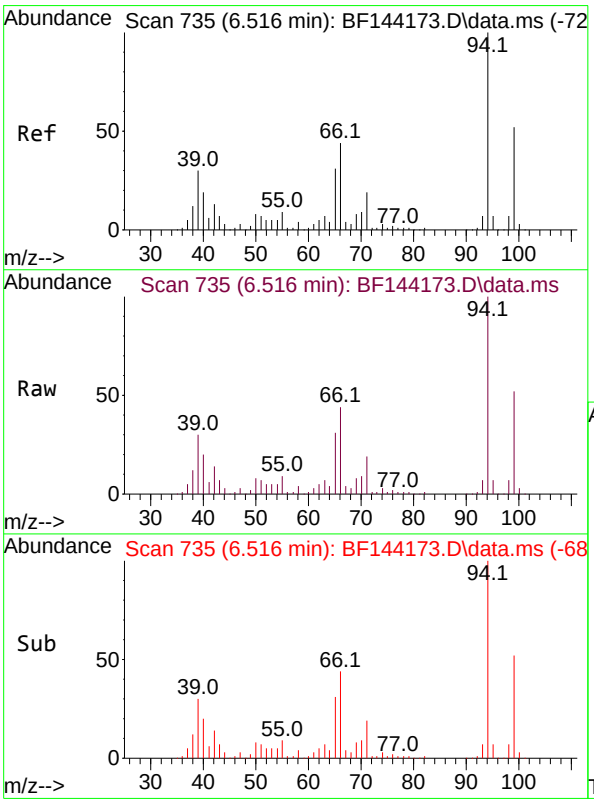
#9
Benzaldehyde
Concen: 39.909 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 114062

Ion	Ratio	Lower	Upper
77	100		
105	97.2	77.2	117.2
106	92.2	72.2	112.2

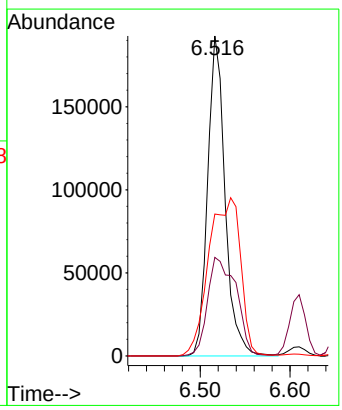


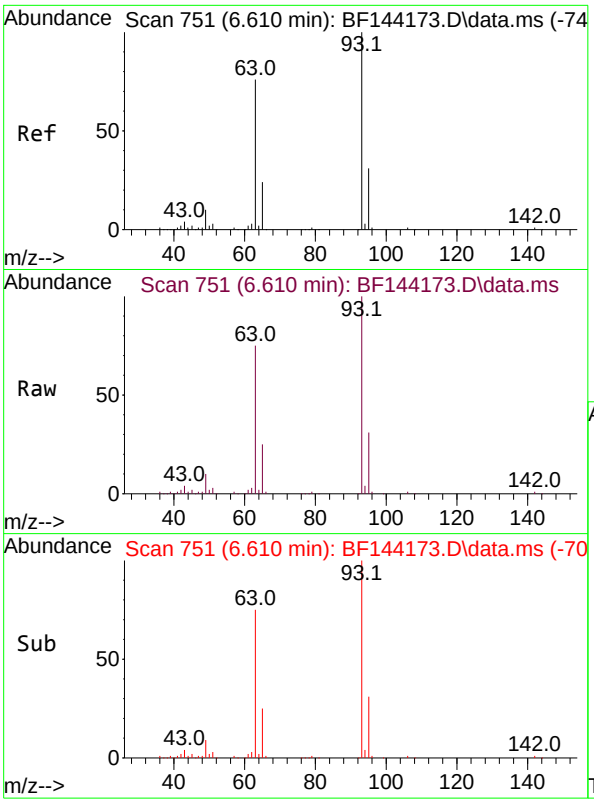


#10
Phenol
Concen: 41.997 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 94 Resp: 259703

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	44.3	24.3	64.3



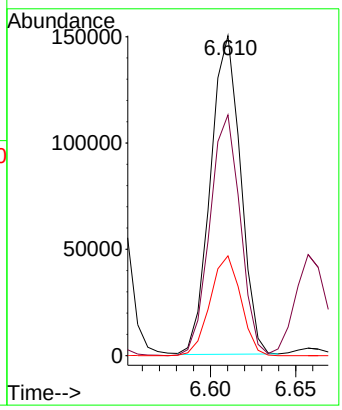


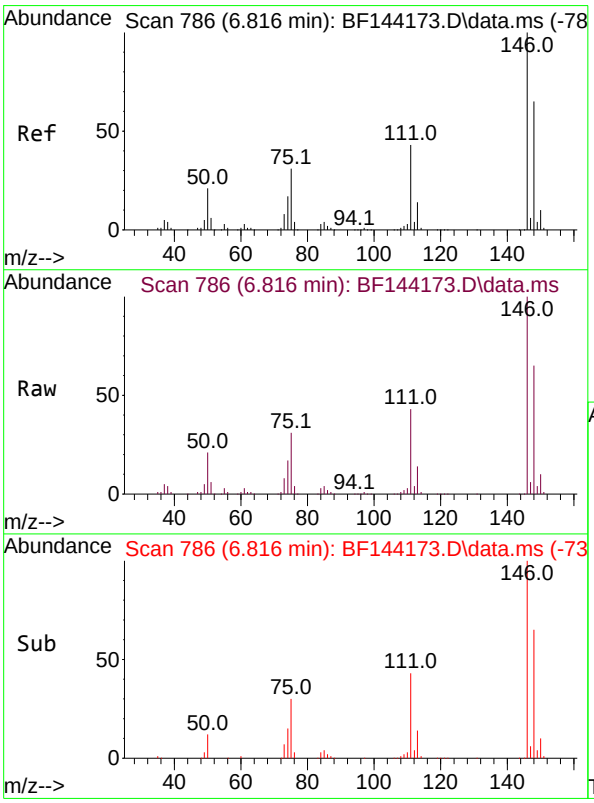
#11
bis(2-Chloroethyl)ether
Concen: 40.844 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 184041

Ion	Ratio	Lower	Upper
93	100		
63	75.2	55.2	95.2
95	31.2	11.2	51.2

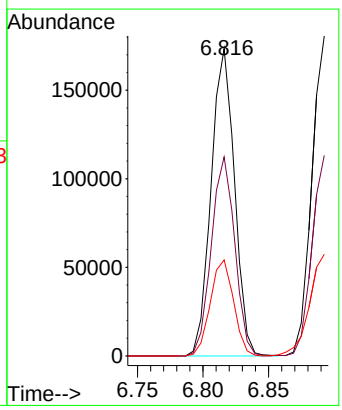


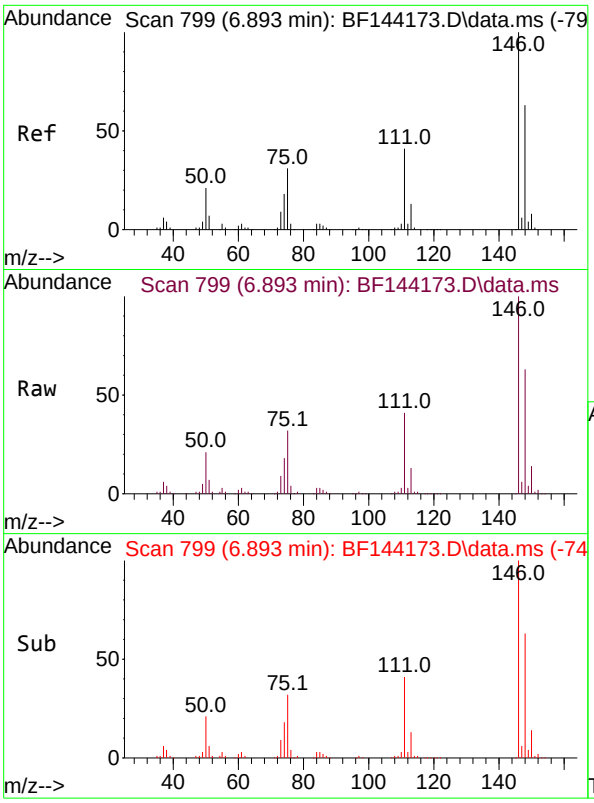


#12
1,3-Dichlorobenzene
Concen: 39.861 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:146 Resp: 215469

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	31.2	25.0	37.4



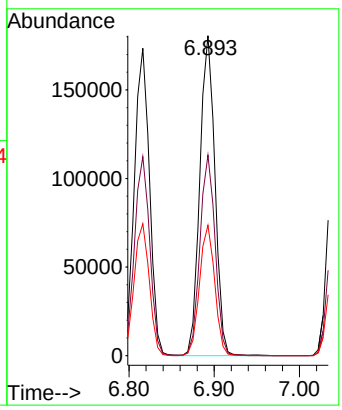


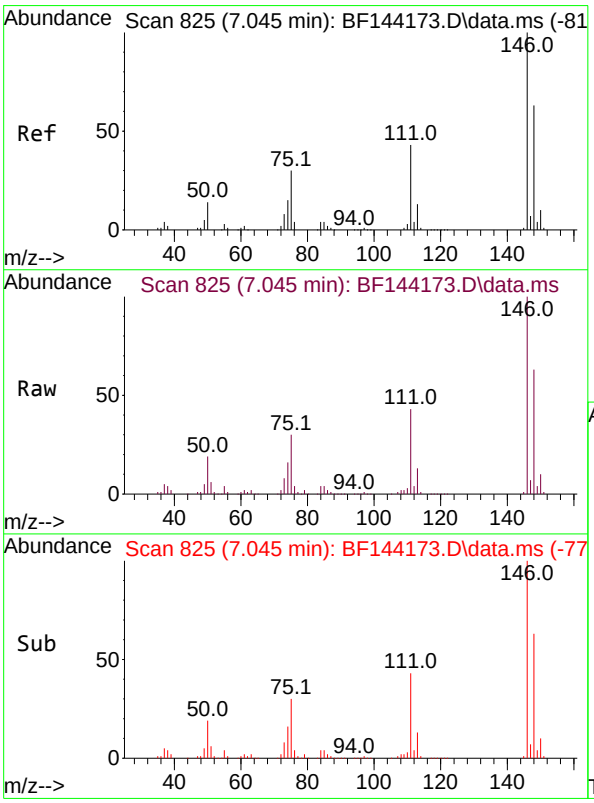
#13
1,4-Dichlorobenzene
Concen: 41.084 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 222488

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	40.7	32.6	48.8

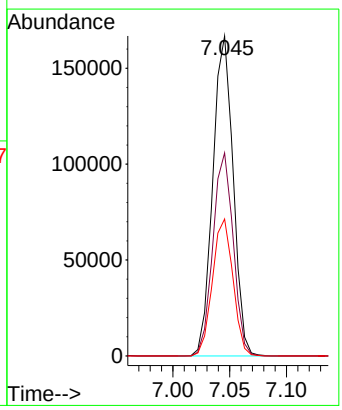


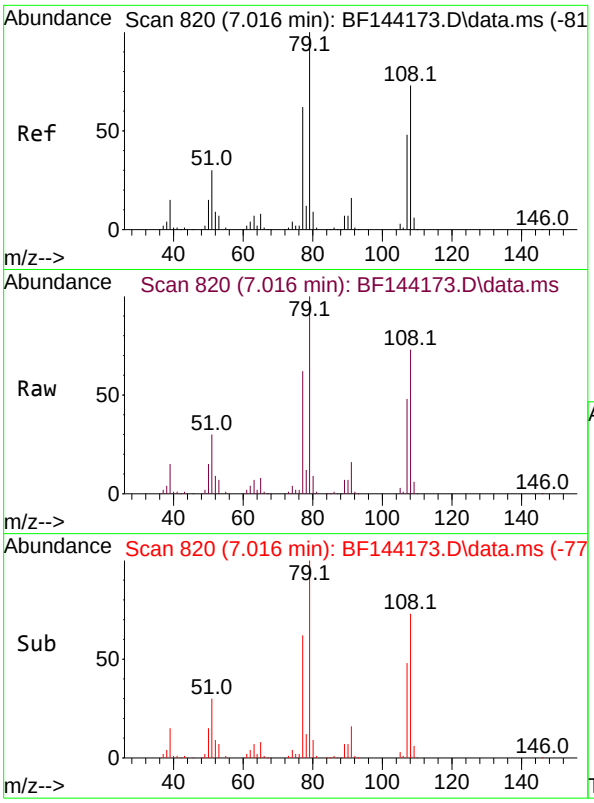


#14
1,2-Dichlorobenzene
Concen: 40.001 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:146 Resp: 207631

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	42.8	34.2	51.4



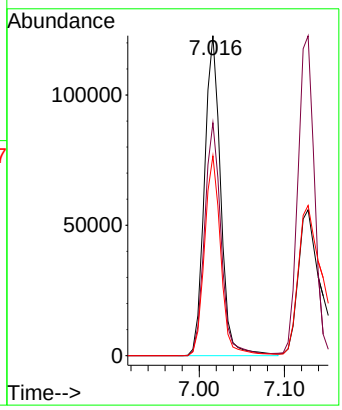


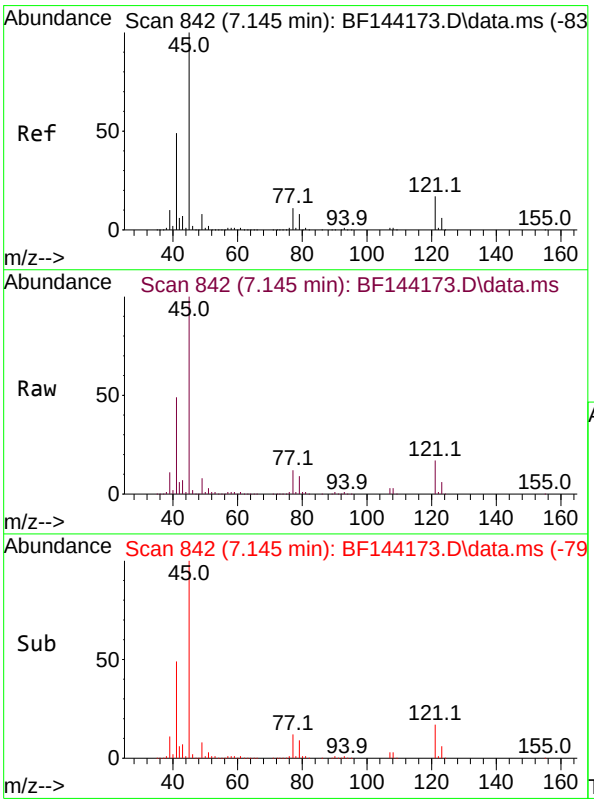
#15
Benzyl Alcohol
Concen: 40.501 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 162316

Ion	Ratio	Lower	Upper
79	100		
108	72.8	58.2	87.4
77	62.4	49.9	74.9

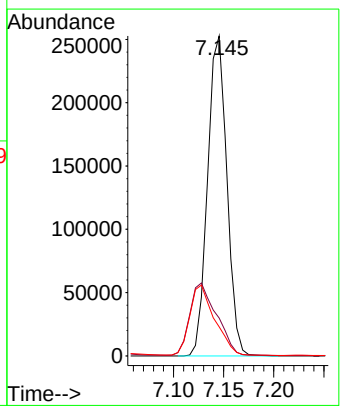


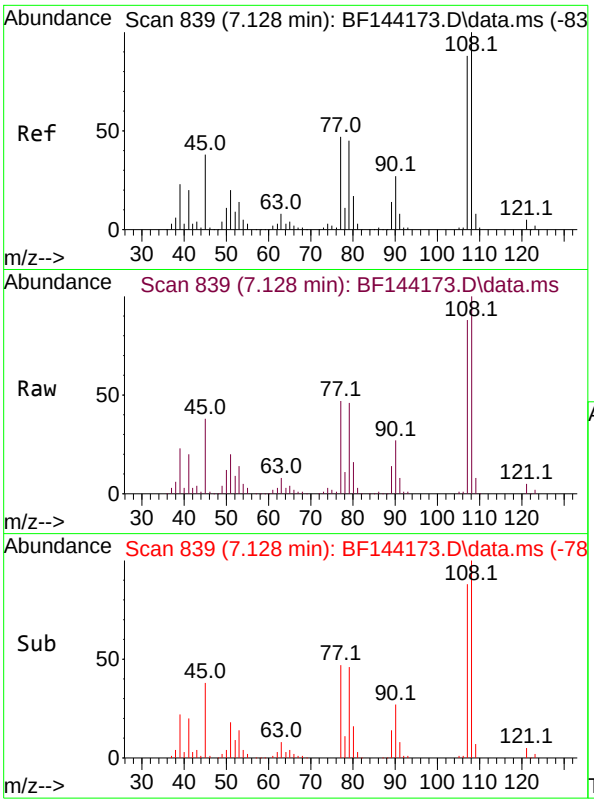


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.743 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 45 Resp: 338078

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.1	0.0	29.1



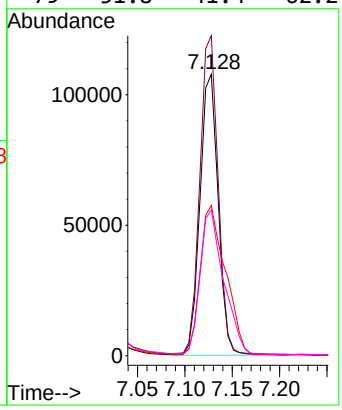


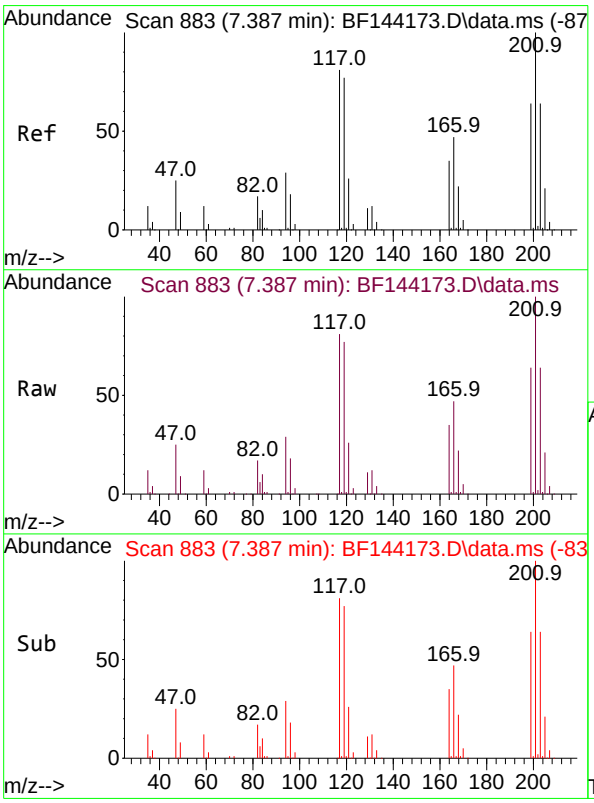
#17
2-Methylphenol
Concen: 41.431 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 144386

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	53.4	42.7	64.1
79	51.8	41.4	62.2

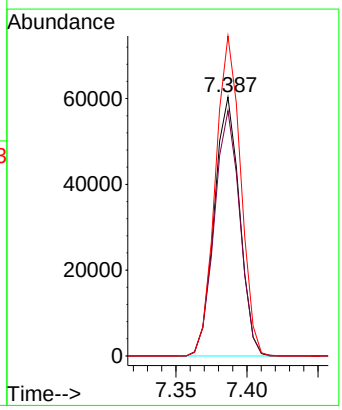


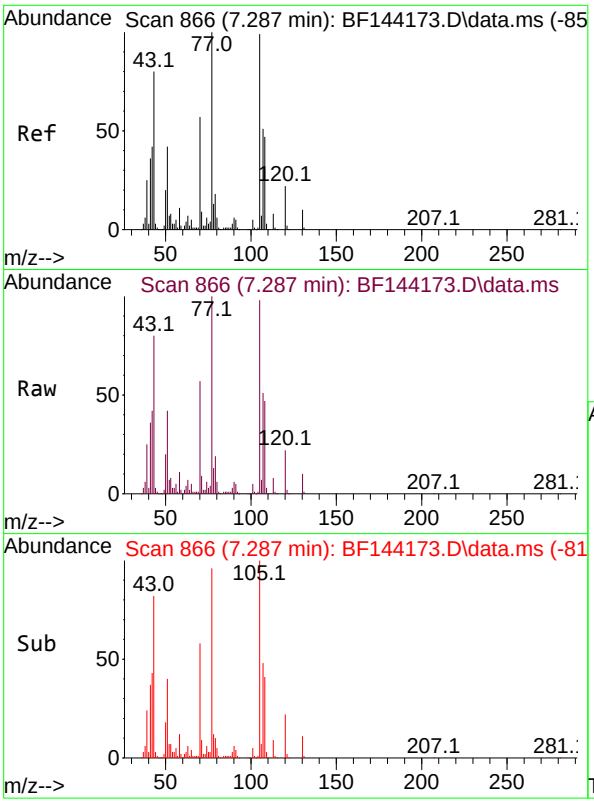


#18
Hexachloroethane
Concen: 41.339 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:117 Resp: 74377

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	123.6	98.9	148.3



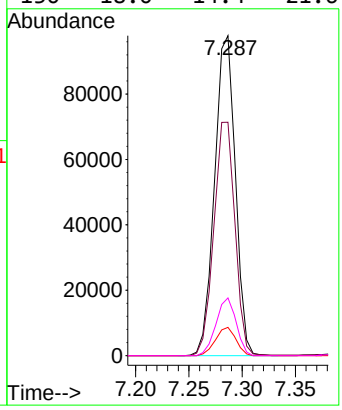


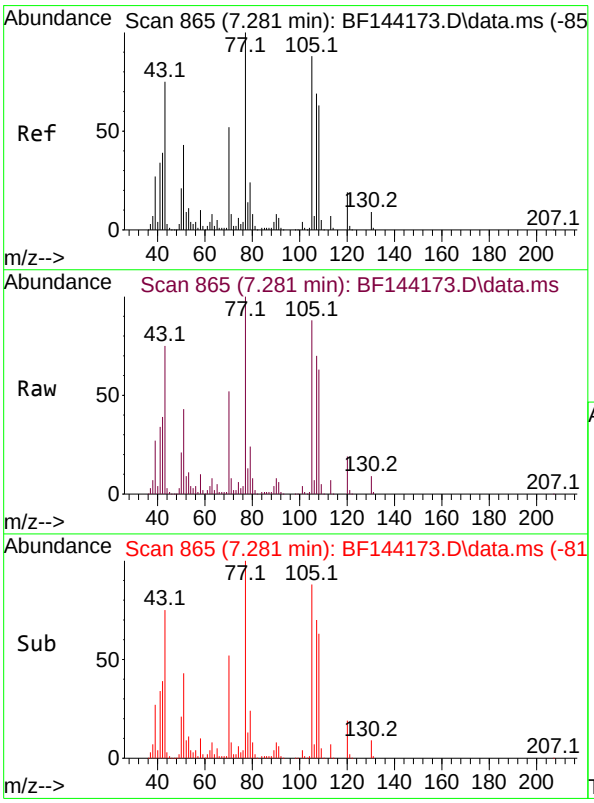
#19
n-Nitroso-di-n-propylamine
Concen: 39.848 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 132769

Ion	Ratio	Lower	Upper
70	100		
42	72.9	58.3	87.5
101	8.8	7.0	10.6
130	18.0	14.4	21.6

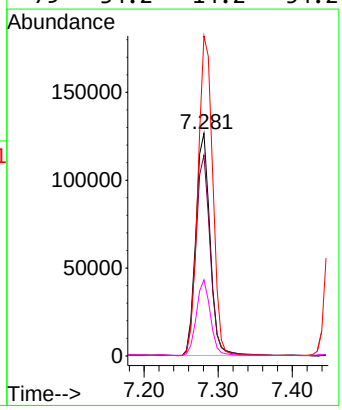


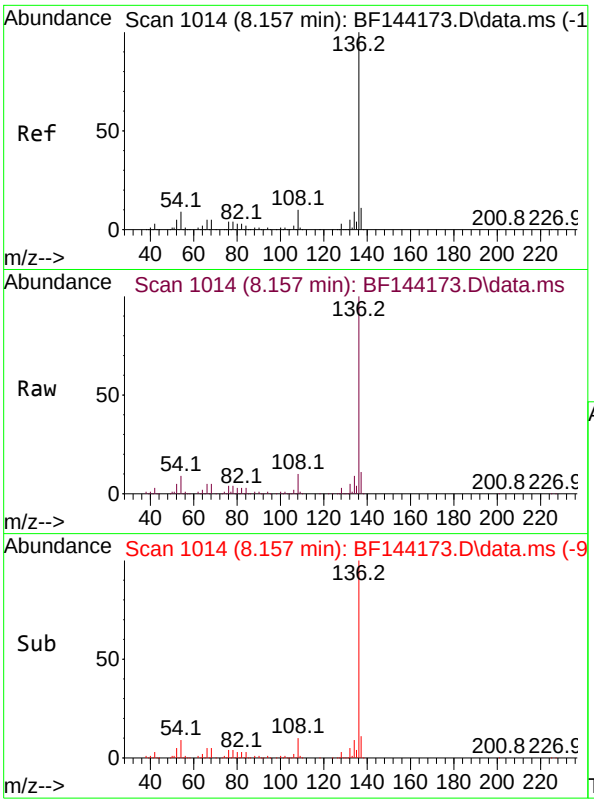


#20
3+4-Methylphenols
Concen: 41.361 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:107 Resp: 169917

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.2	110.2
77	143.9	123.9	163.9
79	34.2	14.2	54.2



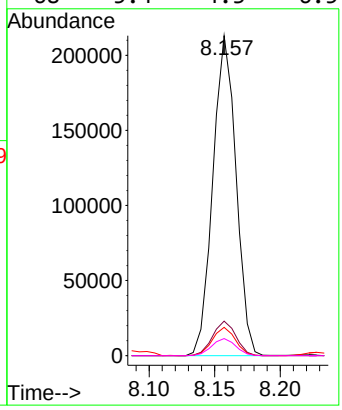


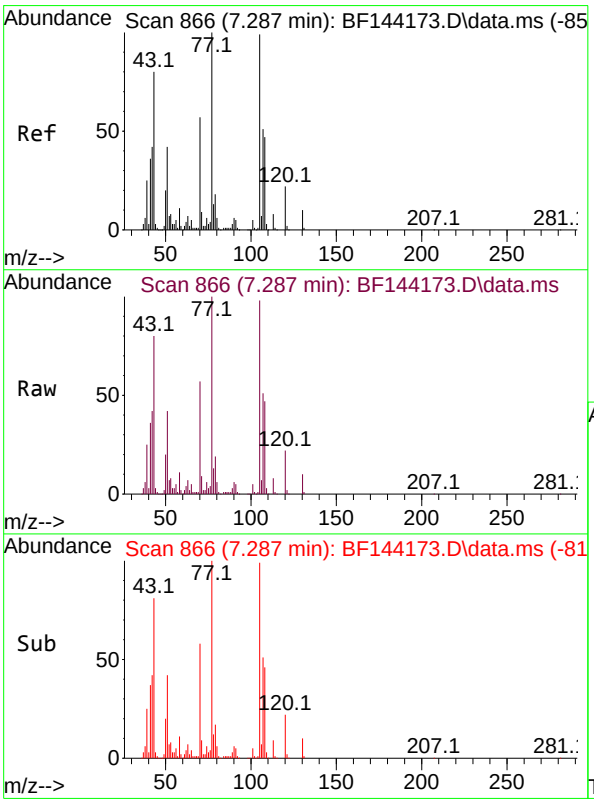
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 262306

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.0	10.6
68	5.4	4.3	6.5

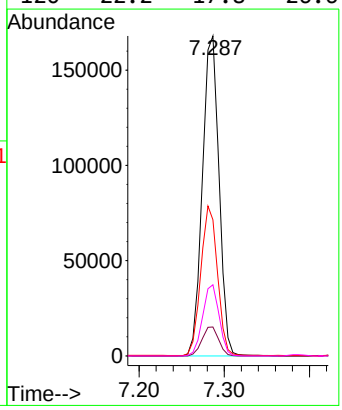


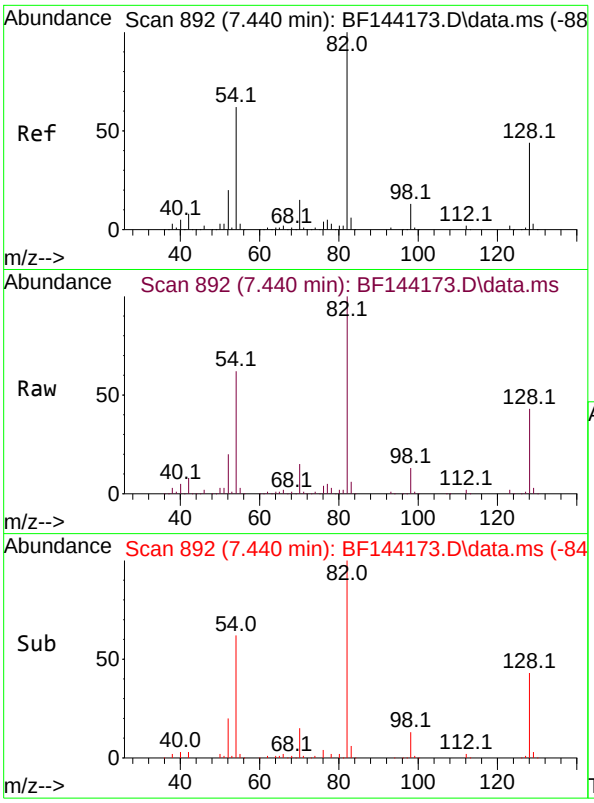


#22
Acetophenone
Concen: 40.452 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:105 Resp: 227627

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	42.5	34.0	51.0
120	22.2	17.8	26.6



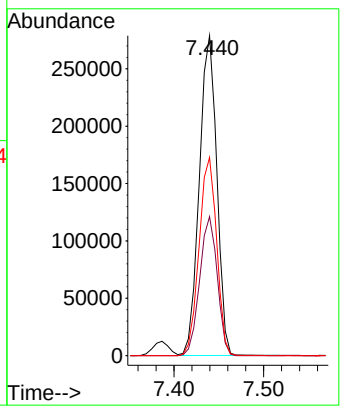


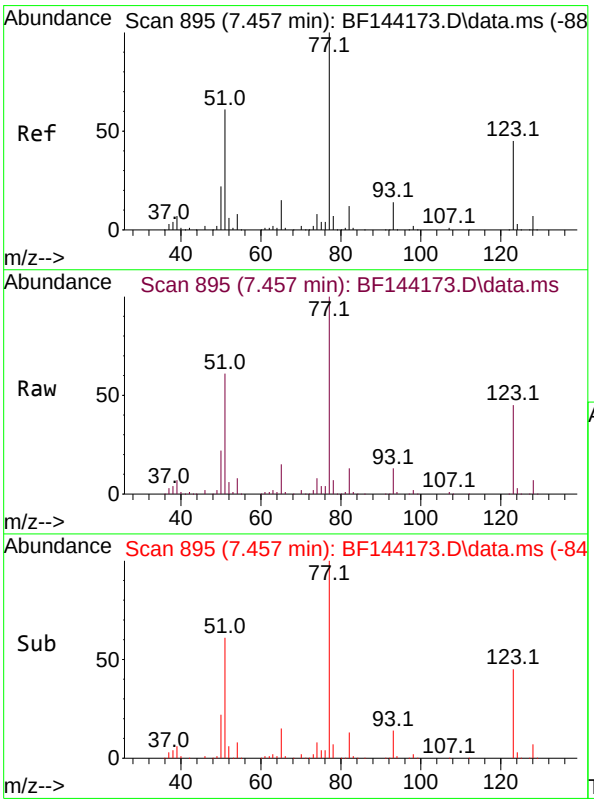
#23
Nitrobenzene-d5
Concen: 83.160 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 377687

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.7	52.1
54	61.9	49.5	74.3

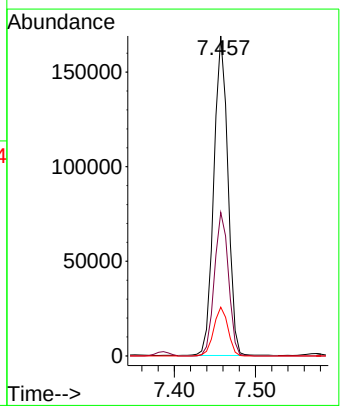


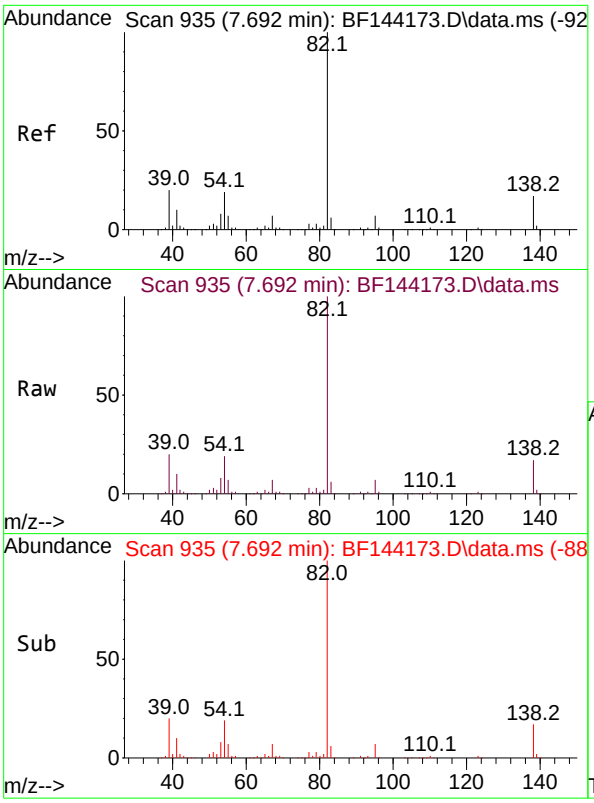


#24
Nitrobenzene
Concen: 41.272 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 77 Resp: 203520

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.8
65	15.2	12.2	18.2



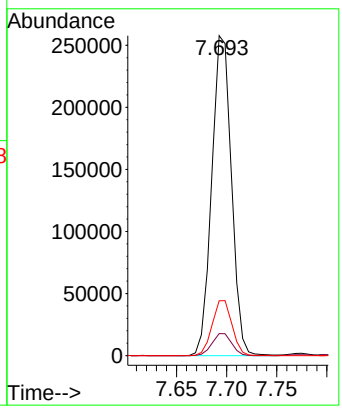


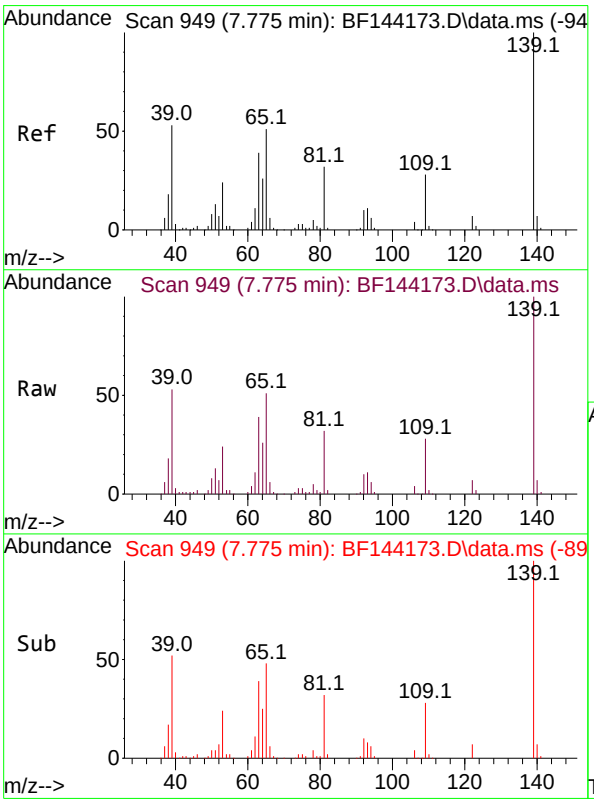
#25
Isophorone
Concen: 41.082 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 352919

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.1	13.7	20.5

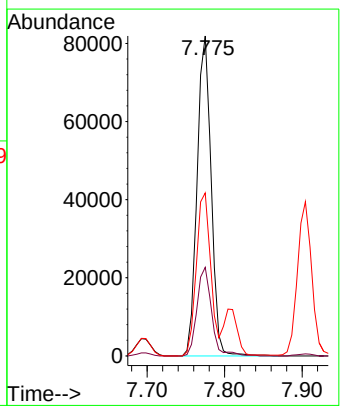


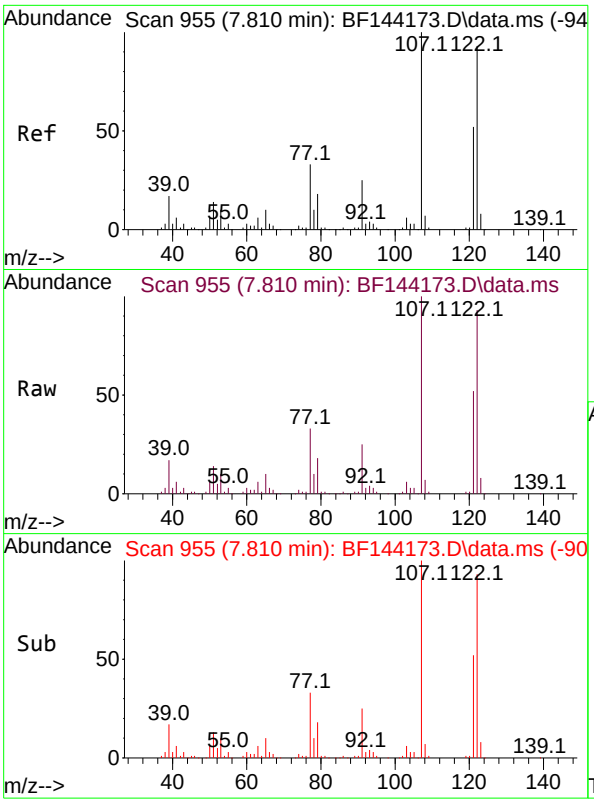


#26
2-Nitrophenol
Concen: 42.269 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:139 Resp: 103181

Ion	Ratio	Lower	Upper
139	100		
109	27.7	22.2	33.2
65	50.9	40.7	61.1



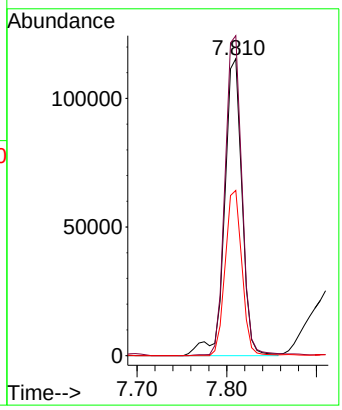


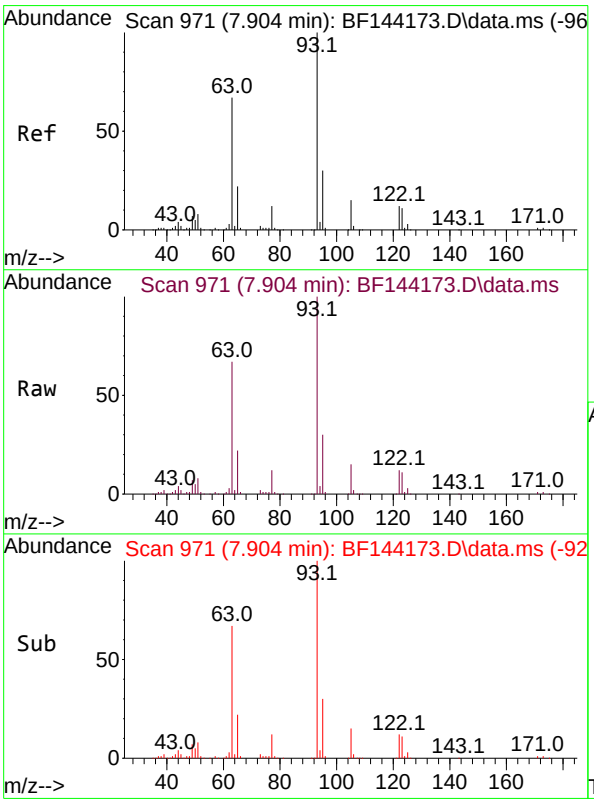
#27
2,4-Dimethylphenol
Concen: 42.784 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 156535

Ion	Ratio	Lower	Upper
122	100		
107	107.8	86.2	129.4
121	55.7	44.6	66.8

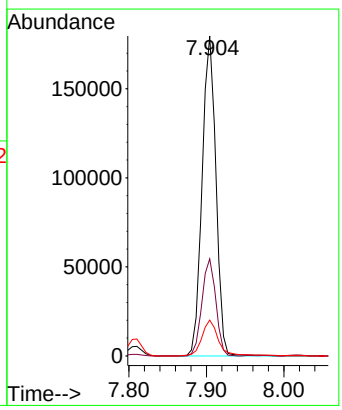


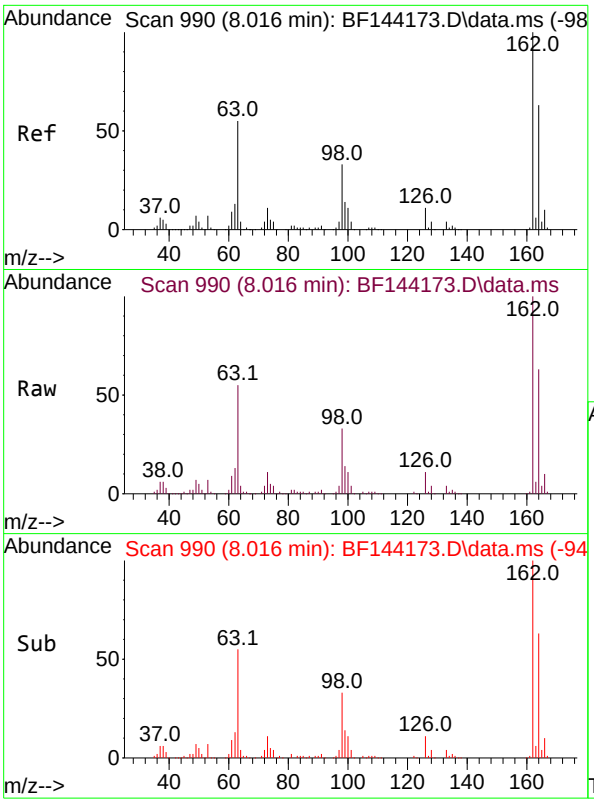


#28
bis(2-Chloroethoxy)methane
Concen: 41.364 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 93 Resp: 221900

Ion	Ratio	Lower	Upper
93	100		
95	30.3	24.2	36.4
123	11.2	9.0	13.4



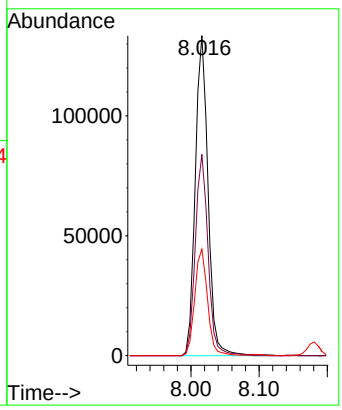


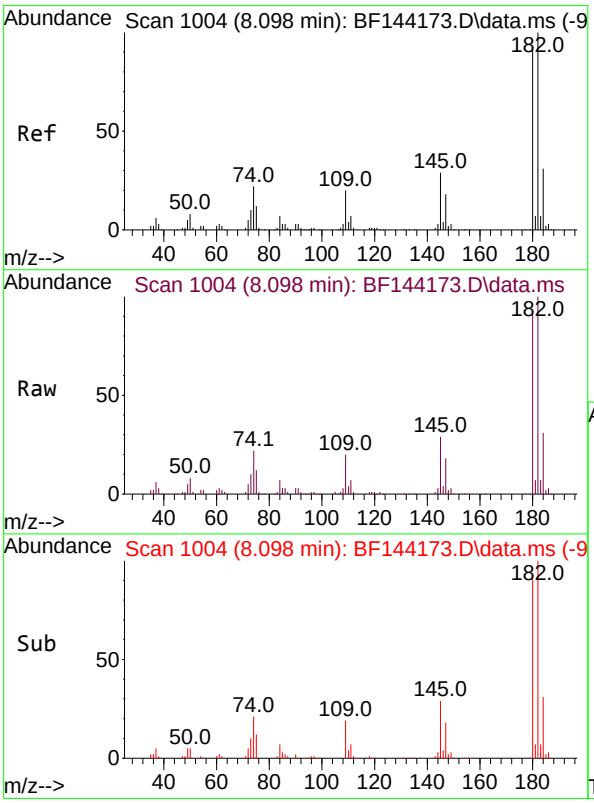
#29
2,4-Dichlorophenol
Concen: 41.210 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 173779

Ion	Ratio	Lower	Upper
162	100		
164	62.9	42.9	82.9
98	33.3	13.3	53.3

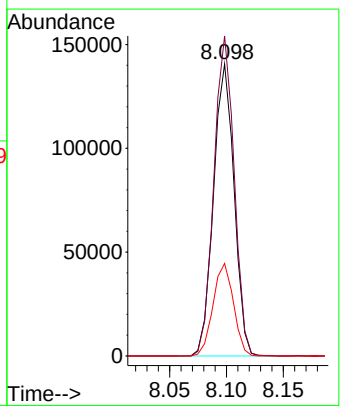


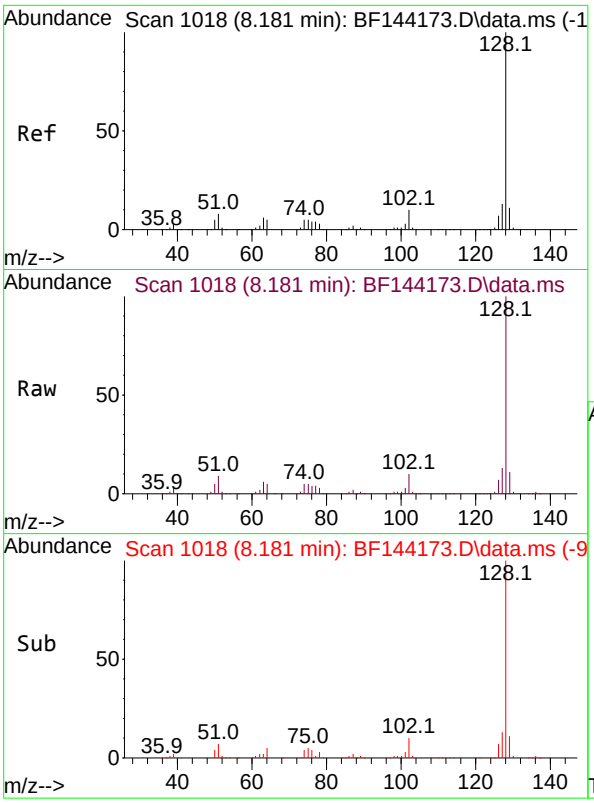


#30
1,2,4-Trichlorobenzene
Concen: 40.825 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:180 Resp: 176777

Ion	Ratio	Lower	Upper
180	100		
182	109.6	87.7	131.5
145	31.7	25.4	38.0



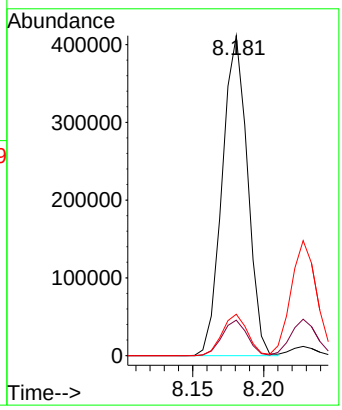


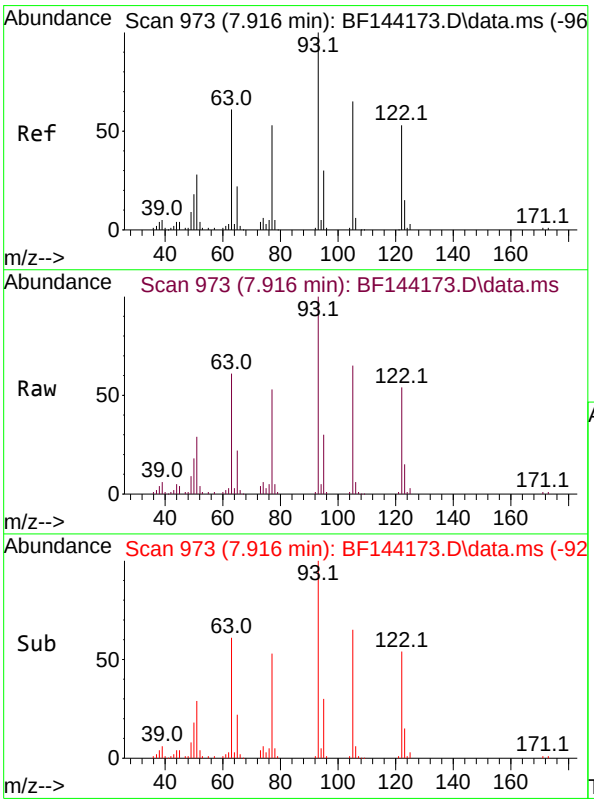
#31
Naphthalene
Concen: 40.755 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 508521

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.9	10.3	15.5

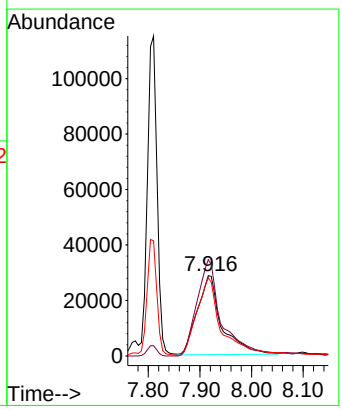


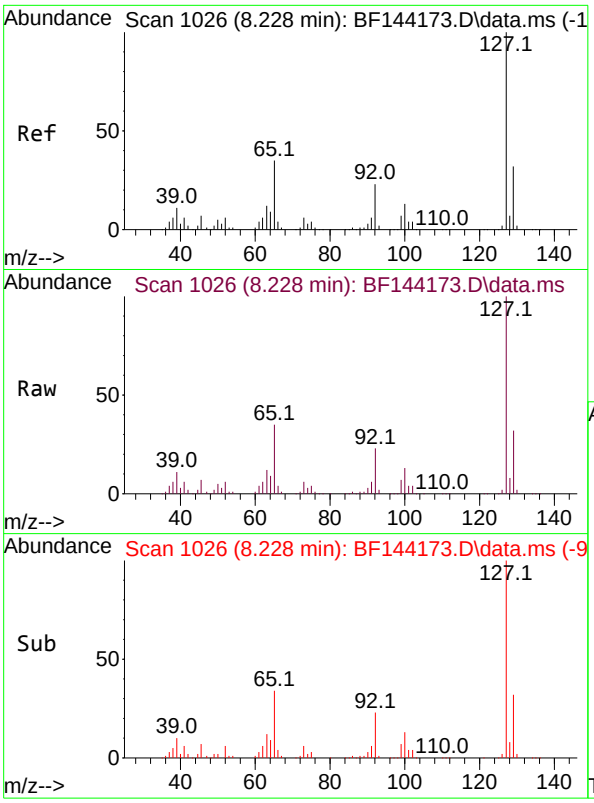


#32
Benzoic acid
Concen: 35.128 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:122 Resp: 94209

Ion	Ratio	Lower	Upper
122	100		
105	119.9	99.9	139.9
77	97.5	77.5	117.5



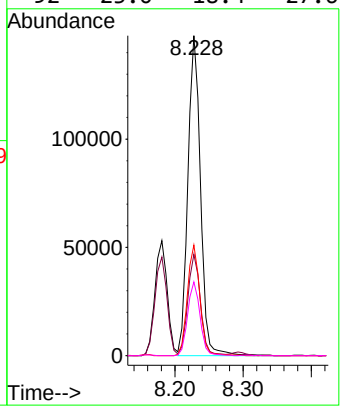


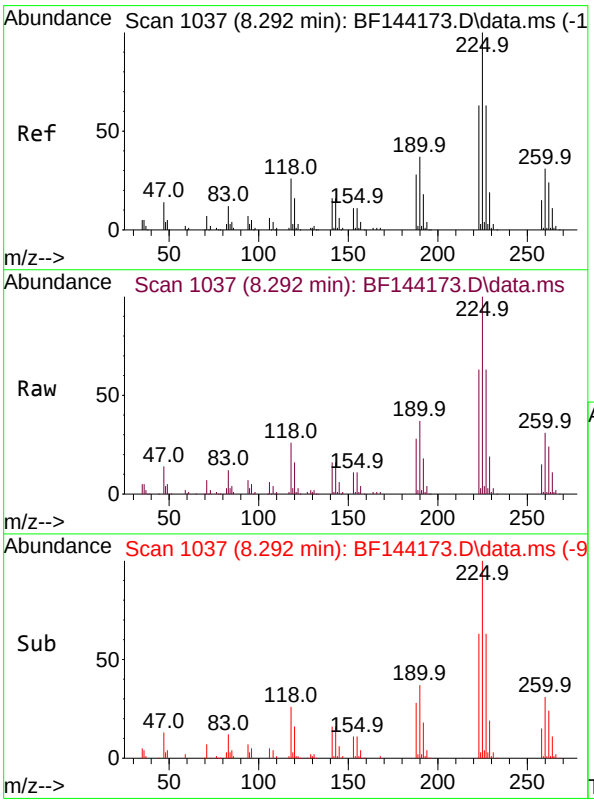
#33
4-Chloroaniline
Concen: 41.763 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 190054

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	34.5	27.6	41.4
92	23.0	18.4	27.6

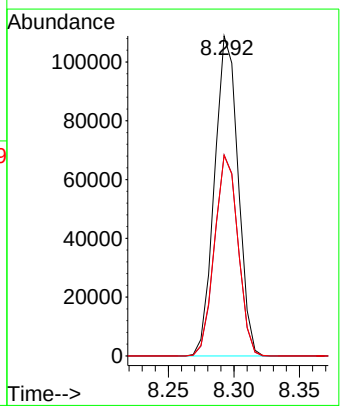


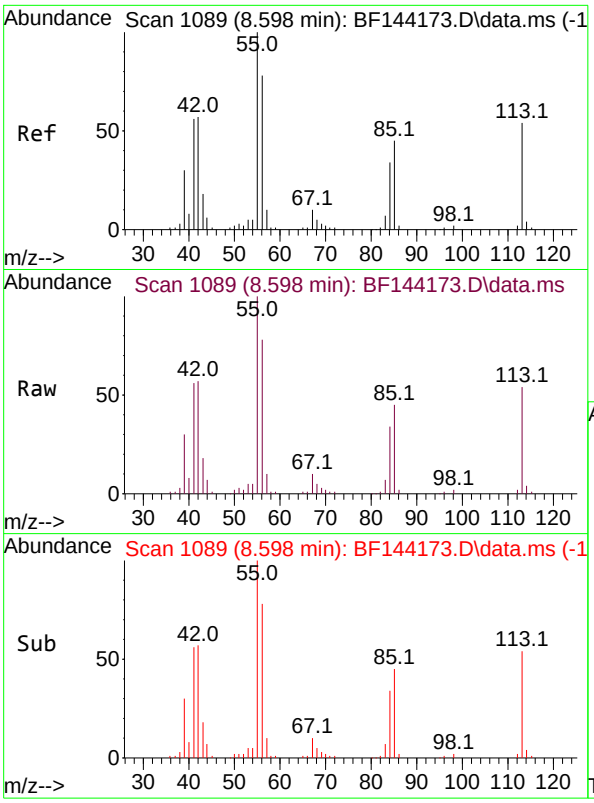


#34
Hexachlorobutadiene
Concen: 41.671 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:225 Resp: 135990

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	62.6	50.1	75.1



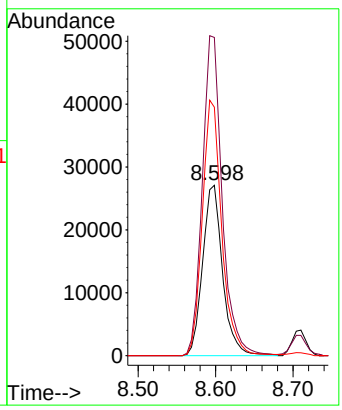


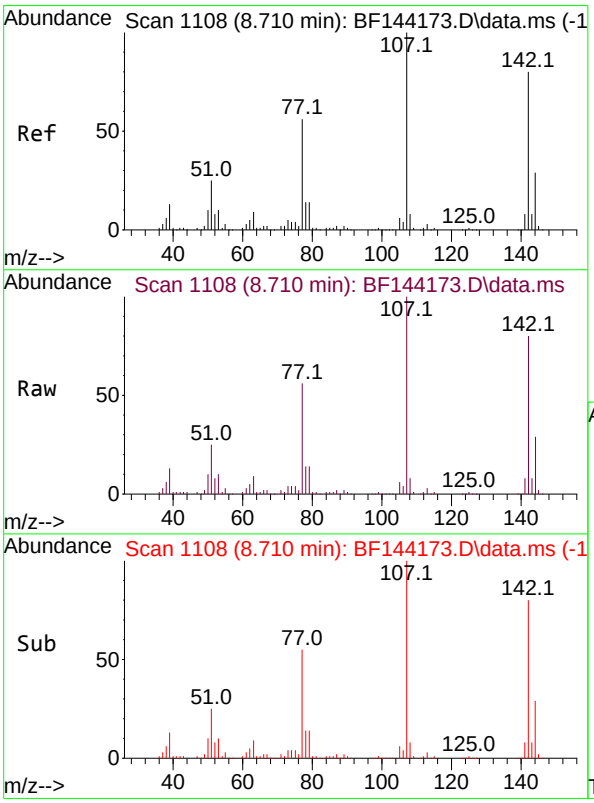
#35
Caprolactam
Concen: 41.945 ng
RT: 8.598 min Scan# 10
Delta R.T. -0.023 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 48459

Ion	Ratio	Lower	Upper
113	100		
55	186.8	166.8	206.8
56	145.9	125.9	165.9

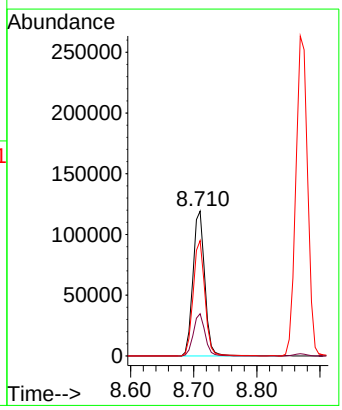


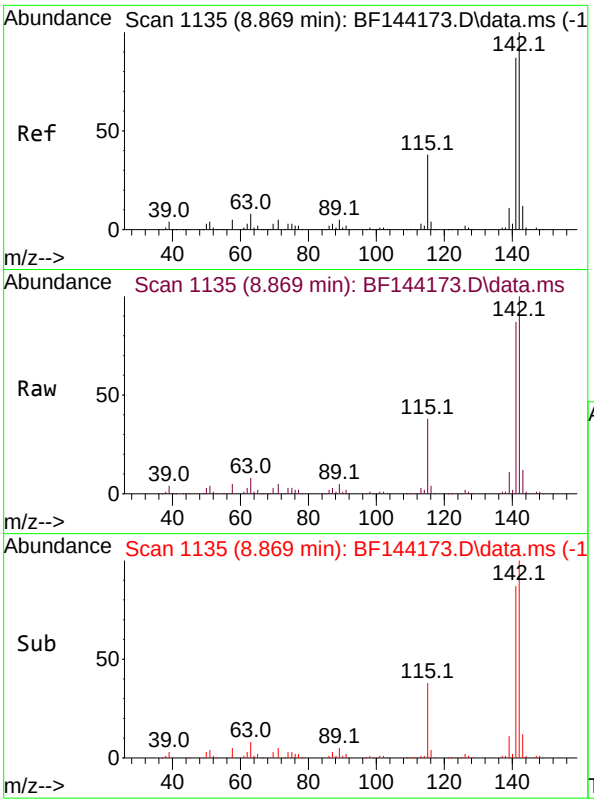


#36
4-Chloro-3-methylphenol
Concen: 41.237 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:107 Resp: 155844

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.3	34.9
142	79.7	63.8	95.6



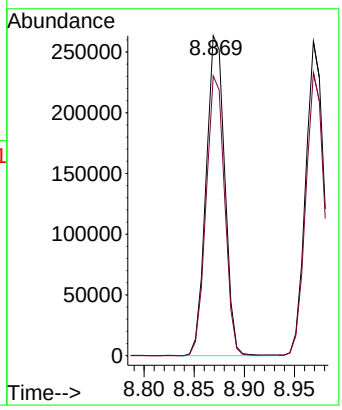


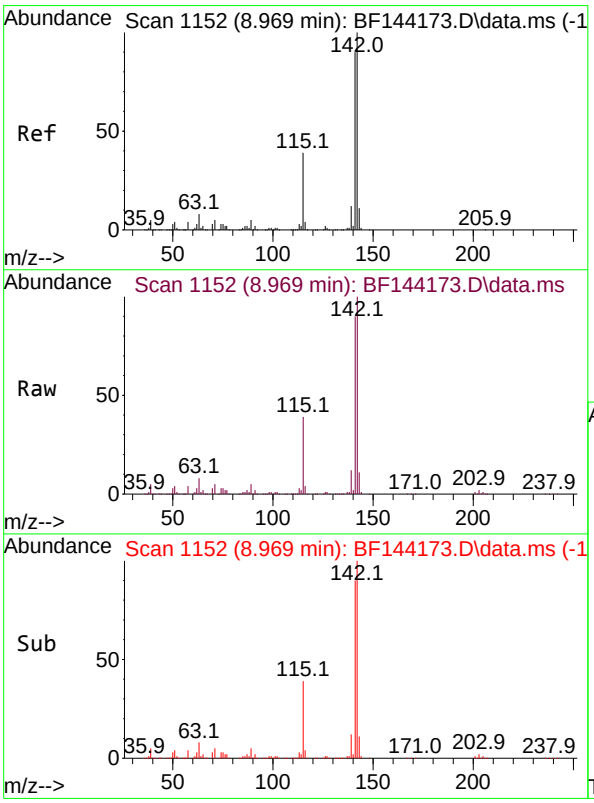
#37
2-Methylnaphthalene
Concen: 40.712 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 339639

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

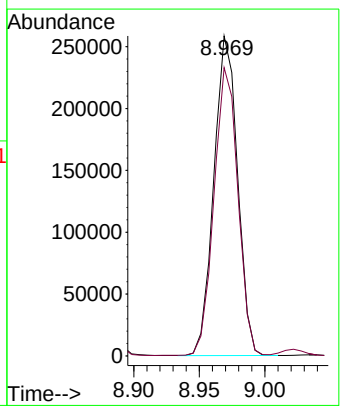


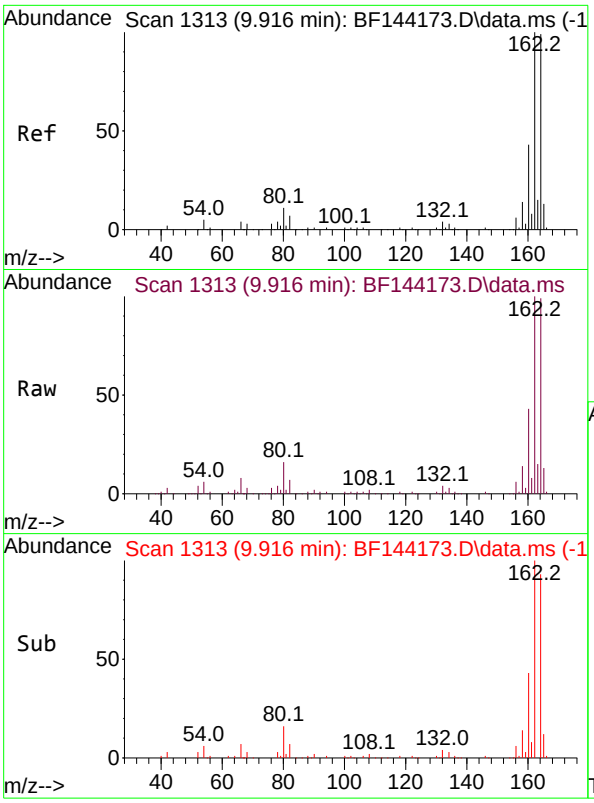


#38
1-Methylnaphthalene
Concen: 40.435 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:142 Resp: 325483

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



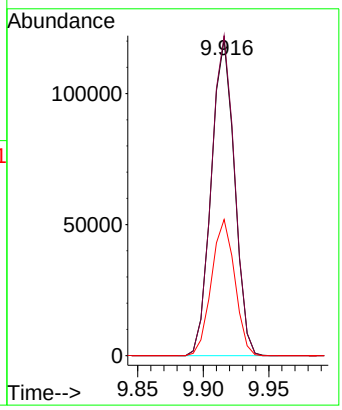


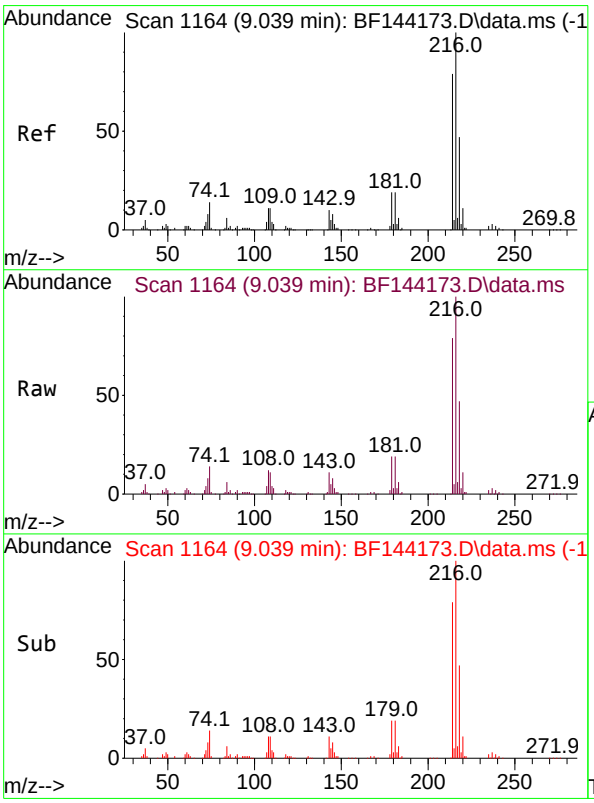
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 148823

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	43.1	34.5	51.7

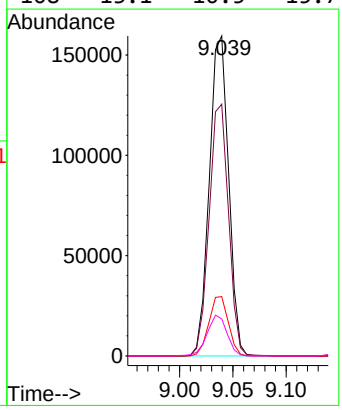


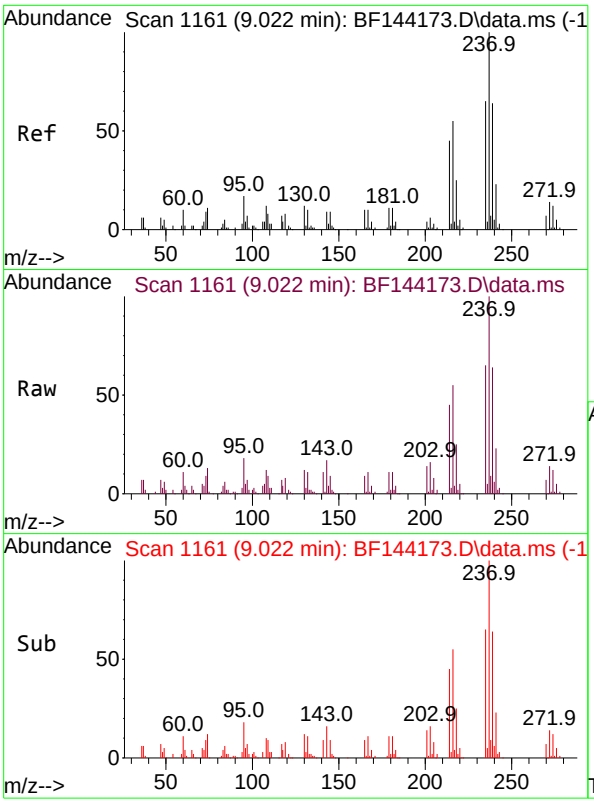


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.210 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:216 Resp: 200998

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	18.7	15.0	22.4
108	13.1	10.5	15.7



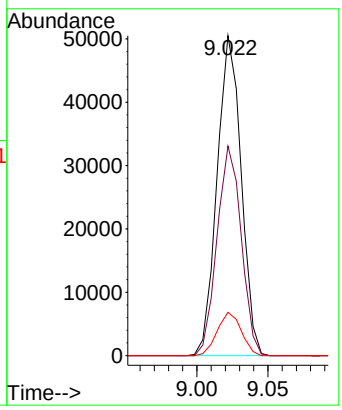


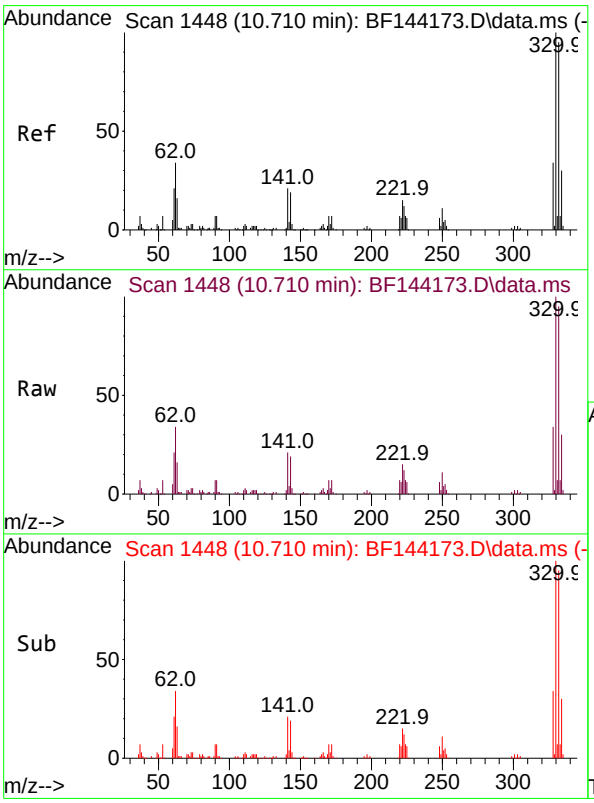
#41
Hexachlorocyclopentadiene
Concen: 39.991 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 59520

Ion	Ratio	Lower	Upper
237	100		
235	65.5	45.5	85.5
272	13.5	0.0	33.5

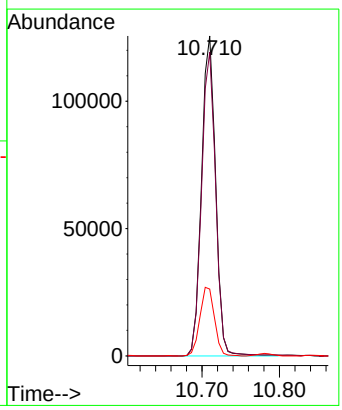


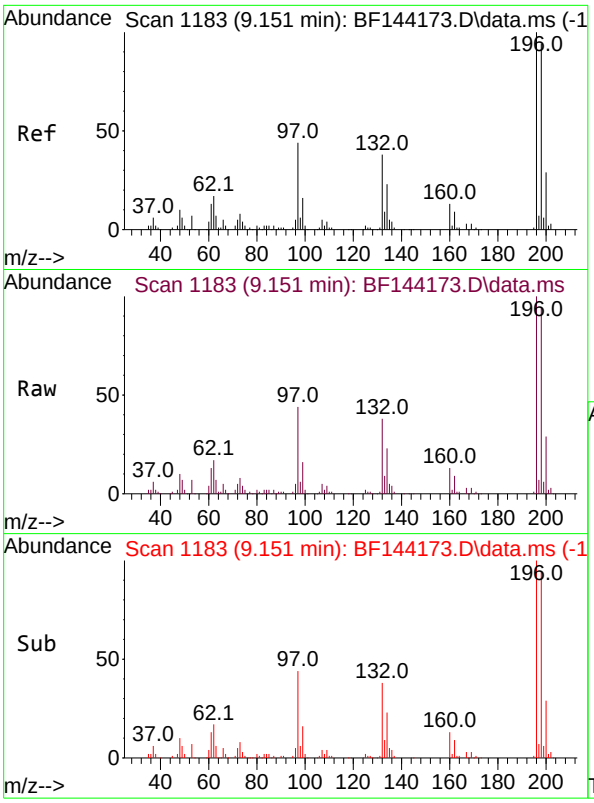


#42
2,4,6-Tribromophenol
Concen: 84.493 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:330 Resp: 157795

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	22.3	17.8	26.8



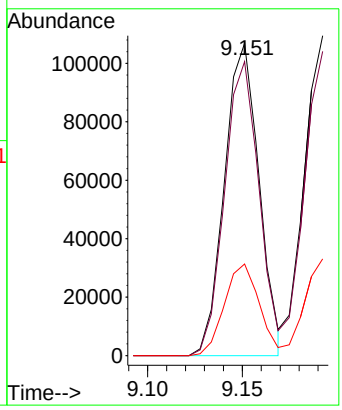


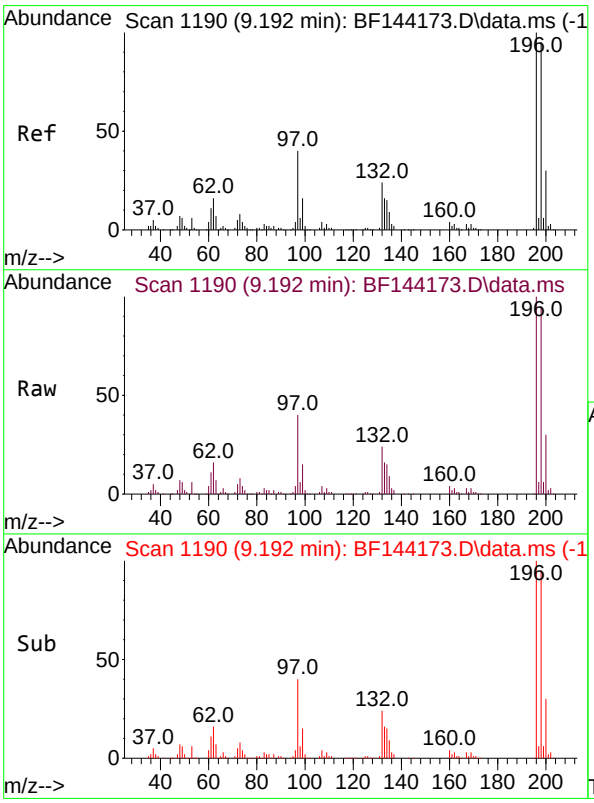
#43
2,4,6-Trichlorophenol
Concen: 40.875 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 135691

Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
200	29.3	23.4	35.2

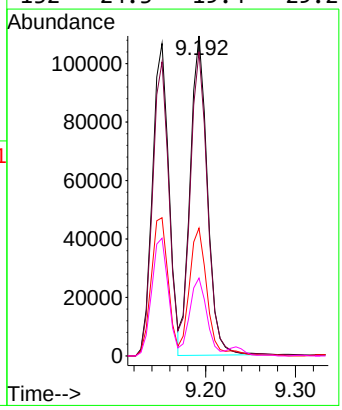


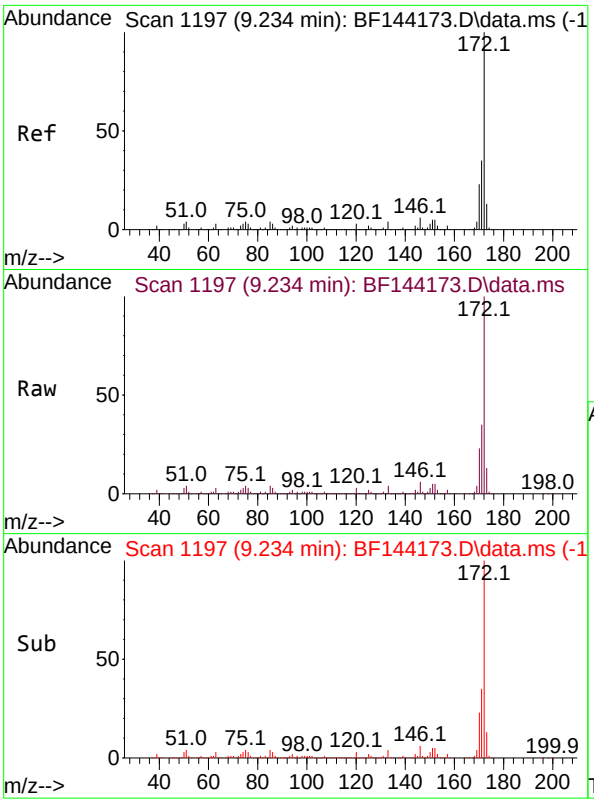


#44
2,4,5-Trichlorophenol
Concen: 40.641 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:196 Resp: 145405

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	39.9	31.9	47.9
132	24.3	19.4	29.2



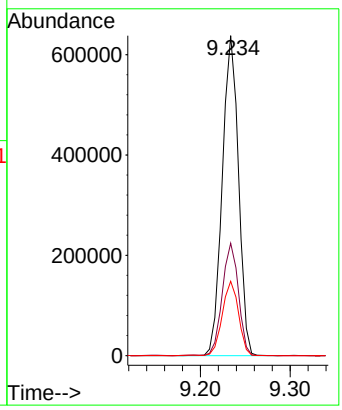


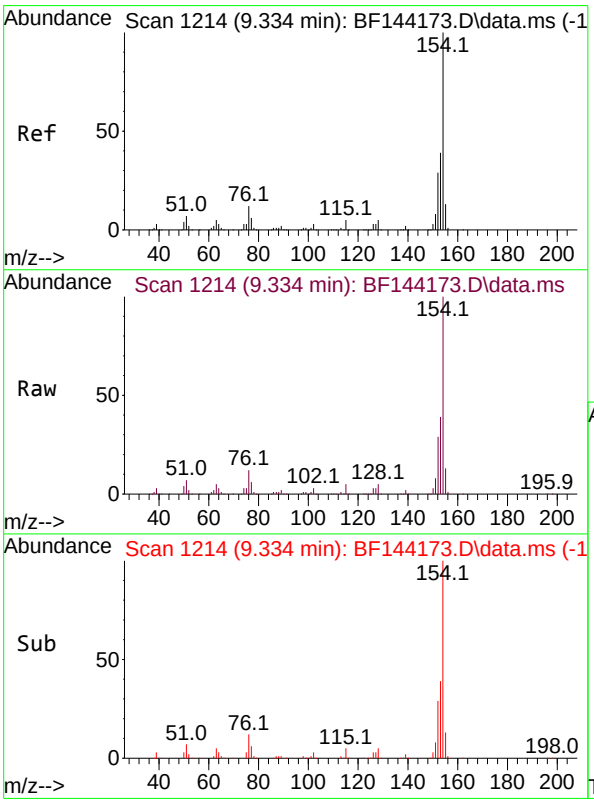
#45
2-Fluorobiphenyl
Concen: 79.737 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 803464

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.3	18.6	28.0

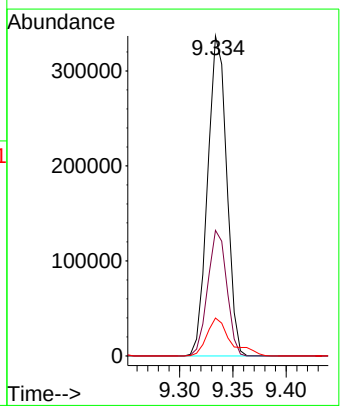


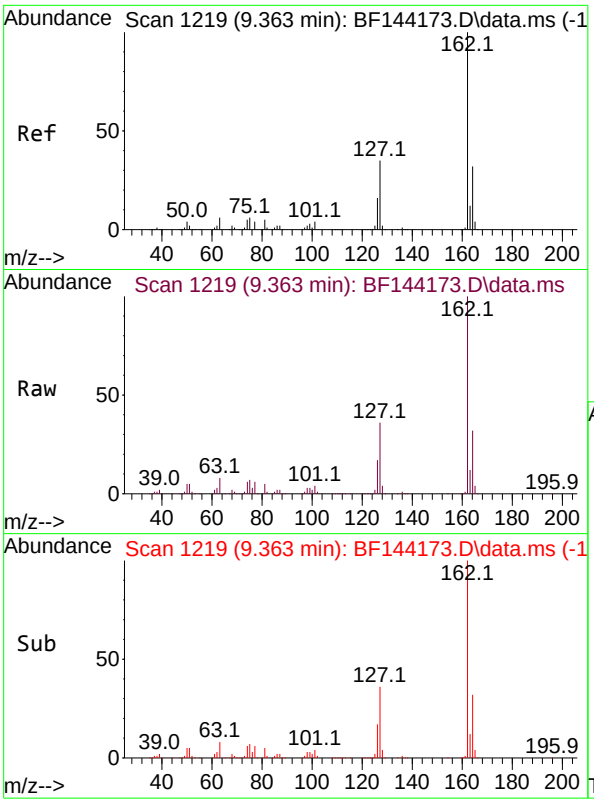


#46
1,1'-Biphenyl
Concen: 40.345 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:154 Resp: 419119

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.2	59.2
76	11.8	0.0	31.8



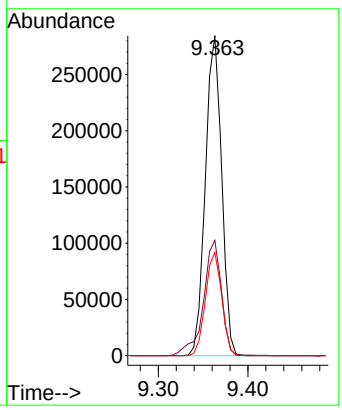


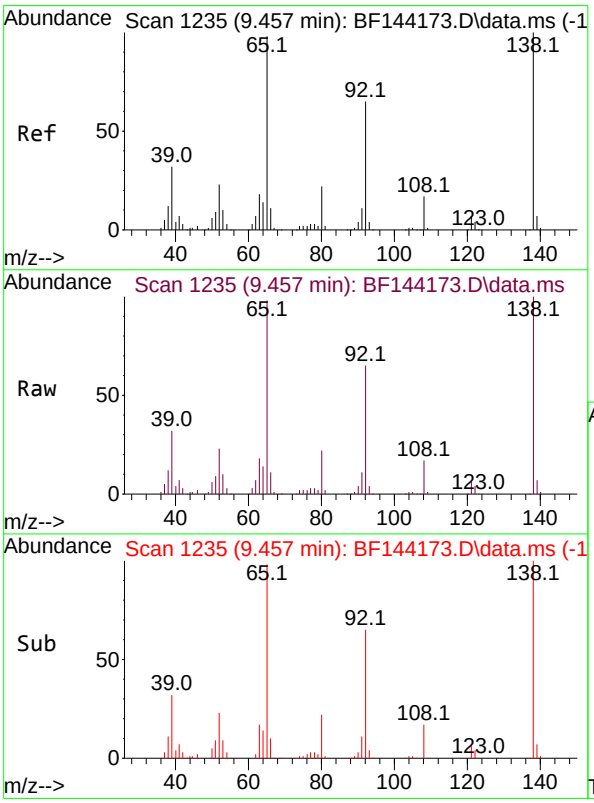
#47
2-Chloronaphthalene
Concen: 40.458 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 358514

Ion	Ratio	Lower	Upper
162	100		
127	36.0	28.8	43.2
164	32.3	25.8	38.8

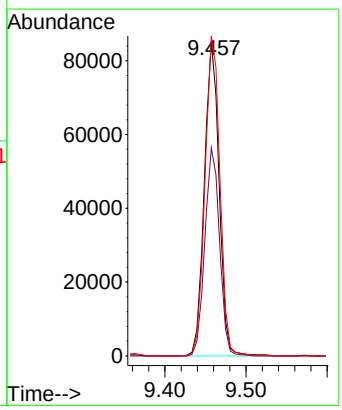


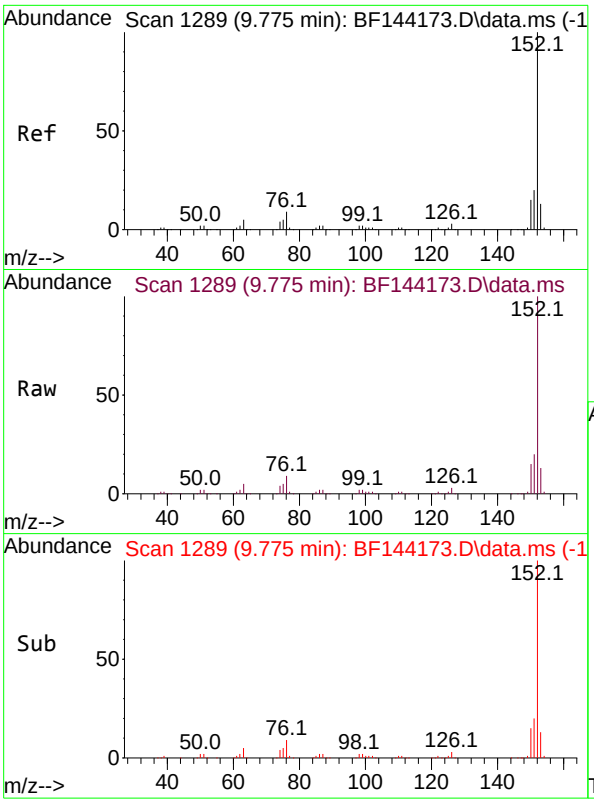


#48
2-Nitroaniline
Concen: 42.059 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion: 65 Resp: 107536

Ion	Ratio	Lower	Upper
65	100		
92	66.3	53.0	79.6
138	102.0	81.6	122.4



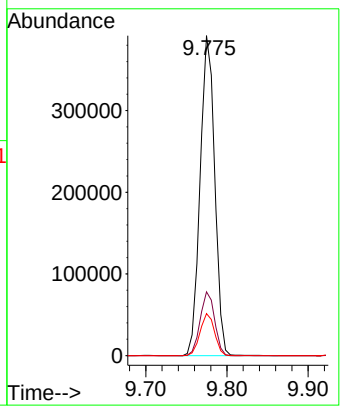


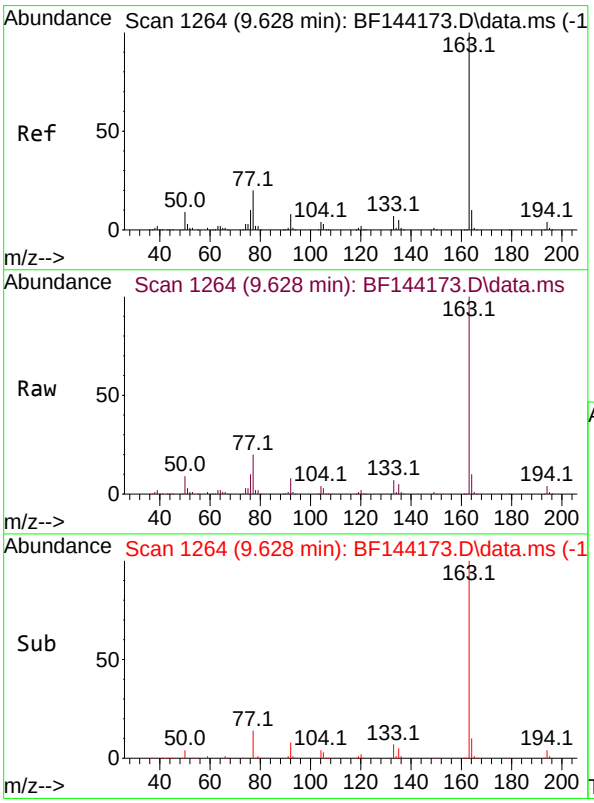
#49
Acenaphthylene
Concen: 40.553 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 489708

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

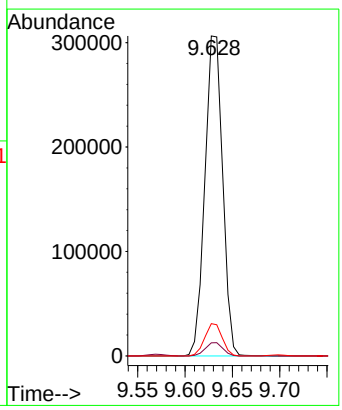


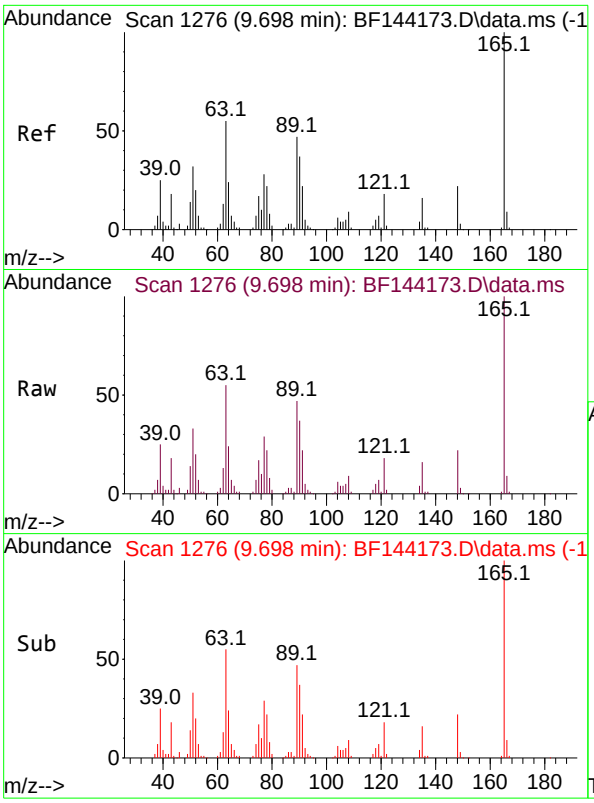


#50
Dimethylphthalate
Concen: 40.620 ng
RT: 9.628 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:163 Resp: 400479

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1



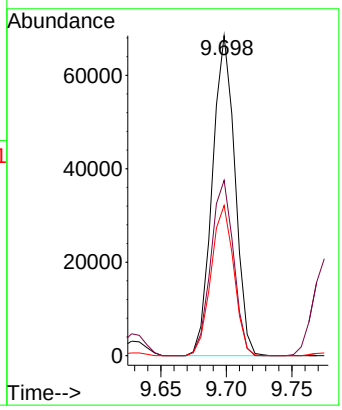


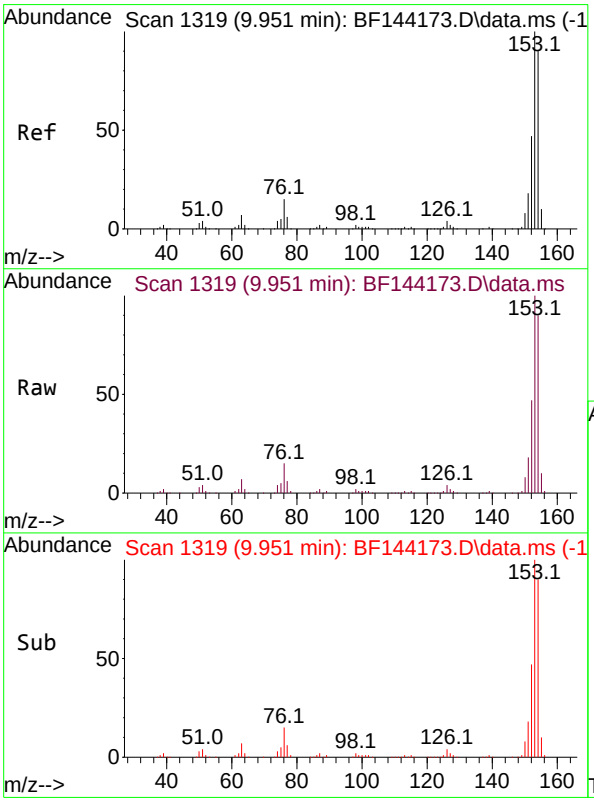
#51
2,6-Dinitrotoluene
Concen: 41.169 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 82166

Ion	Ratio	Lower	Upper
165	100		
63	54.8	43.8	65.8
89	46.9	37.5	56.3

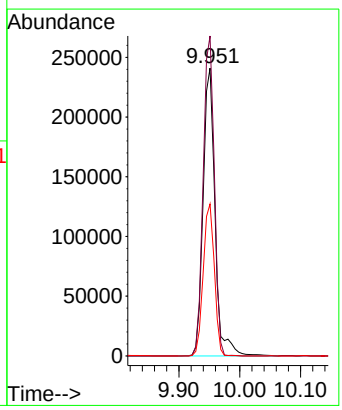


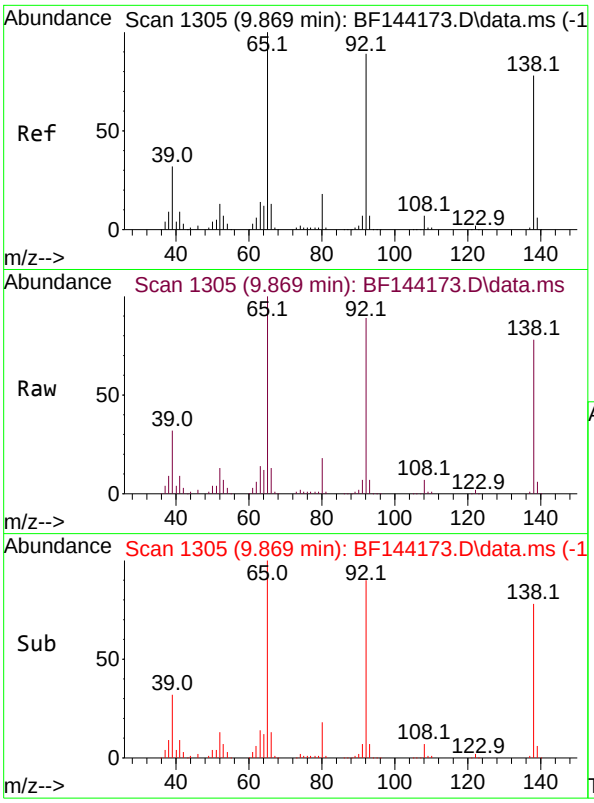


#52
Acenaphthene
Concen: 40.406 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:154 Resp: 326285

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	52.8	42.2	63.4



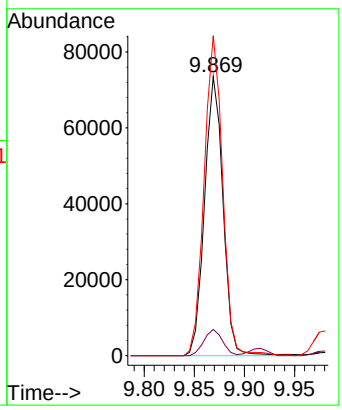


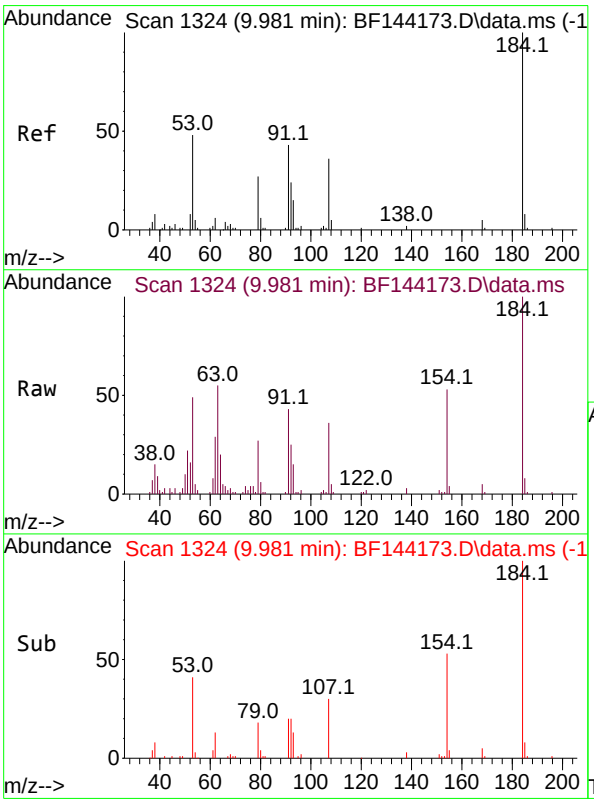
#53
3-Nitroaniline
Concen: 42.918 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 93636

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	114.7	91.8	137.6

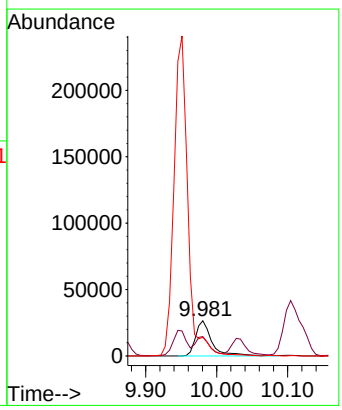


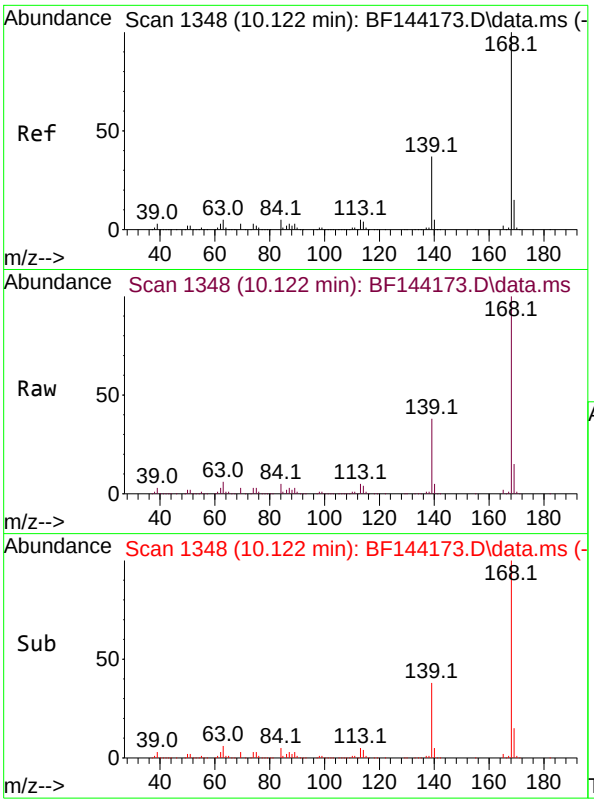


#54
2,4-Dinitrophenol
Concen: 34.614 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:184 Resp: 41716

Ion	Ratio	Lower	Upper
184	100		
63	55.0	44.0	66.0
154	53.0	42.4	63.6



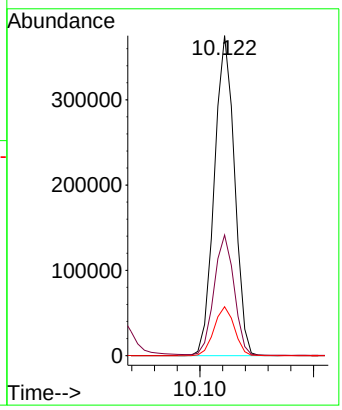


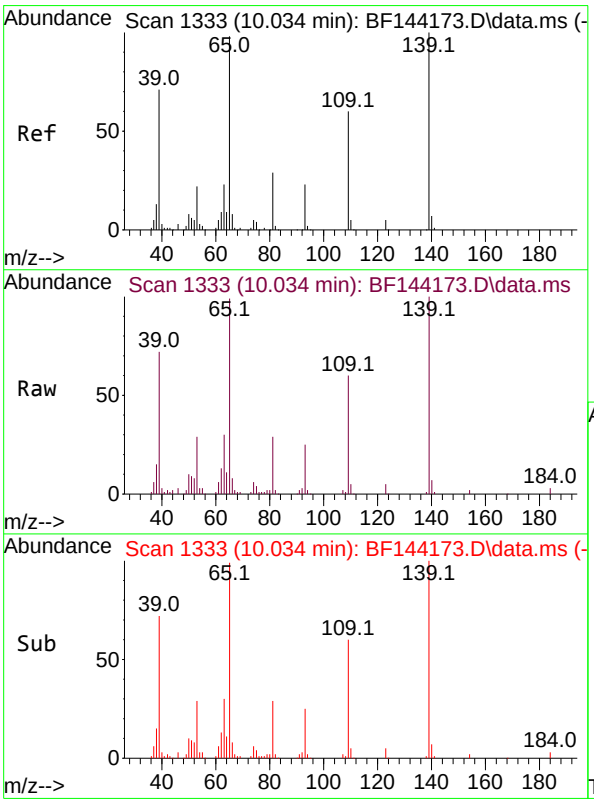
#55
Dibenzofuran
Concen: 40.810 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 461538

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.2	45.2
169	15.3	12.2	18.4

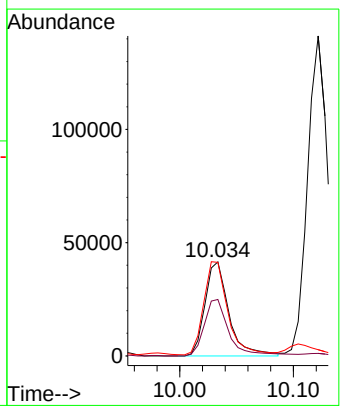


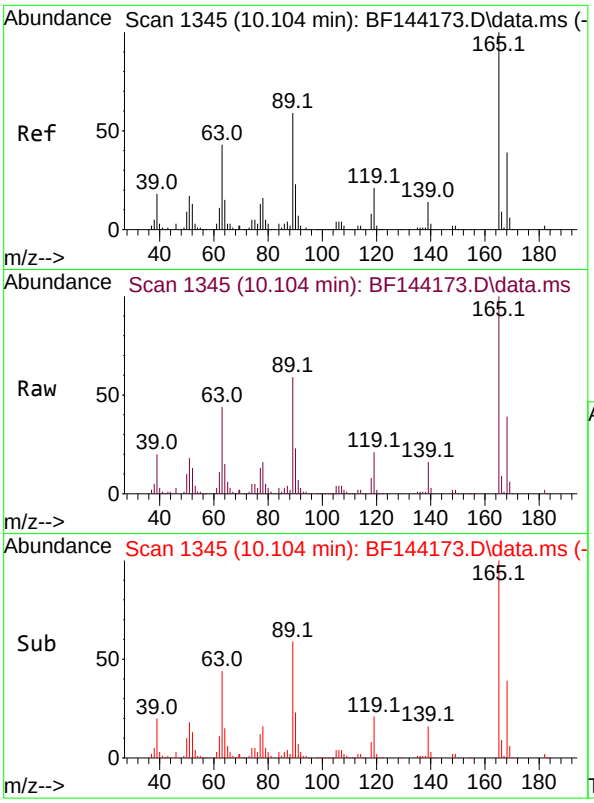


#56
4-Nitrophenol
Concen: 38.426 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:139 Resp: 60643

Ion	Ratio	Lower	Upper
139	100		
109	59.9	39.9	79.9
65	99.5	79.5	119.5



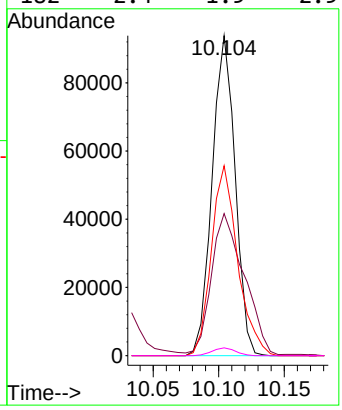


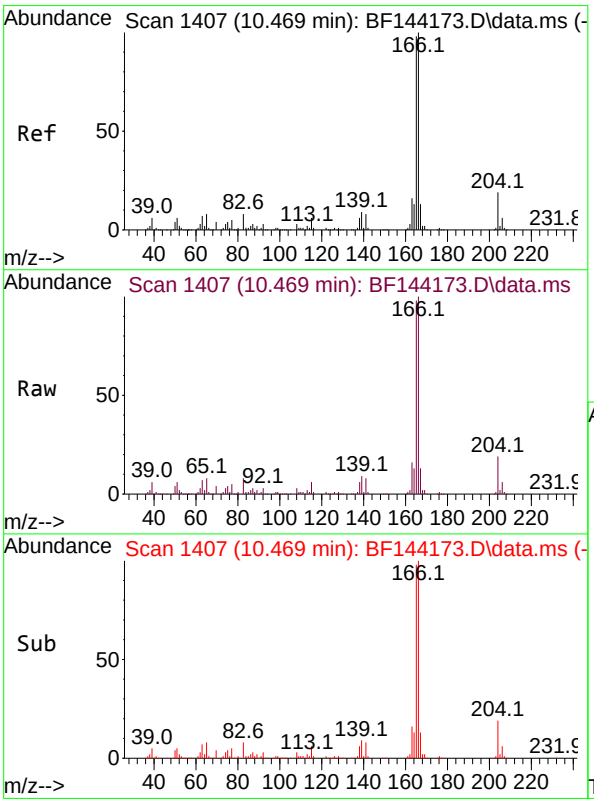
#57
2,4-Dinitrotoluene
Concen: 42.858 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 114508

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.5	53.3
89	59.3	47.4	71.2
182	2.4	1.9	2.9

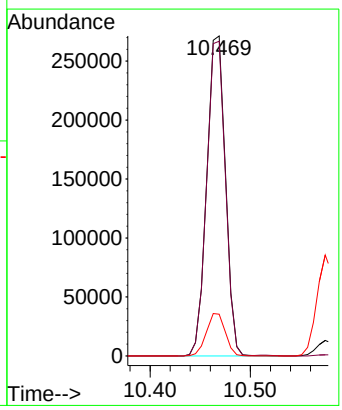


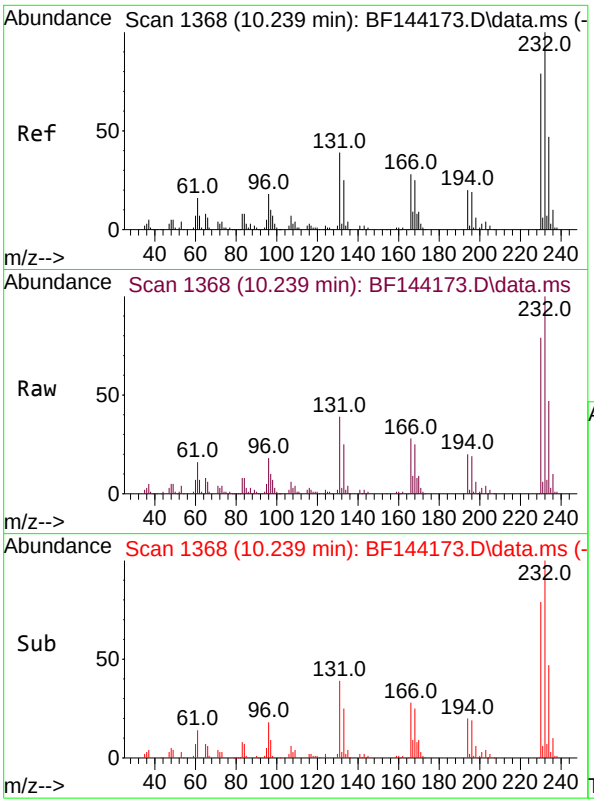


#58
Fluorene
Concen: 40.841 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:166 Resp: 351182

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.6	118.0
167	13.0	10.4	15.6



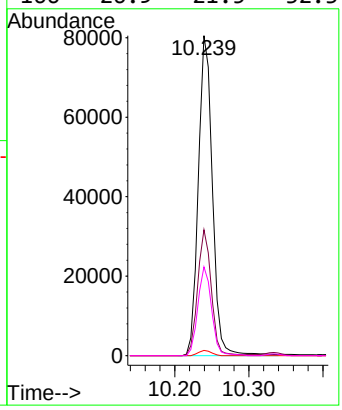


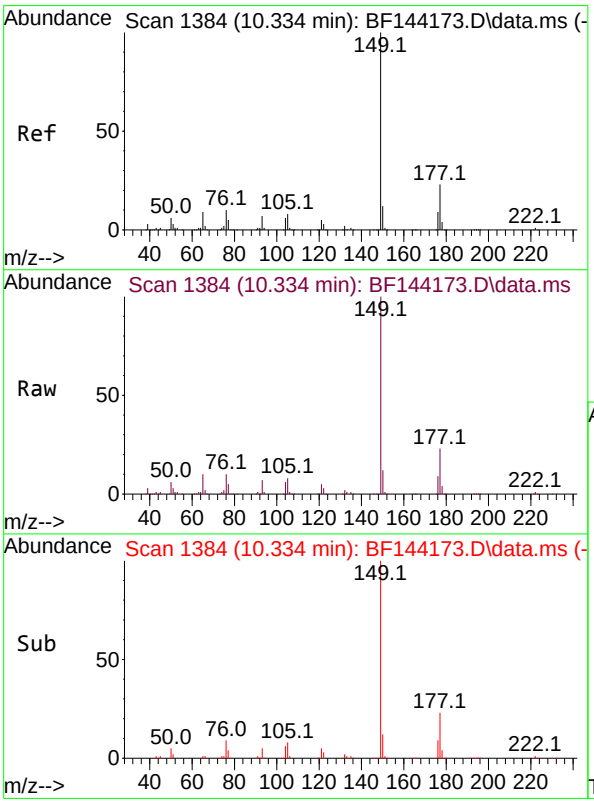
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.037 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 106411

Ion	Ratio	Lower	Upper
232	100		
131	37.9	30.3	45.5
130	1.5	1.2	1.8
166	26.9	21.5	32.3

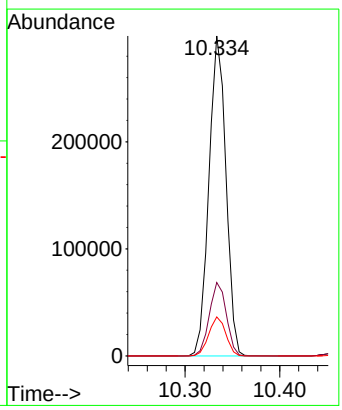


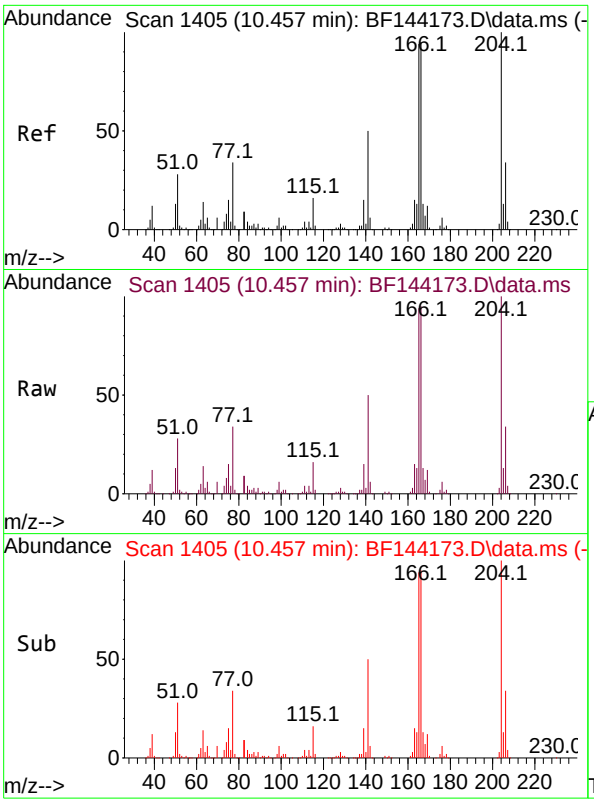


#60
Diethylphthalate
Concen: 41.061 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 373187

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.2	9.8	14.6



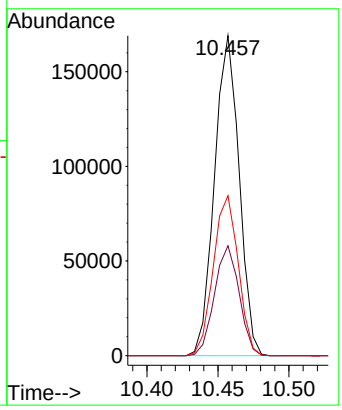


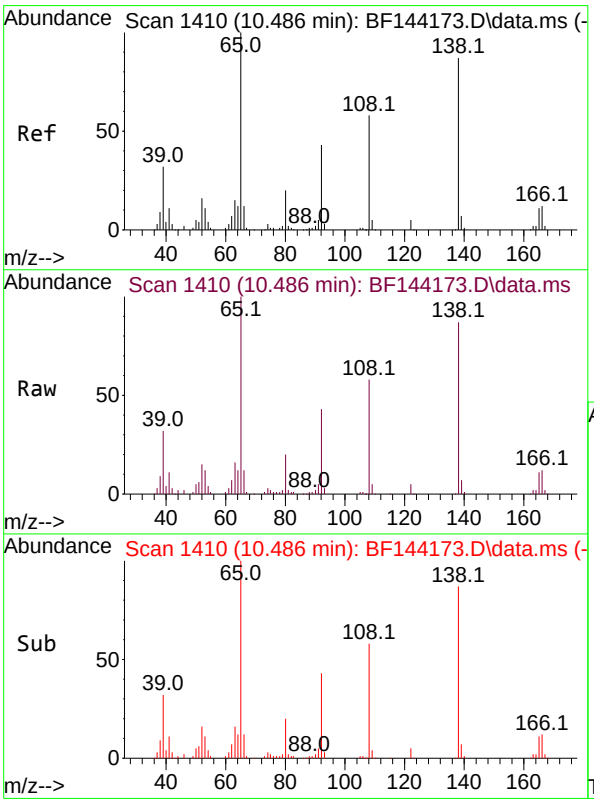
#61
4-Chlorophenyl-phenylether
Concen: 41.598 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 203750

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	50.0	40.0	60.0

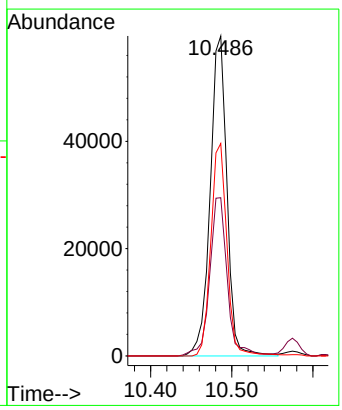


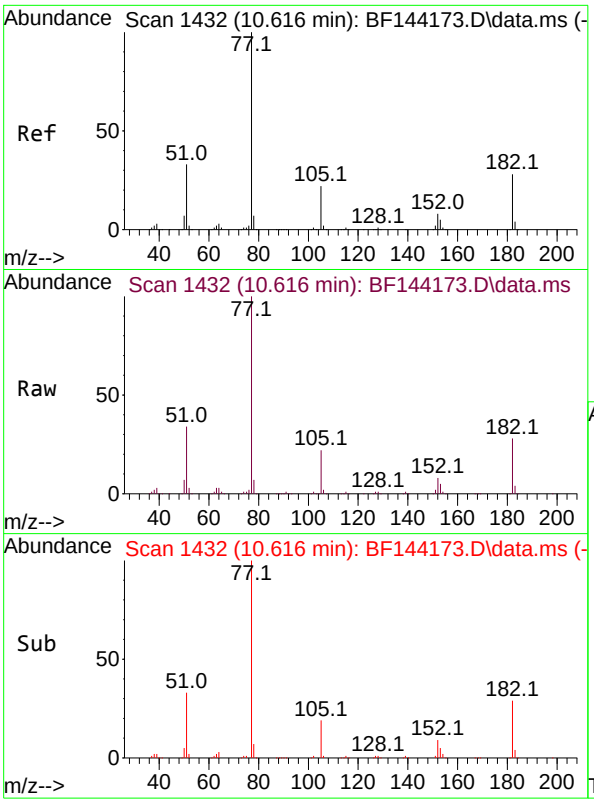


#62
4-Nitroaniline
Concen: 41.237 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:138 Resp: 85679

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.4	69.4
108	66.4	46.4	86.4



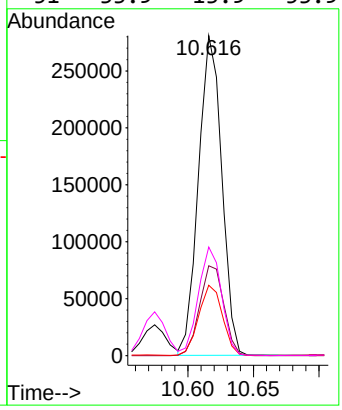


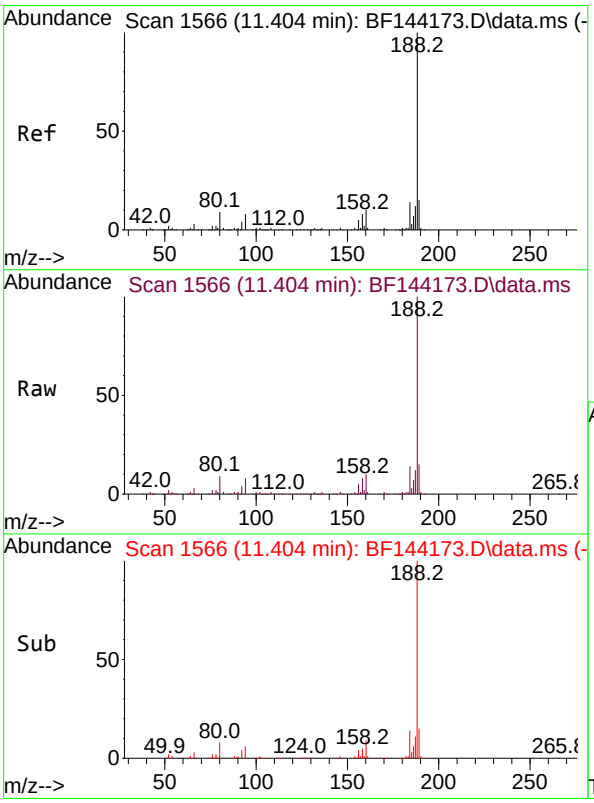
#63
Azobenzene
Concen: 40.948 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 346367

Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.1	48.1
105	22.0	2.0	42.0
51	33.9	13.9	53.9

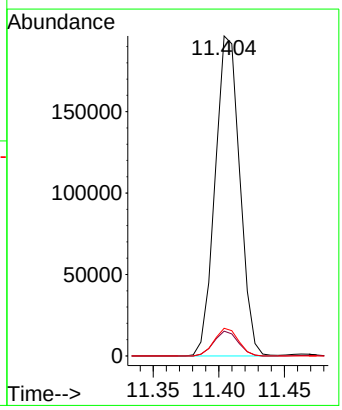


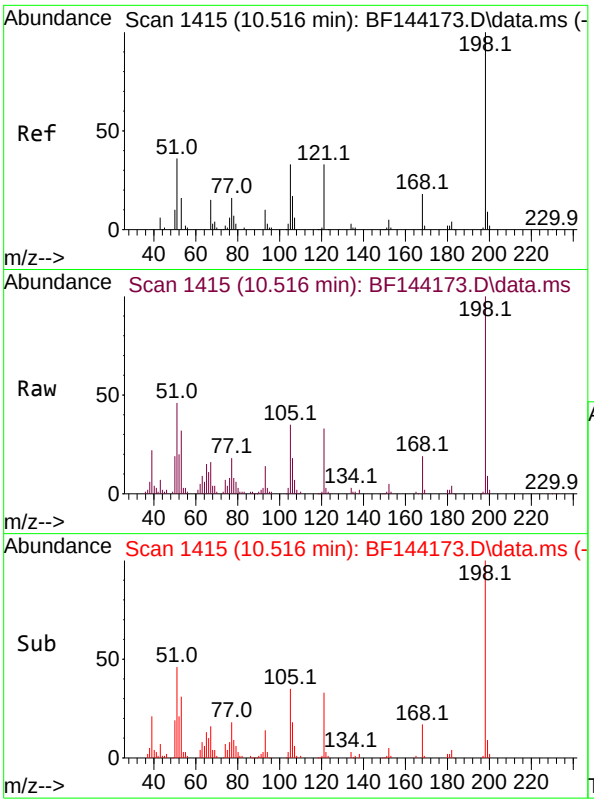


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:188 Resp: 257329

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.2
80	8.6	6.9	10.3



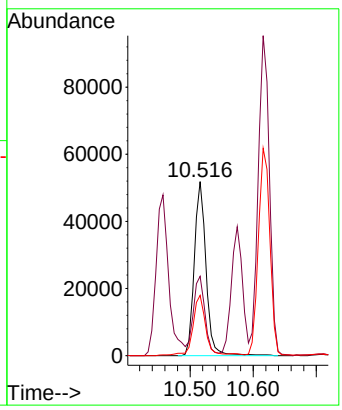


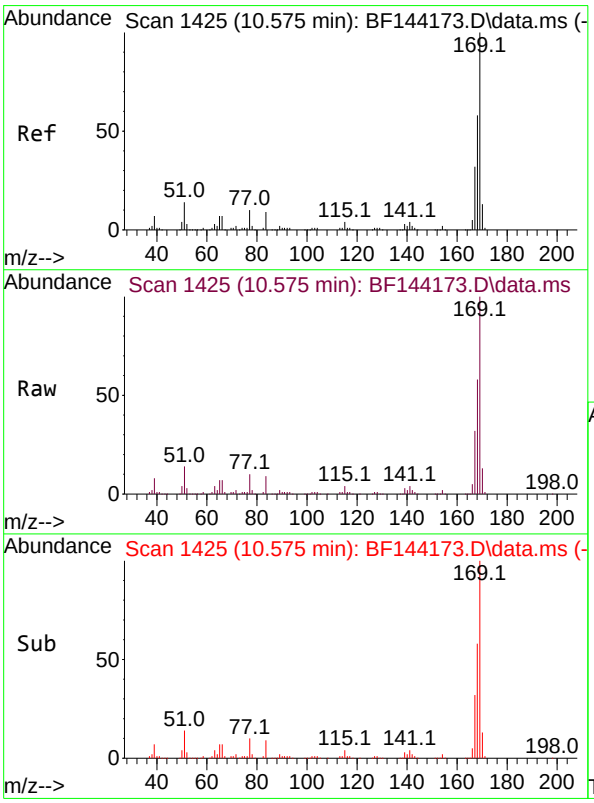
#65
4,6-Dinitro-2-methylphenol
Concen: 38.343 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 67029

Ion	Ratio	Lower	Upper
198	100		
51	45.6	25.6	65.6
105	34.6	14.6	54.6

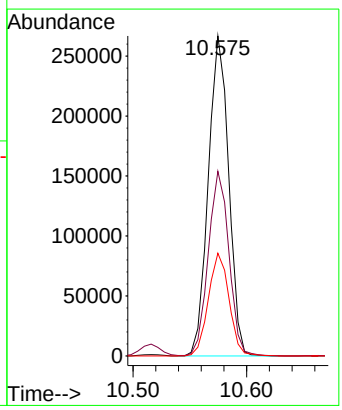


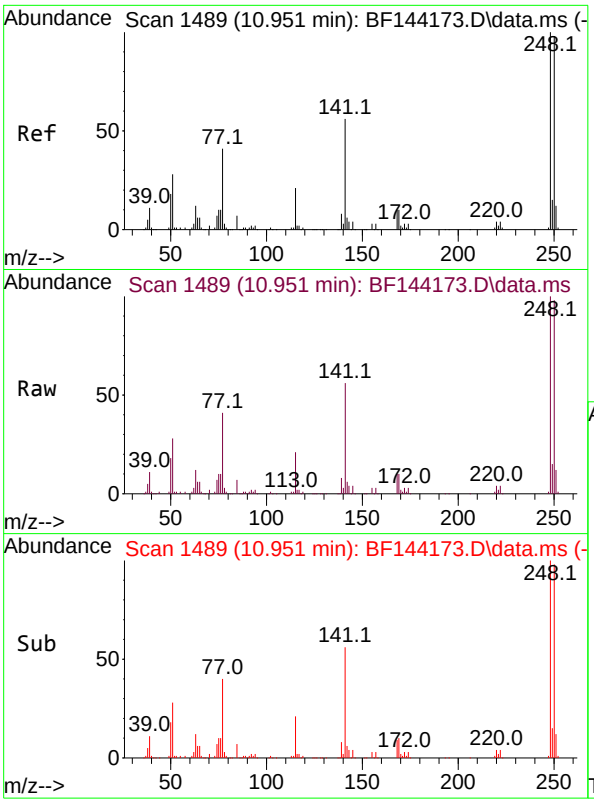


#66
n-Nitrosodiphenylamine
Concen: 40.189 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:169 Resp: 332623

Ion	Ratio	Lower	Upper
169	100		
168	57.7	46.2	69.2
167	32.1	25.7	38.5



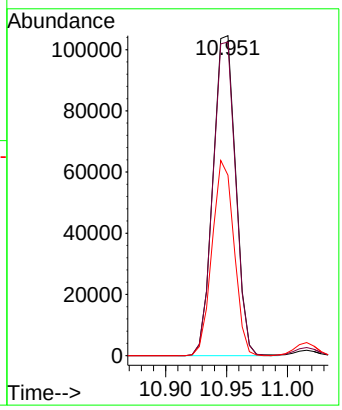


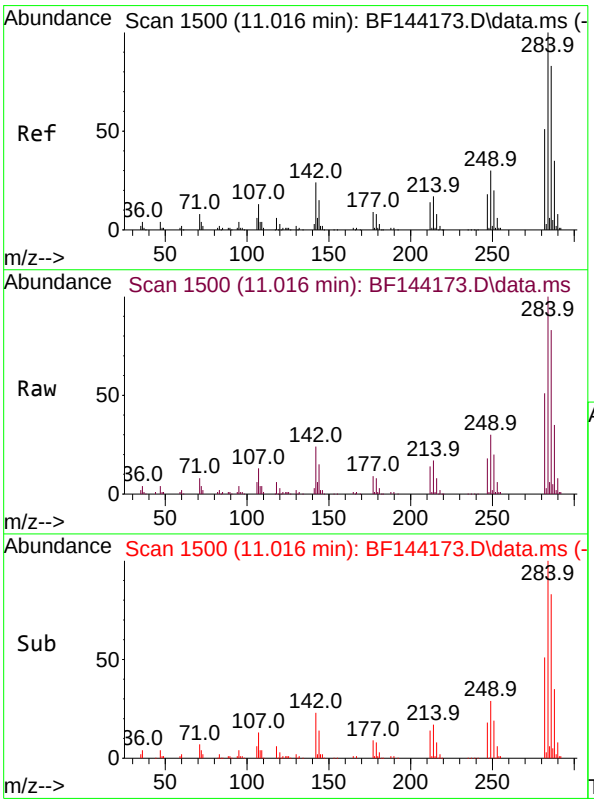
#67
4-Bromophenyl-phenylether
Concen: 41.198 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 135319

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.4	117.6
141	56.4	45.1	67.7

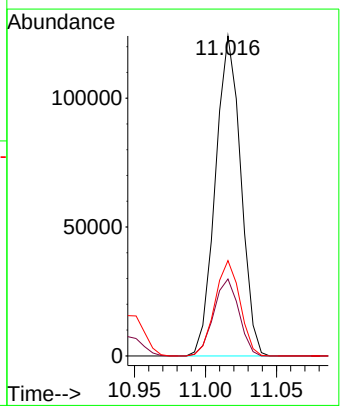


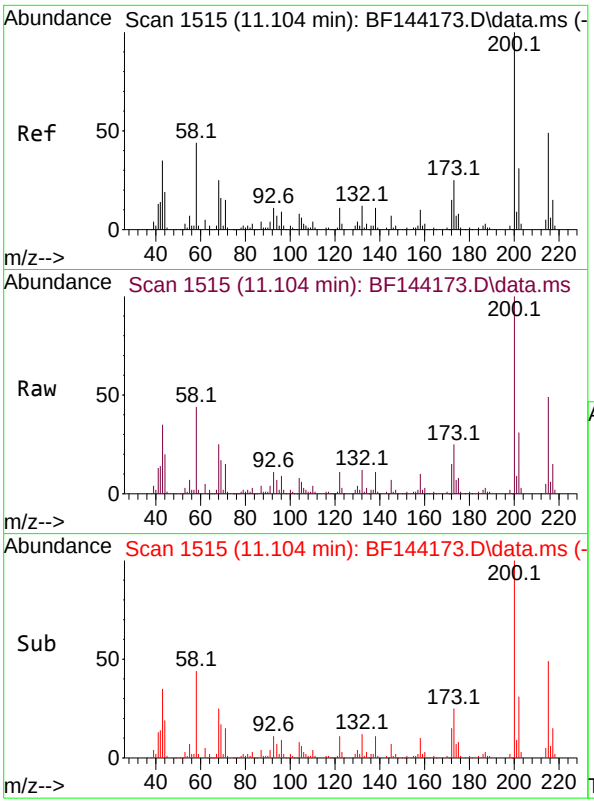


#68
Hexachlorobenzene
Concen: 39.943 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:284 Resp: 154532

Ion	Ratio	Lower	Upper
284	100		
142	24.0	19.2	28.8
249	29.8	23.8	35.8



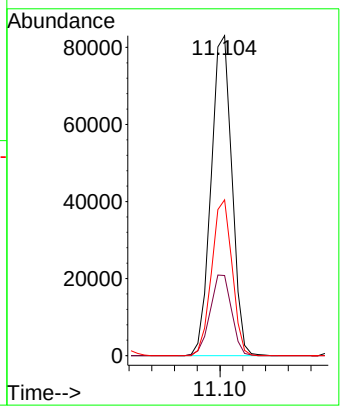


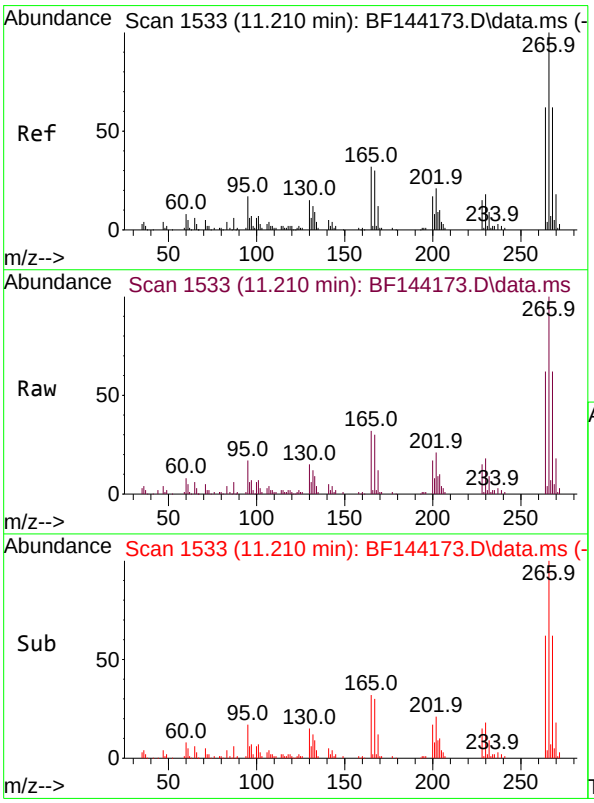
#69
Atrazine
Concen: 40.239 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 105912

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.0	45.0
215	48.7	28.7	68.7

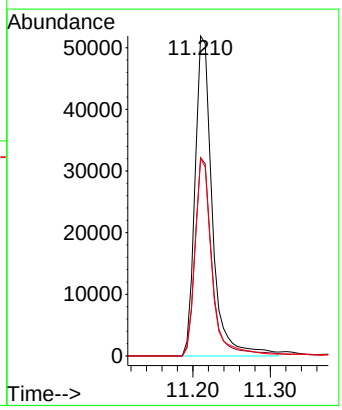


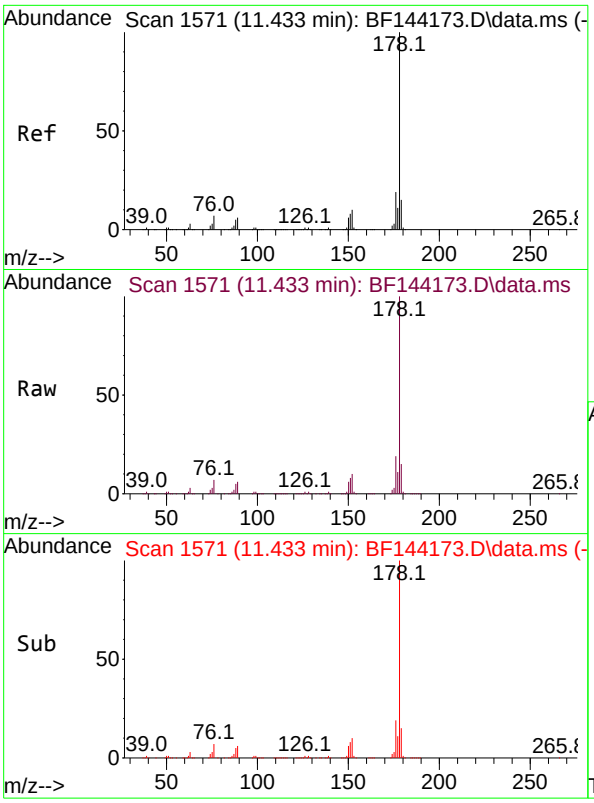


#70
Pentachlorophenol
Concen: 41.685 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:266 Resp: 80306

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.5	74.3
264	61.8	49.4	74.2



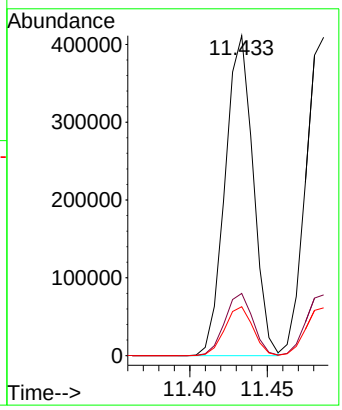


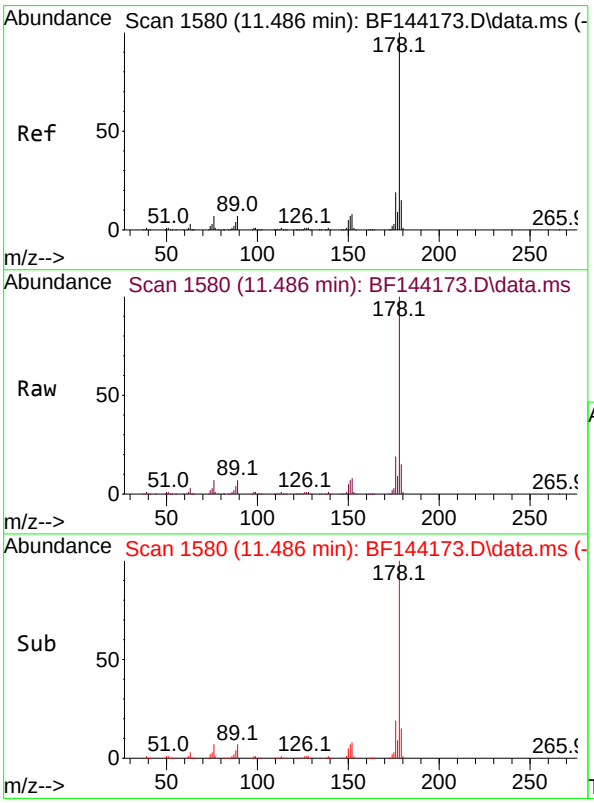
#71
Phenanthrene
Concen: 40.513 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 519052

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

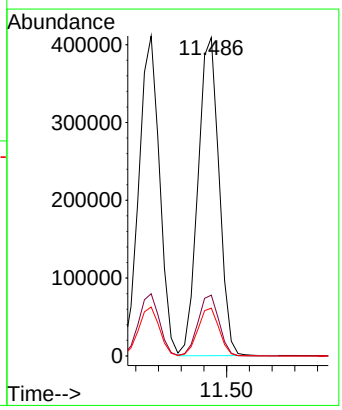


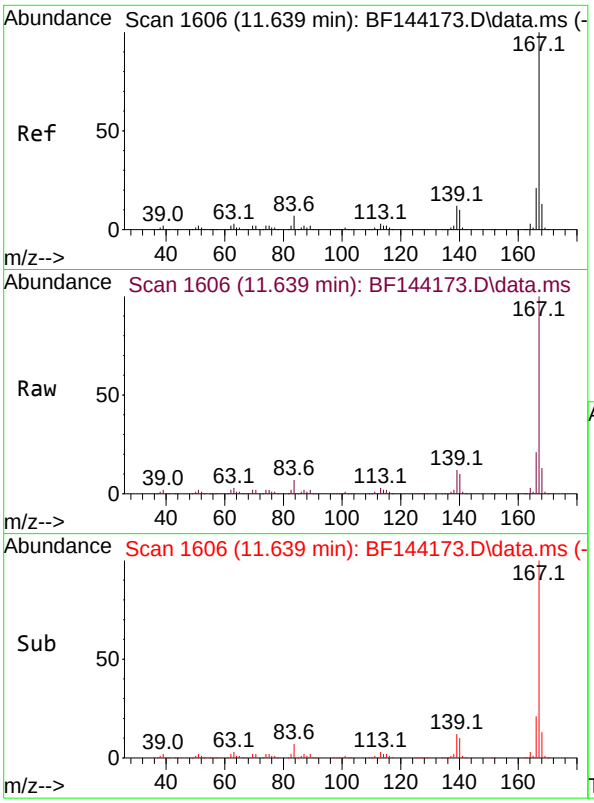


#72
Anthracene
Concen: 40.372 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:178 Resp: 525954

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.0	12.0	18.0



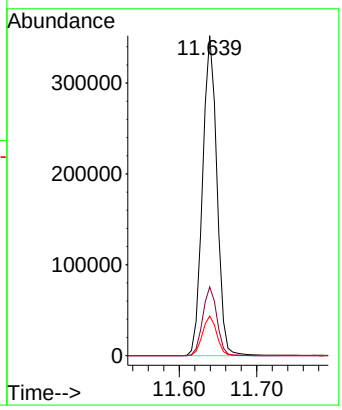


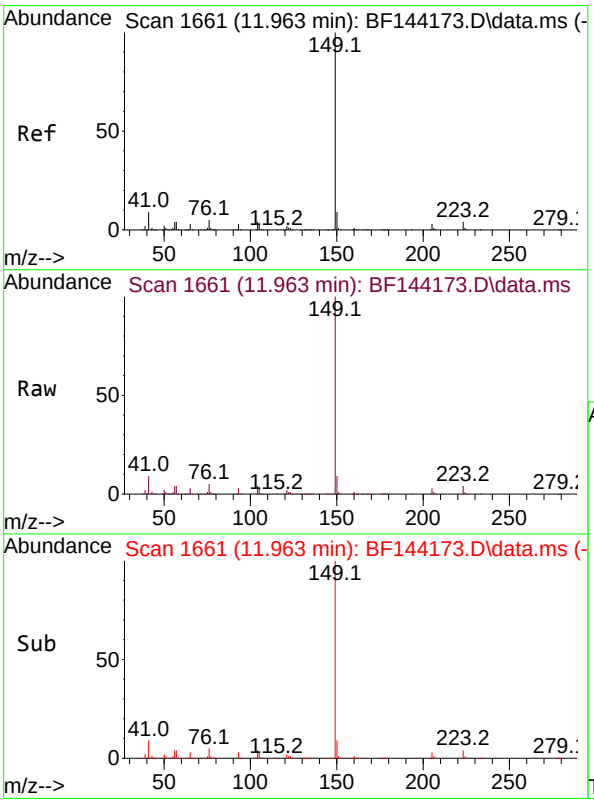
#73
Carbazole
Concen: 40.796 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 451935

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.4	9.9	14.9

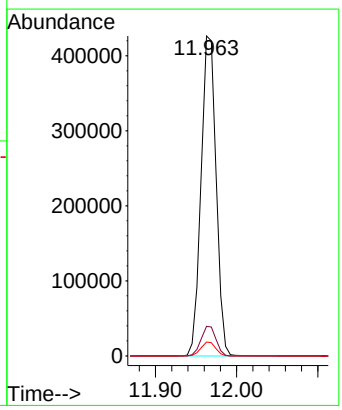


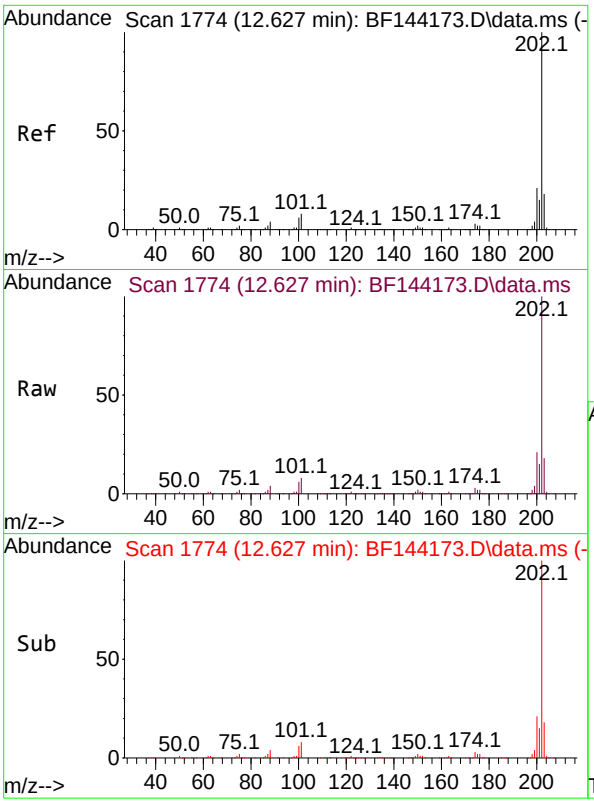


#74
Di-n-butylphthalate
Concen: 41.117 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 550628

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.3	3.4	5.2



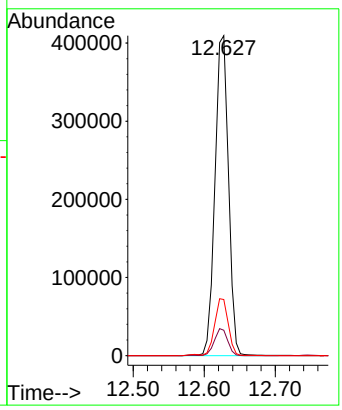


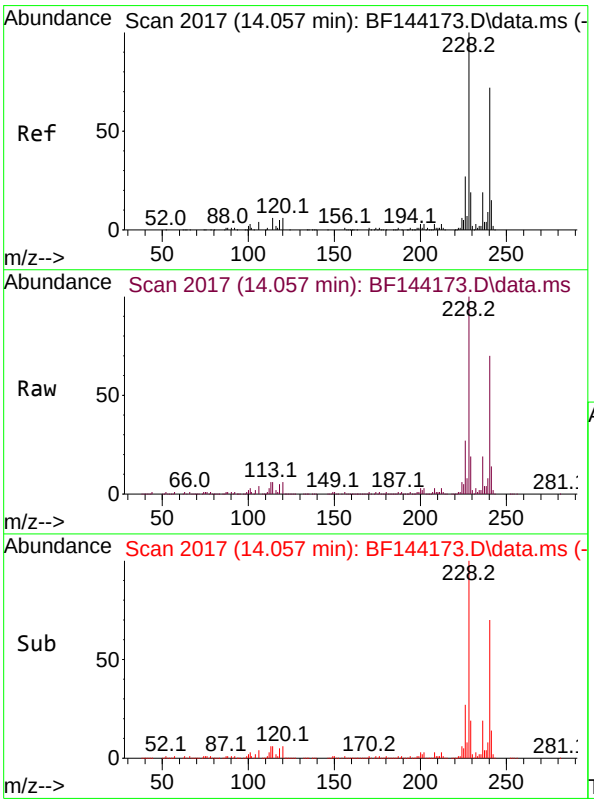
#75
Fluoranthene
Concen: 40.992 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 542525

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.9
203	17.5	0.0	37.5

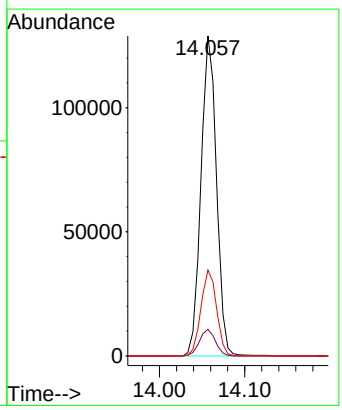


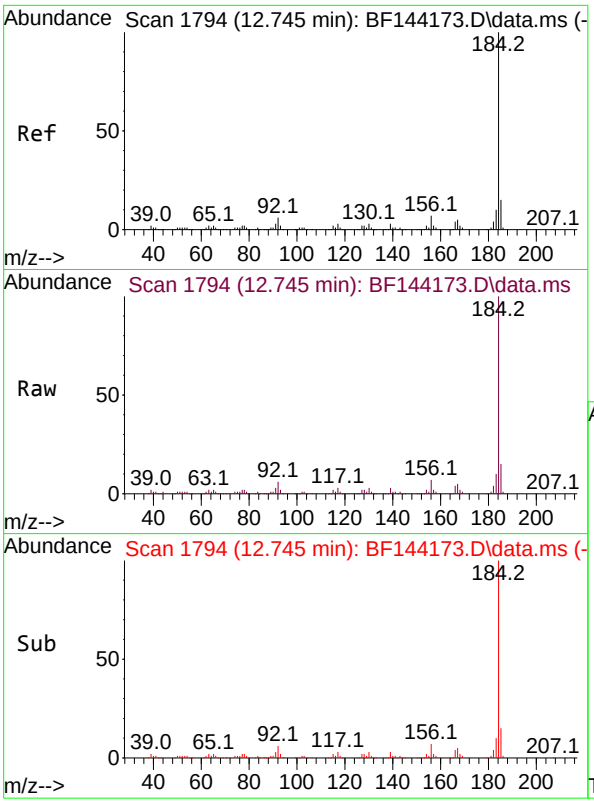


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:240 Resp: 162650

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.6	10.0
236	26.8	21.4	32.2



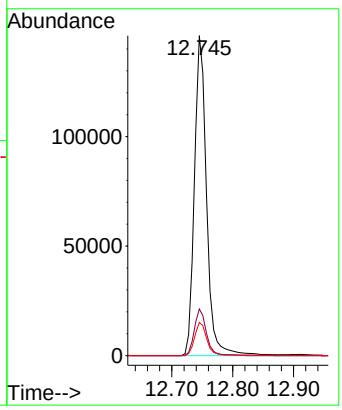


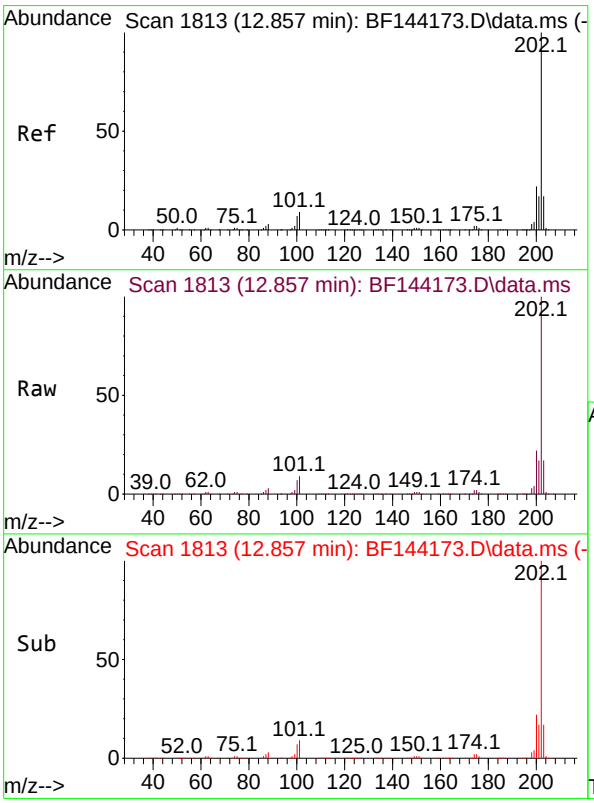
#77
Benzidine
Concen: 42.178 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 202921

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.4	8.3	12.5

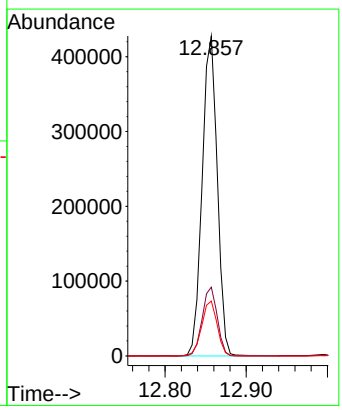


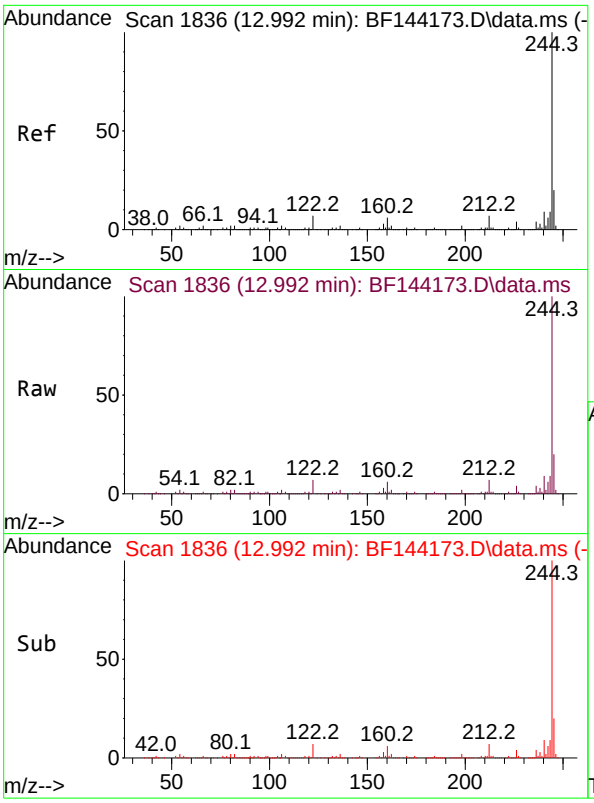


#78
Pyrene
Concen: 42.272 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:202 Resp: 554374

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.1	13.7	20.5



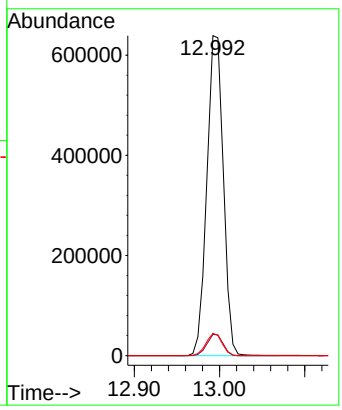


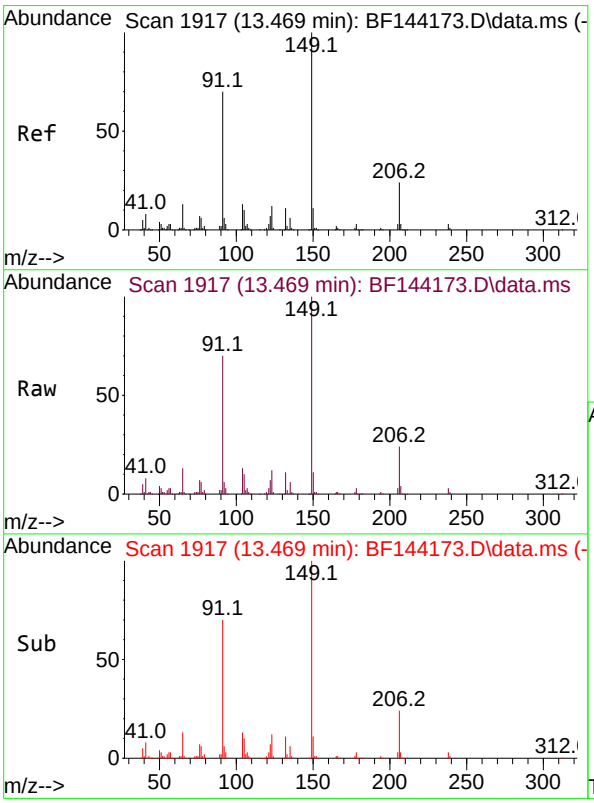
#79
Terphenyl-d14
Concen: 83.645 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 856515

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	7.0	5.6	8.4

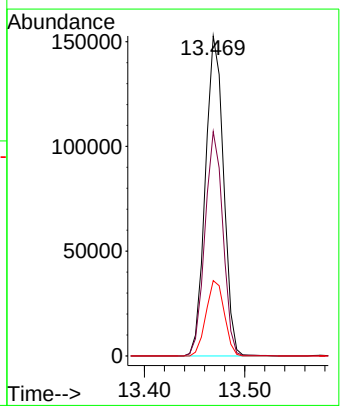


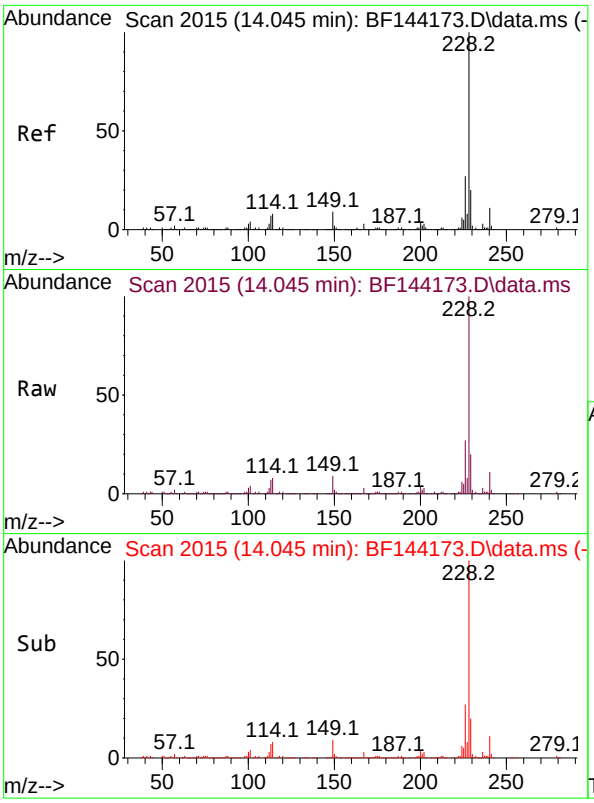


#80
Butylbenzylphthalate
Concen: 42.209 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 191850

Ion	Ratio	Lower	Upper
149	100		
91	70.1	56.1	84.1
206	23.5	18.8	28.2



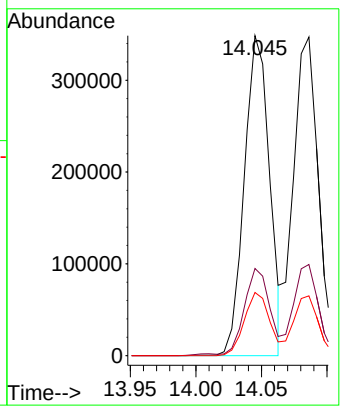


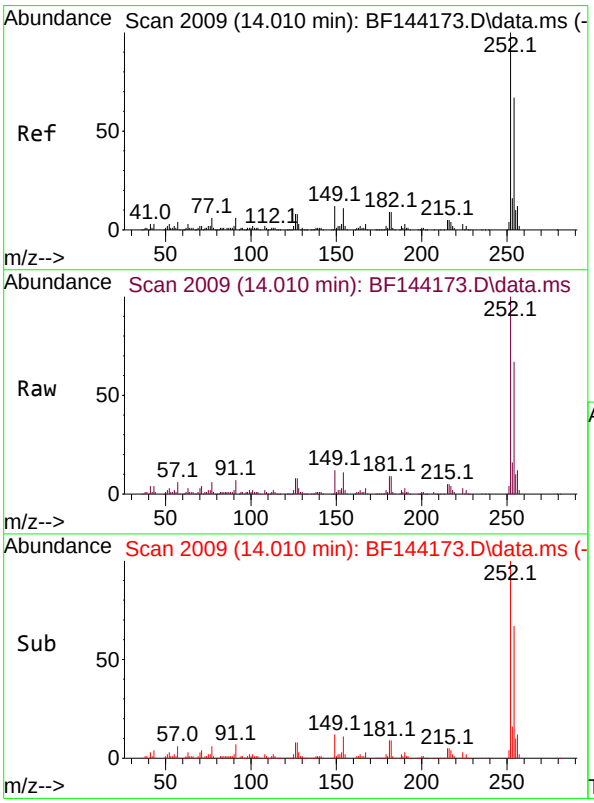
#81
Benzo(a)anthracene
Concen: 41.267 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 465201

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

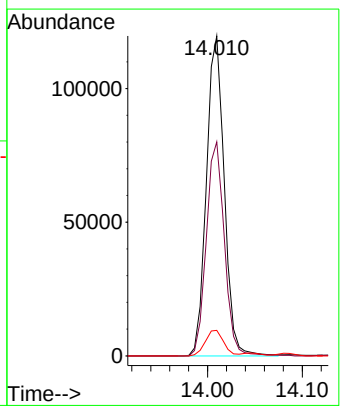


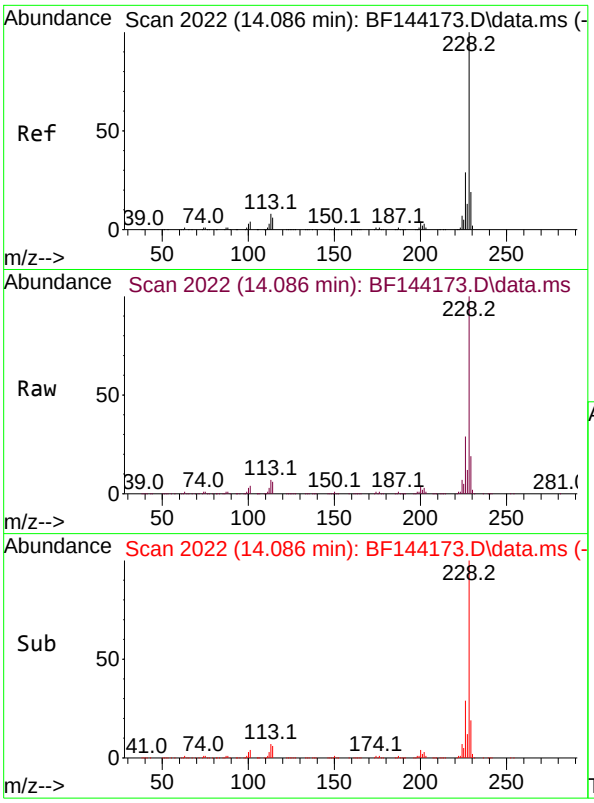


#82
3,3'-Dichlorobenzidine
Concen: 40.620 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 156957

Ion	Ratio	Lower	Upper
252	100		
254	66.9	53.5	80.3
126	8.0	6.4	9.6



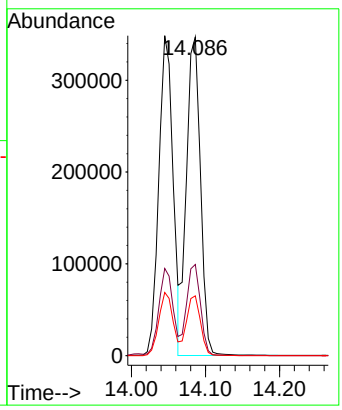


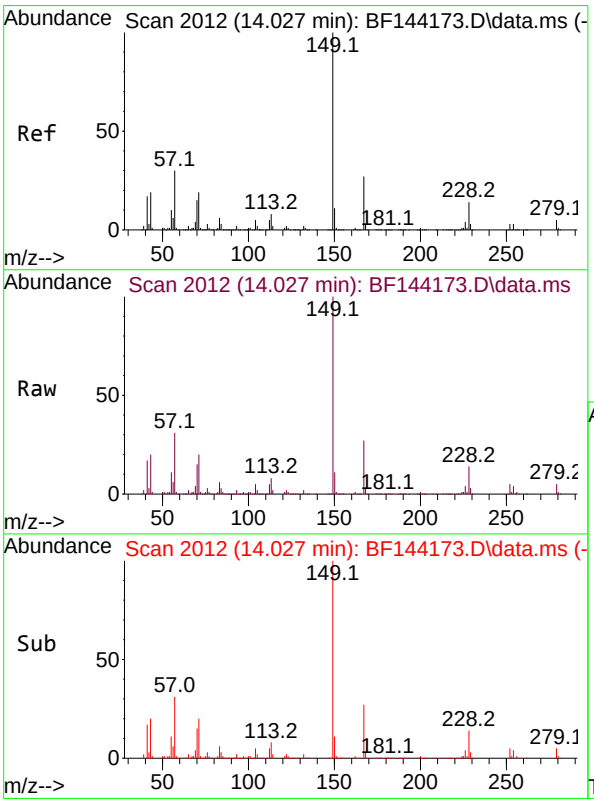
#83
Chrysene
Concen: 43.853 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 456347

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.9	34.3
229	18.8	15.0	22.6

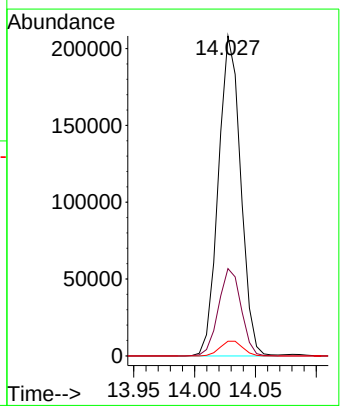


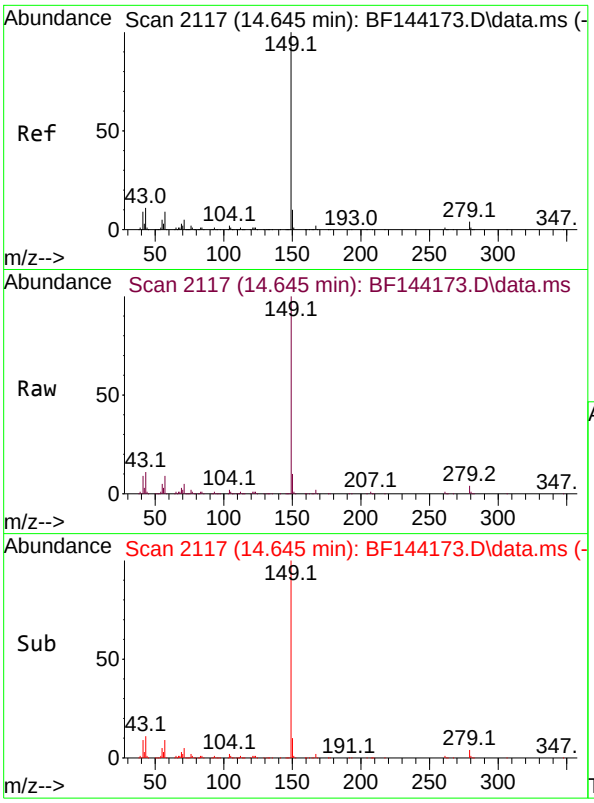


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.651 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:149 Resp: 265384

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.6	3.7	5.5



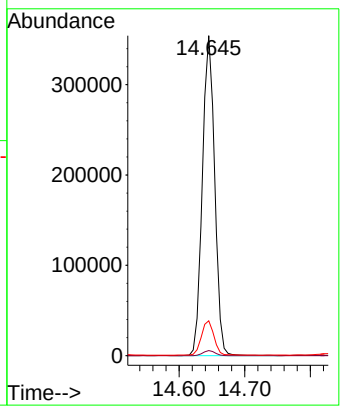


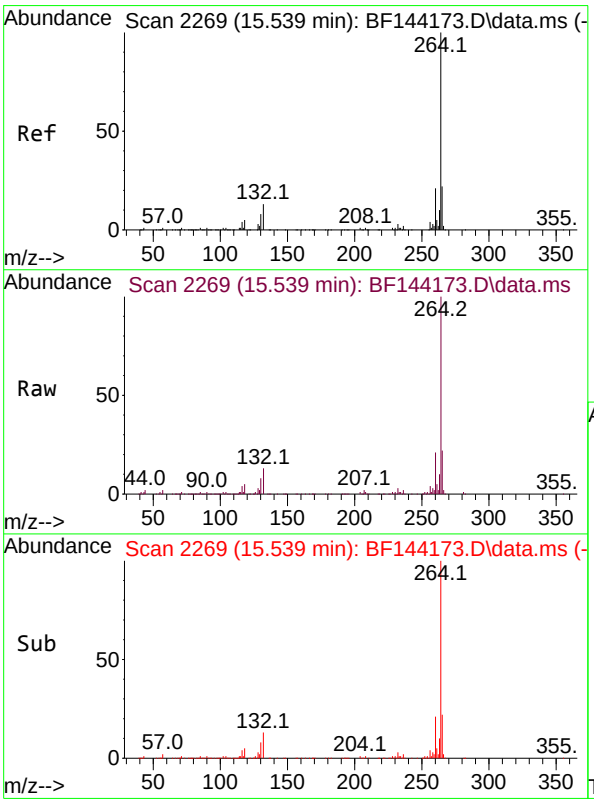
#85
Di-n-octyl phthalate
Concen: 42.739 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 458823

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	9.0	13.4

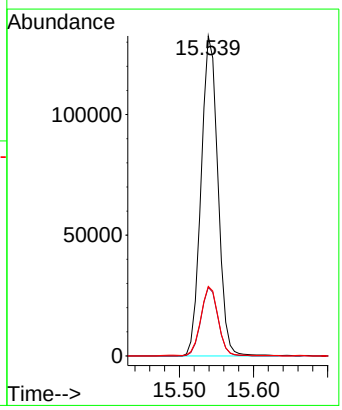


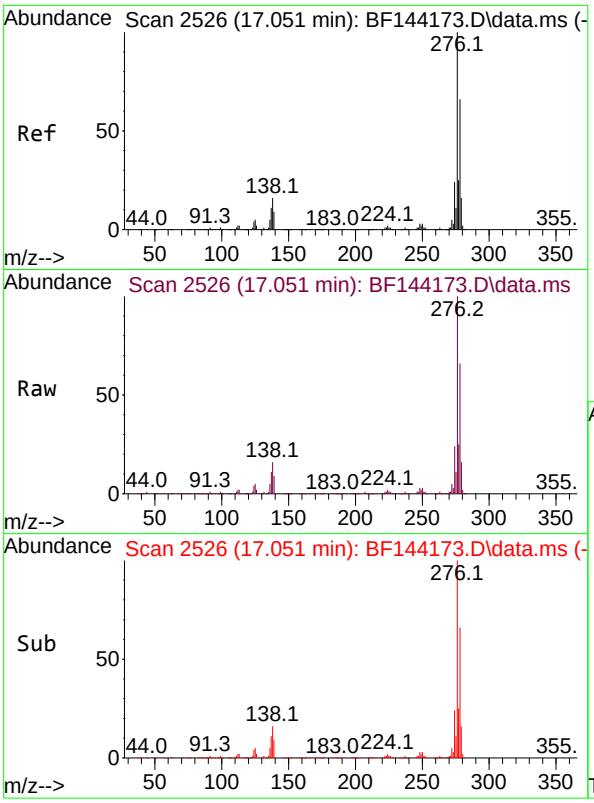


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:264 Resp: 208923

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	21.7	17.4	26.0



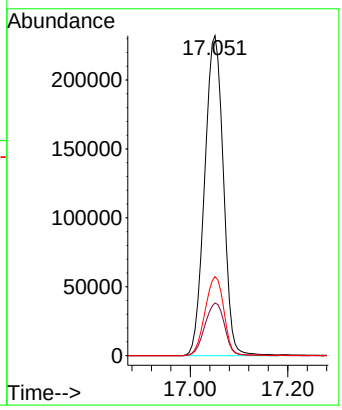


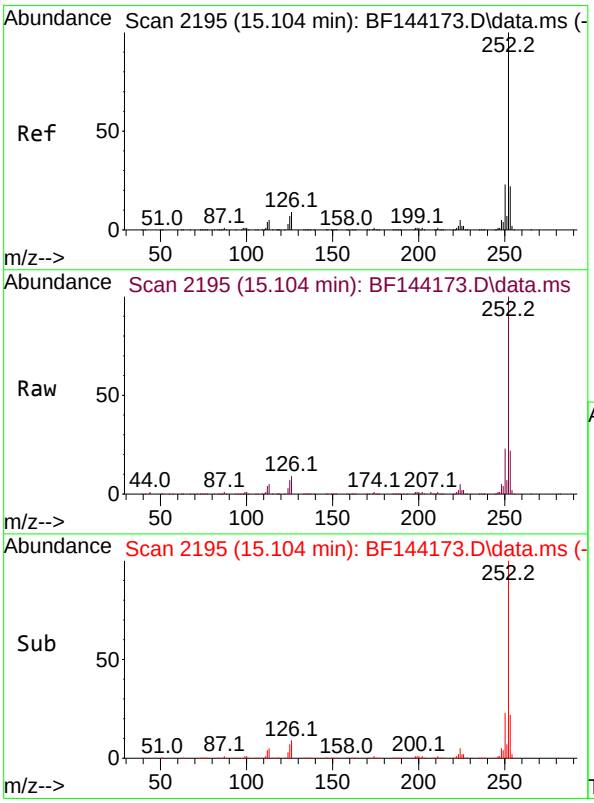
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.385 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 620668

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.9	20.9
277	24.7	19.8	29.6

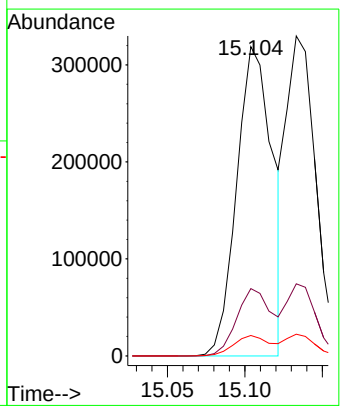


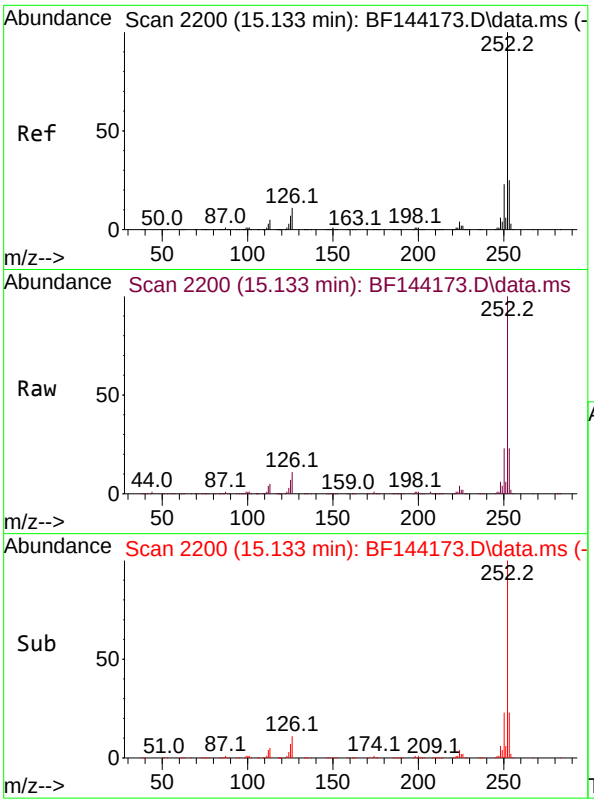


#88
Benzo(b)fluoranthene
Concen: 43.375 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 515192

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	6.6	5.3	7.9



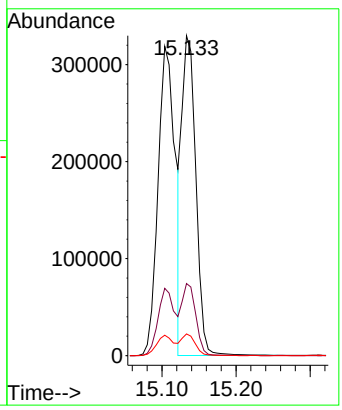


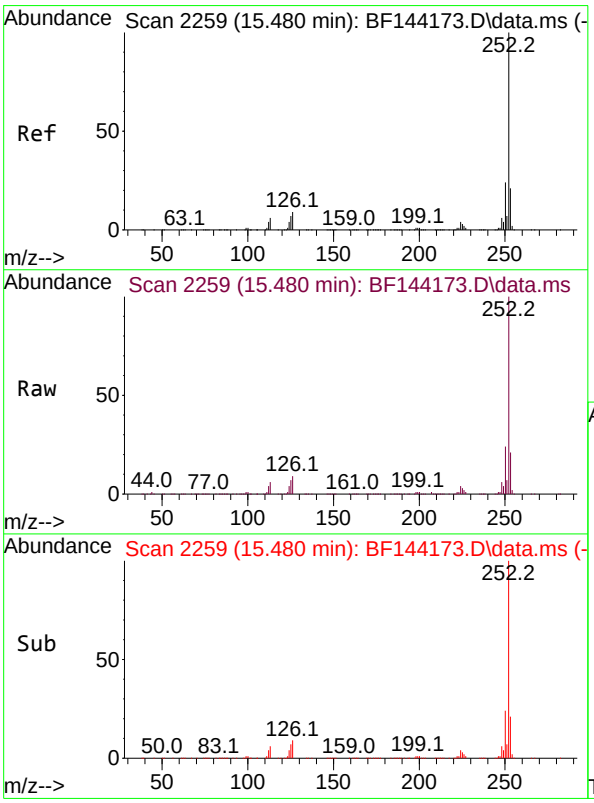
#89
Benzo(k)fluoranthene
Concen: 39.135 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 435087

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	6.8	5.4	8.2

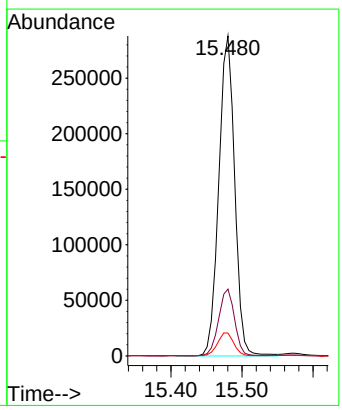


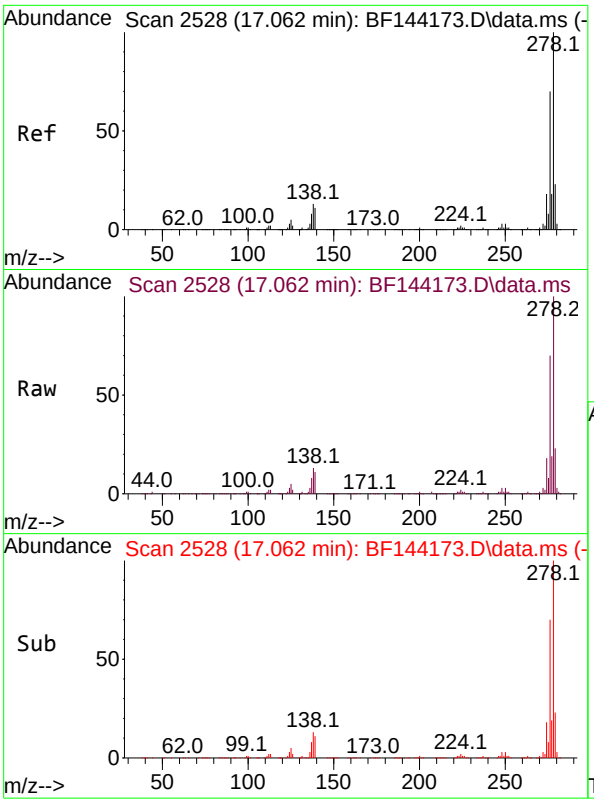


#90
Benzo(a)pyrene
Concen: 41.055 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:252 Resp: 449869

Ion	Ratio	Lower	Upper
252	100		
253	20.9	16.7	25.1
125	7.1	5.7	8.5



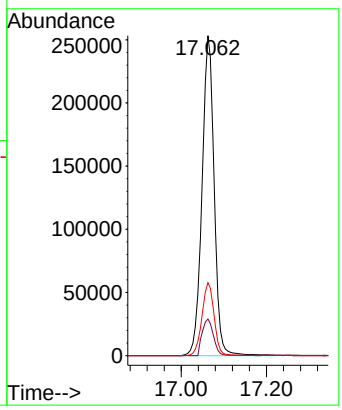


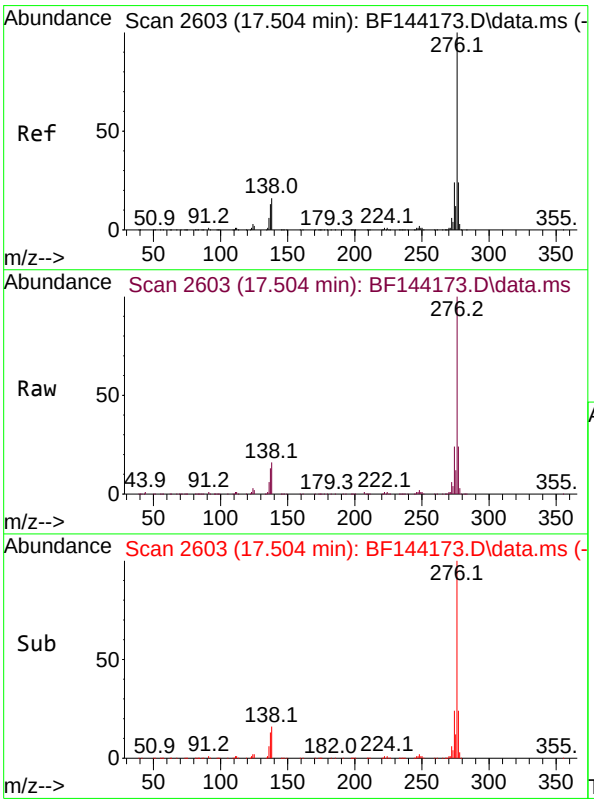
#91
Dibenzo(a,h)anthracene
Concen: 41.578 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 500778

Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.1	13.7
279	22.8	18.2	27.4

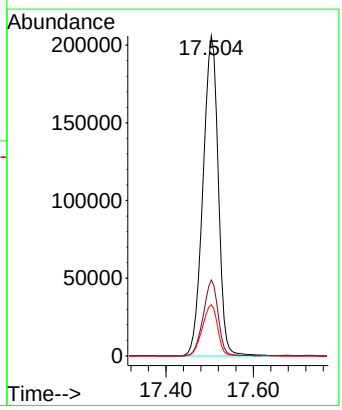




#92
Benzo(g,h,i)perylene
Concen: 41.843 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF144173.D
Acq: 05 Nov 2025 14:50

Tgt Ion:276 Resp: 497680

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	16.1	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	84549	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	313425	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	170294	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	283828	20.000	ng		0.00
76) Chrysene-d12	14.063	240	194366	20.000	ng		0.00
86) Perylene-d12	15.545	264	264861	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	489170	90.538	ng		0.00
7) Phenol-d6	6.504	99	541465	88.447	ng		0.00
23) Nitrobenzene-d5	7.439	82	502493	92.595	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	192917	90.275	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1002454	86.941	ng		0.00
79) Terphenyl-d14	12.998	244	1012618	82.754	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	105785	47.358	ng		97
3) Pyridine	3.375	79	291313	46.746	ng		98
4) n-Nitrosodimethylamine	3.334	42	152767	46.930	ng		98
6) Aniline	6.540	93	389058	44.605	ng		99
8) 2-Chlorophenol	6.663	128	243472	45.950	ng		99
9) Benzaldehyde	6.428	77	141949	41.062	ng		97
10) Phenol	6.522	94	330203	44.146	ng		92
11) bis(2-Chloroethyl)ether	6.610	93	244159	44.798	ng		97
12) 1,3-Dichlorobenzene	6.816	146	295294	45.164	ng		98
13) 1,4-Dichlorobenzene	6.892	146	290027	44.277	ng		100
14) 1,2-Dichlorobenzene	7.045	146	280070	44.609	ng		99
15) Benzyl Alcohol	7.016	79	221836	45.762	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	453774	45.212	ng		98
17) 2-Methylphenol	7.128	107	189260	44.899	ng		100
18) Hexachloroethane	7.387	117	98682	45.346	ng		100
19) n-Nitroso-di-n-propyla...	7.287	70	171911	42.657	ng		95
20) 3+4-Methylphenols	7.281	107	217734	43.819	ng		92
22) Acetophenone	7.287	105	297391	44.230	ng		96
24) Nitrobenzene	7.463	77	268336	45.541	ng		98
25) Isophorone	7.698	82	455511	44.376	ng		98
26) 2-Nitrophenol	7.775	139	136351	46.747	ng		97
27) 2,4-Dimethylphenol	7.810	122	204079	46.681	ng		97
28) bis(2-Chloroethoxy)met...	7.904	93	291202	45.429	ng		98
29) 2,4-Dichlorophenol	8.016	162	226748	45.001	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	231992	44.838	ng		99
31) Naphthalene	8.181	128	665821	44.658	ng		99
32) Benzoic acid	7.928	122	129332	40.359	ng		98
33) 4-Chloroaniline	8.228	127	241956	44.496	ng		99
34) Hexachlorobutadiene	8.292	225	181564	46.562	ng		98
35) Caprolactam	8.604	113	58430	42.327	ng	#	88
36) 4-Chloro-3-methylphenol	8.710	107	202891	44.930	ng		96
37) 2-Methylnaphthalene	8.875	142	438395	43.979	ng		99
38) 1-Methylnaphthalene	8.969	142	419784	43.644	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	250210	44.832	ng		98
41) Hexachlorocyclopentadiene	9.022	237	86860	48.007	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	174024	45.813	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

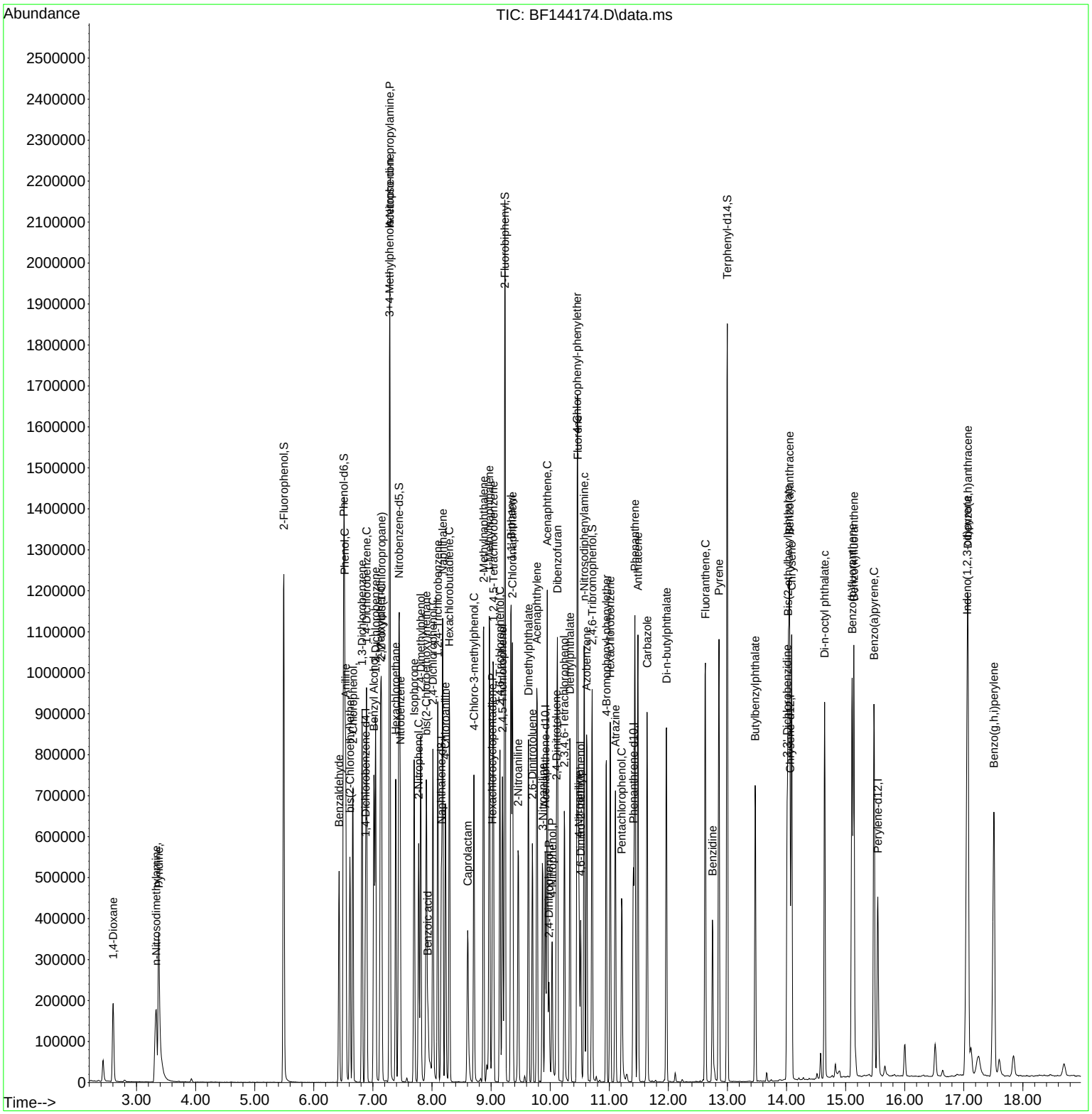
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186449	45.542	ng	100
46) 1,1'-Biphenyl	9.339	154	527437	44.371	ng	99
47) 2-Chloronaphthalene	9.363	162	454778	44.851	ng	99
48) 2-Nitroaniline	9.457	65	138845	47.458	ng	97
49) Acenaphthylene	9.775	152	613066	44.368	ng	99
50) Dimethylphthalate	9.633	163	497451	44.094	ng	100
51) 2,6-Dinitrotoluene	9.698	165	107091	46.892	ng	99
52) Acenaphthene	9.951	154	407187	44.067	ng	99
53) 3-Nitroaniline	9.875	138	112371	45.012	ng	99
54) 2,4-Dinitrophenol	9.981	184	56551	41.007	ng	97
55) Dibenzofuran	10.122	168	569268	43.989	ng	99
56) 4-Nitrophenol	10.033	139	78636	43.544	ng	98
57) 2,4-Dinitrotoluene	10.104	165	139501	45.629	ng	98
58) Fluorene	10.469	166	424429	43.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	134554	46.453	ng	98
60) Diethylphthalate	10.333	149	457569	43.997	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	242650	43.294	ng	96
62) 4-Nitroaniline	10.486	138	108312	45.557	ng	97
63) Azobenzene	10.616	77	423631	43.768	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	85232	44.204	ng	98
66) n-Nitrosodiphenylamine	10.575	169	409670	44.877	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	161600	44.606	ng	99
68) Hexachlorobenzene	11.016	284	193574	45.364	ng	97
69) Atrazine	11.104	200	127465	43.906	ng	99
70) Pentachlorophenol	11.210	266	96941	45.622	ng	97
71) Phenanthrene	11.433	178	633088	44.800	ng	100
72) Anthracene	11.486	178	636448	44.292	ng	99
73) Carbazole	11.639	167	540957	44.273	ng	100
74) Di-n-butylphthalate	11.969	149	650810	44.060	ng	100
75) Fluoranthene	12.627	202	645856	44.244	ng	99
77) Benzidine	12.745	184	248615	43.243	ng	99
78) Pyrene	12.857	202	666673	42.540	ng	100
80) Butylbenzylphthalate	13.469	149	242259	44.602	ng	99
81) Benzo(a)anthracene	14.051	228	626599	46.515	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	214437	46.440	ng	97
83) Chrysene	14.086	228	565678	45.489	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	342489	46.061	ng	99
85) Di-n-octyl phthalate	14.645	149	616644	48.068	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	867786	45.642	ng	99
88) Benzo(b)fluoranthene	15.110	252	663728	44.079	ng	99
89) Benzo(k)fluoranthene	15.139	252	661746	46.952	ng	98
90) Benzo(a)pyrene	15.480	252	637370	45.882	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	688620	45.098	ng	98
92) Benzo(g,h,i)perylene	17.509	276	680830	45.152	ng	99

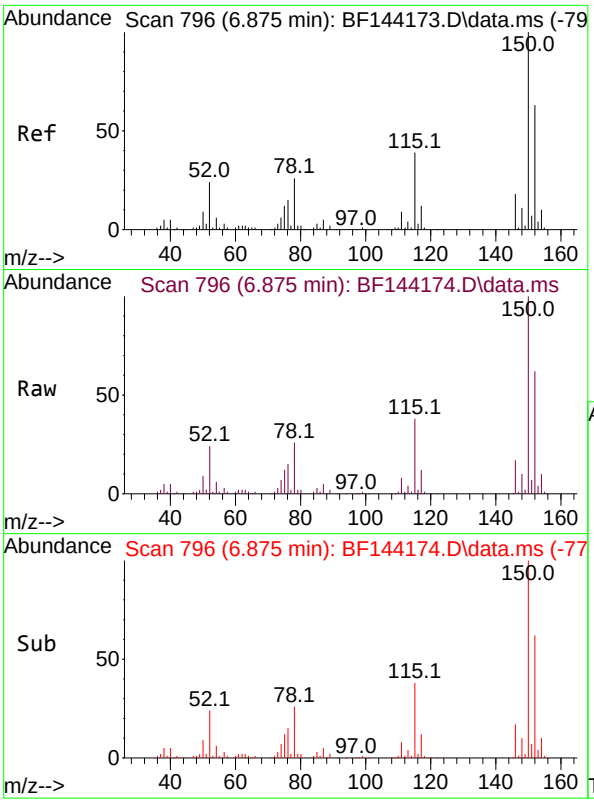
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144174.D
Acq On : 05 Nov 2025 15:49
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 05 17:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



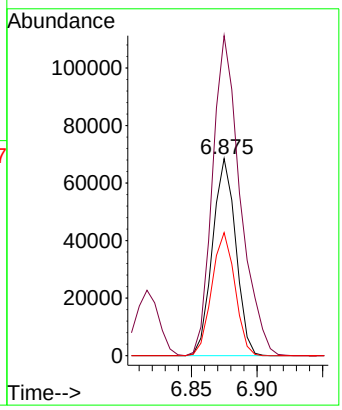


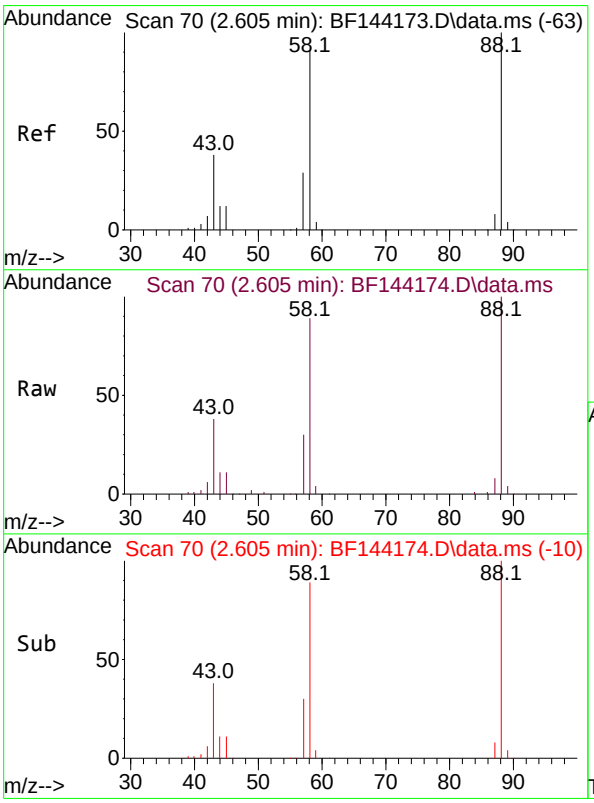
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 84549

Ion	Ratio	Lower	Upper
152	100		
150	162.4	127.4	191.0
115	62.4	49.5	74.3

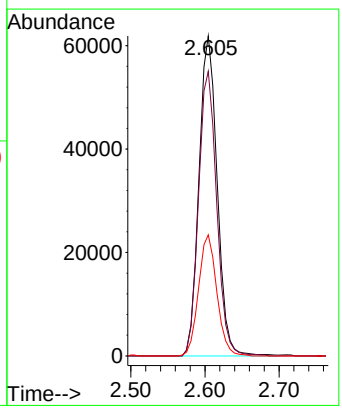


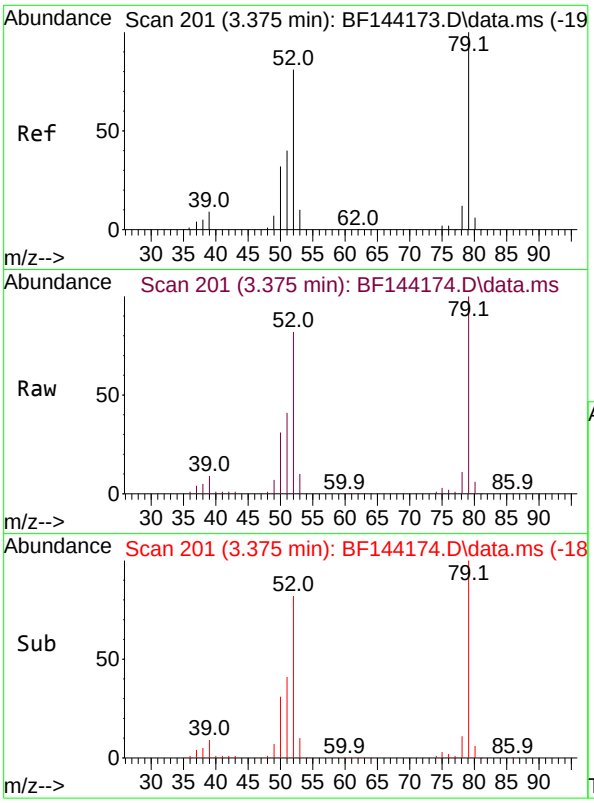


#2
1,4-Dioxane
Concen: 47.358 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 88 Resp: 105785

Ion	Ratio	Lower	Upper
88	100		
58	88.5	73.1	109.7
43	38.0	31.0	46.6



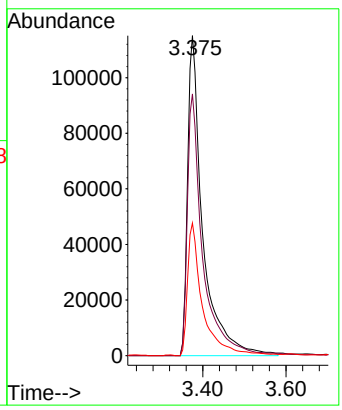


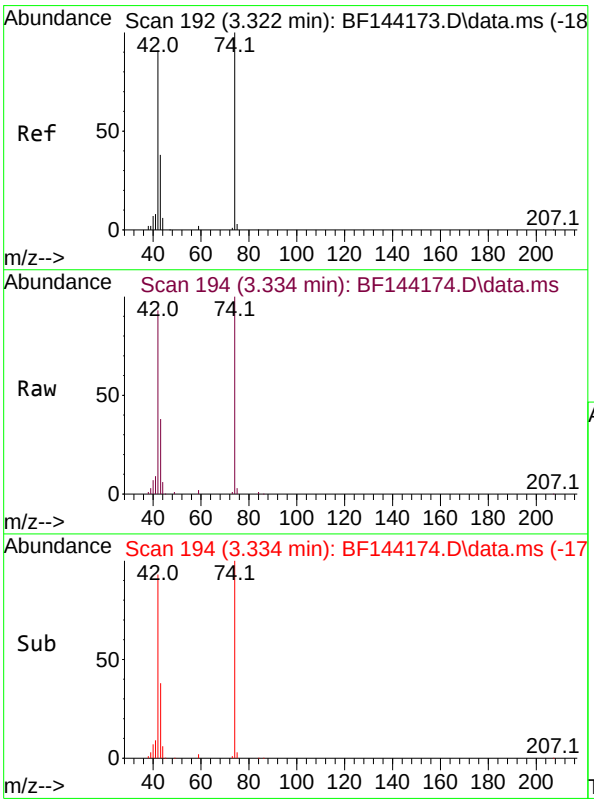
#3
Pyridine
Concen: 46.746 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 291313

Ion	Ratio	Lower	Upper
79	100		
52	81.8	64.5	96.7
51	41.4	31.7	47.5

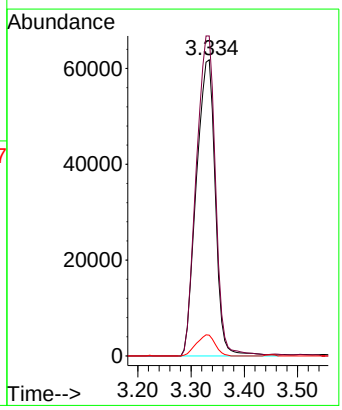


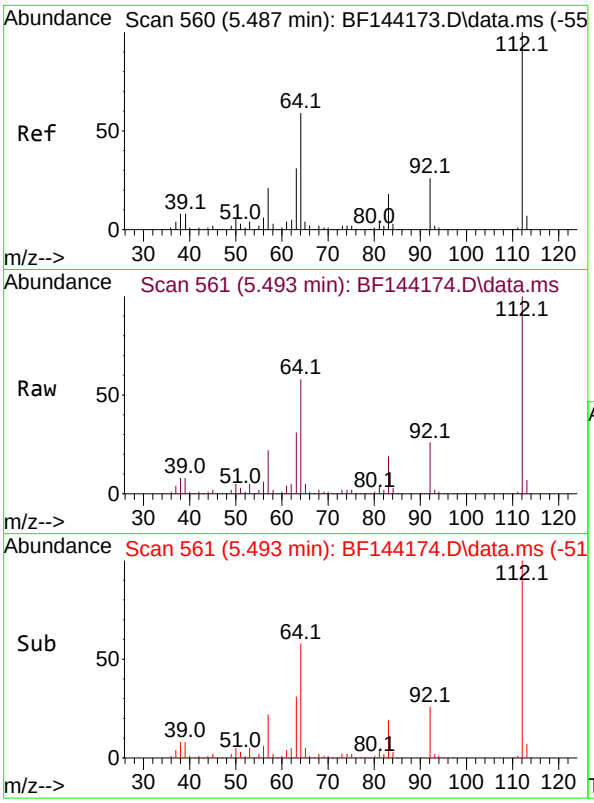


#4
n-Nitrosodimethylamine
Concen: 46.930 ng
RT: 3.334 min Scan# 194
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 42 Resp: 152767

Ion	Ratio	Lower	Upper
42	100		
74	108.1	88.2	132.4
44	7.0	5.7	8.5



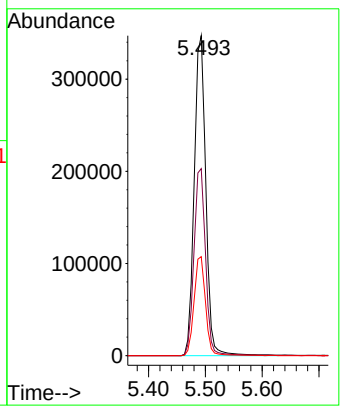


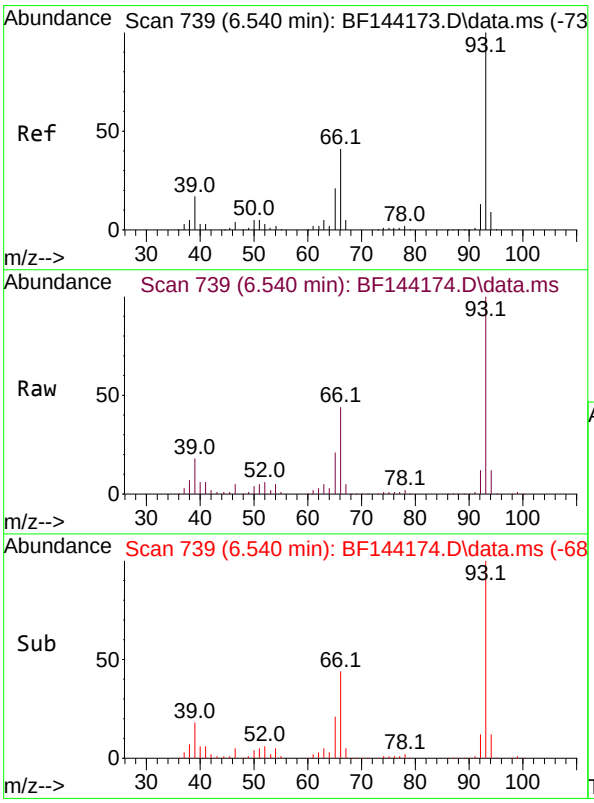
#5
2-Fluorophenol
Concen: 90.538 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 489170

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.2	70.8
63	30.9	24.4	36.6

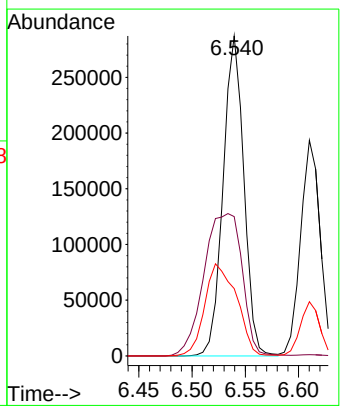


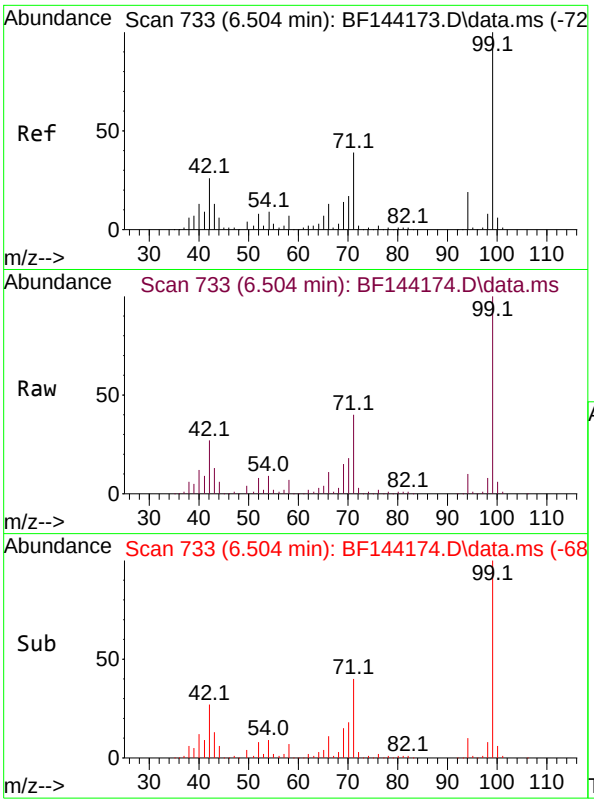


#6
Aniline
Concen: 44.605 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 93 Resp: 389058

Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.3	51.5
65	21.0	16.9	25.3



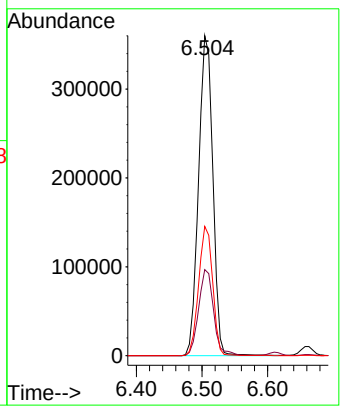


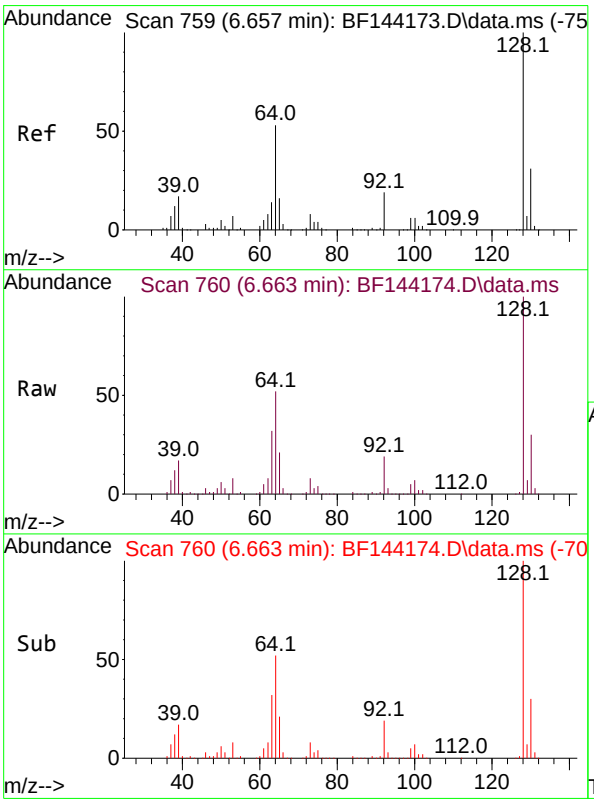
#7
Phenol-d6
Concen: 88.447 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 541465

Ion	Ratio	Lower	Upper
99	100		
42	26.9	20.9	31.3
71	40.4	31.4	47.2

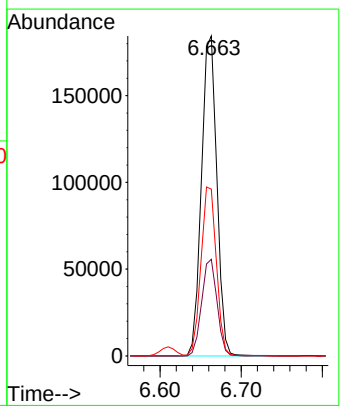


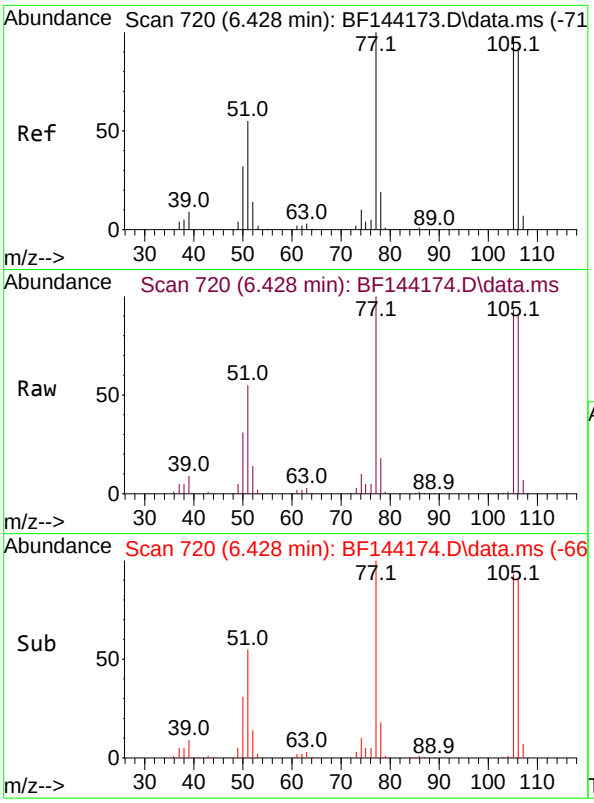


#8
2-Chlorophenol
Concen: 45.950 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:128 Resp: 243472

Ion	Ratio	Lower	Upper
128	100		
130	30.2	10.5	50.5
64	52.1	33.2	73.2



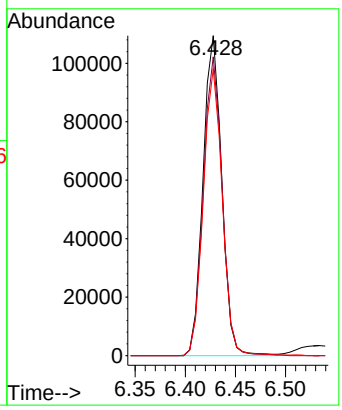


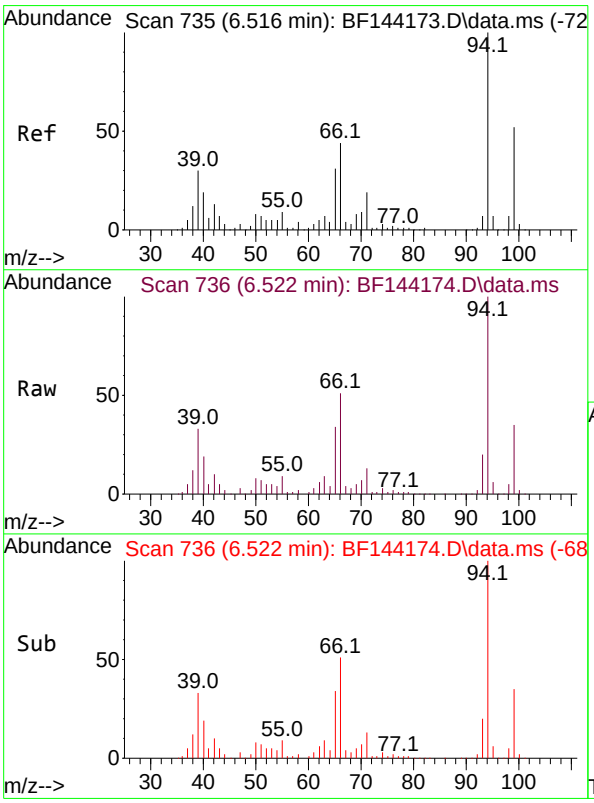
#9
Benzaldehyde
Concen: 41.062 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 141949

Ion	Ratio	Lower	Upper
77	100		
105	93.4	77.2	117.2
106	89.6	72.2	112.2

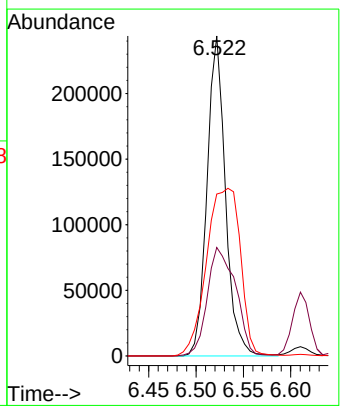


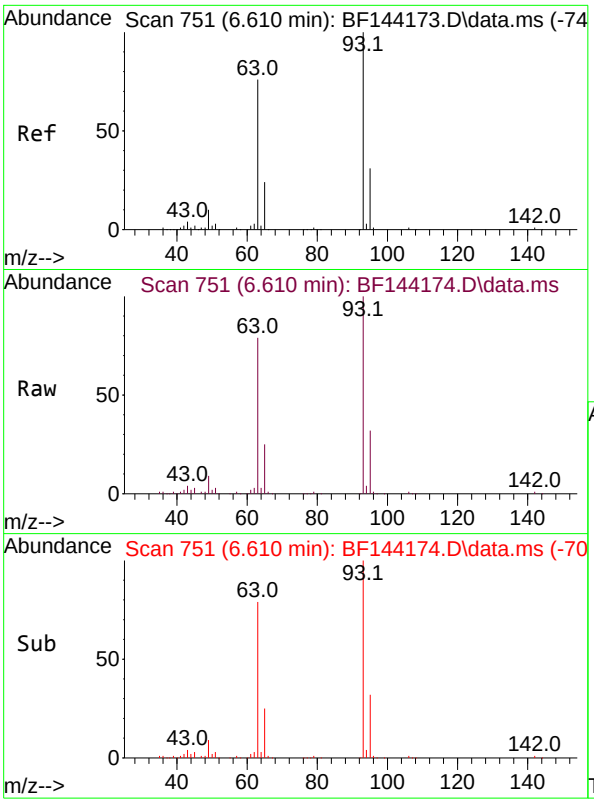


#10
Phenol
Concen: 44.146 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 94 Resp: 330203

Ion	Ratio	Lower	Upper
94	100		
65	33.9	10.8	50.8
66	50.6	24.3	64.3



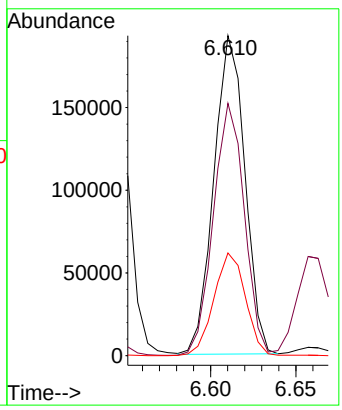


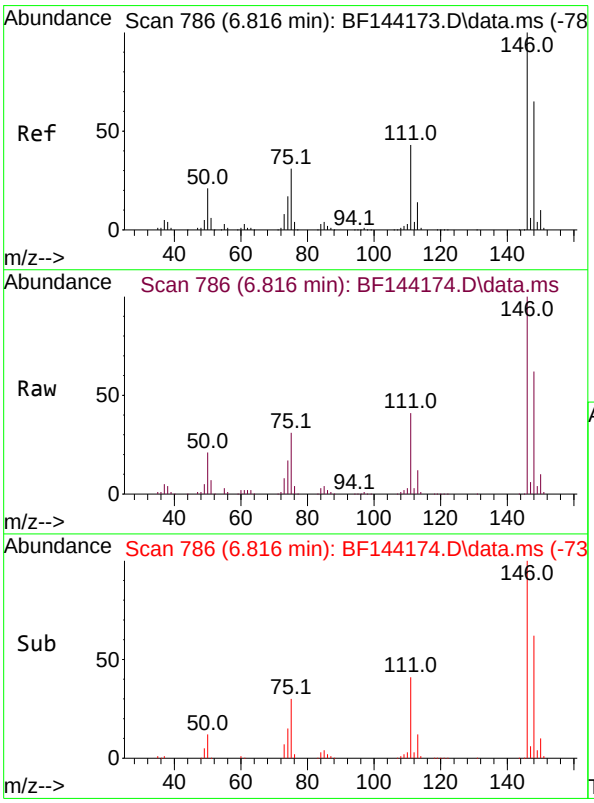
#11
bis(2-Chloroethyl)ether
Concen: 44.798 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 244159

Ion	Ratio	Lower	Upper
93	100		
63	78.8	55.2	95.2
95	32.1	11.2	51.2

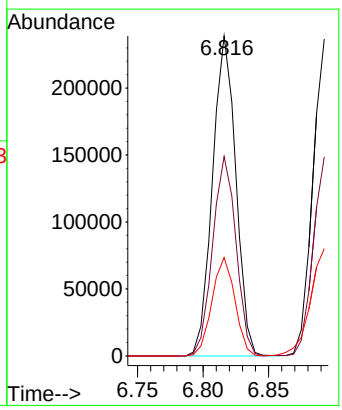


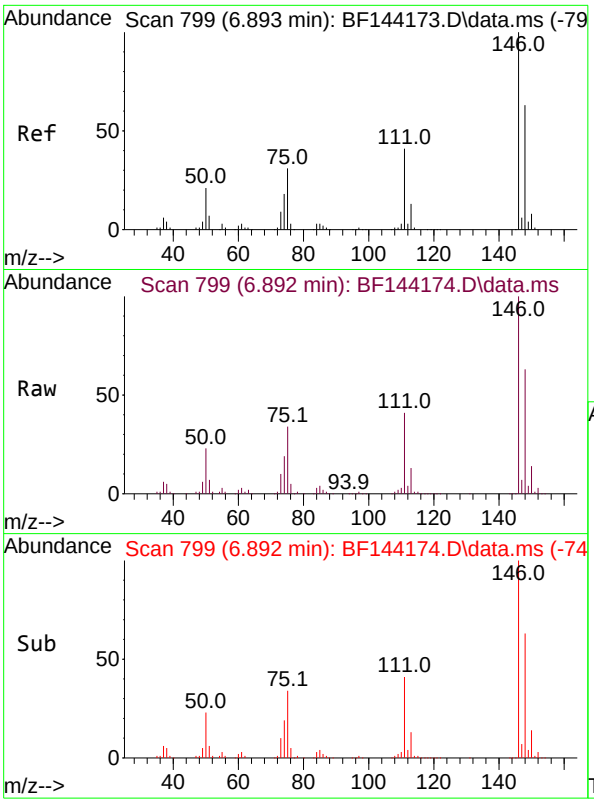


#12
1,3-Dichlorobenzene
Concen: 45.164 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:146 Resp: 295294

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.8	77.8
75	30.7	25.0	37.4



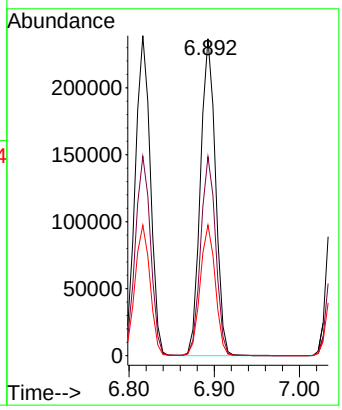


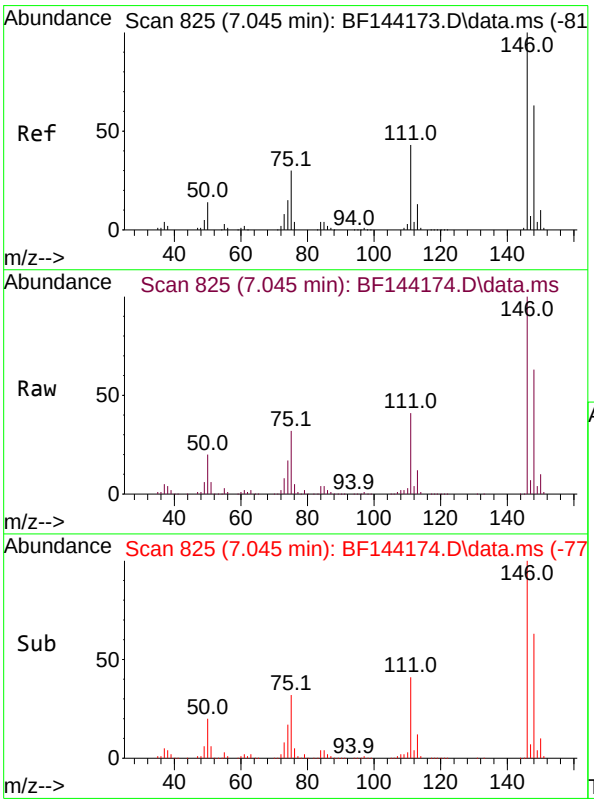
#13
1,4-Dichlorobenzene
Concen: 44.277 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 290027

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.2	75.2
111	41.2	32.6	48.8

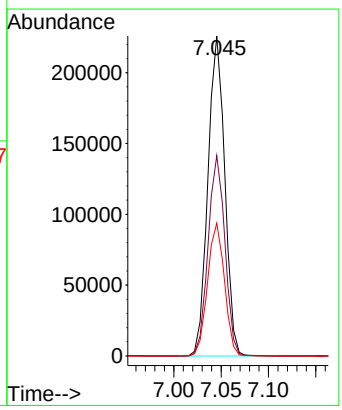


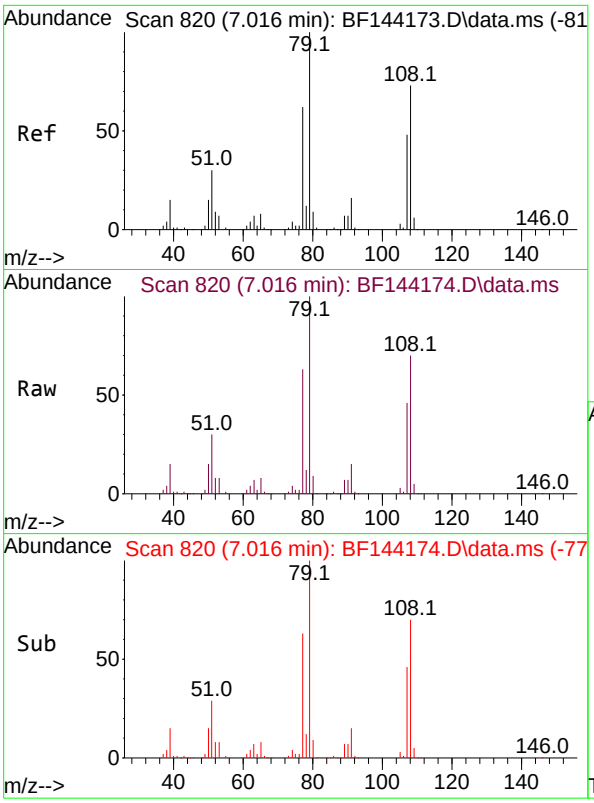


#14
1,2-Dichlorobenzene
Concen: 44.609 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:146 Resp: 280070

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	41.5	34.2	51.4



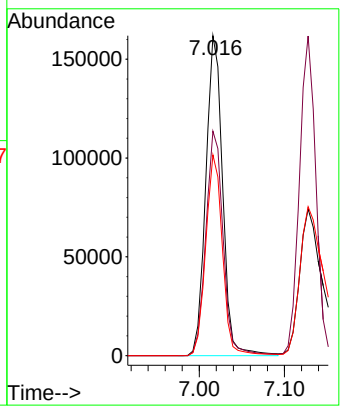


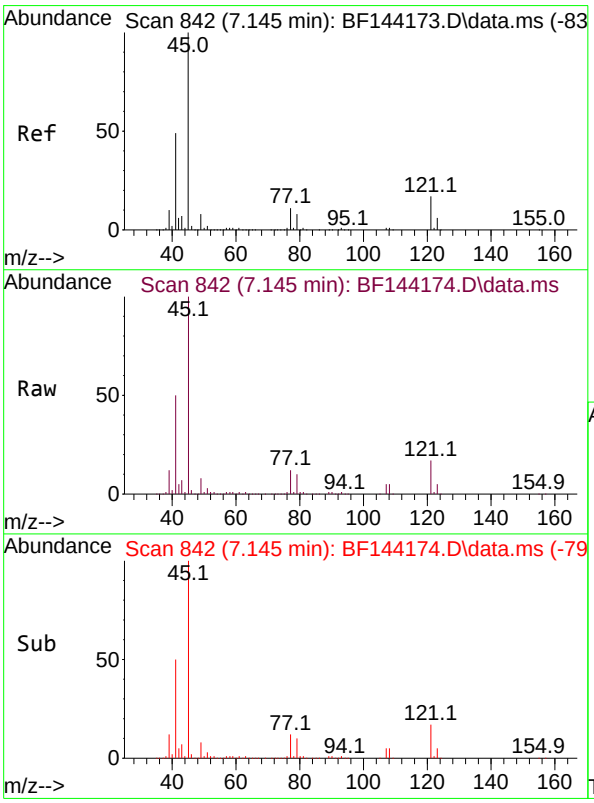
#15
Benzyl Alcohol
Concen: 45.762 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 221836

Ion	Ratio	Lower	Upper
79	100		
108	70.1	58.2	87.4
77	62.7	49.9	74.9

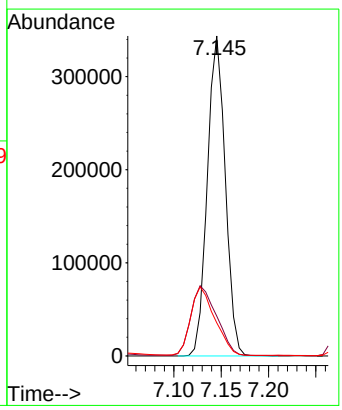


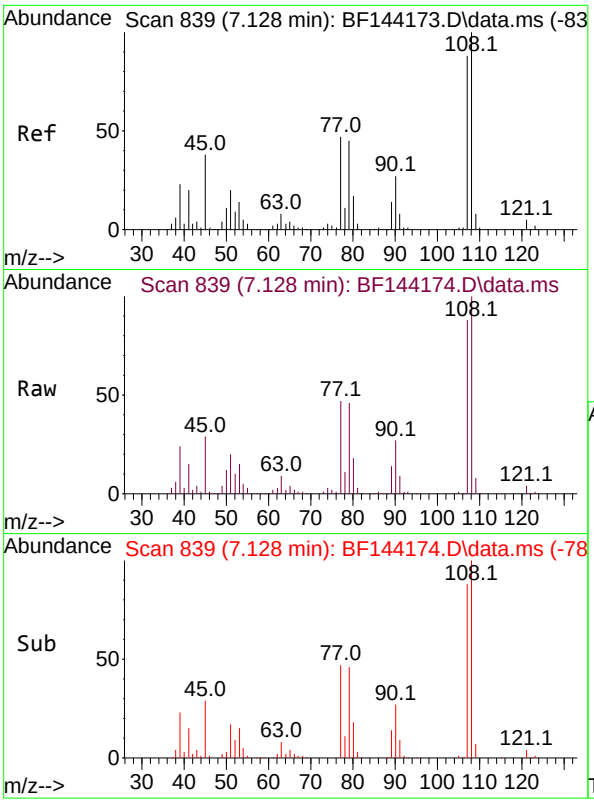


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.212 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 45 Resp: 453774

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	31.8
79	10.3	0.0	29.1



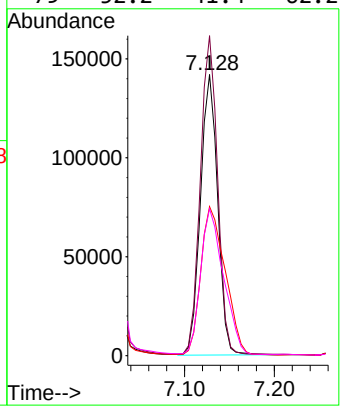


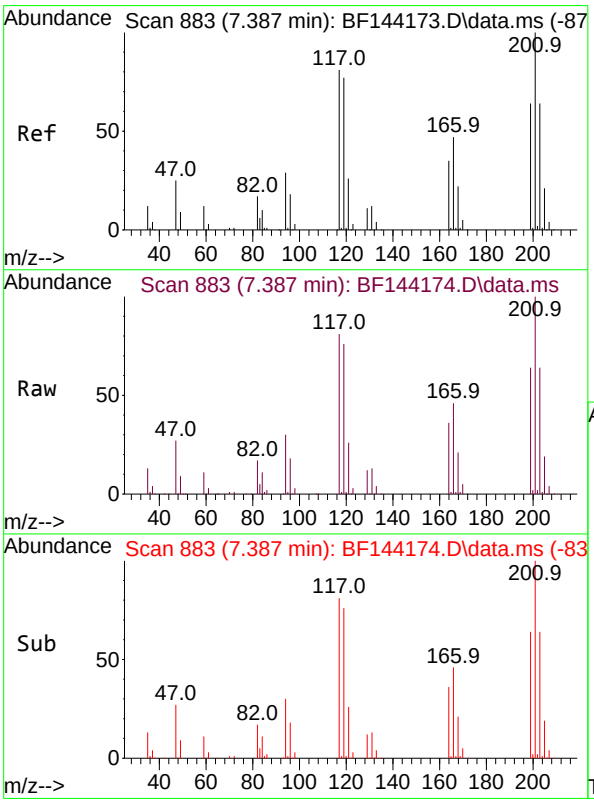
#17
2-Methylphenol
Concen: 44.899 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 189260

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.0	136.4
77	53.1	42.7	64.1
79	52.2	41.4	62.2

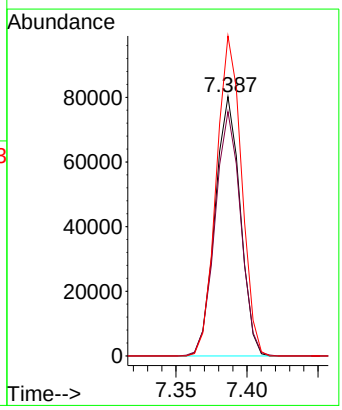


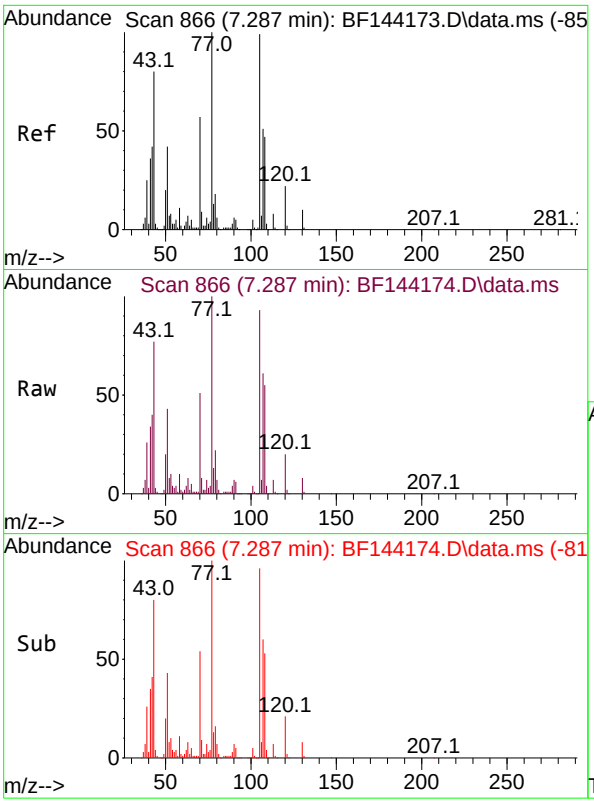


#18
Hexachloroethane
Concen: 45.346 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:117 Resp: 98682

Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
201	123.4	98.9	148.3



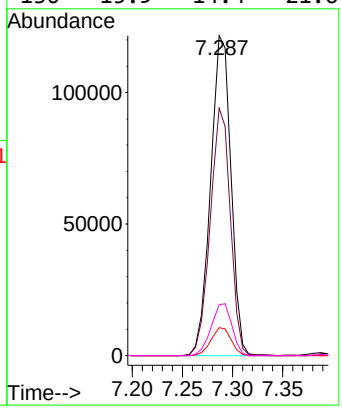


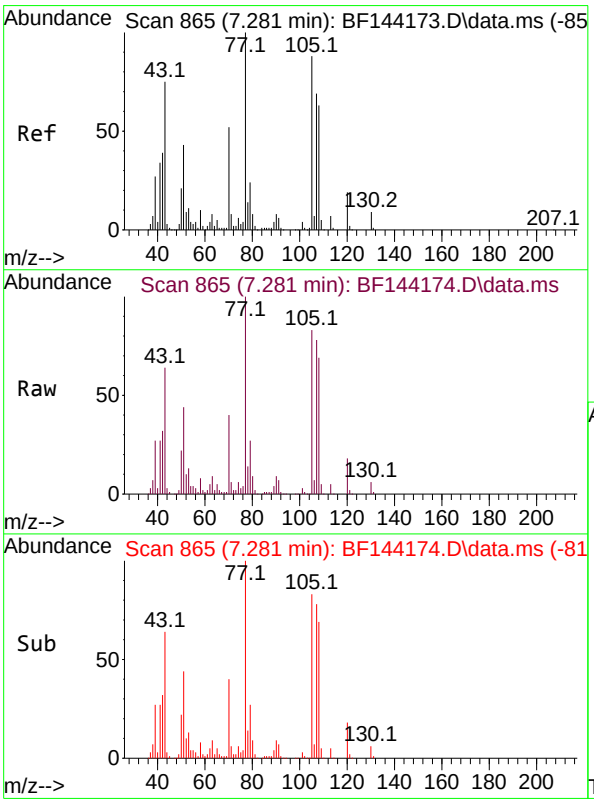
#19
n-Nitroso-di-n-propylamine
Concen: 42.657 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 171911

Ion	Ratio	Lower	Upper
70	100		
42	77.3	58.3	87.5
101	8.7	7.0	10.6
130	15.9	14.4	21.6

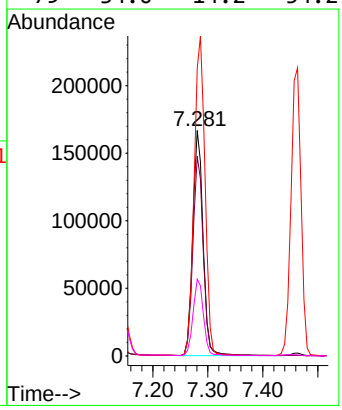


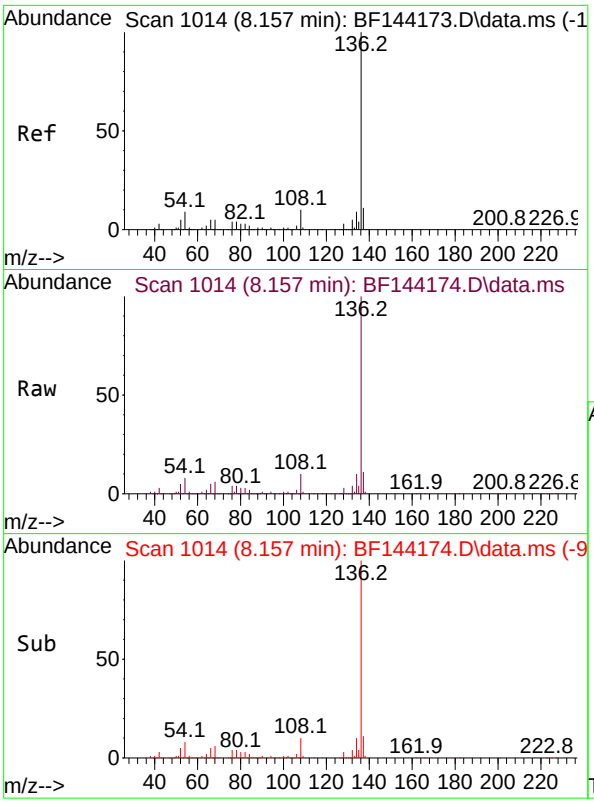


#20
3+4-Methylphenols
Concen: 43.819 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:107 Resp: 217734

Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.2	110.2
77	127.5	123.9	163.9
79	34.0	14.2	54.2



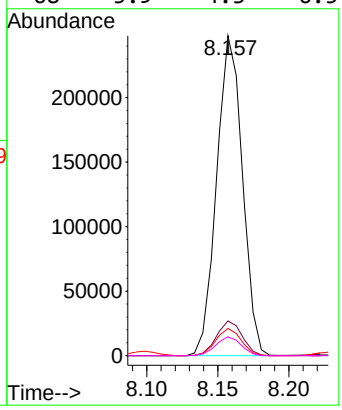


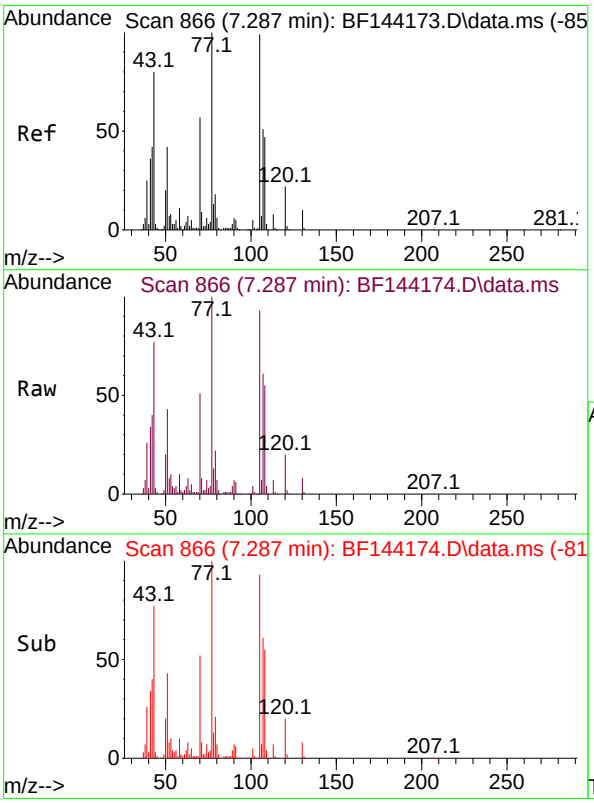
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 313425

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	7.0	10.6
68	5.9	4.3	6.5

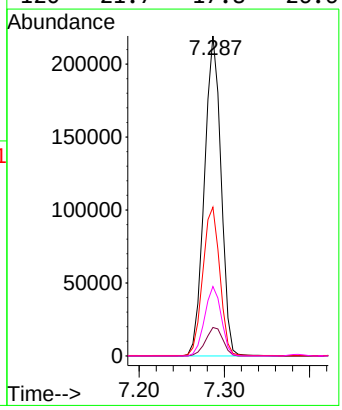


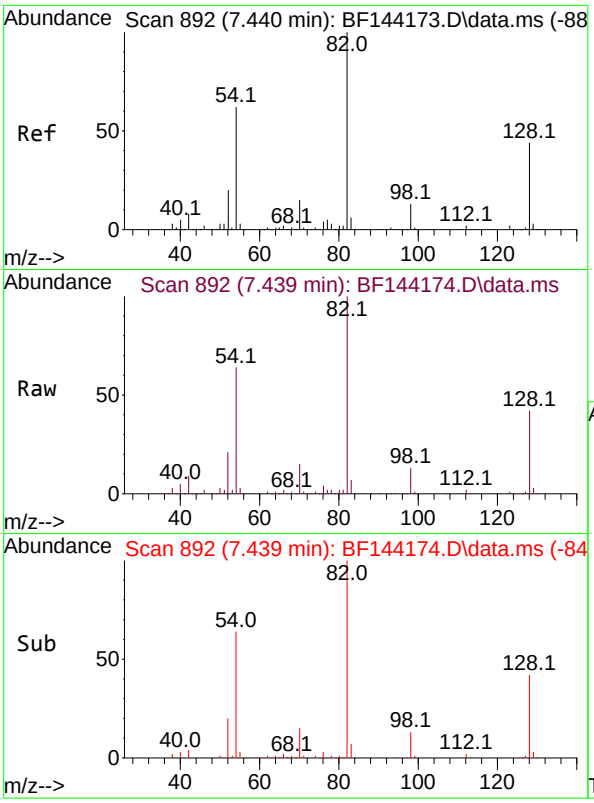


#22
Acetophenone
Concen: 44.230 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:105 Resp: 297391

Ion	Ratio	Lower	Upper
105	100		
71	8.9	7.2	10.8
51	46.5	34.0	51.0
120	21.7	17.8	26.6



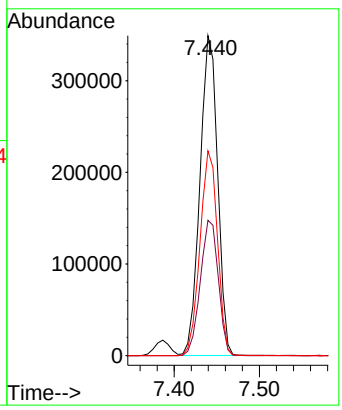


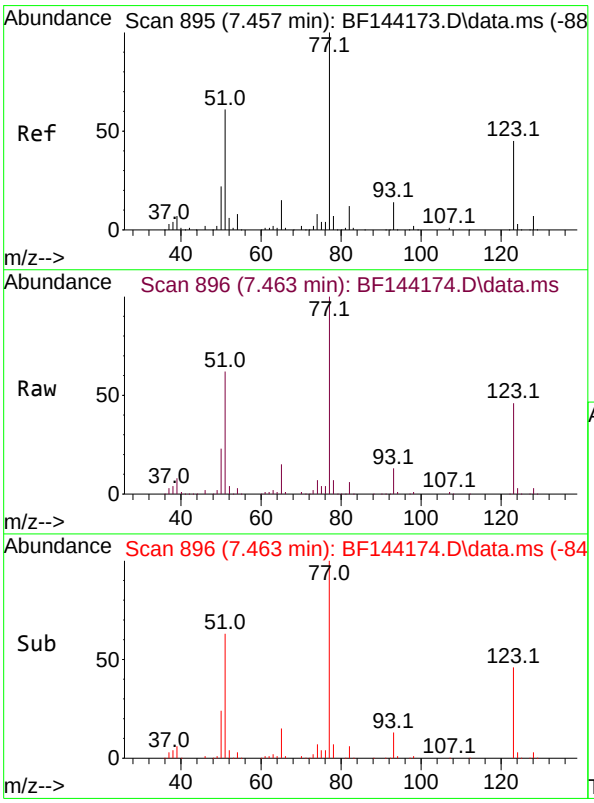
#23
Nitrobenzene-d5
Concen: 92.595 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 502493

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.7	52.1
54	64.0	49.5	74.3

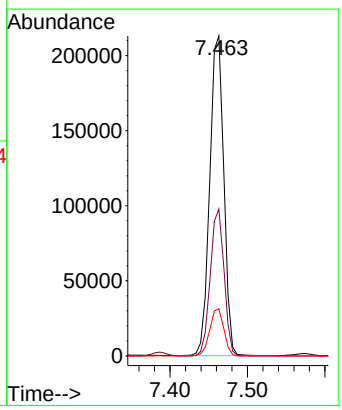


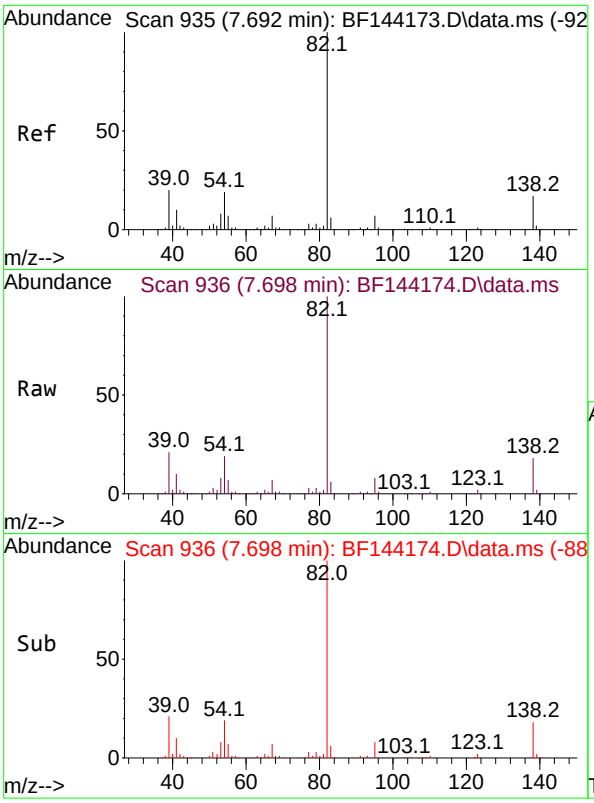


#24
Nitrobenzene
Concen: 45.541 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 77 Resp: 268336

Ion	Ratio	Lower	Upper
77	100		
123	45.9	35.8	53.8
65	14.7	12.2	18.2



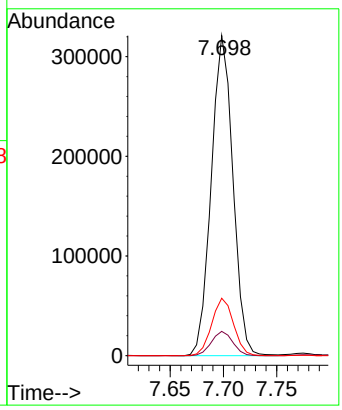


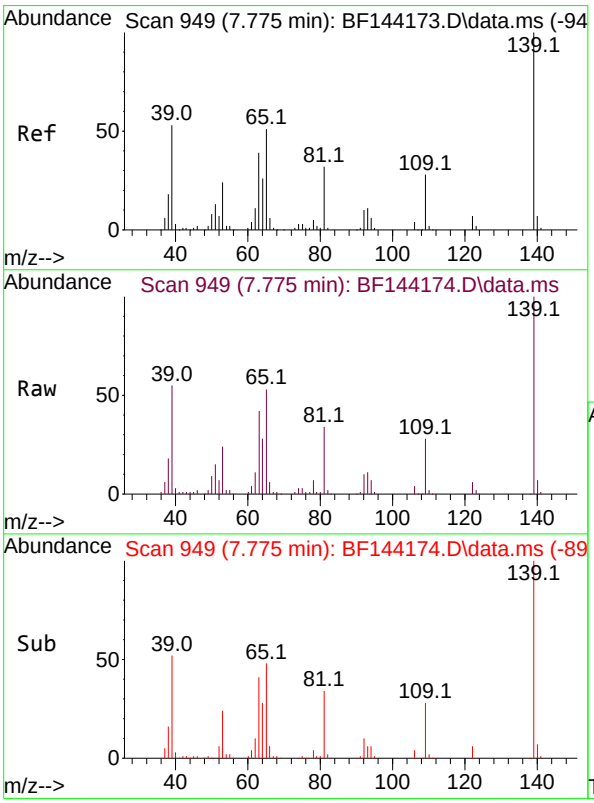
#25
Isophorone
Concen: 44.376 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 455511

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.5	8.3
138	17.9	13.7	20.5

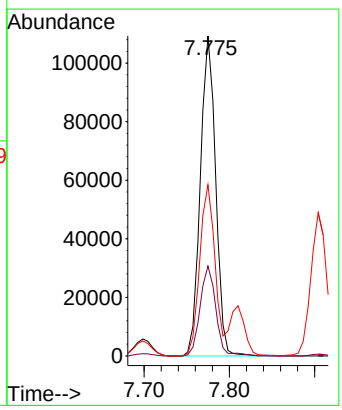


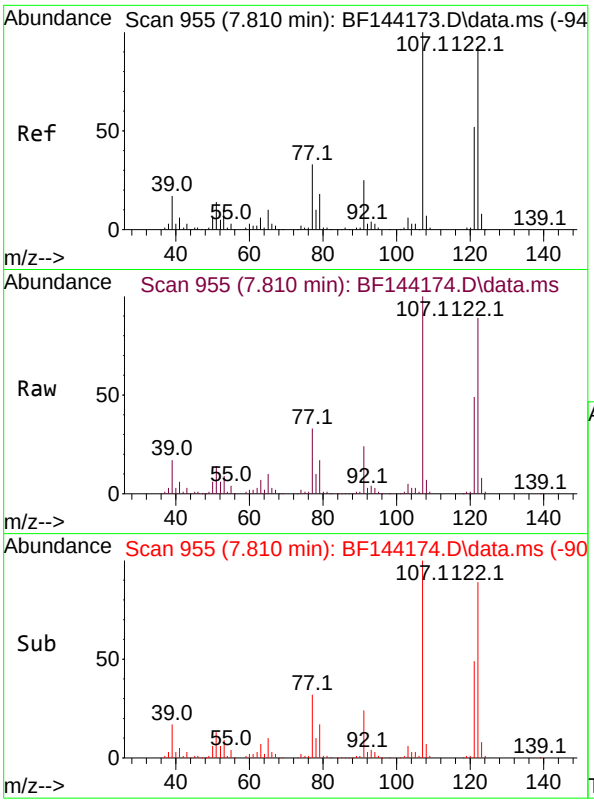


#26
2-Nitrophenol
Concen: 46.747 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:139 Resp: 136351

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.2	33.2
65	53.5	40.7	61.1



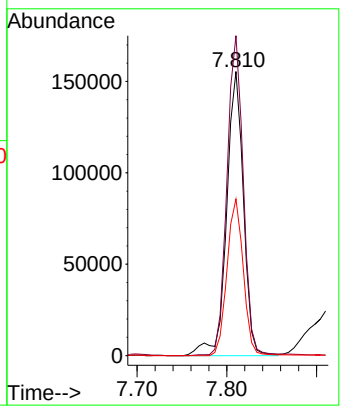


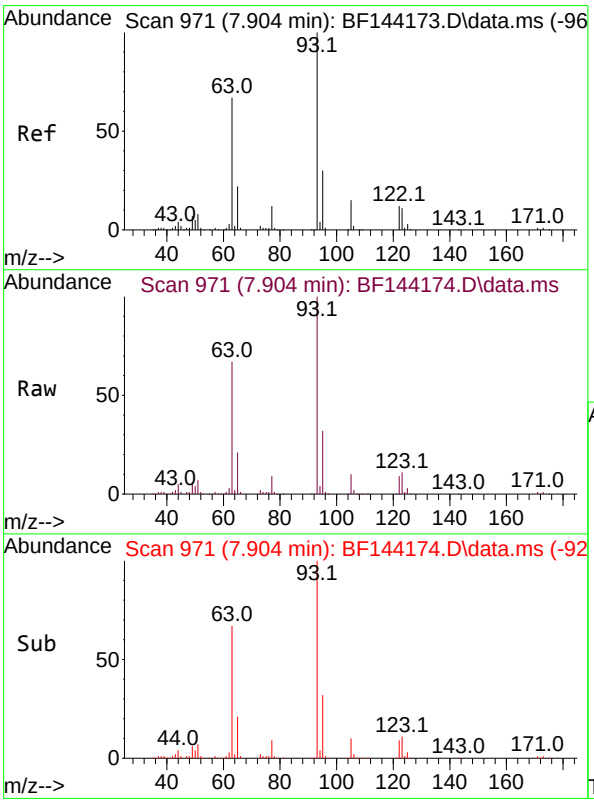
#27
2,4-Dimethylphenol
Concen: 46.681 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 204079

Ion	Ratio	Lower	Upper
122	100		
107	112.6	86.2	129.4
121	55.1	44.6	66.8

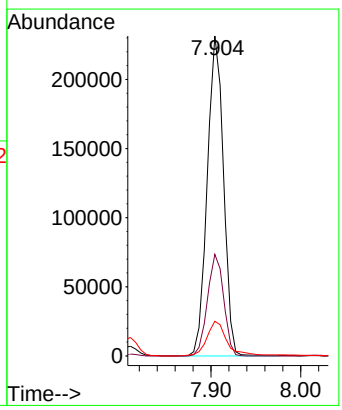


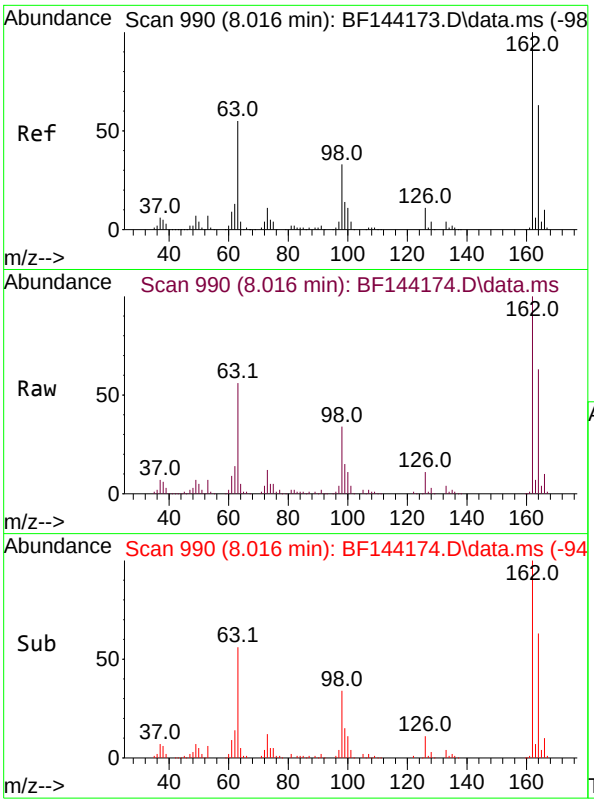


#28
bis(2-Chloroethoxy)methane
Concen: 45.429 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 93 Resp: 291202

Ion	Ratio	Lower	Upper
93	100		
95	31.7	24.2	36.4
123	10.8	9.0	13.4



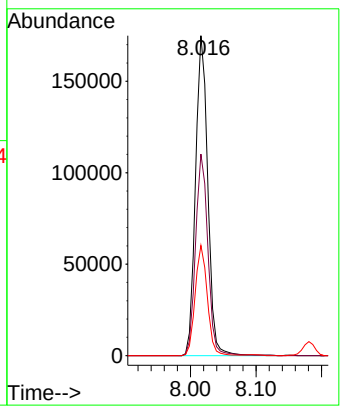


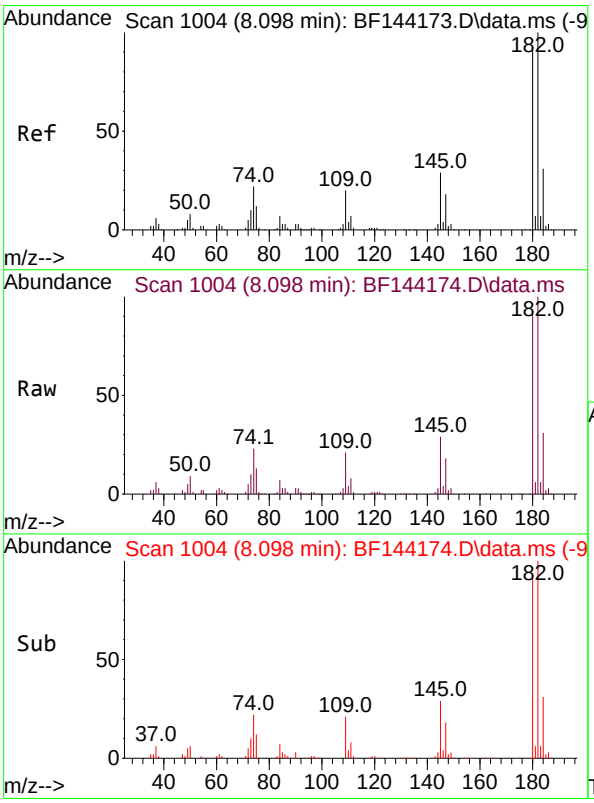
#29
2,4-Dichlorophenol
Concen: 45.001 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 226748

Ion	Ratio	Lower	Upper
162	100		
164	63.0	42.9	82.9
98	34.4	13.3	53.3

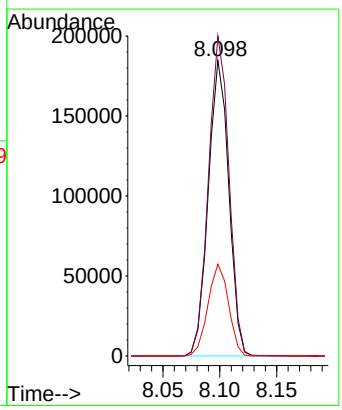


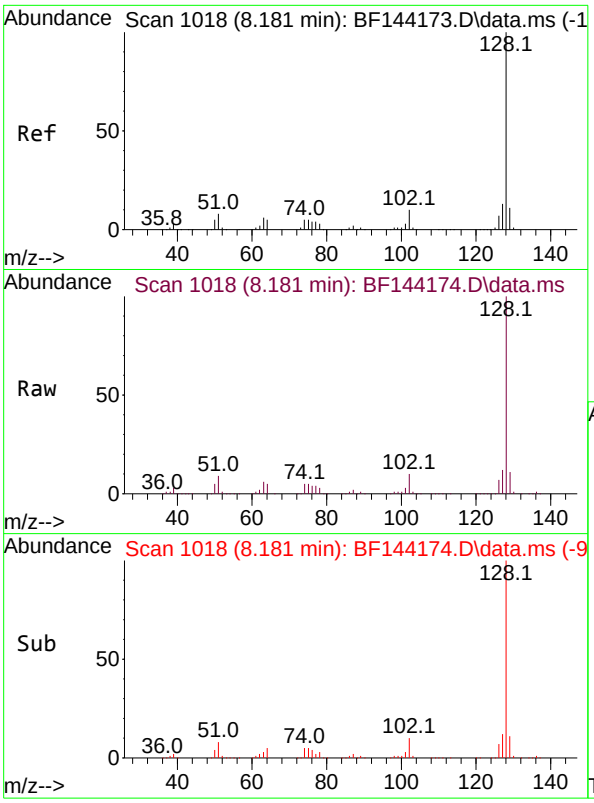


#30
1,2,4-Trichlorobenzene
Concen: 44.838 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:180 Resp: 231992

Ion	Ratio	Lower	Upper
180	100		
182	108.3	87.7	131.5
145	31.1	25.4	38.0



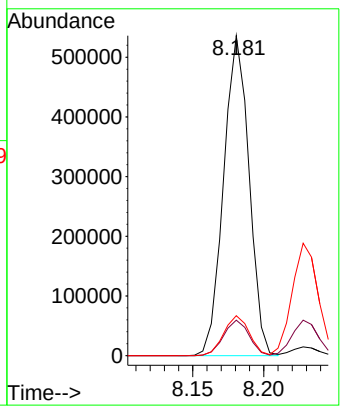


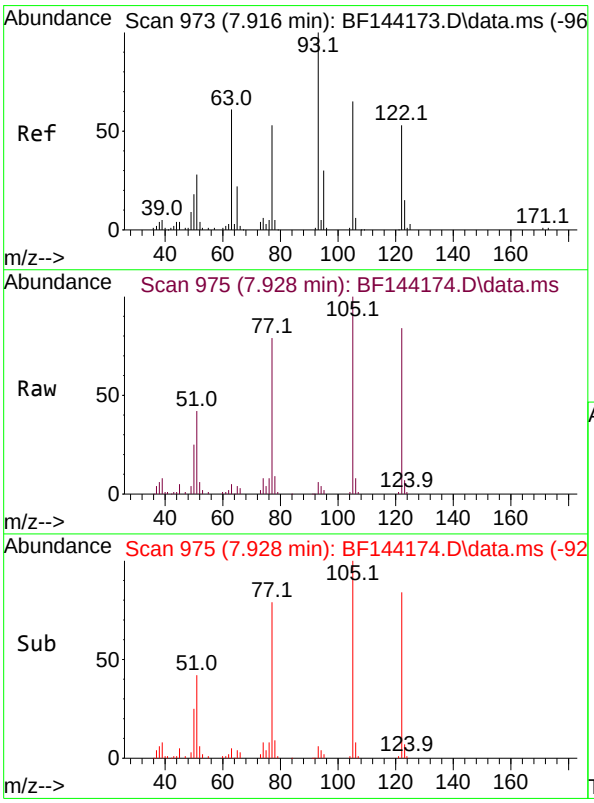
#31
Naphthalene
Concen: 44.658 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 665821

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.5	10.3	15.5

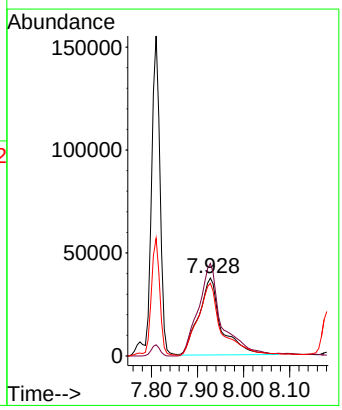


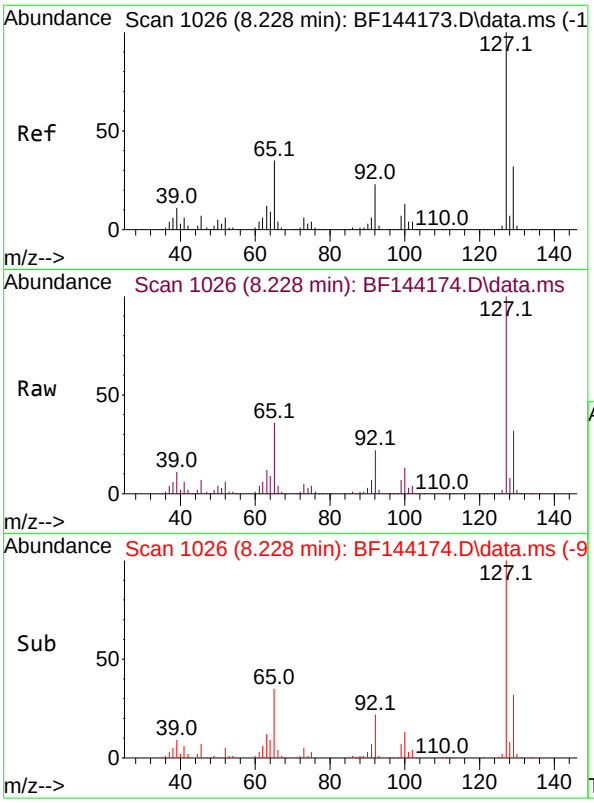


#32
Benzoic acid
Concen: 40.359 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.023 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:122 Resp: 129332

Ion	Ratio	Lower	Upper
122	100		
105	118.8	99.9	139.9
77	93.6	77.5	117.5



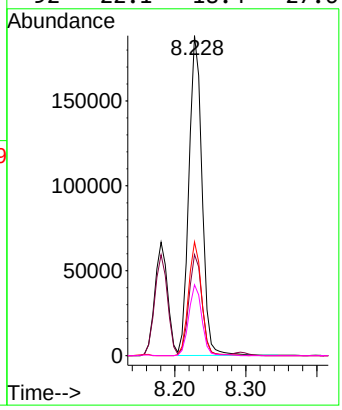


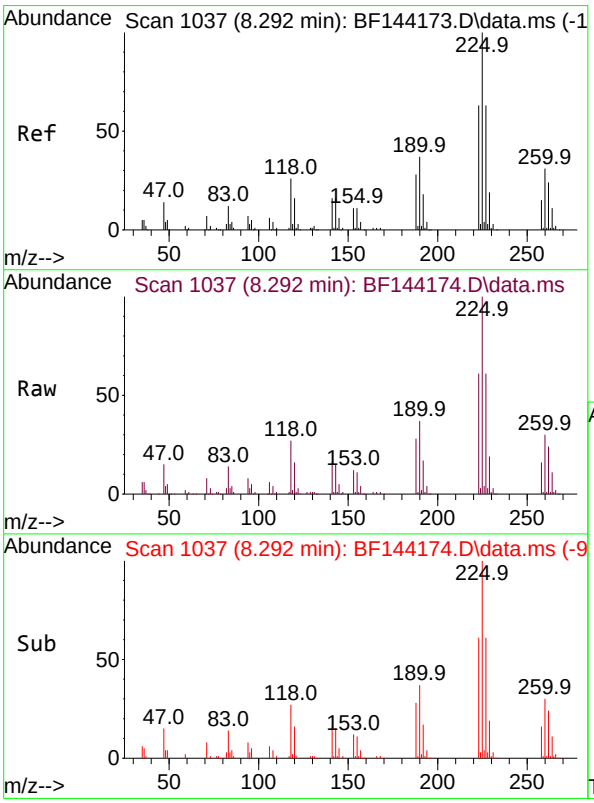
#33
4-Chloroaniline
Concen: 44.496 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 241956

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.3	37.9
65	35.5	27.6	41.4
92	22.1	18.4	27.6

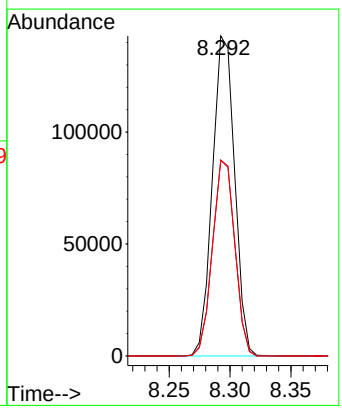


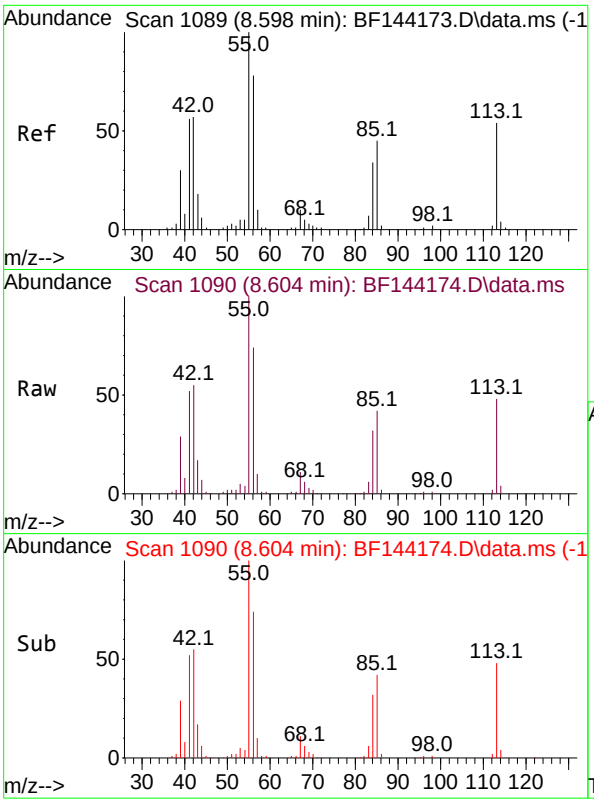


#34
Hexachlorobutadiene
Concen: 46.562 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:225 Resp: 181564

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.2	75.4
227	61.2	50.1	75.1



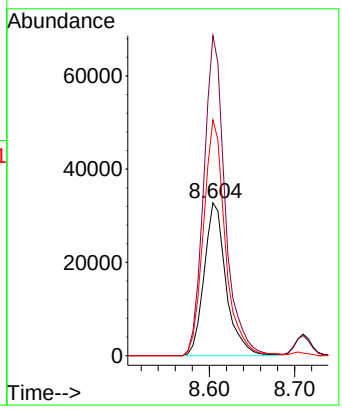


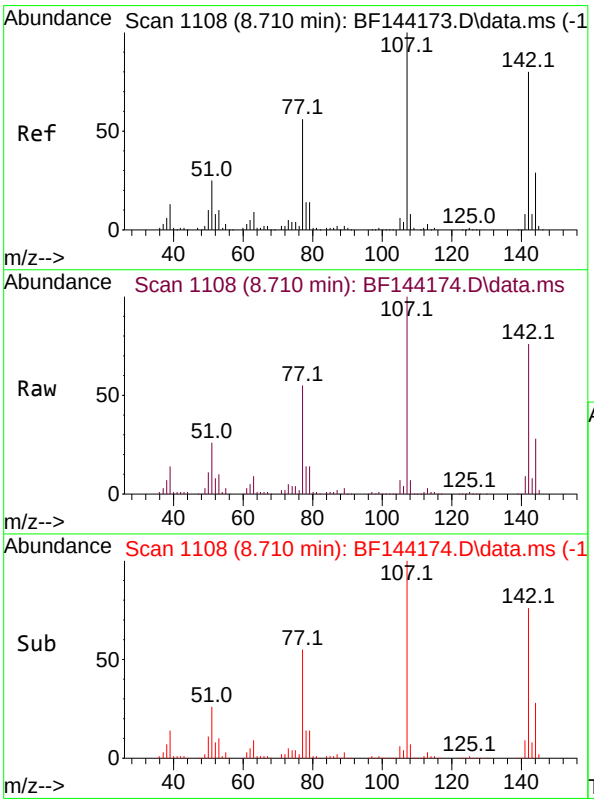
#35
Caprolactam
Concen: 42.327 ng
RT: 8.604 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 58430

Ion	Ratio	Lower	Upper
113	100		
55	209.4	166.8	206.8#
56	154.3	125.9	165.9

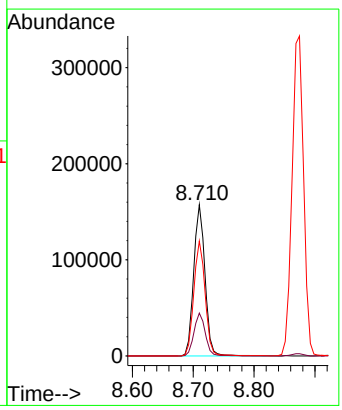


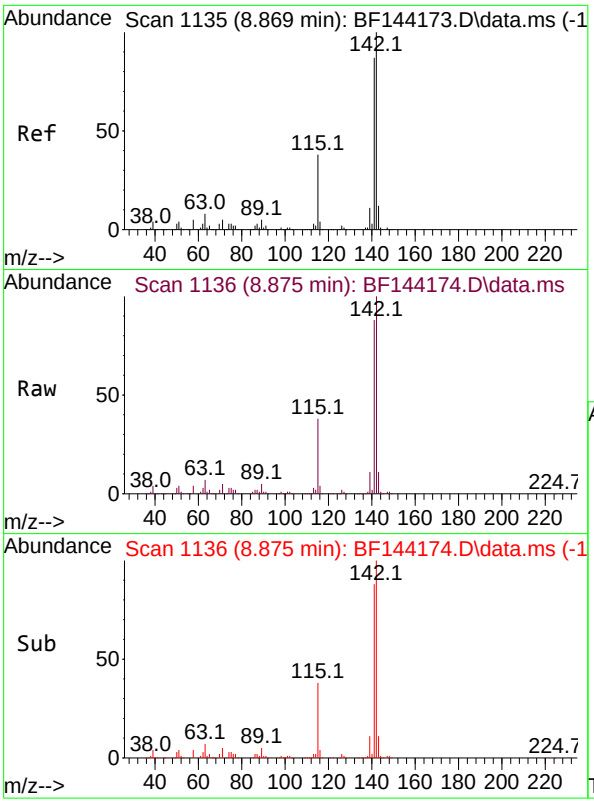


#36
4-Chloro-3-methylphenol
Concen: 44.930 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:107 Resp: 202891

Ion	Ratio	Lower	Upper
107	100		
144	28.3	23.3	34.9
142	75.9	63.8	95.6



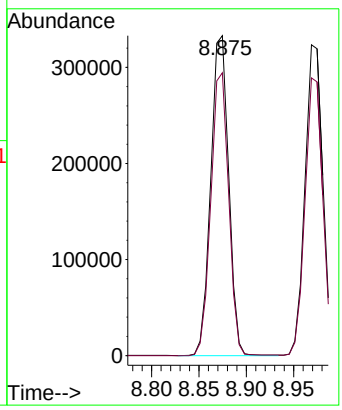


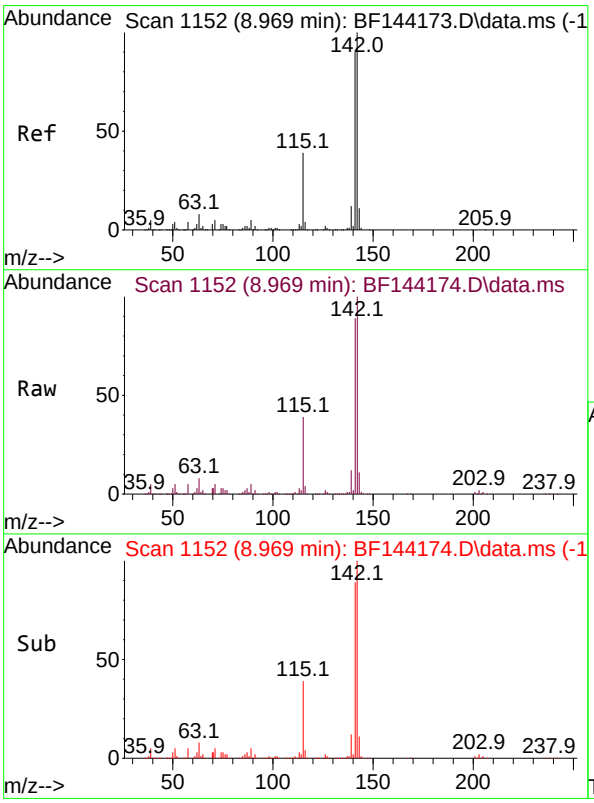
#37
2-Methylnaphthalene
Concen: 43.979 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 438395

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.9	104.9

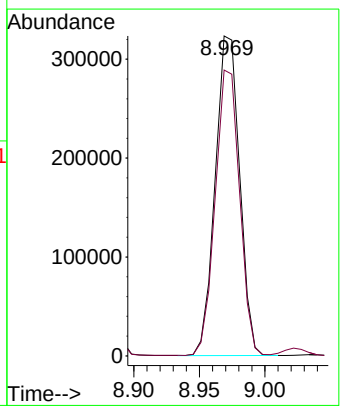


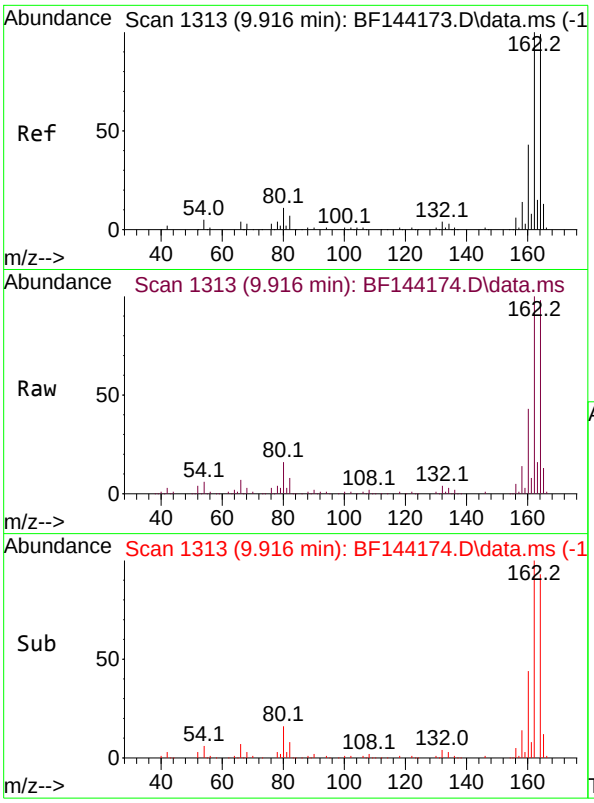


#38
1-Methylnaphthalene
Concen: 43.644 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:142 Resp: 419784

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.1	108.1



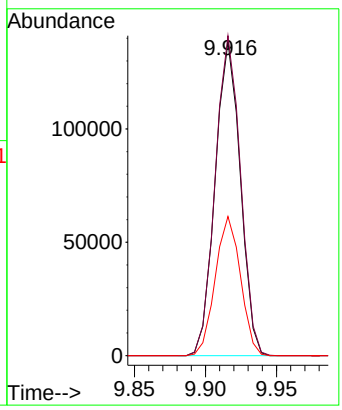


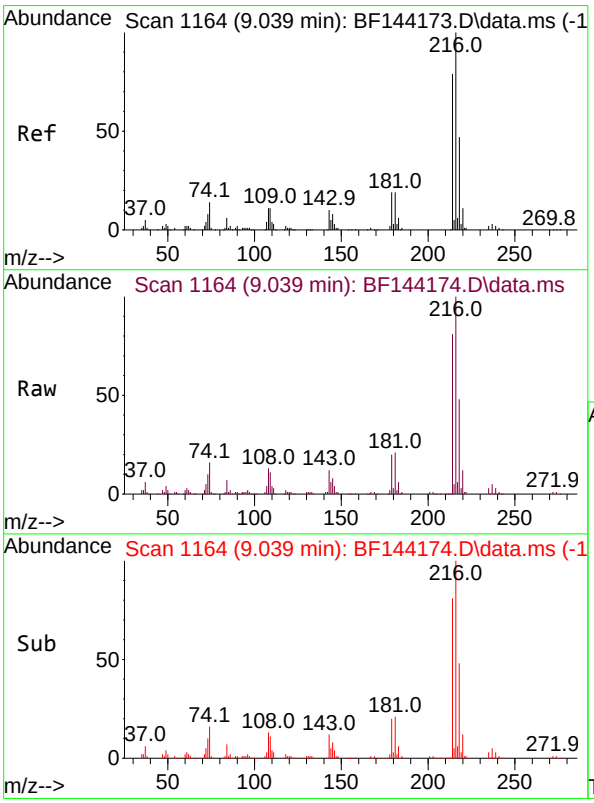
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 170294

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.1	121.7
160	44.4	34.5	51.7

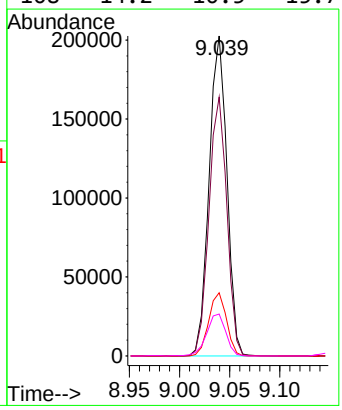


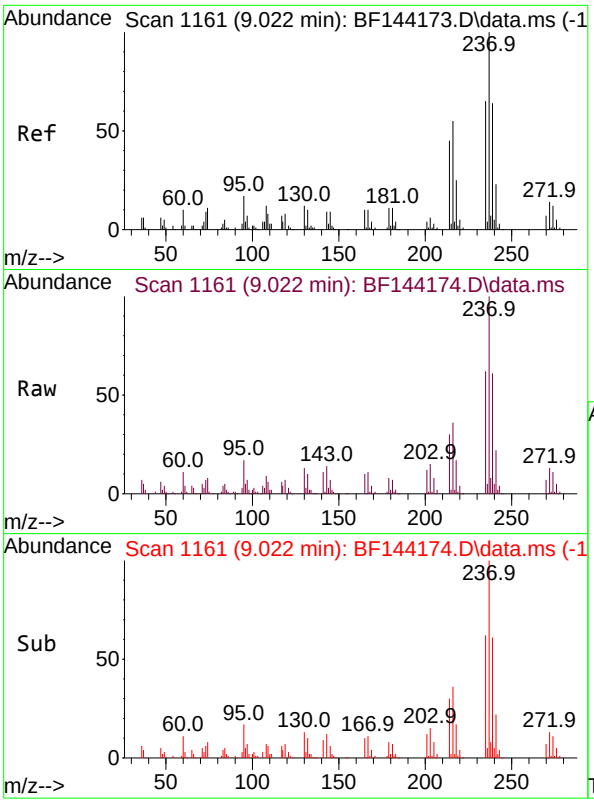


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.832 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:216 Resp: 250210

Ion	Ratio	Lower	Upper
216	100		
214	81.3	63.4	95.2
179	19.6	15.0	22.4
108	14.2	10.5	15.7



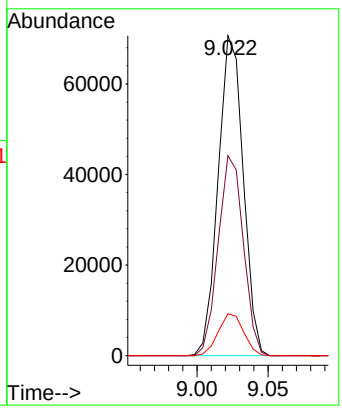


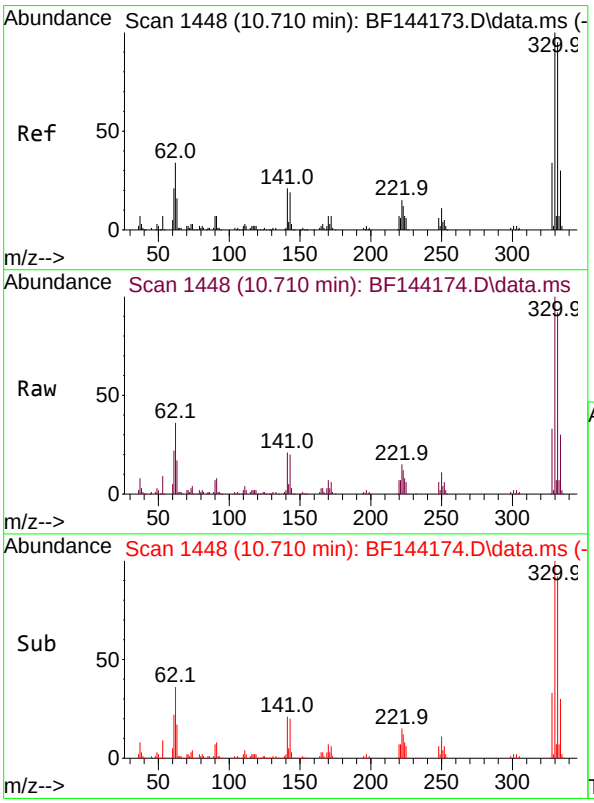
#41
Hexachlorocyclopentadiene
Concen: 48.007 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 86860

Ion	Ratio	Lower	Upper
237	100		
235	62.5	45.5	85.5
272	13.1	0.0	33.5

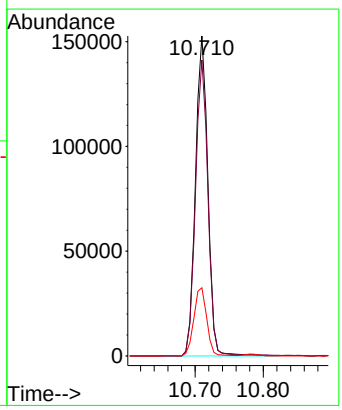


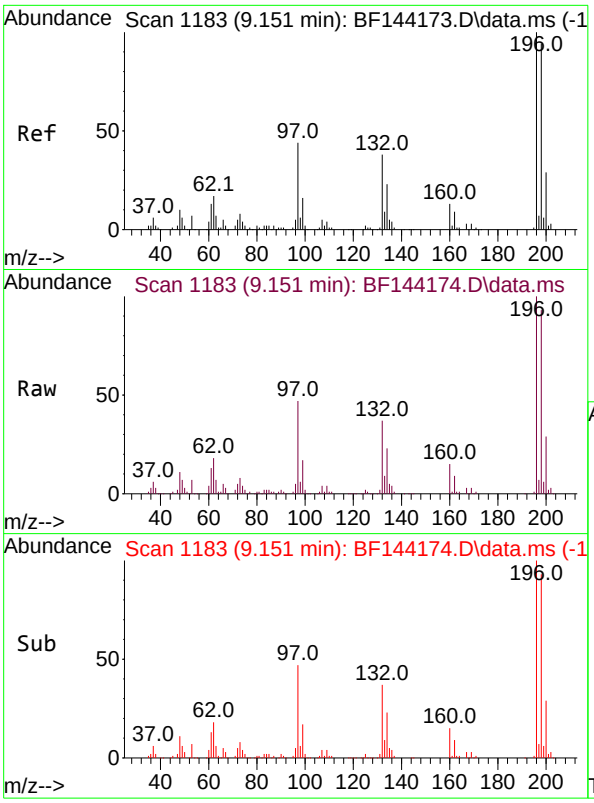


#42
2,4,6-Tribromophenol
Concen: 90.275 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:330 Resp: 192917

Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.7	115.1
141	22.2	17.8	26.8



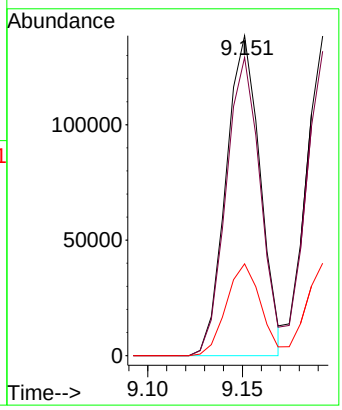


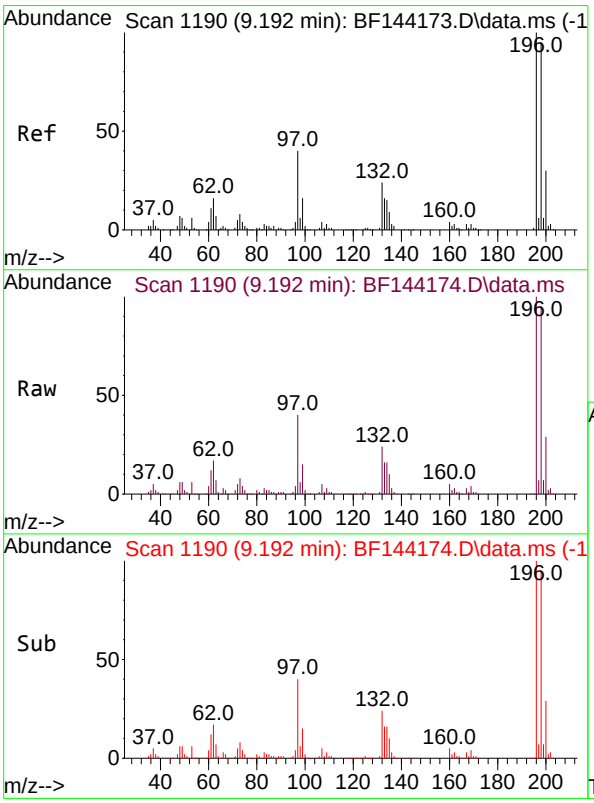
#43
2,4,6-Trichlorophenol
Concen: 45.813 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 174024

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.3	112.9
200	28.7	23.4	35.2

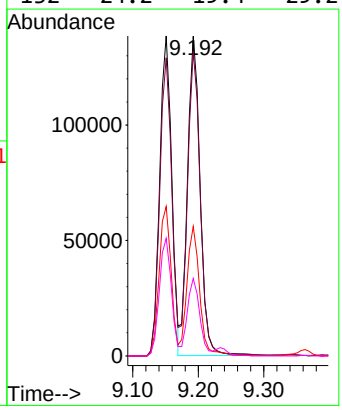


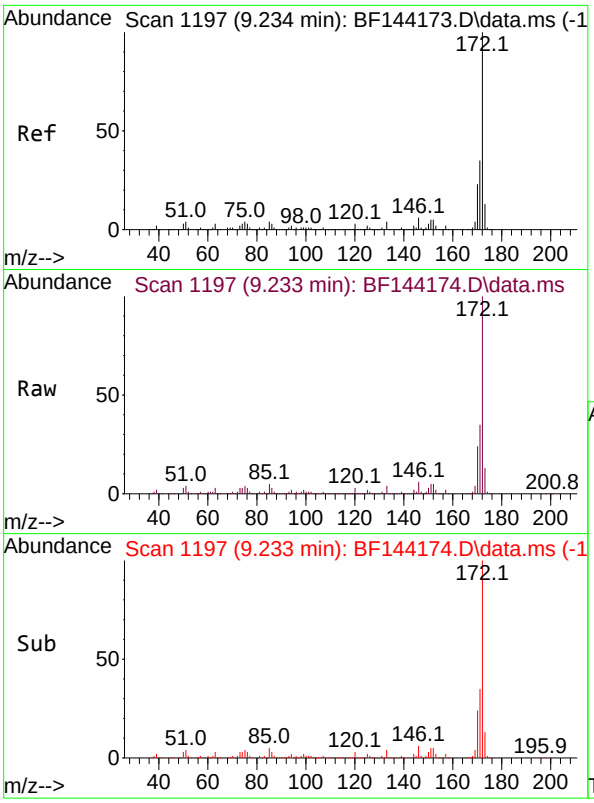


#44
2,4,5-Trichlorophenol
Concen: 45.542 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:196 Resp: 186449

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.1	114.1
97	40.5	31.9	47.9
132	24.2	19.4	29.2



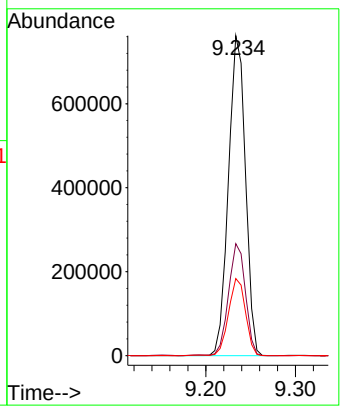


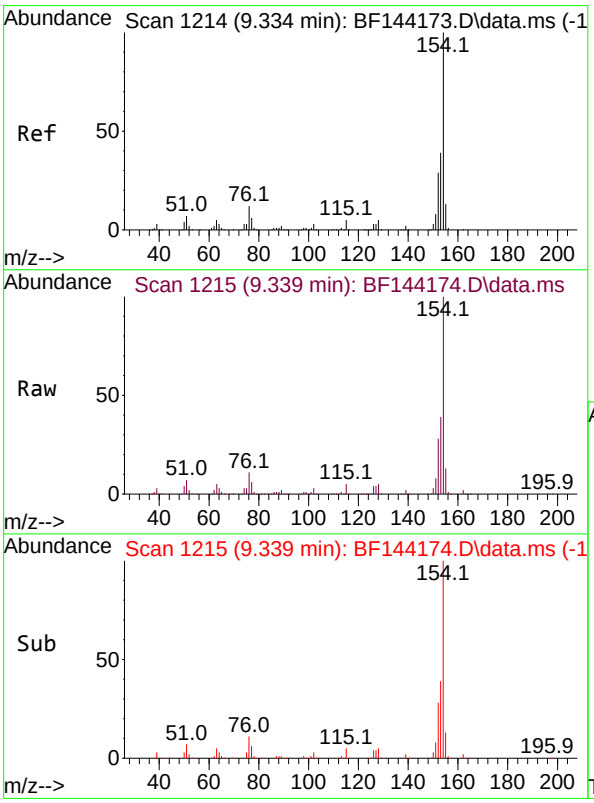
#45
2-Fluorobiphenyl
Concen: 86.941 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1002454

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.1	42.1
170	24.1	18.6	28.0

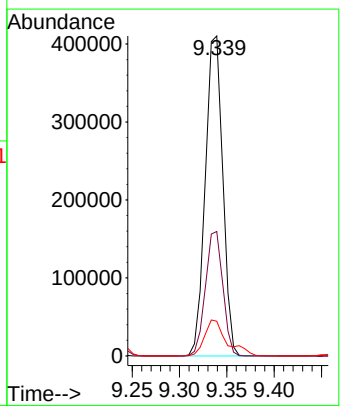


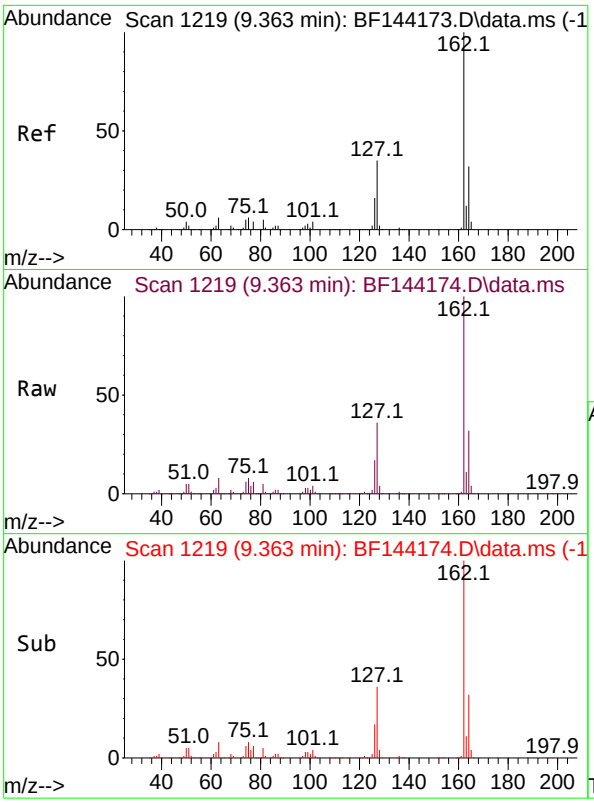


#46
1,1'-Biphenyl
Concen: 44.371 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:154 Resp: 527437

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.2	59.2
76	10.9	0.0	31.8



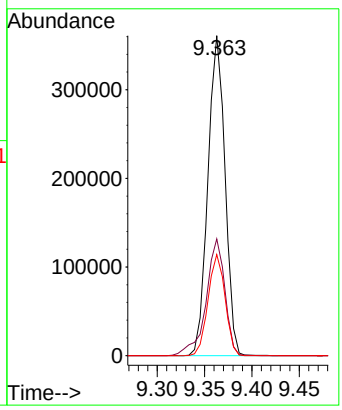


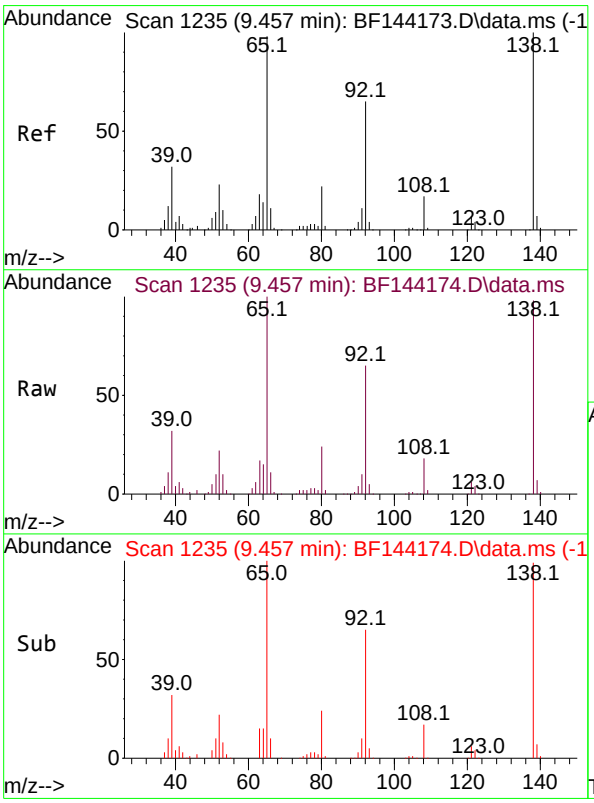
#47
2-Chloronaphthalene
Concen: 44.851 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 454778

Ion	Ratio	Lower	Upper
162	100		
127	36.5	28.8	43.2
164	31.6	25.8	38.8

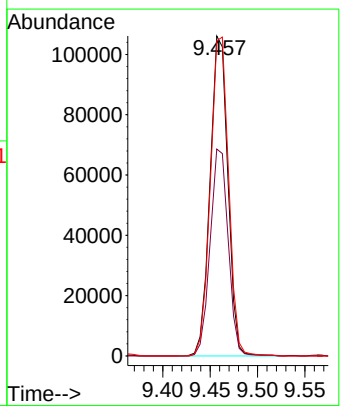


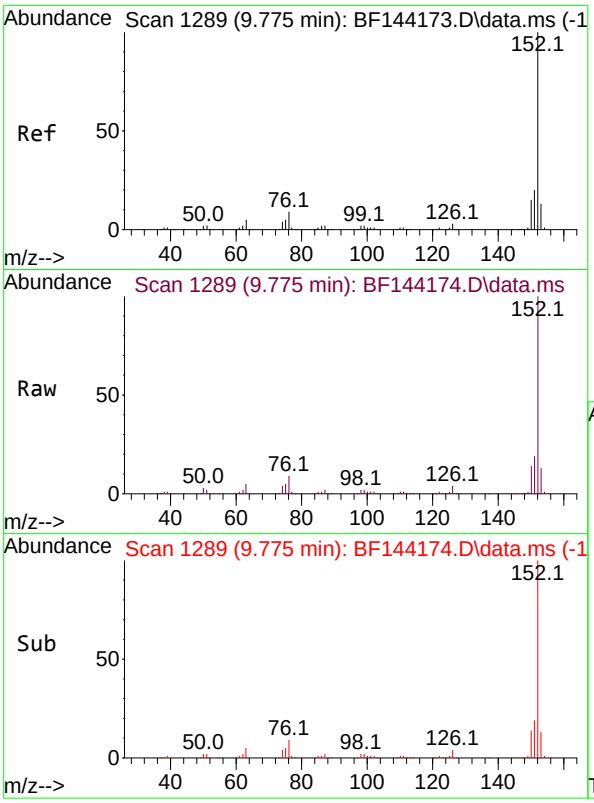


#48
2-Nitroaniline
Concen: 47.458 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion: 65 Resp: 138845

Ion	Ratio	Lower	Upper
65	100		
92	64.6	53.0	79.6
138	98.5	81.6	122.4



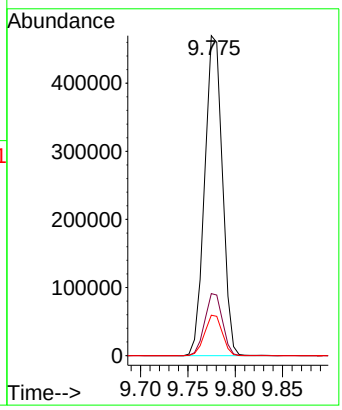


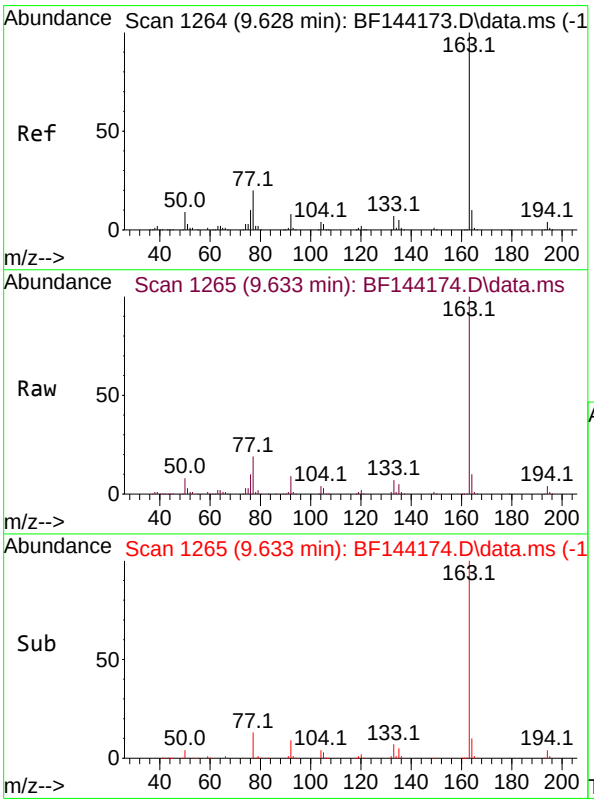
#49
Acenaphthylene
Concen: 44.368 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 613066

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.6	10.5	15.7

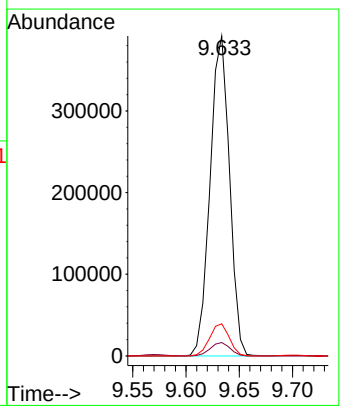


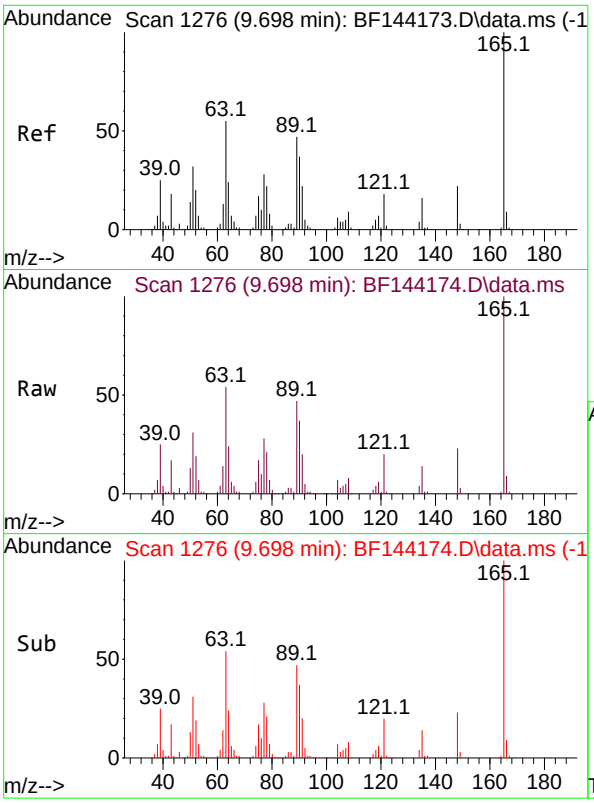


#50
Dimethylphthalate
Concen: 44.094 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:163 Resp: 497451

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.1	12.1



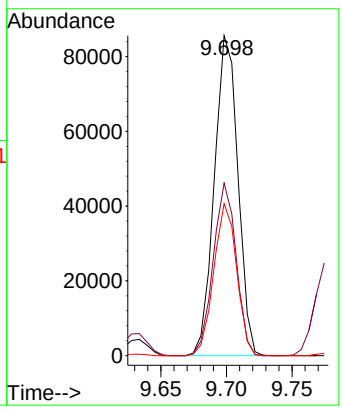


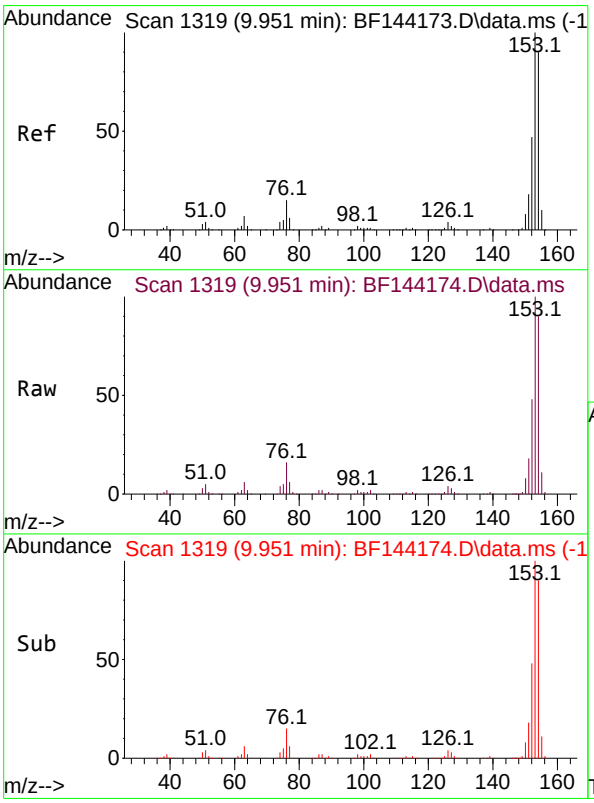
#51
2,6-Dinitrotoluene
Concen: 46.892 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 107091

Ion	Ratio	Lower	Upper
165	100		
63	53.9	43.8	65.8
89	47.5	37.5	56.3

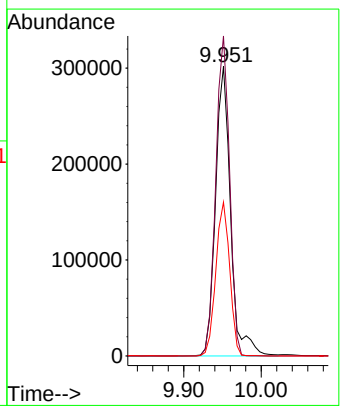


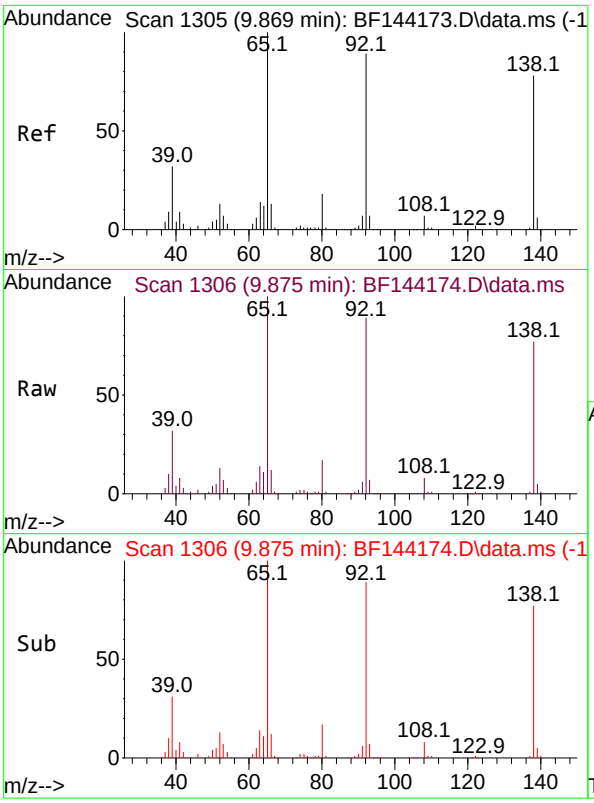


#52
Acenaphthene
Concen: 44.067 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:154 Resp: 407187

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.0	133.4
152	53.1	42.2	63.4



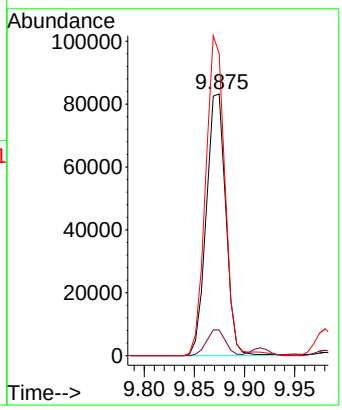


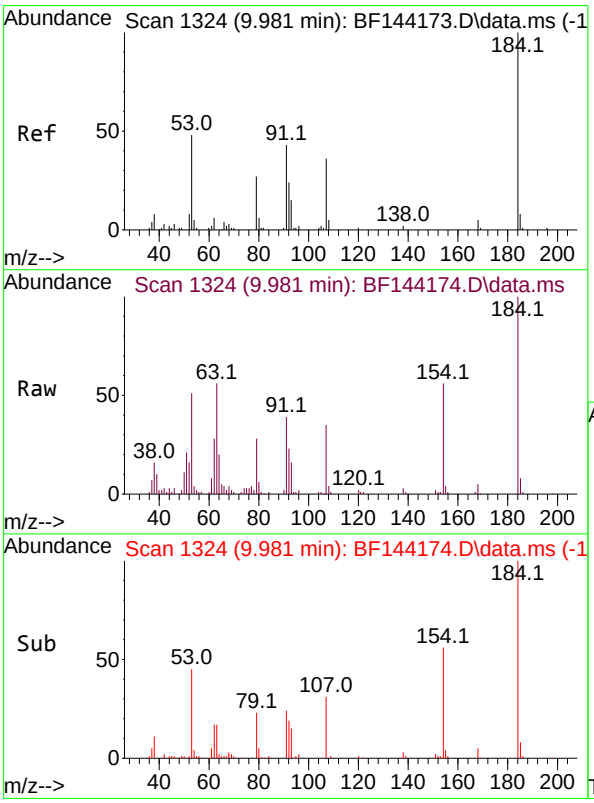
#53
3-Nitroaniline
Concen: 45.012 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 112371

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.5	11.3
92	115.4	91.8	137.6

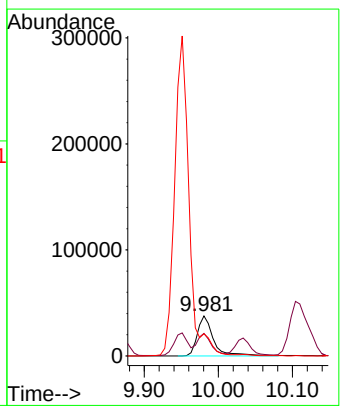


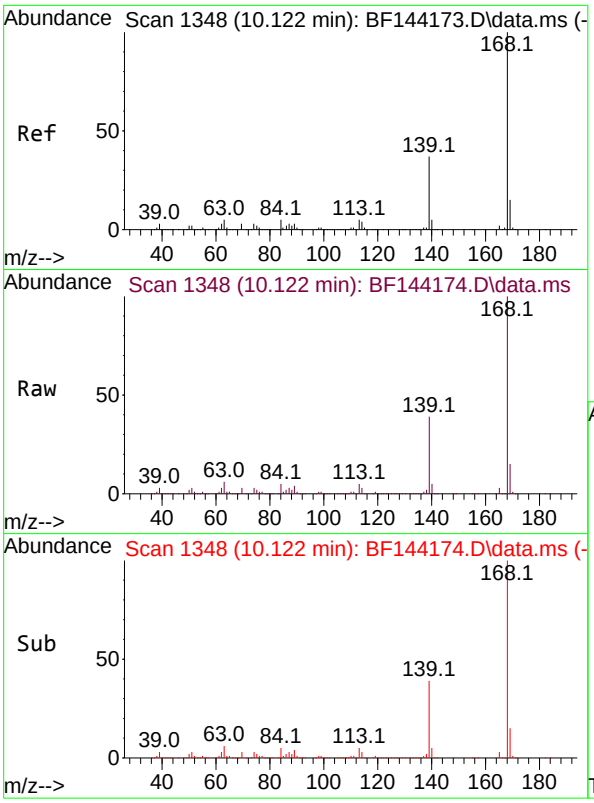


#54
2,4-Dinitrophenol
Concen: 41.007 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:184 Resp: 56551

Ion	Ratio	Lower	Upper
184	100		
63	56.3	44.0	66.0
154	55.5	42.4	63.6



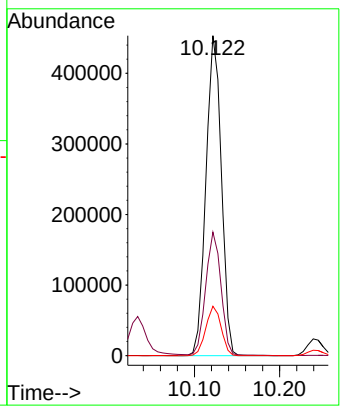


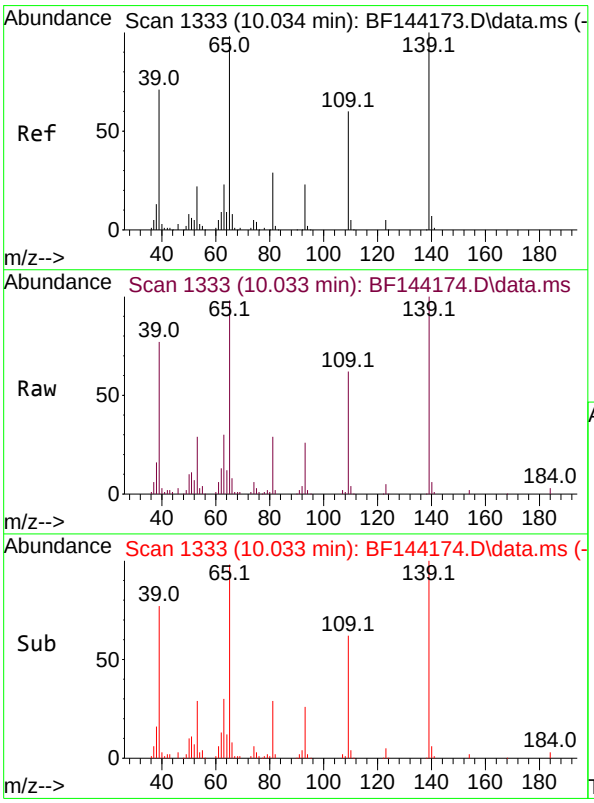
#55
Dibenzofuran
Concen: 43.989 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 569268

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.2	45.2
169	15.4	12.2	18.4

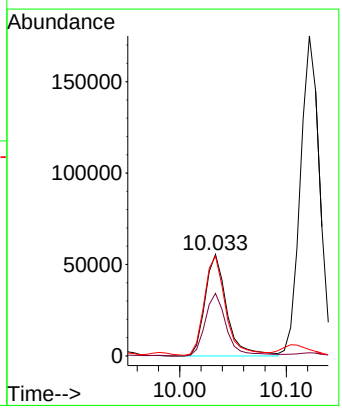


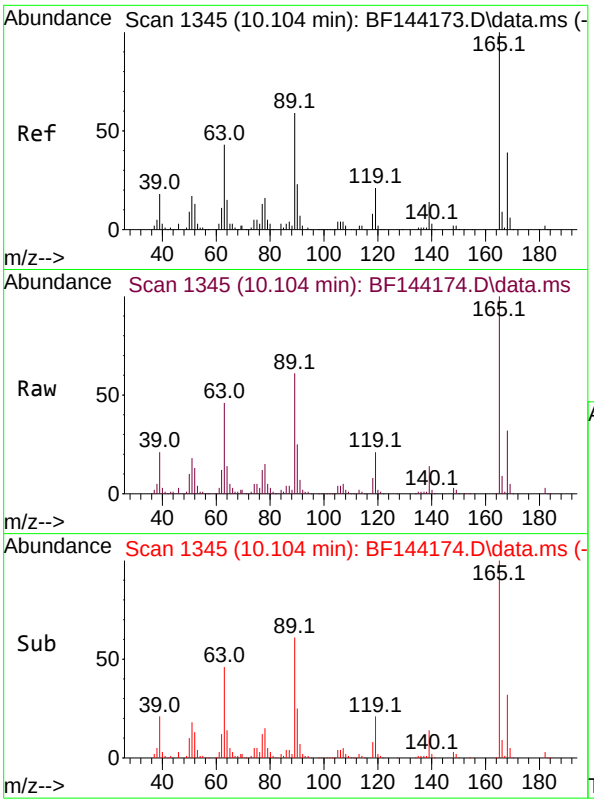


#56
4-Nitrophenol
Concen: 43.544 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:139 Resp: 78636

Ion	Ratio	Lower	Upper
139	100		
109	61.6	39.9	79.9
65	98.3	79.5	119.5



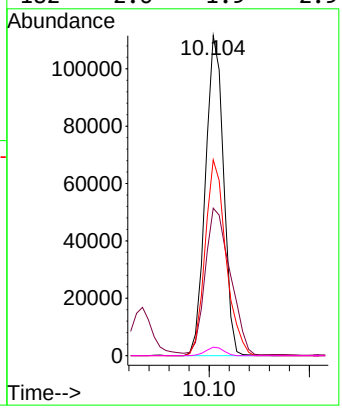


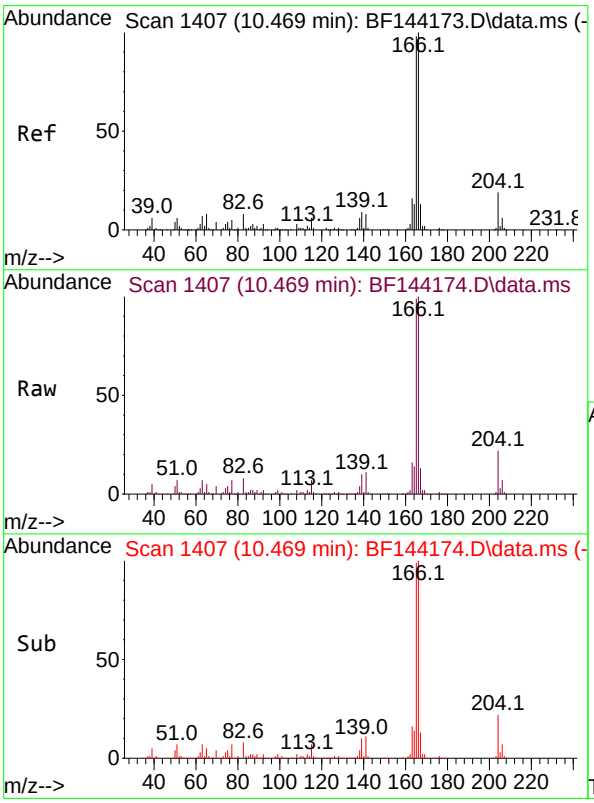
#57
2,4-Dinitrotoluene
Concen: 45.629 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 139501

Ion	Ratio	Lower	Upper
165	100		
63	46.1	35.5	53.3
89	61.2	47.4	71.2
182	2.6	1.9	2.9

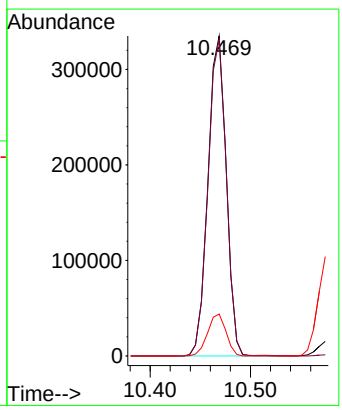


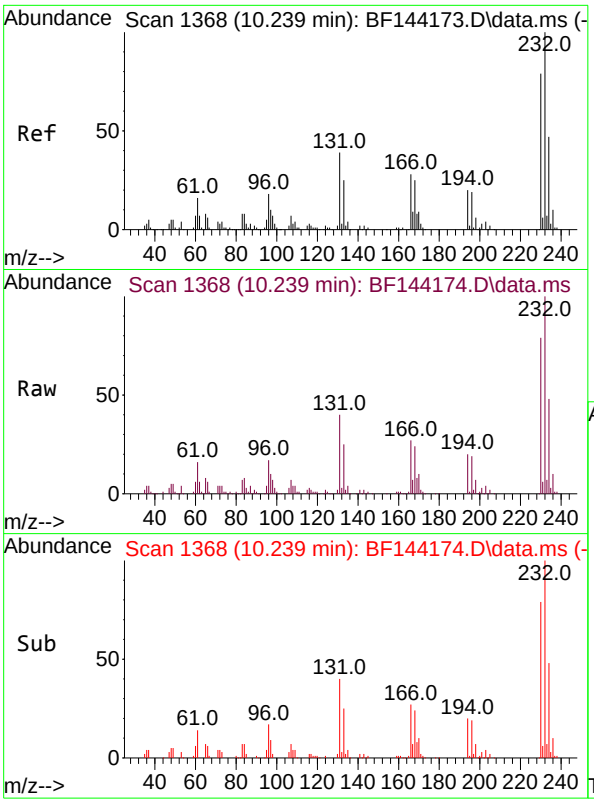


#58
Fluorene
Concen: 43.136 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:166 Resp: 424429

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	13.1	10.4	15.6



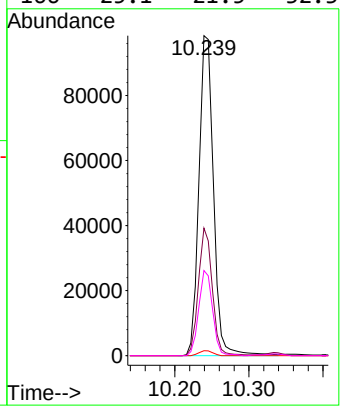


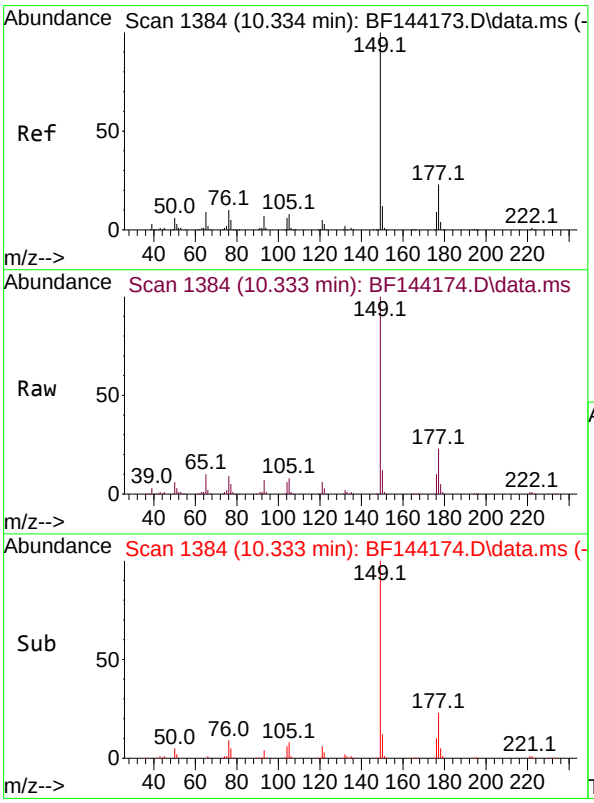
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.453 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 134554

Ion	Ratio	Lower	Upper
232	100		
131	38.0	30.3	45.5
130	1.4	1.2	1.8
166	25.1	21.5	32.3

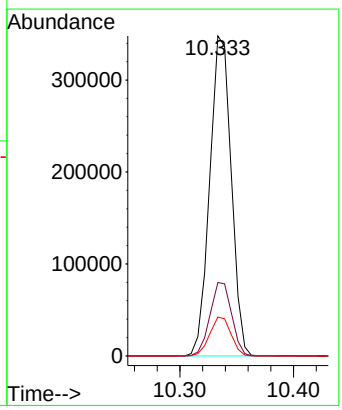


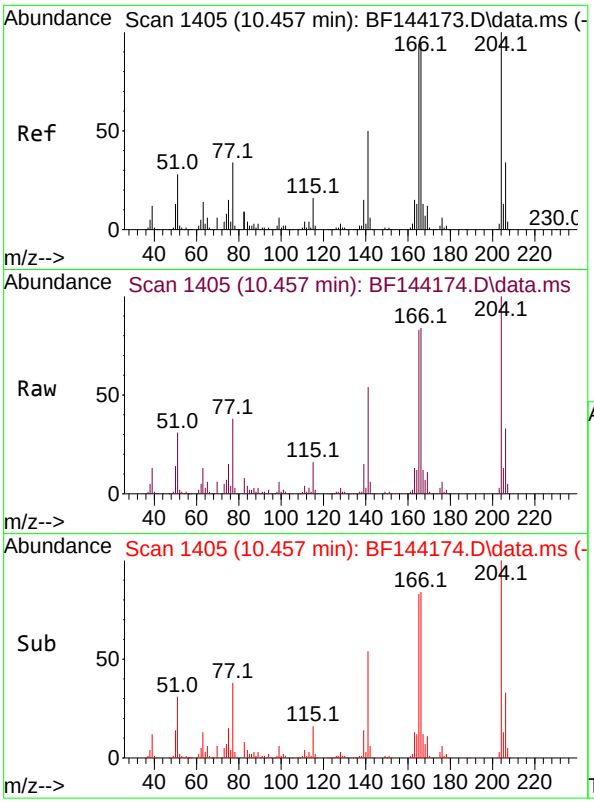


#60
Diethylphthalate
Concen: 43.997 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 457569

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.1	9.8	14.6



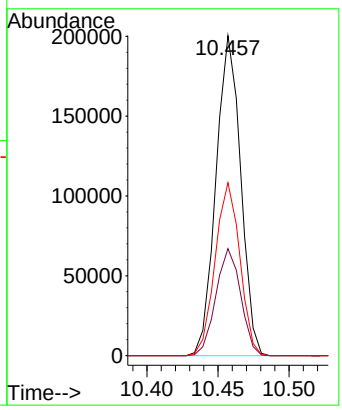


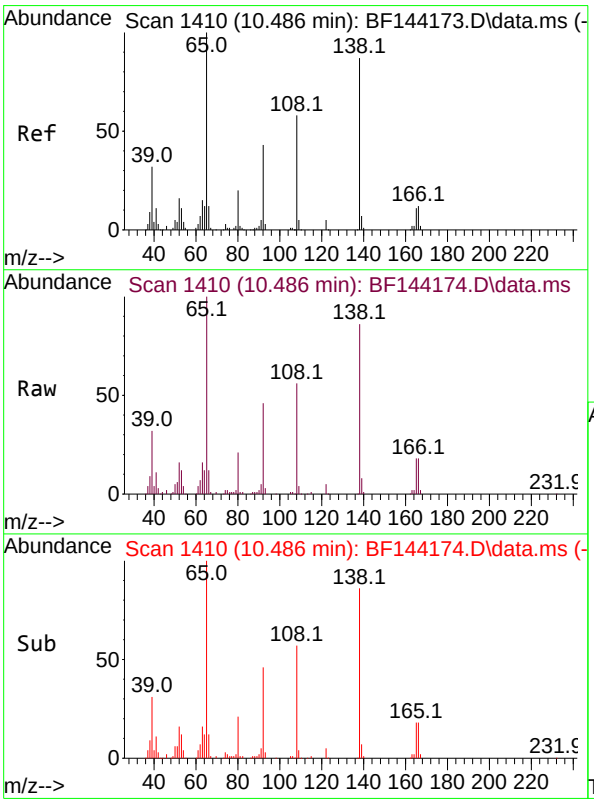
#61
4-Chlorophenyl-phenylether
Concen: 43.294 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 242650

Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.4	41.2
141	54.0	40.0	60.0

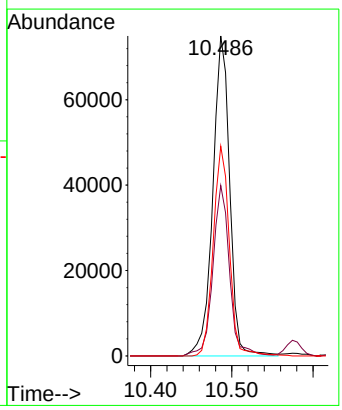


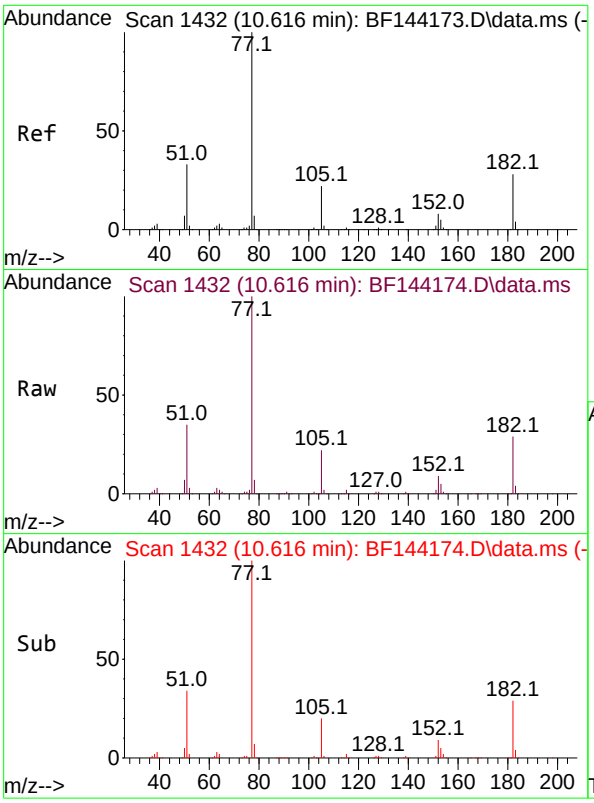


#62
4-Nitroaniline
Concen: 45.557 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:138 Resp: 108312

Ion	Ratio	Lower	Upper
138	100		
92	53.2	29.4	69.4
108	65.5	46.4	86.4



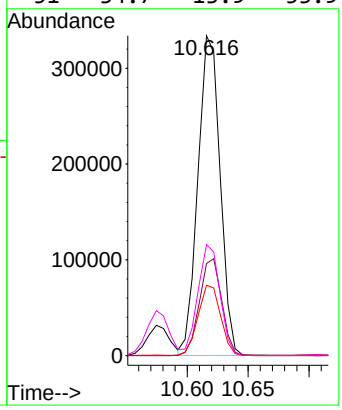


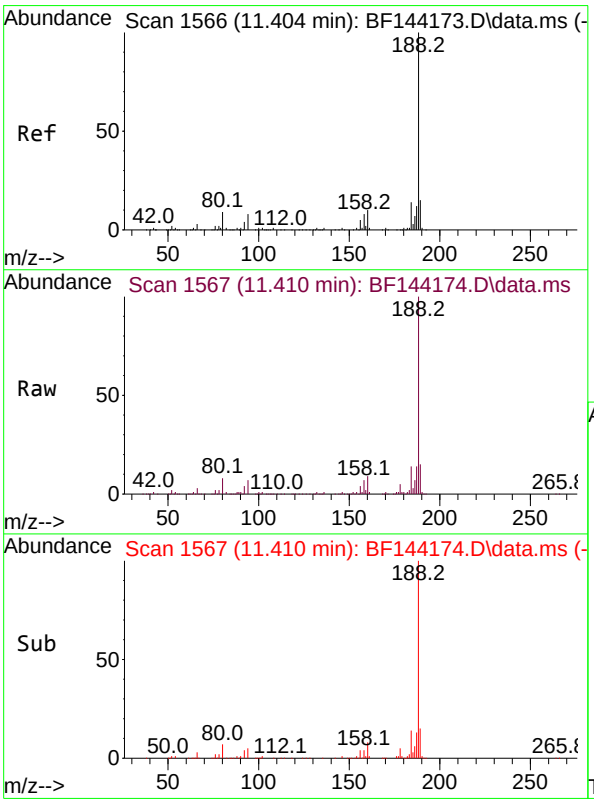
#63
Azobenzene
Concen: 43.768 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 423631

Ion	Ratio	Lower	Upper
77	100		
182	28.8	8.1	48.1
105	22.0	2.0	42.0
51	34.7	13.9	53.9

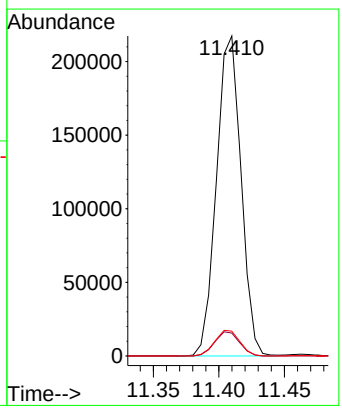


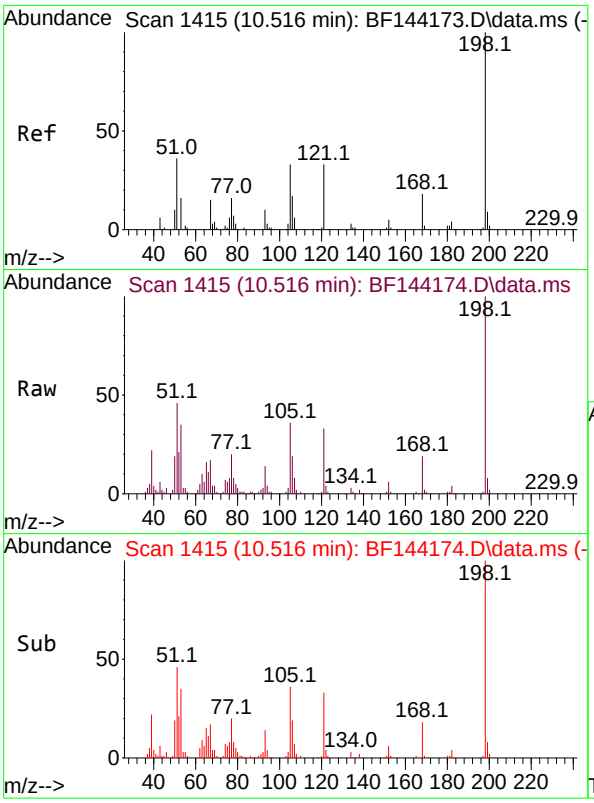


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:188 Resp: 283828

Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.2	9.2
80	7.7	6.9	10.3



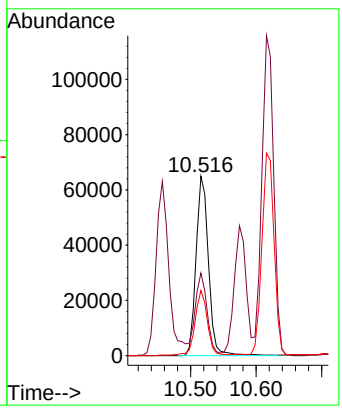


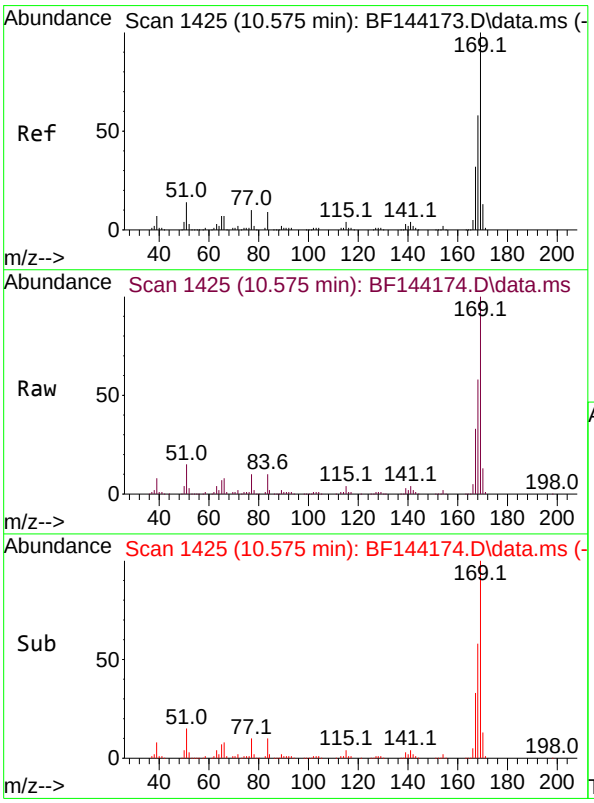
#65
4,6-Dinitro-2-methylphenol
Concen: 44.204 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 85232

Ion	Ratio	Lower	Upper
198	100		
51	46.0	25.6	65.6
105	36.3	14.6	54.6

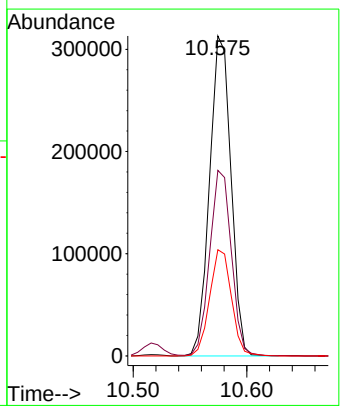


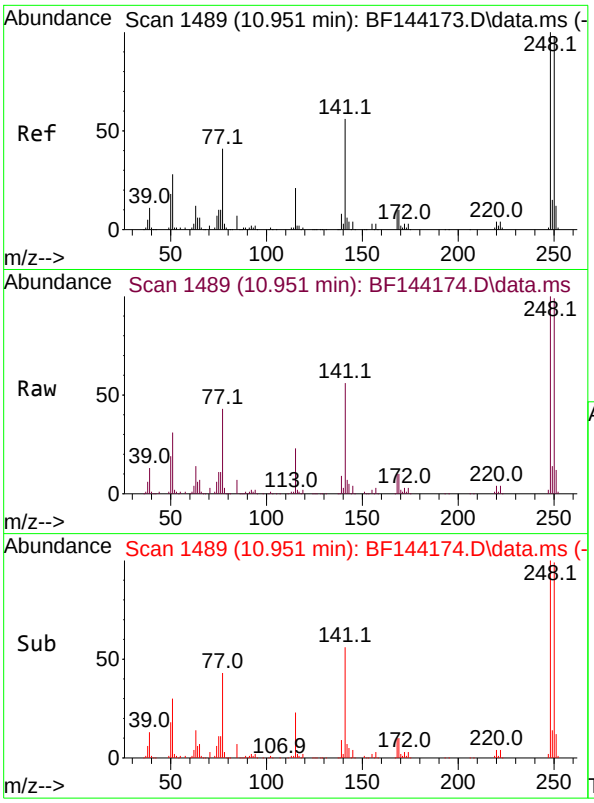


#66
n-Nitrosodiphenylamine
Concen: 44.877 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:169 Resp: 409670

Ion	Ratio	Lower	Upper
169	100		
168	58.0	46.2	69.2
167	33.2	25.7	38.5



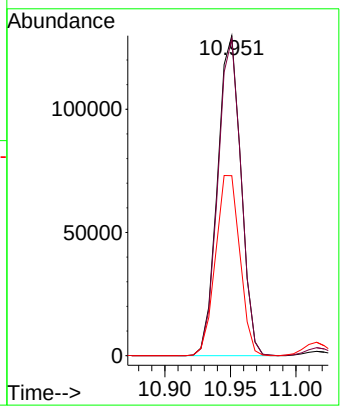


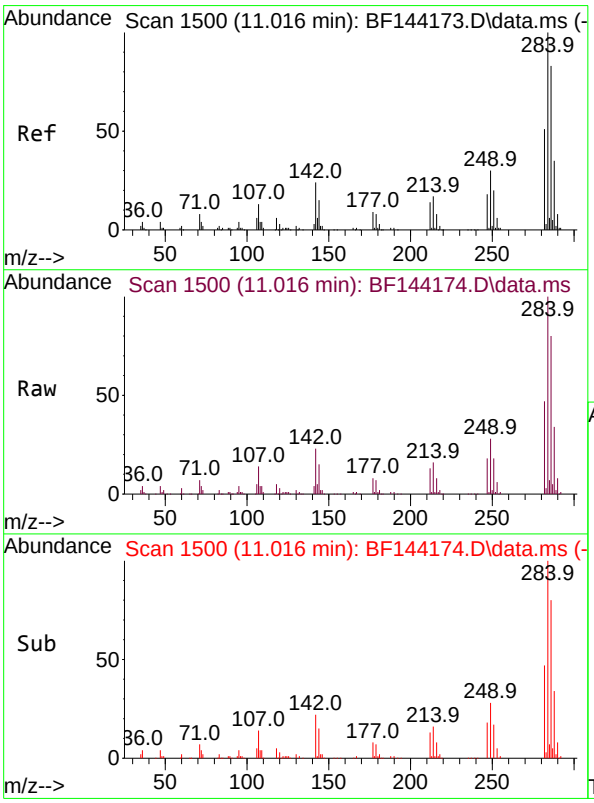
#67
4-Bromophenyl-phenylether
Concen: 44.606 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 161600

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.4	117.6
141	56.2	45.1	67.7

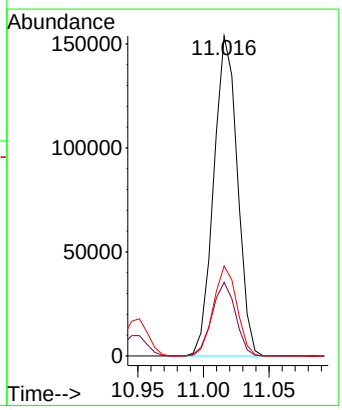


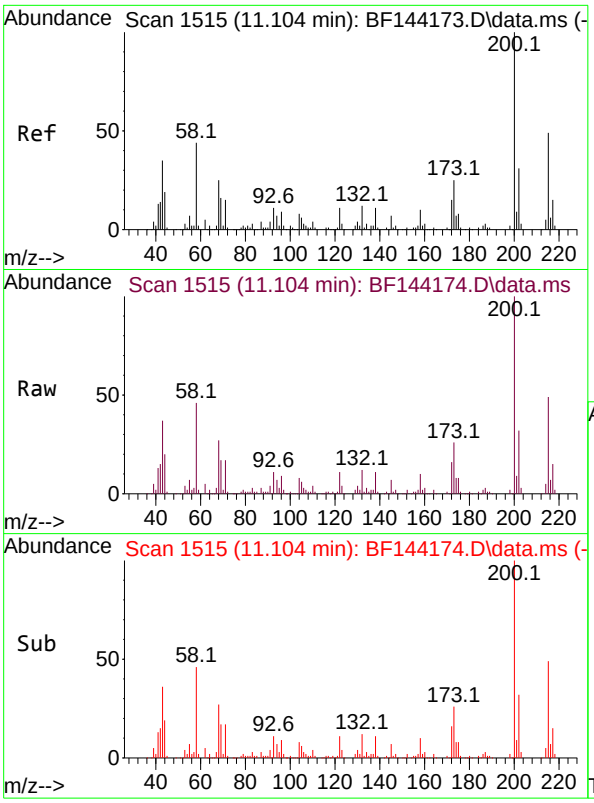


#68
Hexachlorobenzene
Concen: 45.364 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:284 Resp: 193574

Ion	Ratio	Lower	Upper
284	100		
142	23.0	19.2	28.8
249	28.1	23.8	35.8



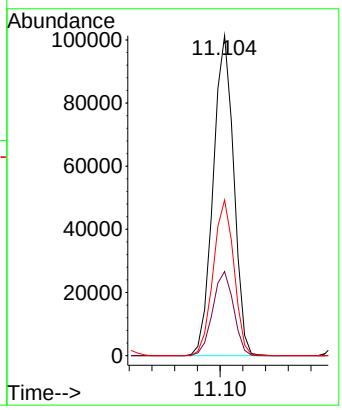


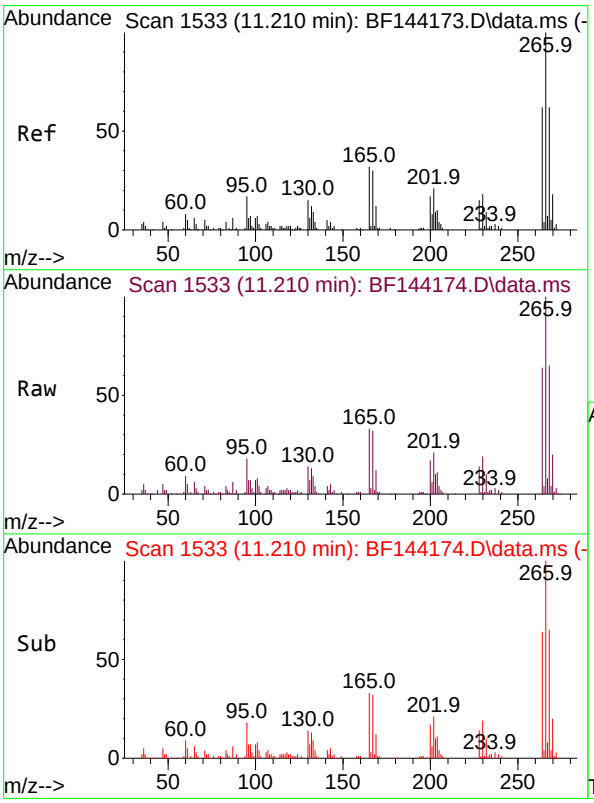
#69
Atrazine
Concen: 43.906 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 127465

Ion	Ratio	Lower	Upper
200	100		
173	26.3	5.0	45.0
215	48.6	28.7	68.7

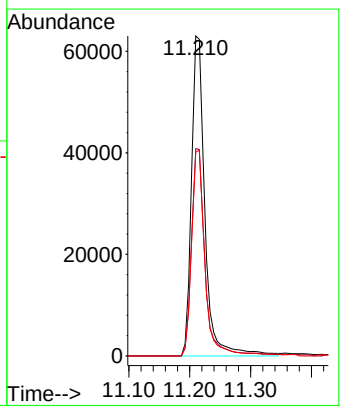


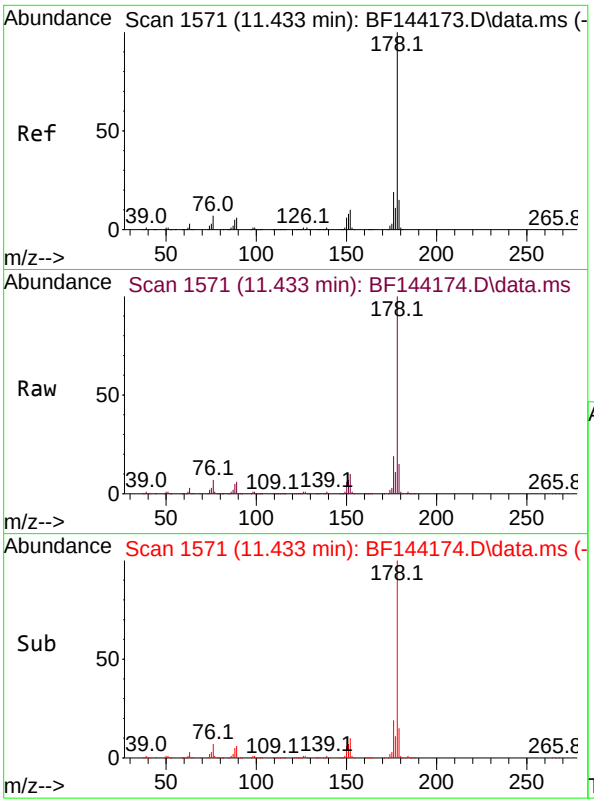


#70
Pentachlorophenol
Concen: 45.622 ng
RT: 11.210 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:266 Resp: 96941

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.5	74.3
264	63.7	49.4	74.2



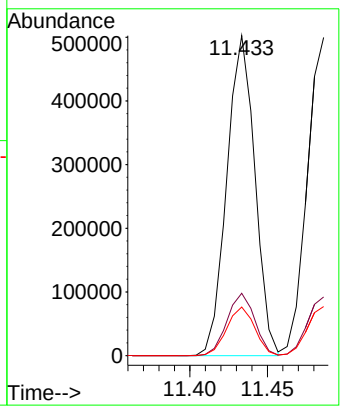


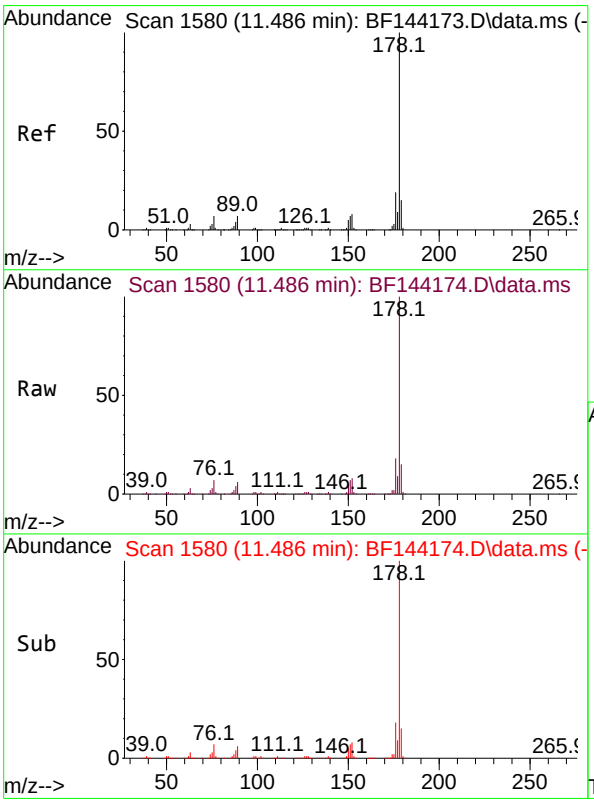
#71
Phenanthrene
Concen: 44.800 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 633088

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.2	12.2	18.4

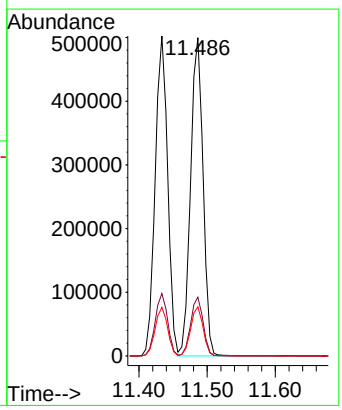


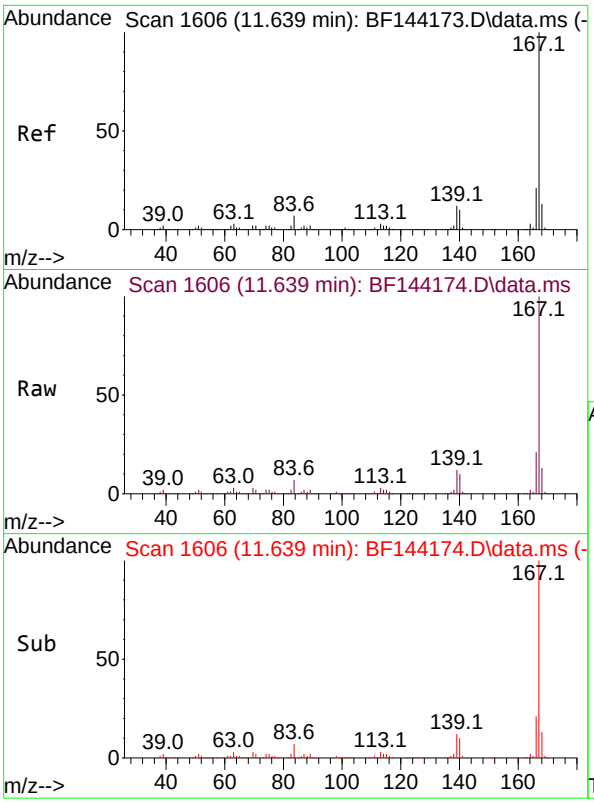


#72
Anthracene
Concen: 44.292 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:178 Resp: 636448

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.4	12.0	18.0



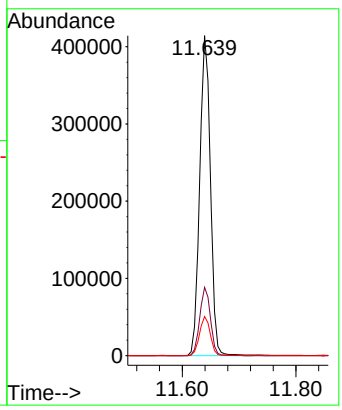


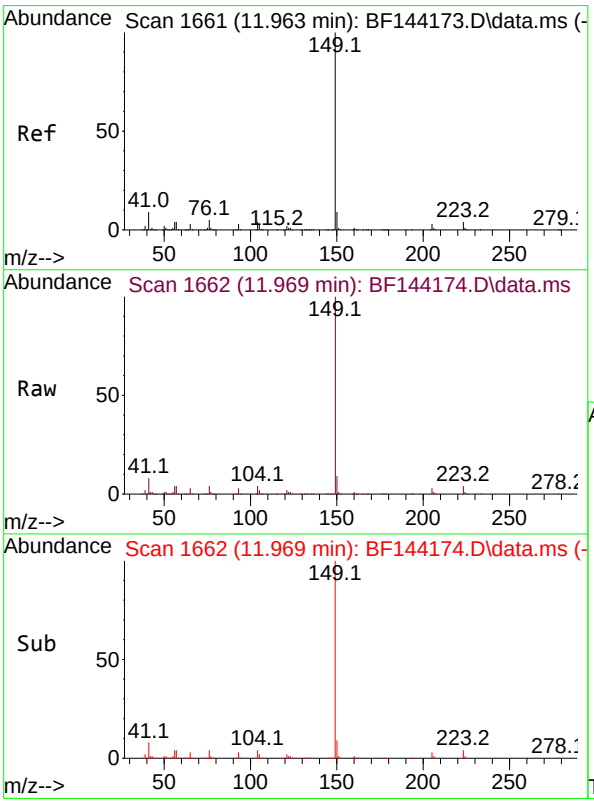
#73
Carbazole
Concen: 44.273 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 540957

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.2	9.9	14.9

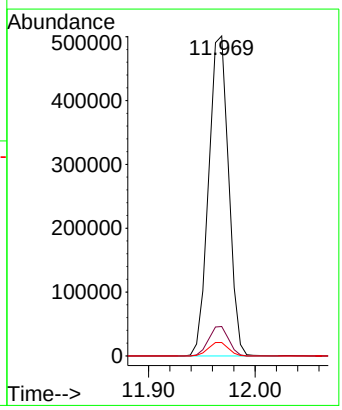


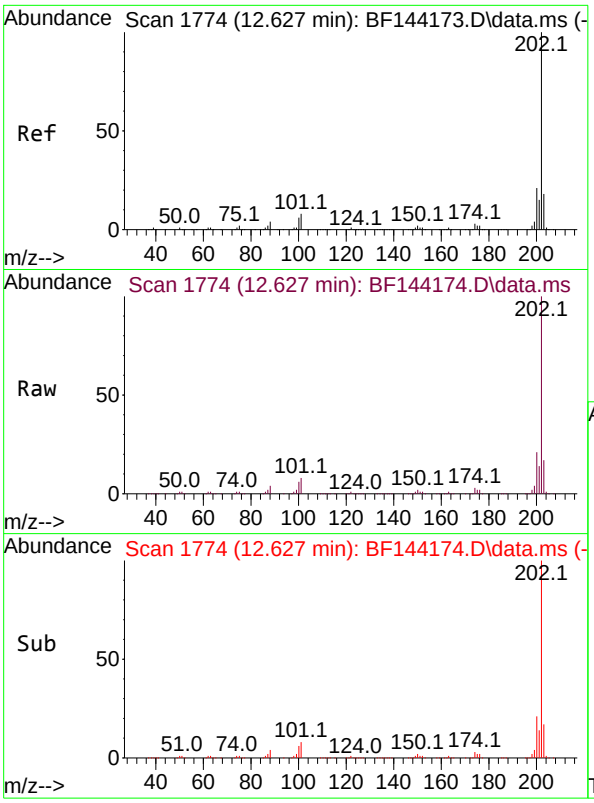


#74
Di-n-butylphthalate
Concen: 44.060 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 650810

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.2	3.4	5.2



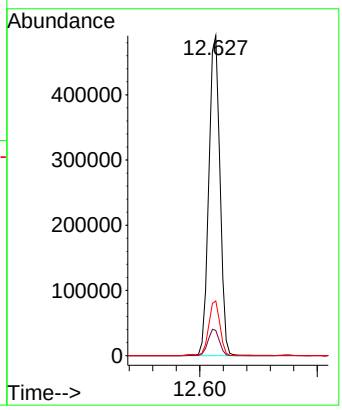


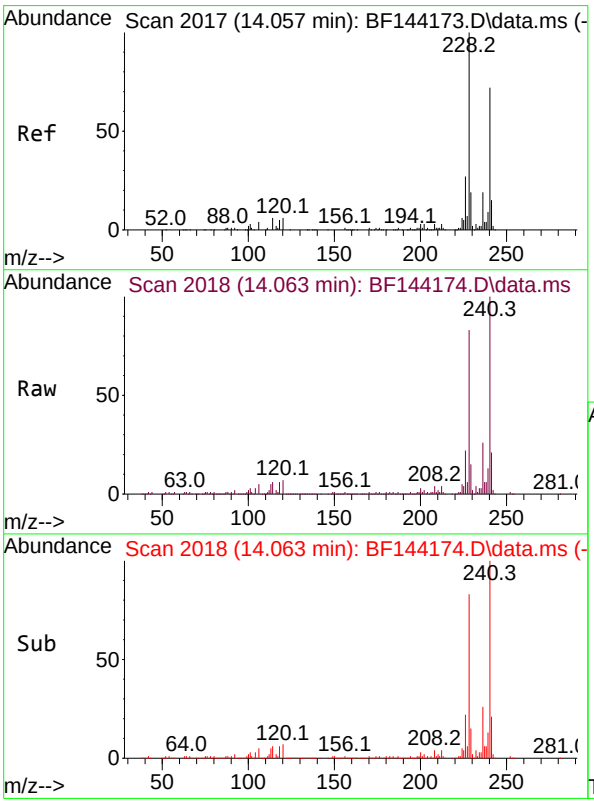
#75
Fluoranthene
Concen: 44.244 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 645856

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.9
203	17.1	0.0	37.5

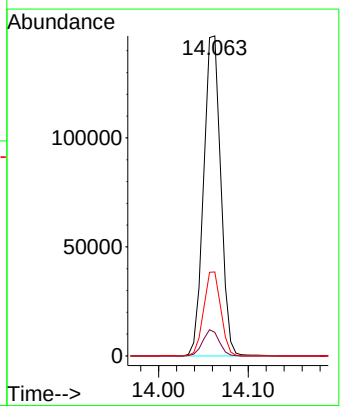


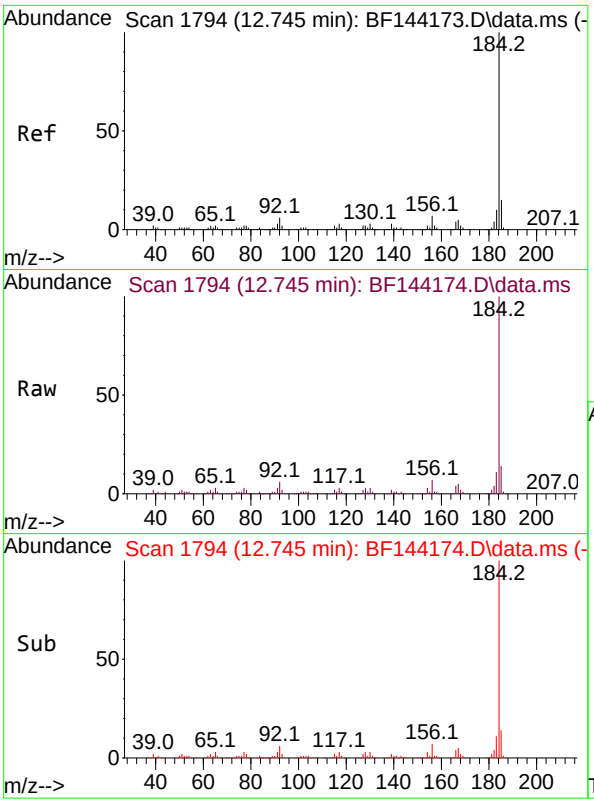


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:240 Resp: 194366

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.6	10.0
236	26.2	21.4	32.2



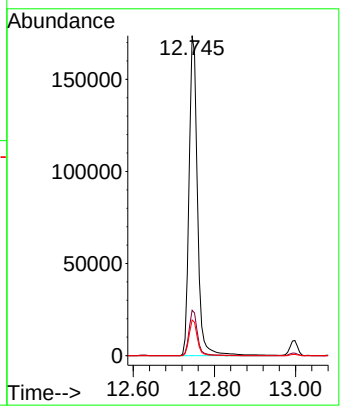


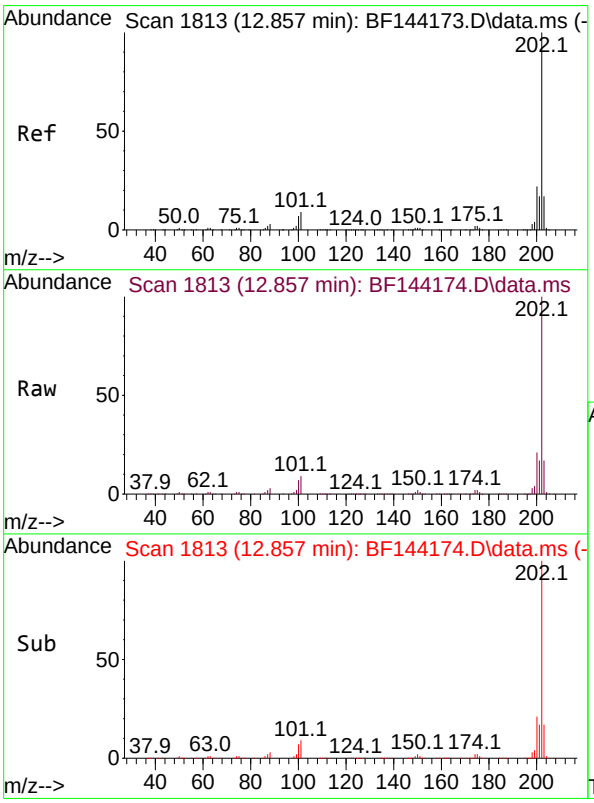
#77
Benzidine
Concen: 43.243 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 248615

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.7	17.5
183	11.1	8.3	12.5

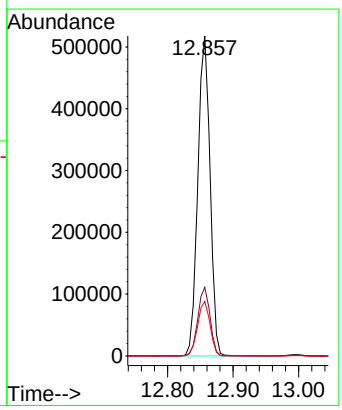


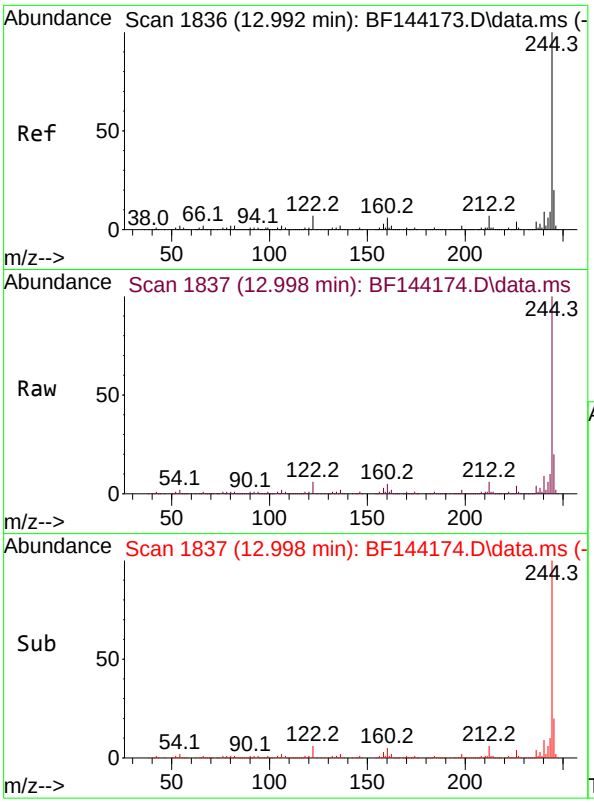


#78
Pyrene
Concen: 42.540 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:202 Resp: 666673

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.0	13.7	20.5



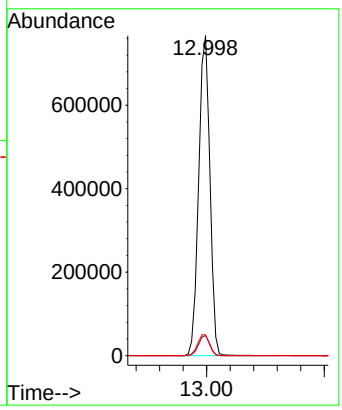


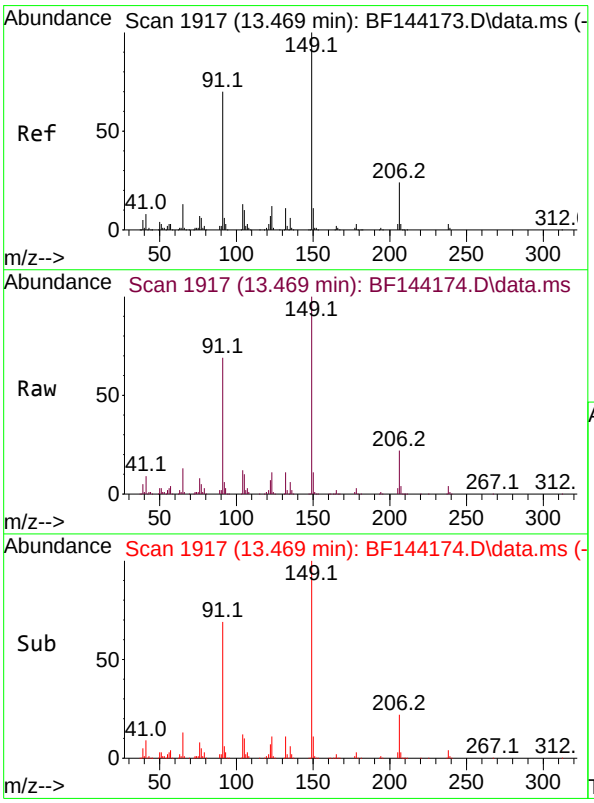
#79
Terphenyl-d14
Concen: 82.754 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1012618

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	6.5	5.6	8.4

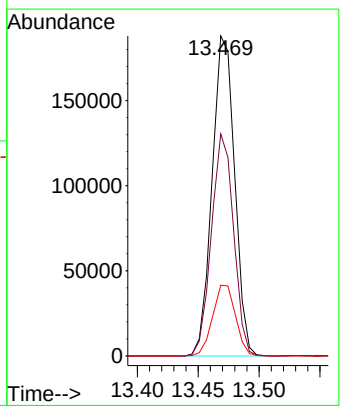


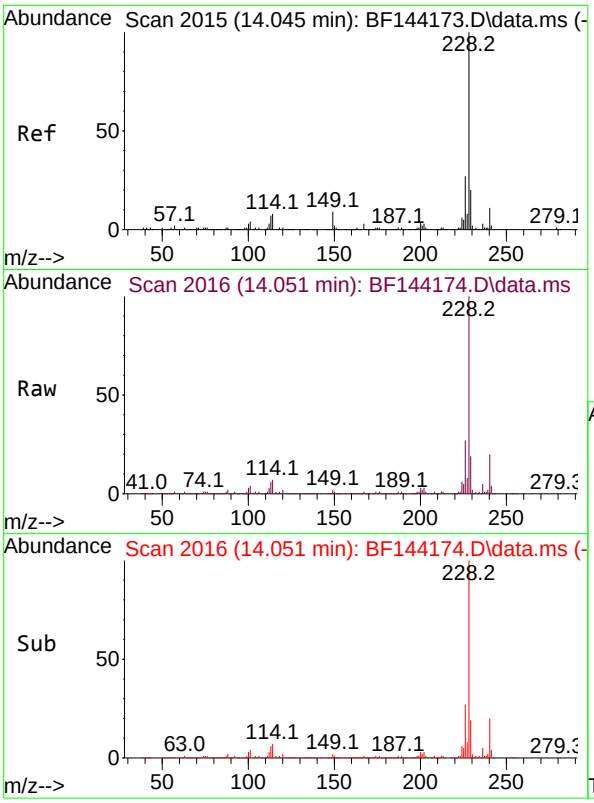


#80
Butylbenzylphthalate
Concen: 44.602 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 242259

Ion	Ratio	Lower	Upper
149	100		
91	69.4	56.1	84.1
206	22.1	18.8	28.2



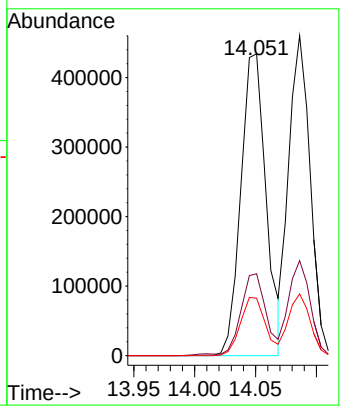


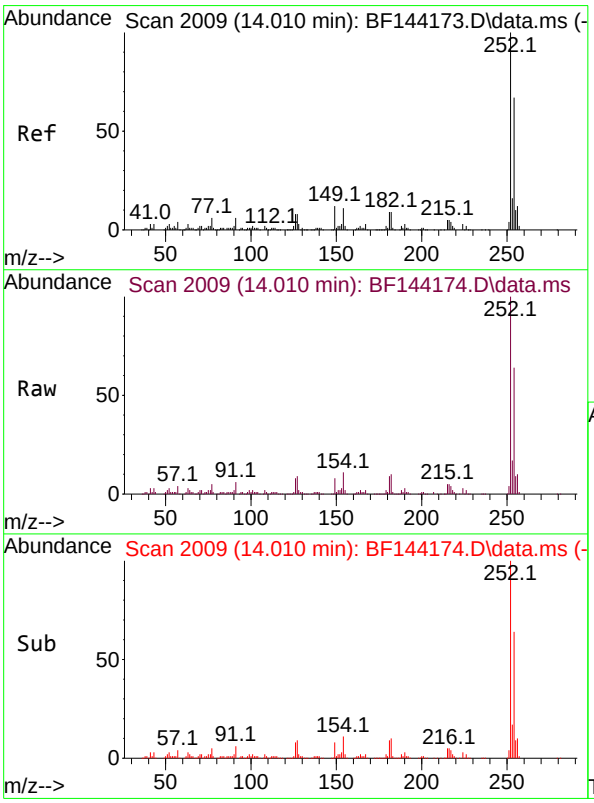
#81
Benzo(a)anthracene
Concen: 46.515 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 626599

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.0	15.8	23.6

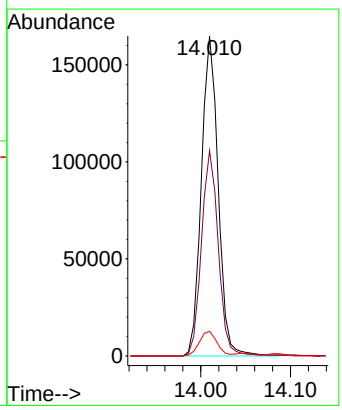


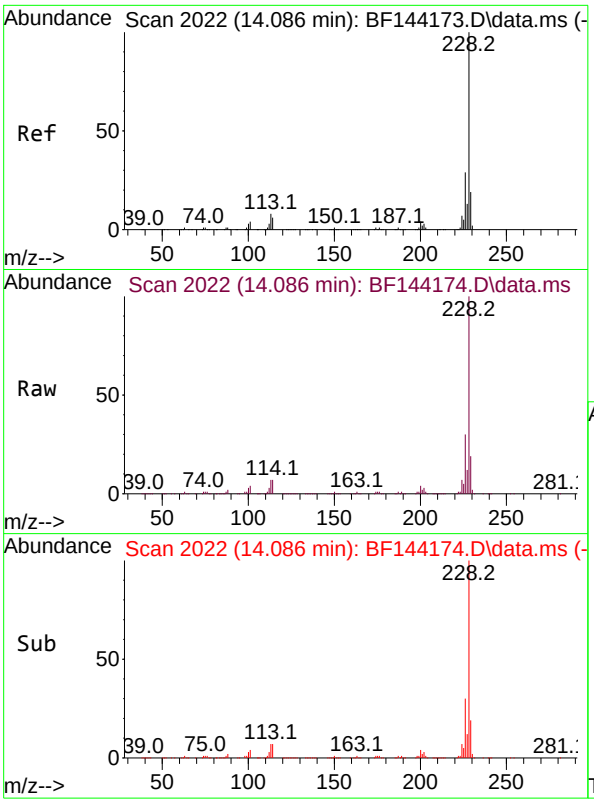


#82
3,3'-Dichlorobenzidine
Concen: 46.440 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 214437

Ion	Ratio	Lower	Upper
252	100		
254	64.1	53.5	80.3
126	7.7	6.4	9.6



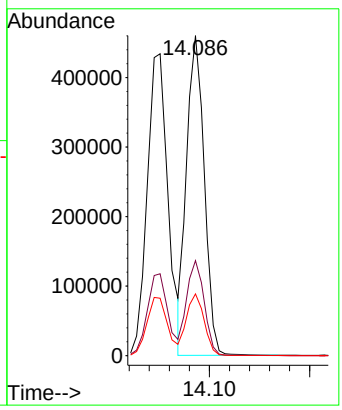


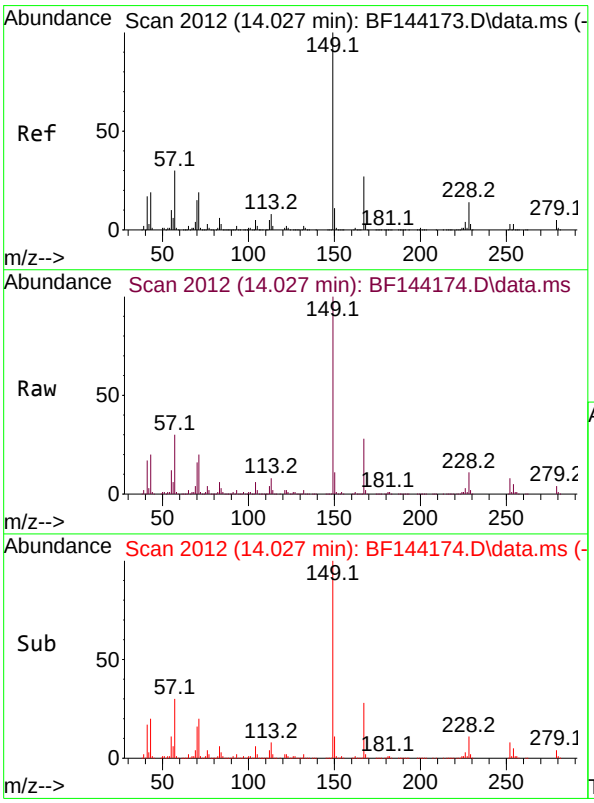
#83
Chrysene
Concen: 45.489 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 565678

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.9	34.3
229	19.3	15.0	22.6

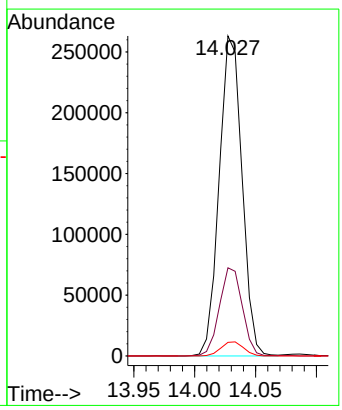


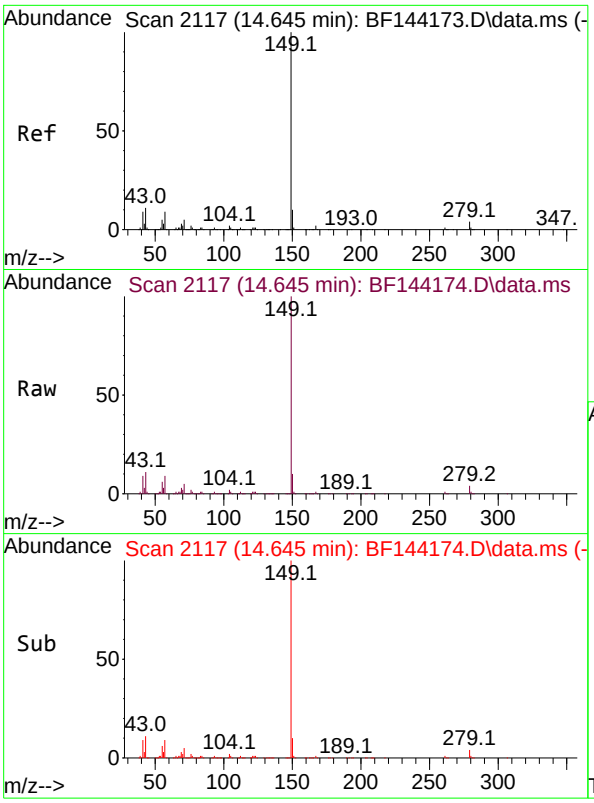


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.061 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:149 Resp: 342489

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.8	32.8
279	4.2	3.7	5.5



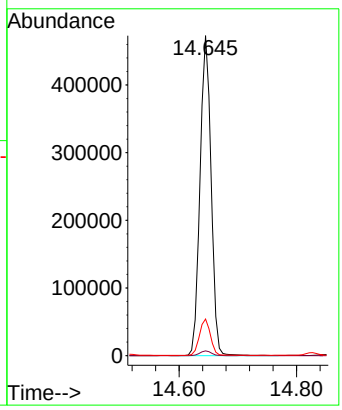


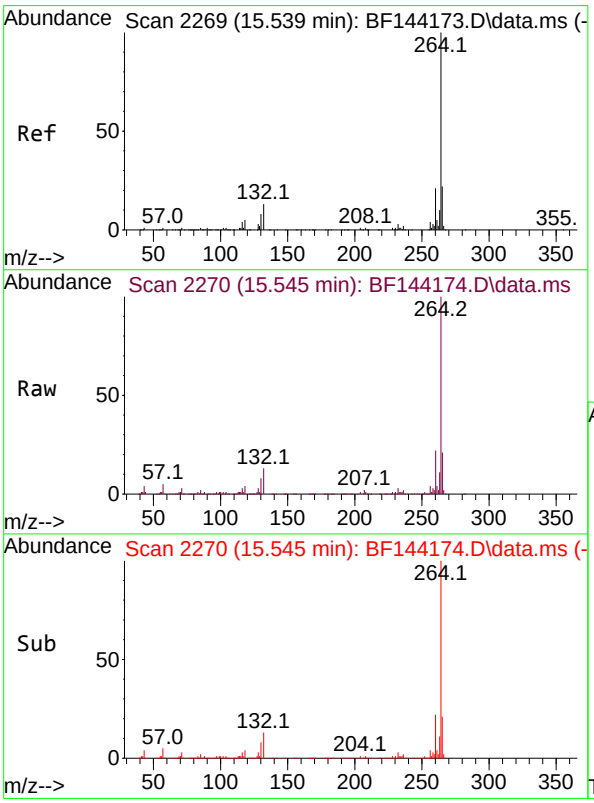
#85
Di-n-octyl phthalate
Concen: 48.068 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 616644

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.0	13.4

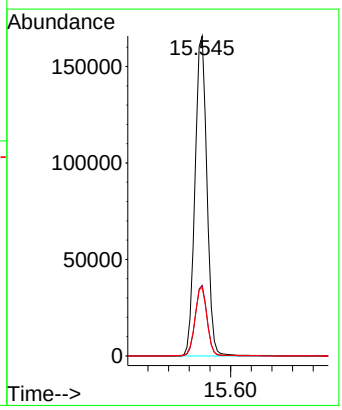


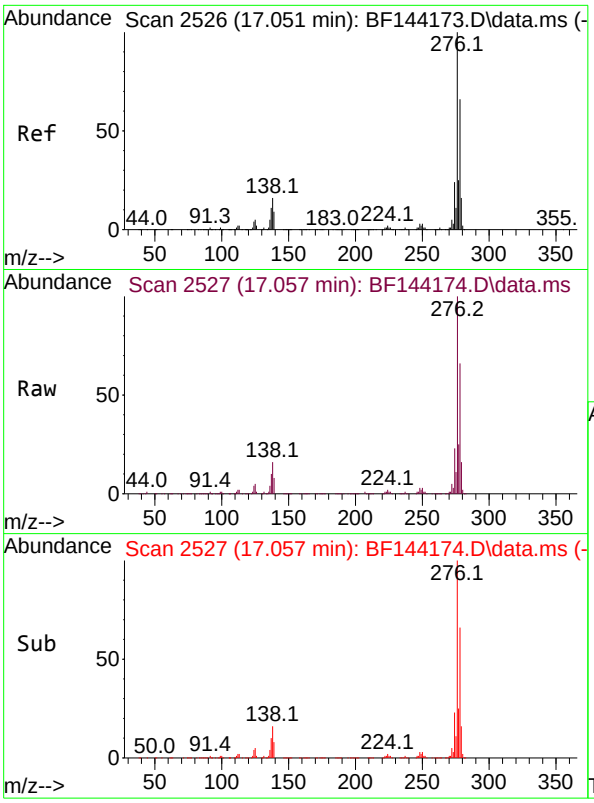


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:264 Resp: 264861

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.1	25.7
265	21.5	17.4	26.0



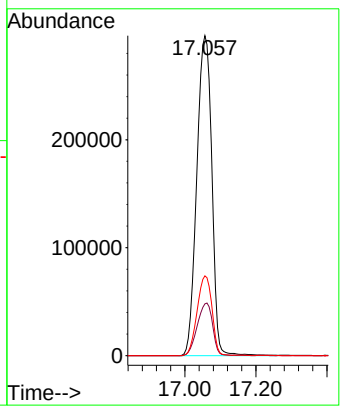


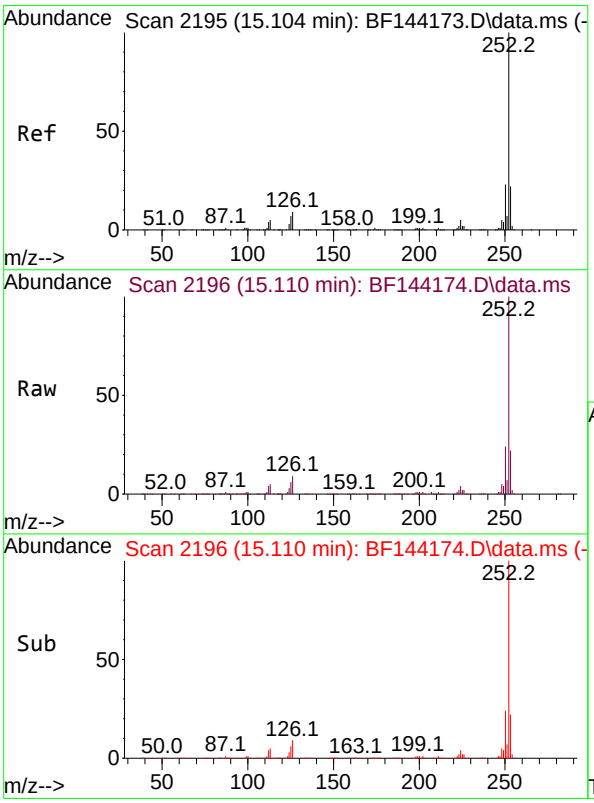
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.642 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 867786

Ion	Ratio	Lower	Upper
276	100		
138	16.7	13.9	20.9
277	24.5	19.8	29.6

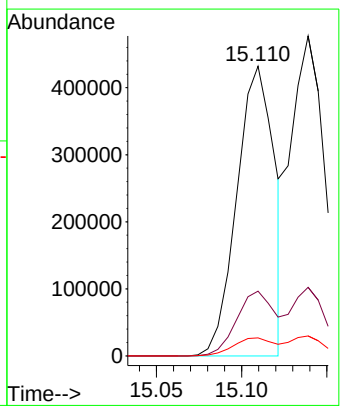


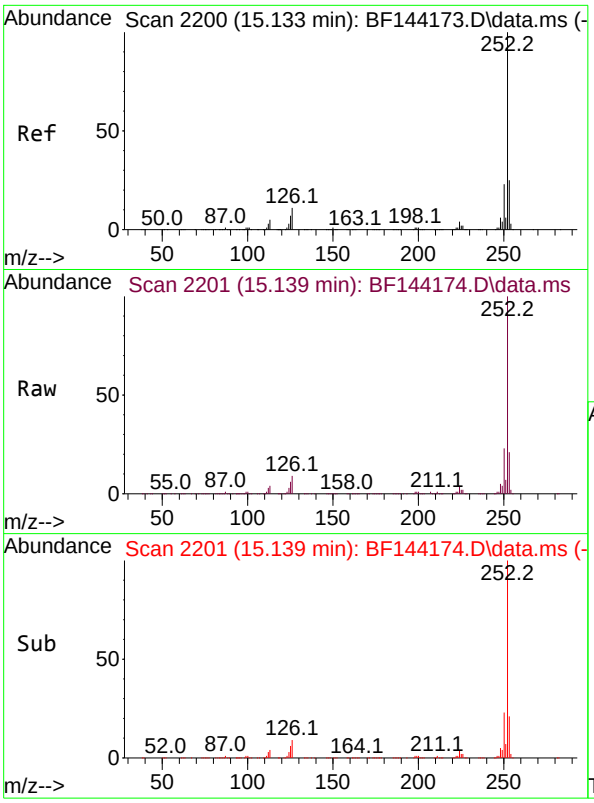


#88
Benzo(b)fluoranthene
Concen: 44.079 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 663728

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.2	5.3	7.9



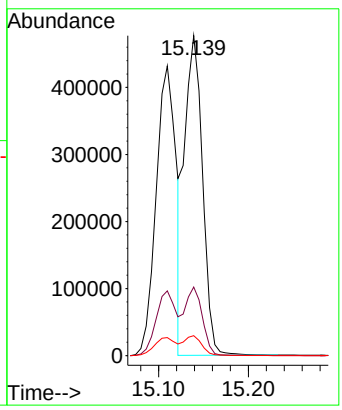


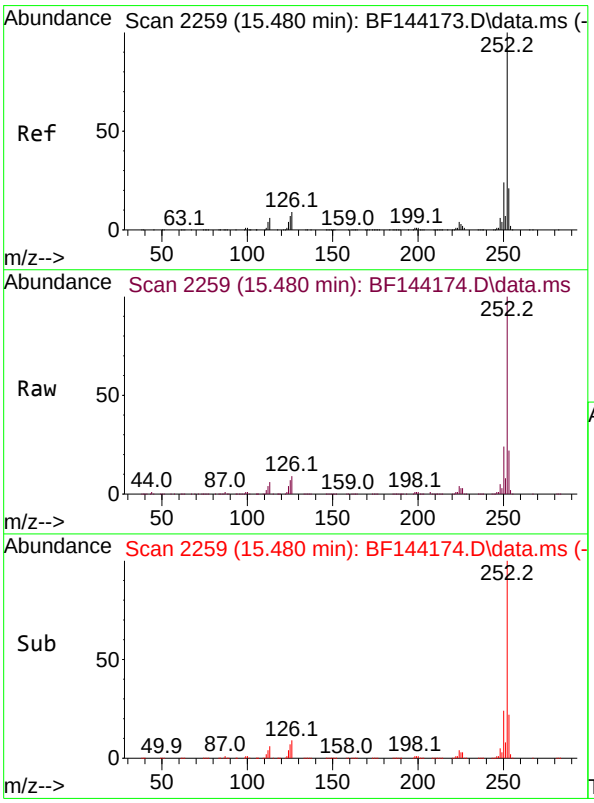
#89
Benzo(k)fluoranthene
Concen: 46.952 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 661746

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	6.2	5.4	8.2

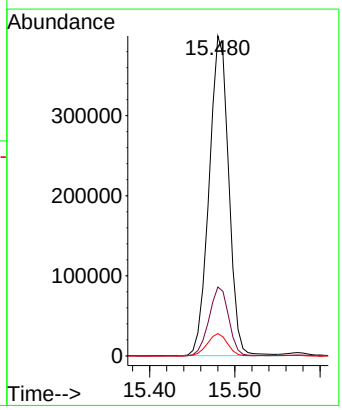


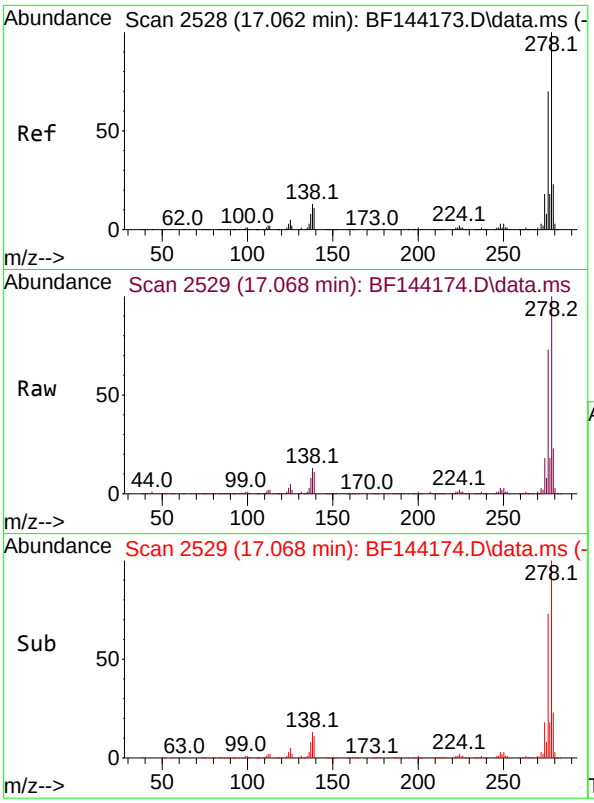


#90
Benzo(a)pyrene
Concen: 45.882 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:252 Resp: 637370

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.7	25.1
125	7.0	5.7	8.5



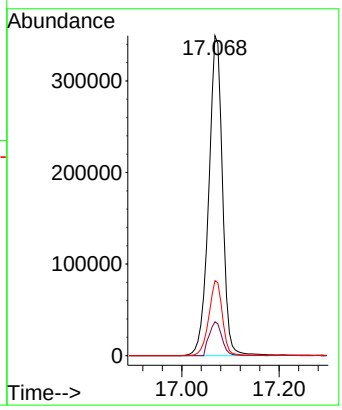


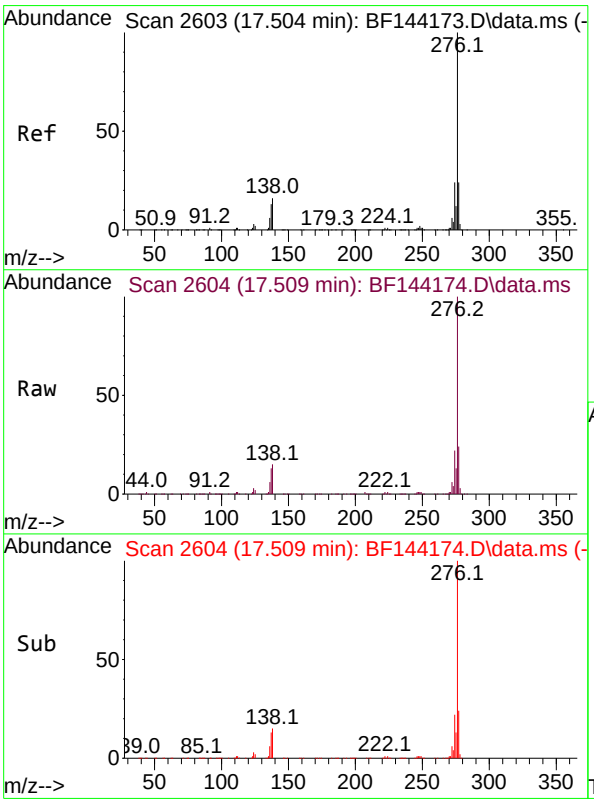
#91
Dibenzo(a,h)anthracene
Concen: 45.098 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 688620

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.1	13.7
279	23.4	18.2	27.4

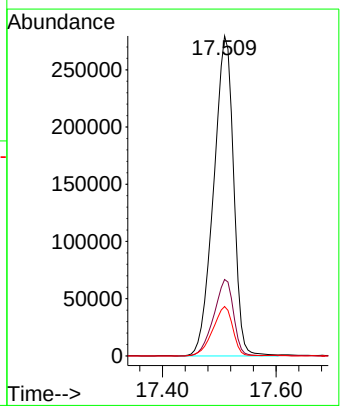




#92
Benzo(g,h,i)perylene
Concen: 45.152 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.012 min
Lab File: BF144174.D
Acq: 05 Nov 2025 15:49

Tgt Ion:276 Resp: 680830

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	15.4	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63801	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239743	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	126385	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213136	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145867	20.000	ng	0.00
86) Perylene-d12	15.539	264	205758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	509184	124.890	ng	0.00
7) Phenol-d6	6.510	99	559443	121.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	519687	125.195	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	198226	124.986	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1047440	122.404	ng	0.00
79) Terphenyl-d14	12.998	244	1057426	115.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.604	88	109742	65.106	ng	99
3) Pyridine	3.375	79	307664	65.424	ng	97
4) n-Nitrosodimethylamine	3.334	42	166098	67.619	ng	97
6) Aniline	6.539	93	409356	62.194	ng	99
8) 2-Chlorophenol	6.663	128	247503	61.902	ng	99
9) Benzaldehyde	6.428	77	150534	57.706	ng	98
10) Phenol	6.522	94	342646	60.707	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	256657	62.405	ng	96
12) 1,3-Dichlorobenzene	6.816	146	303642	61.543	ng	98
13) 1,4-Dichlorobenzene	6.892	146	306973	62.104	ng	99
14) 1,2-Dichlorobenzene	7.045	146	293432	61.936	ng	99
15) Benzyl Alcohol	7.016	79	229107	62.632	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.145	45	467387	61.712	ng	96
17) 2-Methylphenol	7.128	107	191705	60.269	ng	96
18) Hexachloroethane	7.386	117	103964	63.308	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	179314	58.963	ng	96
20) 3+4-Methylphenols	7.281	107	224891	59.977	ng	91
22) Acetophenone	7.286	105	302907	58.897	ng	94
24) Nitrobenzene	7.463	77	285924	63.439	ng	98
25) Isophorone	7.698	82	485836	61.876	ng	99
26) 2-Nitrophenol	7.775	139	144140	64.606	ng	96
27) 2,4-Dimethylphenol	7.810	122	212249	63.471	ng	95
28) bis(2-Chloroethoxy)met...	7.904	93	304411	62.085	ng	99
29) 2,4-Dichlorophenol	8.016	162	234718	60.899	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	240858	60.858	ng	98
31) Naphthalene	8.181	128	684579	60.028	ng	100
32) Benzoic acid	7.933	122	136682	55.761	ng	96
33) 4-Chloroaniline	8.228	127	255554	61.441	ng	98
34) Hexachlorobutadiene	8.298	225	182626	61.229	ng	98
35) Caprolactam	8.610	113	62840	59.512	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	208910	60.481	ng	99
37) 2-Methylnaphthalene	8.875	142	447909	58.743	ng	98
38) 1-Methylnaphthalene	8.975	142	431529	58.654	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	271508	65.549	ng	99
41) Hexachlorocyclopentadiene	9.022	237	95909	64.419	ng	96
43) 2,4,6-Trichlorophenol	9.151	196	185412	65.769	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

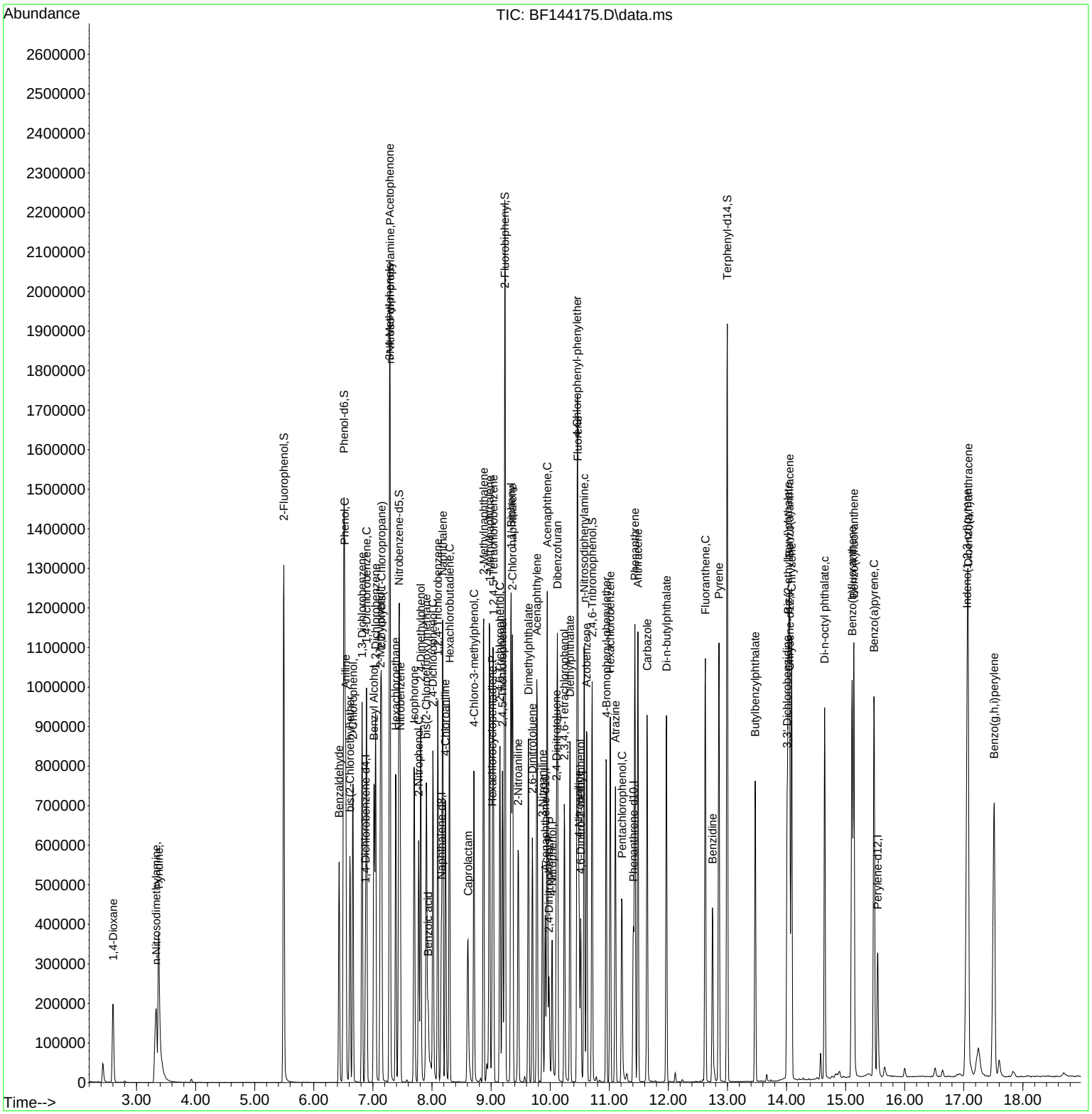
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	190324	62.639	ng	99
46) 1,1'-Biphenyl	9.339	154	549700	62.310	ng	99
47) 2-Chloronaphthalene	9.363	162	474514	63.056	ng	99
48) 2-Nitroaniline	9.457	65	141938	65.370	ng	98
49) Acenaphthylene	9.775	152	636324	62.050	ng	100
50) Dimethylphthalate	9.633	163	521205	62.250	ng	99
51) 2,6-Dinitrotoluene	9.698	165	110140	64.983	ng	99
52) Acenaphthene	9.951	154	423653	61.778	ng	99
53) 3-Nitroaniline	9.869	138	119967	64.749	ng	100
54) 2,4-Dinitrophenol	9.980	184	63597	62.138	ng	98
55) Dibenzofuran	10.122	168	592400	61.680	ng	98
56) 4-Nitrophenol	10.033	139	80163	59.812	ng	97
57) 2,4-Dinitrotoluene	10.104	165	142910	62.984	ng	97
58) Fluorene	10.469	166	435687	59.664	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	140953	65.569	ng	97
60) Diethylphthalate	10.333	149	468931	60.755	ng	98
61) 4-Chlorophenyl-phenyle...	10.457	204	249857	60.068	ng	97
62) 4-Nitroaniline	10.486	138	109153	61.862	ng	97
63) Azobenzene	10.616	77	453890	63.187	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	90823	62.727	ng	97
66) n-Nitrosodiphenylamine	10.574	169	421720	61.520	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	170395	62.634	ng	99
68) Hexachlorobenzene	11.016	284	204258	63.744	ng	96
69) Atrazine	11.104	200	134002	61.467	ng	100
70) Pentachlorophenol	11.216	266	103466	64.842	ng	99
71) Phenanthrene	11.433	178	641461	60.448	ng	99
72) Anthracene	11.486	178	656819	60.871	ng	100
73) Carbazole	11.639	167	546322	59.542	ng	100
74) Di-n-butylphthalate	11.969	149	677444	61.075	ng	99
75) Fluoranthene	12.627	202	667021	60.849	ng	99
77) Benzidine	12.745	184	277725	64.368	ng	100
78) Pyrene	12.857	202	686663	58.384	ng	100
80) Butylbenzylphthalate	13.468	149	249274	61.152	ng	100
81) Benzo(a)anthracene	14.051	228	653341	64.625	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	232807	67.182	ng	96
83) Chrysene	14.086	228	580449	62.196	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	351501	62.991	ng	98
85) Di-n-octyl phthalate	14.645	149	631065	65.547	ng	100
87) Indeno(1,2,3-cd)pyrene	17.056	276	938738	63.557	ng	100
88) Benzo(b)fluoranthene	15.109	252	700099	59.849	ng	99
89) Benzo(k)fluoranthene	15.139	252	699851	63.919	ng	98
90) Benzo(a)pyrene	15.480	252	680720	63.078	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	746544	62.936	ng	98
92) Benzo(g,h,i)perylene	17.515	276	757880	64.699	ng	98

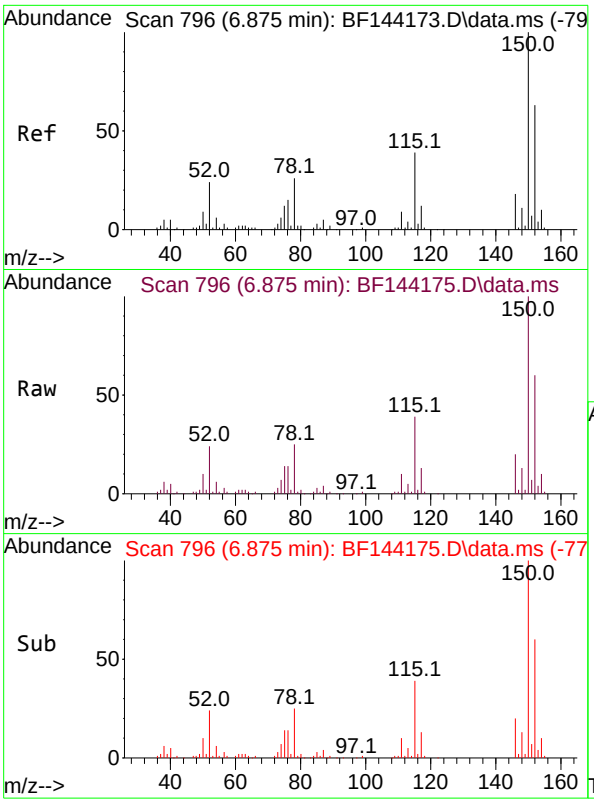
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144175.D
Acq On : 05 Nov 2025 16:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 17:24:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



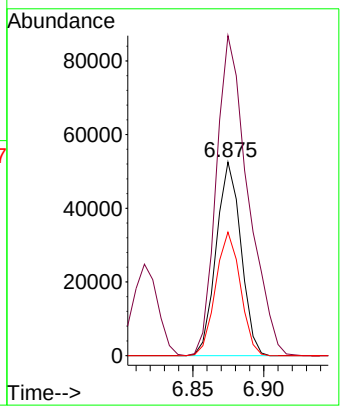


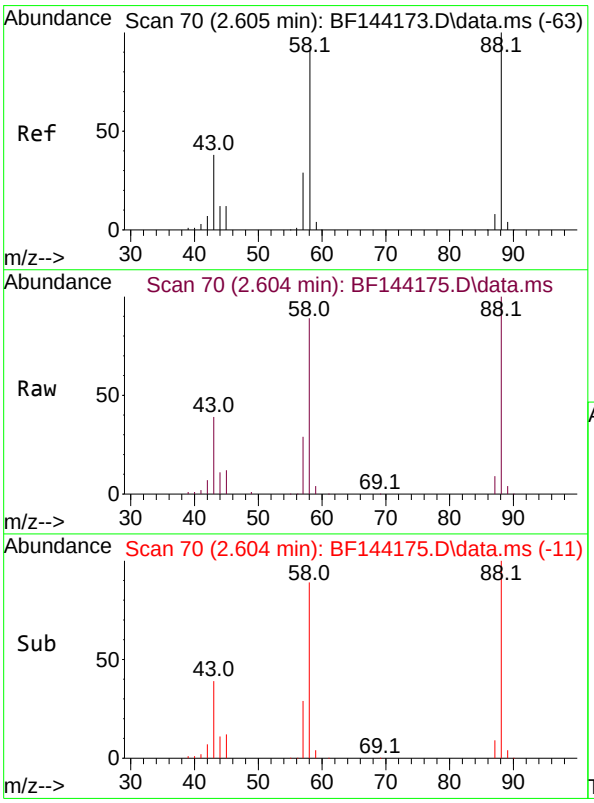
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 63801

Ion	Ratio	Lower	Upper
152	100		
150	165.3	127.4	191.0
115	63.8	49.5	74.3

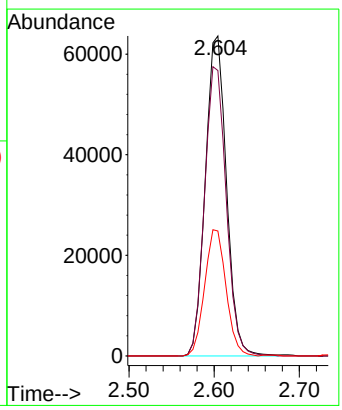


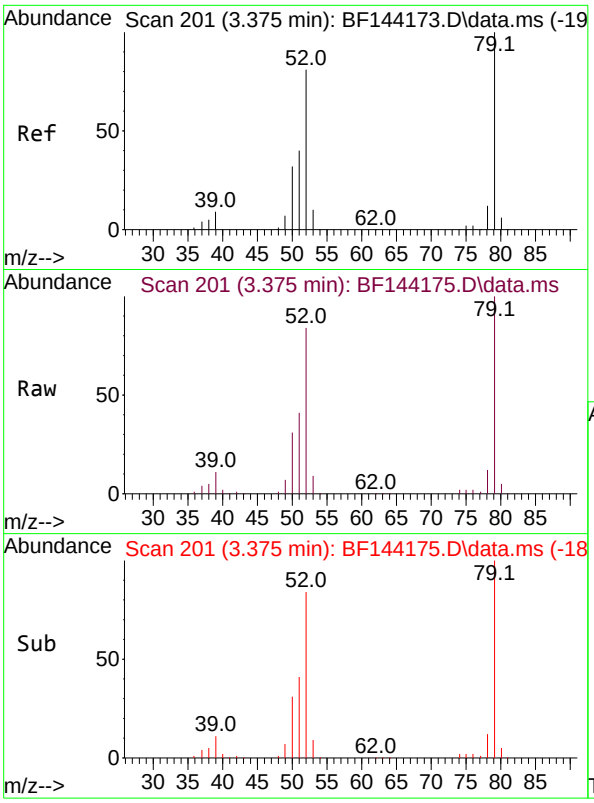


#2
1,4-Dioxane
Concen: 65.106 ng
RT: 2.604 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 88 Resp: 109742

Ion	Ratio	Lower	Upper
88	100		
58	92.2	73.1	109.7
43	39.9	31.0	46.6



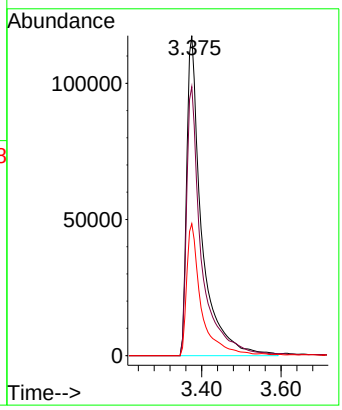


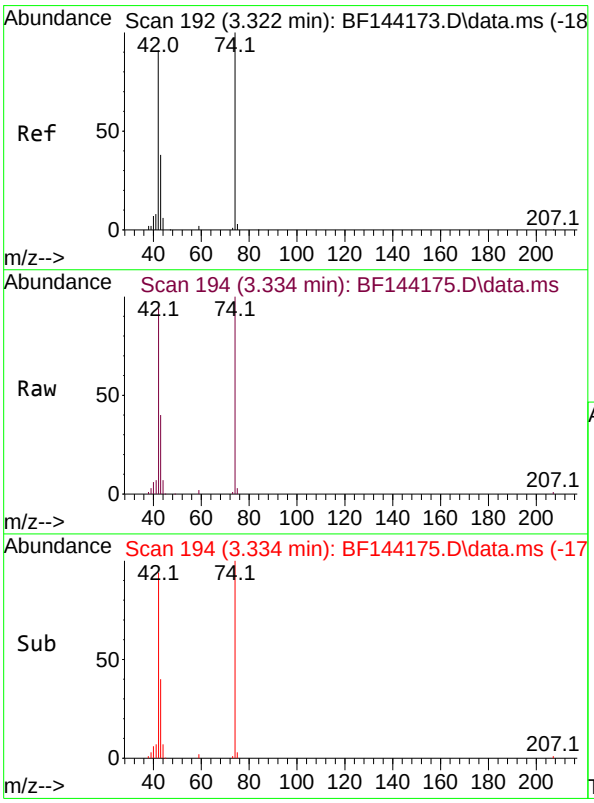
#3
Pyridine
Concen: 65.424 ng
RT: 3.375 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 307664

Ion	Ratio	Lower	Upper
79	100		
52	84.0	64.5	96.7
51	41.2	31.7	47.5

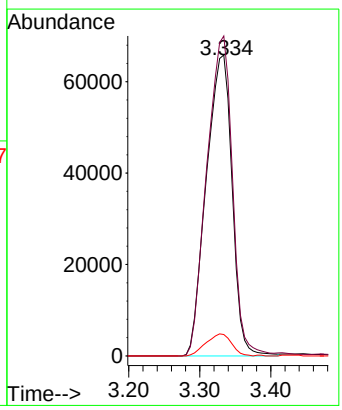


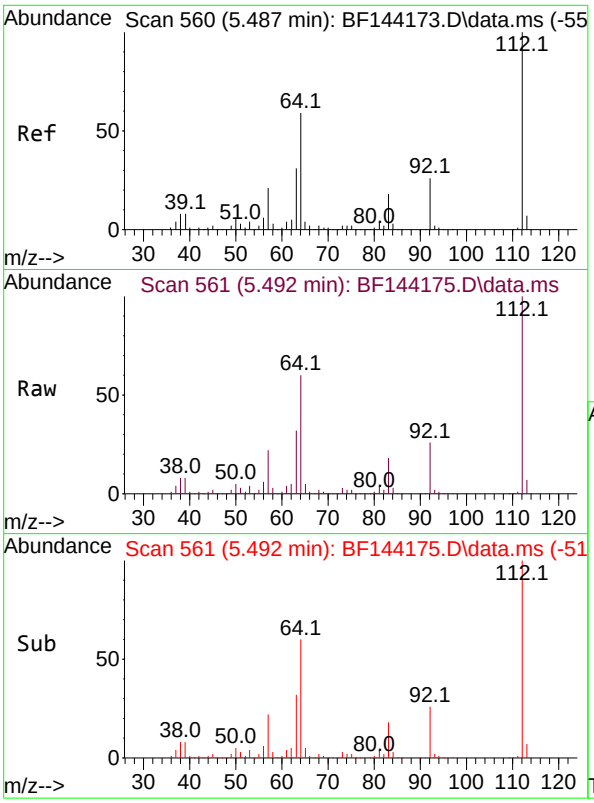


#4
n-Nitrosodimethylamine
Concen: 67.619 ng
RT: 3.334 min Scan# 194
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 42 Resp: 166098

Ion	Ratio	Lower	Upper
42	100		
74	106.4	88.2	132.4
44	7.1	5.7	8.5



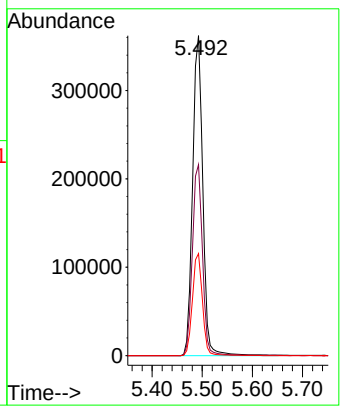


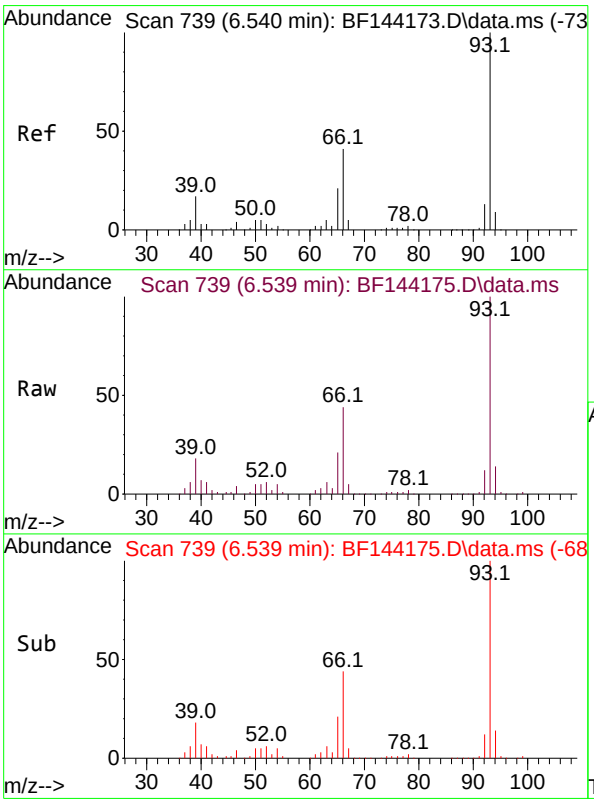
#5
2-Fluorophenol
Concen: 124.890 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 509184

Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.2	70.8
63	31.9	24.4	36.6

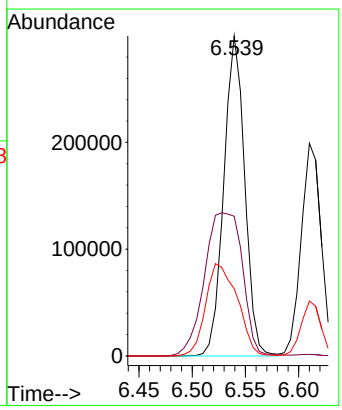


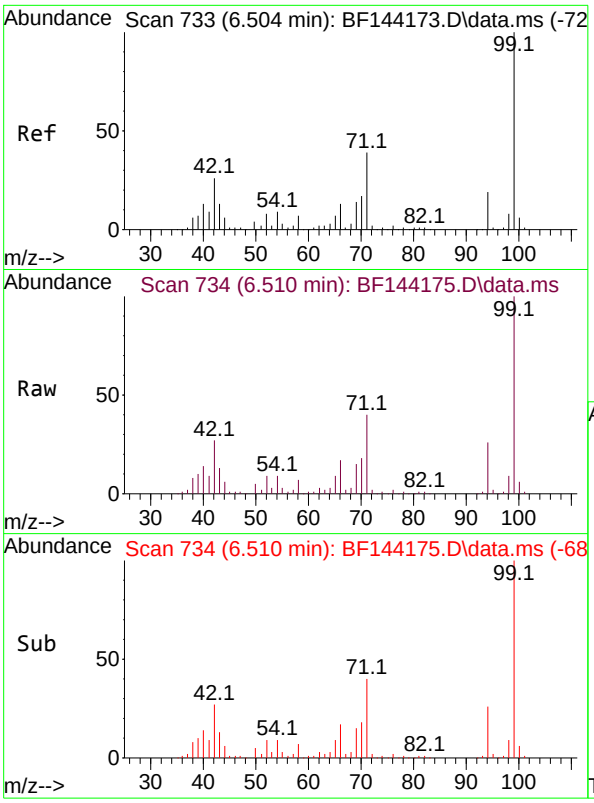


#6
Aniline
Concen: 62.194 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 93 Resp: 409356

Ion	Ratio	Lower	Upper
93	100		
66	43.6	34.3	51.5
65	21.0	16.9	25.3



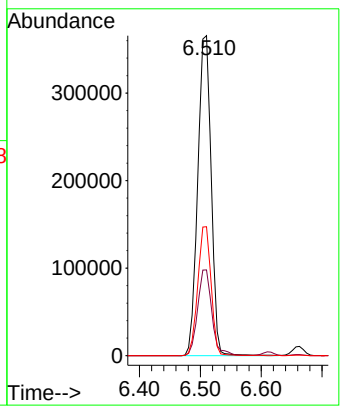


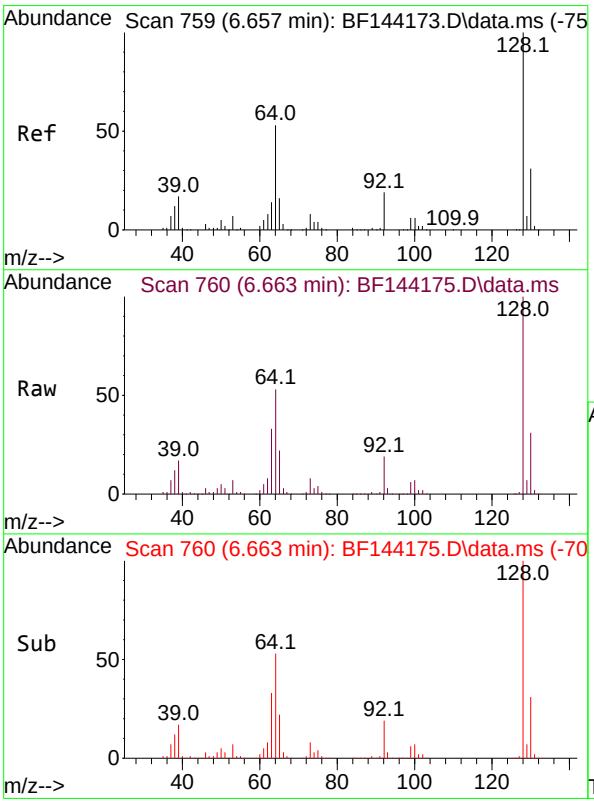
#7
Phenol-d6
Concen: 121.101 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 559443

Ion	Ratio	Lower	Upper
99	100		
42	26.8	20.9	31.3
71	40.3	31.4	47.2

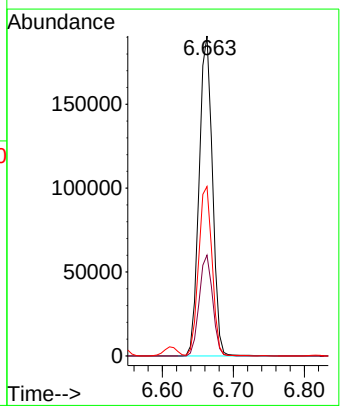


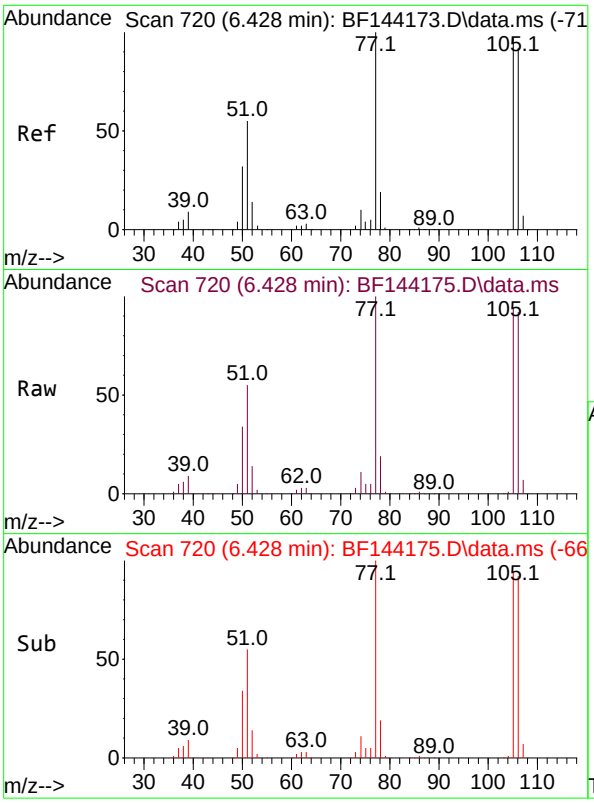


#8
2-Chlorophenol
Concen: 61.902 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:128 Resp: 247503

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.5	50.5
64	52.9	33.2	73.2



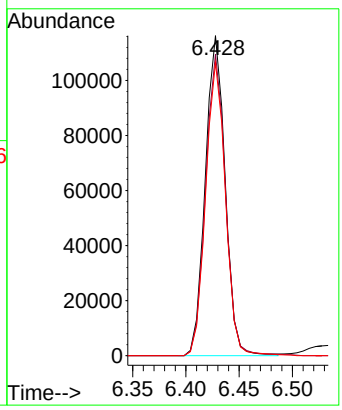


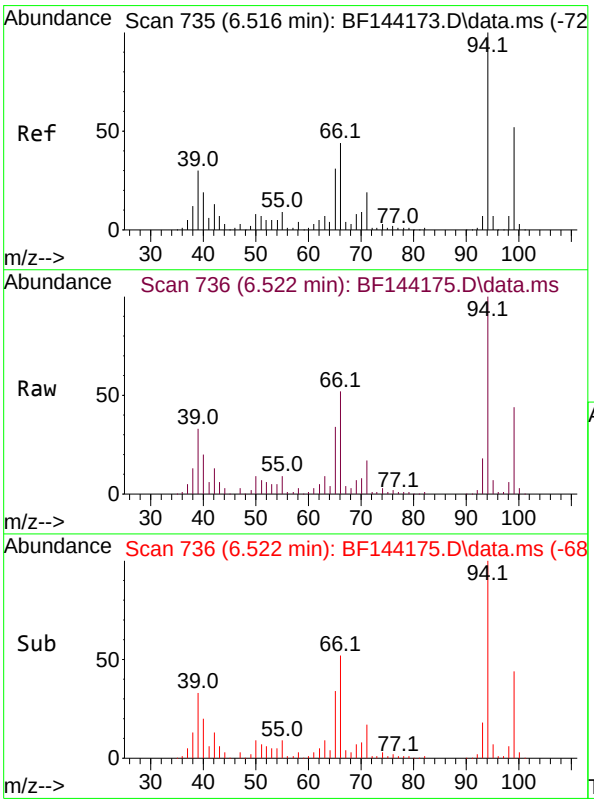
#9
Benzaldehyde
Concen: 57.706 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 150534

Ion	Ratio	Lower	Upper
77	100		
105	94.2	77.2	117.2
106	91.6	72.2	112.2

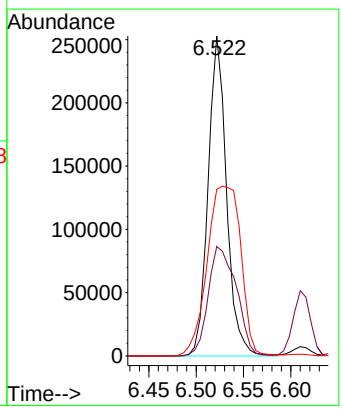


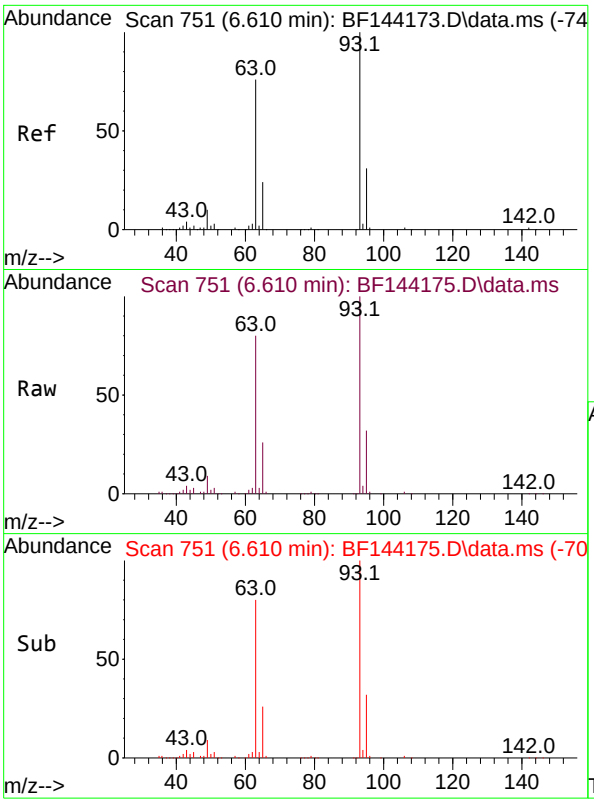


#10
Phenol
Concen: 60.707 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 94 Resp: 342646

Ion	Ratio	Lower	Upper
94	100		
65	34.2	10.8	50.8
66	52.1	24.3	64.3



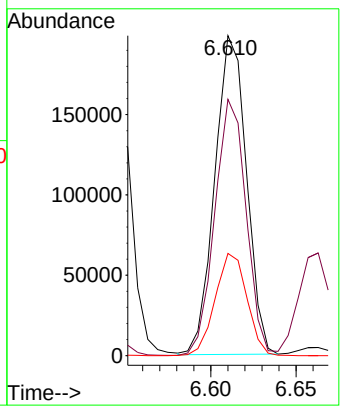


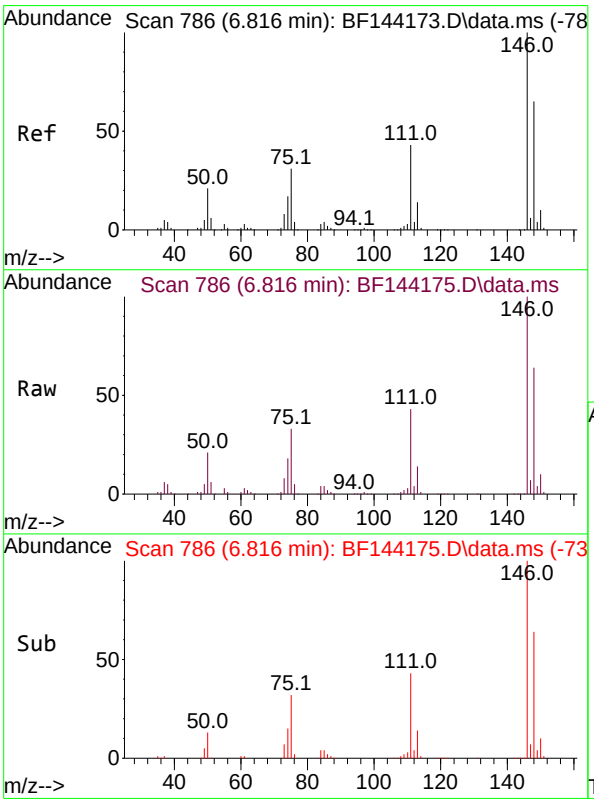
#11
bis(2-Chloroethyl)ether
Concen: 62.405 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 256657

Ion	Ratio	Lower	Upper
93	100		
63	80.1	55.2	95.2
95	31.9	11.2	51.2

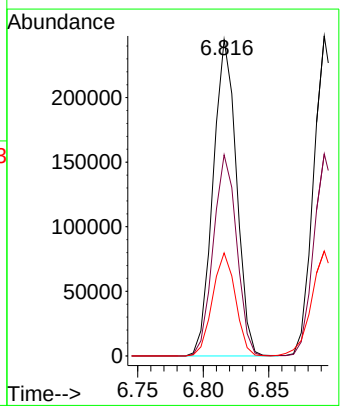


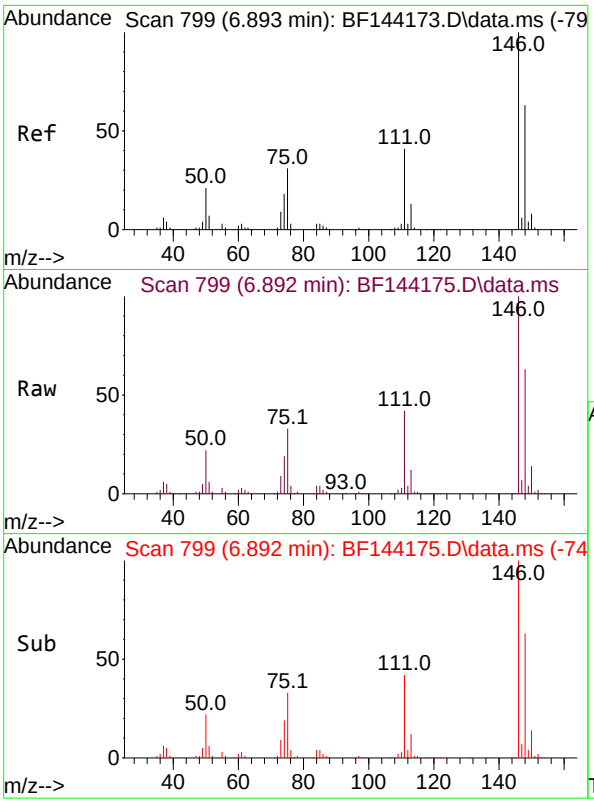


#12
1,3-Dichlorobenzene
Concen: 61.543 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:146 Resp: 303642

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
75	32.6	25.0	37.4



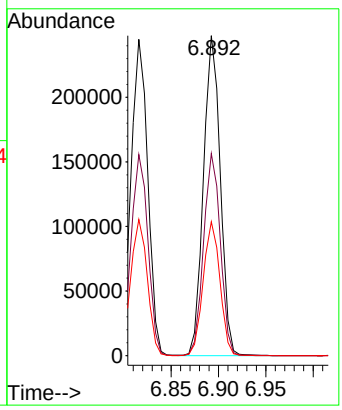


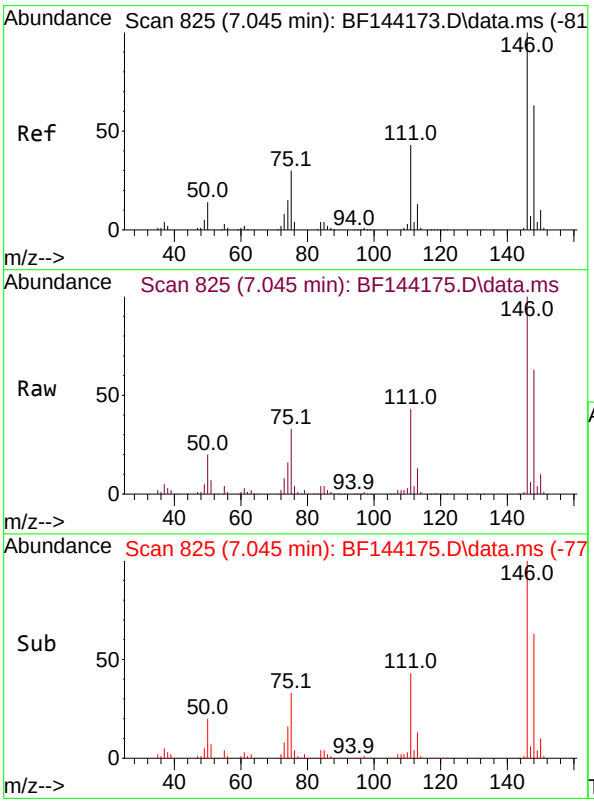
#13
1,4-Dichlorobenzene
Concen: 62.104 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 306973

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	41.8	32.6	48.8

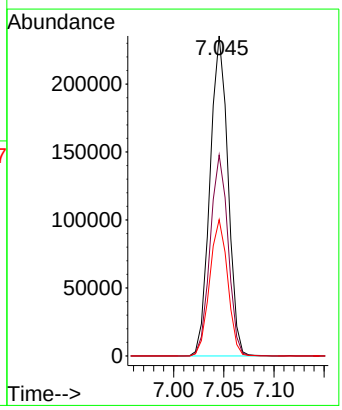


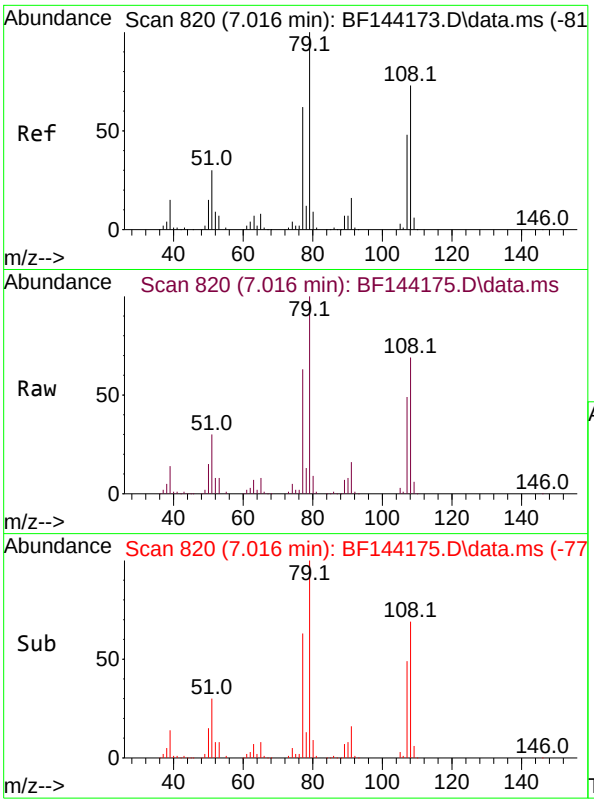


#14
1,2-Dichlorobenzene
Concen: 61.936 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:146 Resp: 293432

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.7	76.1
111	42.6	34.2	51.4



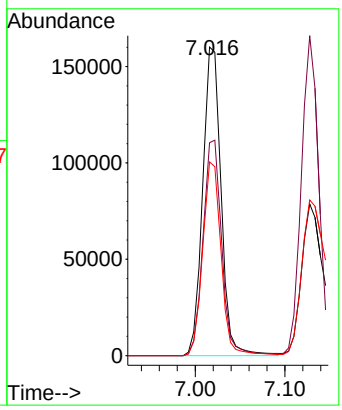


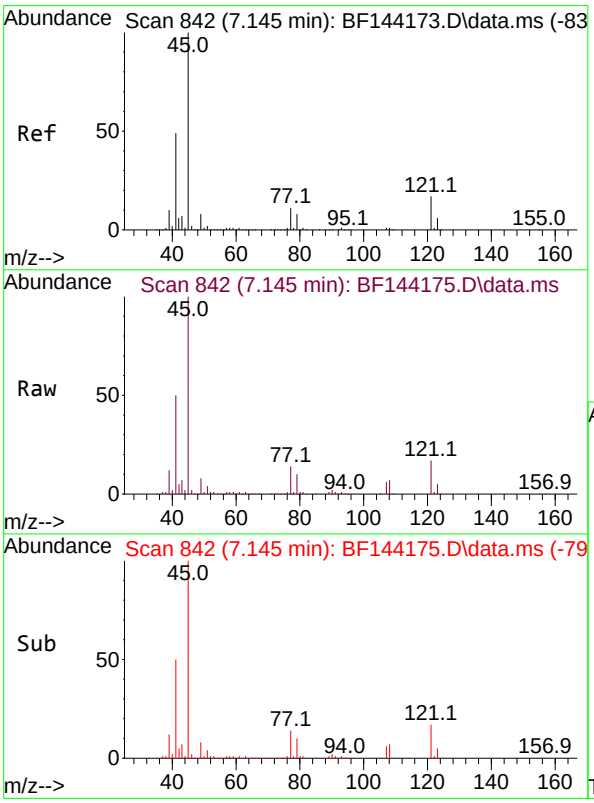
#15
Benzyl Alcohol
Concen: 62.632 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 229107

Ion	Ratio	Lower	Upper
79	100		
108	69.0	58.2	87.4
77	62.8	49.9	74.9

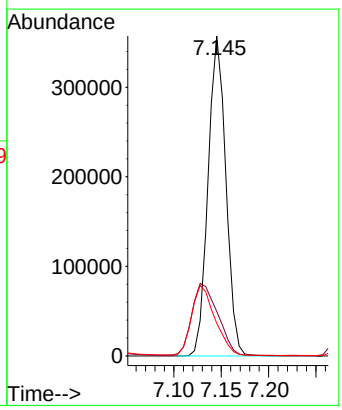


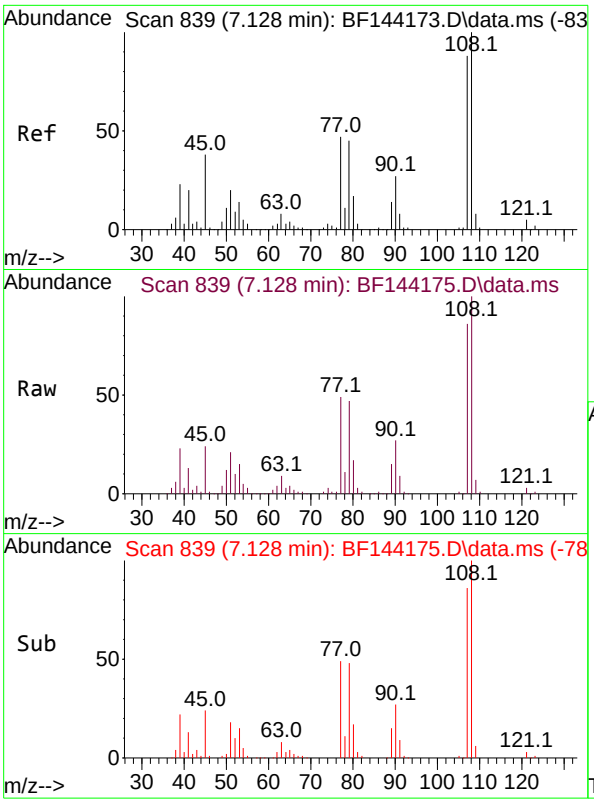


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.712 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 45 Resp: 467387

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	31.8
79	10.2	0.0	29.1



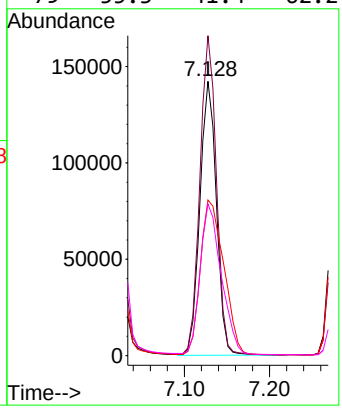


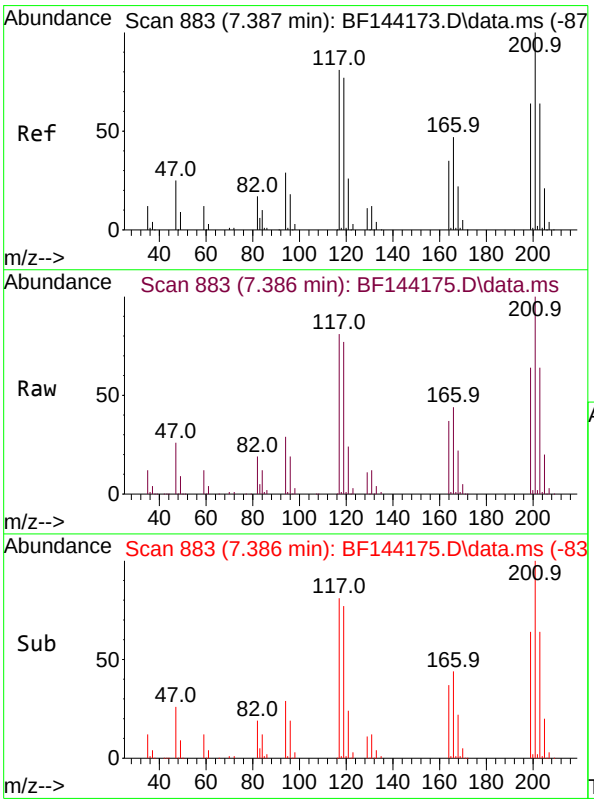
#17
2-Methylphenol
Concen: 60.269 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 191705

Ion	Ratio	Lower	Upper
107	100		
108	116.6	91.0	136.4
77	56.7	42.7	64.1
79	55.3	41.4	62.2

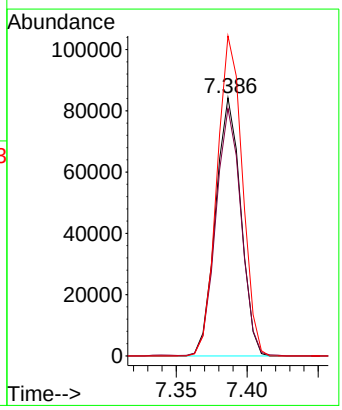


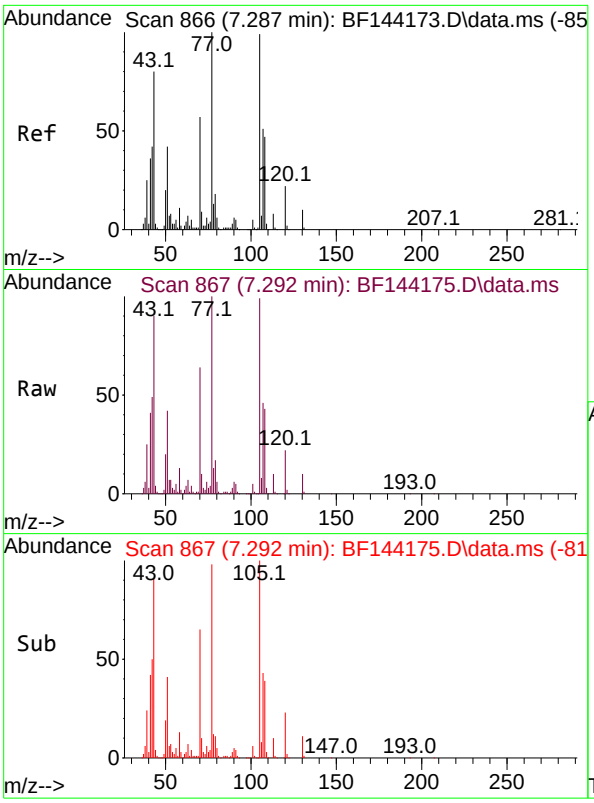


#18
Hexachloroethane
Concen: 63.308 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:117 Resp: 103964

Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
201	123.9	98.9	148.3



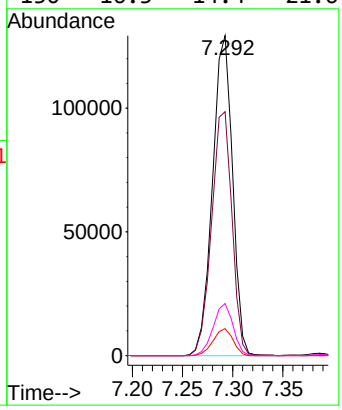


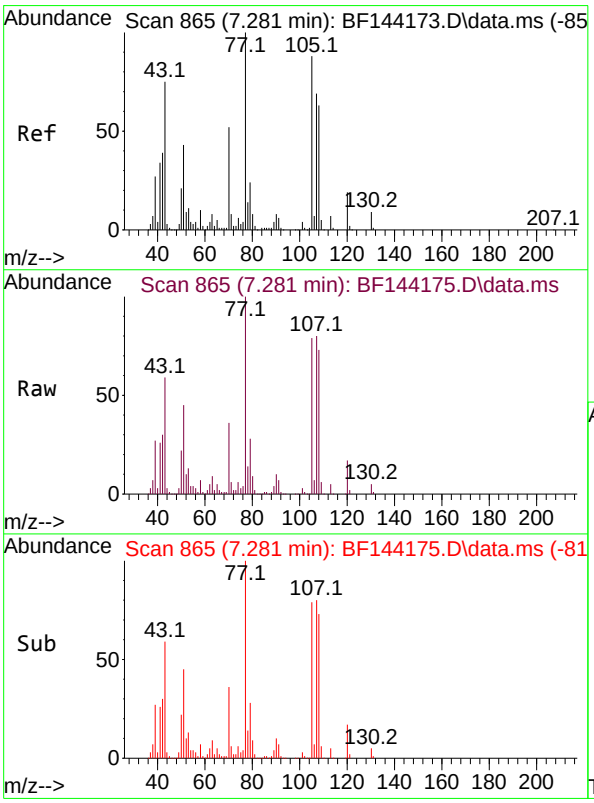
#19
n-Nitroso-di-n-propylamine
Concen: 58.963 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 179314

Ion	Ratio	Lower	Upper
70	100		
42	76.2	58.3	87.5
101	8.4	7.0	10.6
130	16.3	14.4	21.6

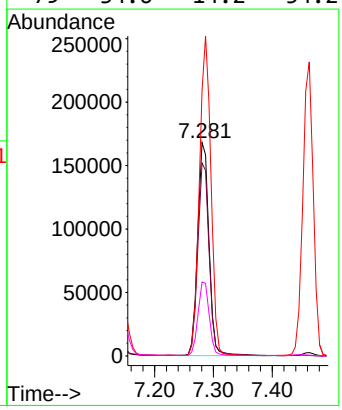


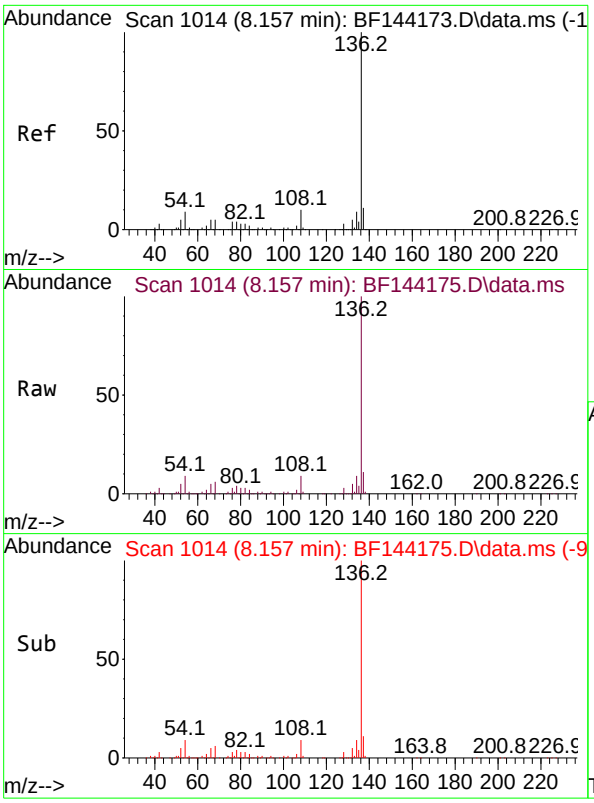


#20
3+4-Methylphenols
Concen: 59.977 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:107 Resp: 224891

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.2	110.2
77	124.2	123.9	163.9
79	34.6	14.2	54.2



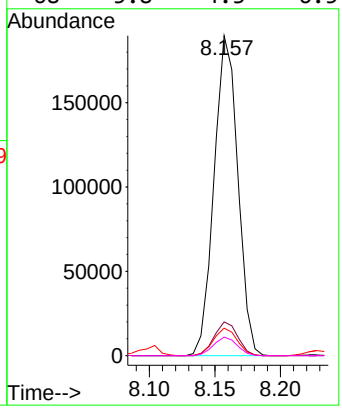


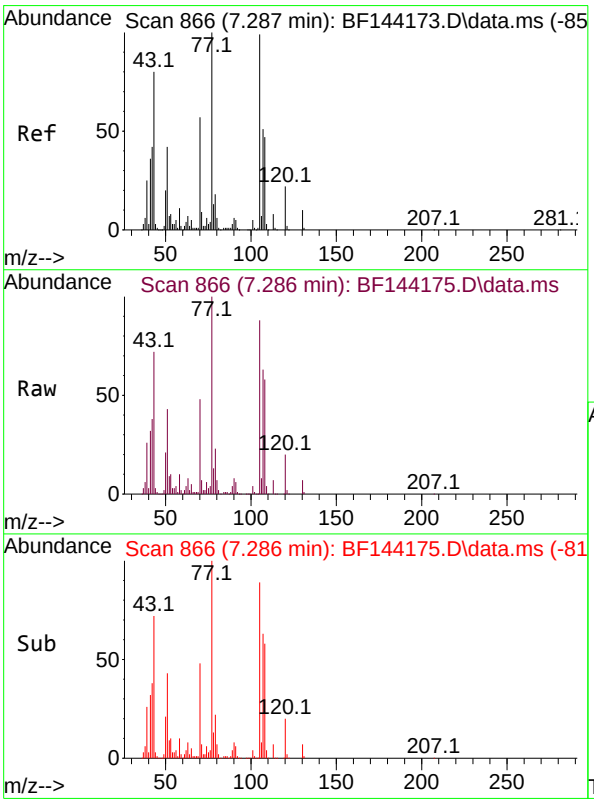
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 239743

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.6	7.0	10.6
68	5.8	4.3	6.5

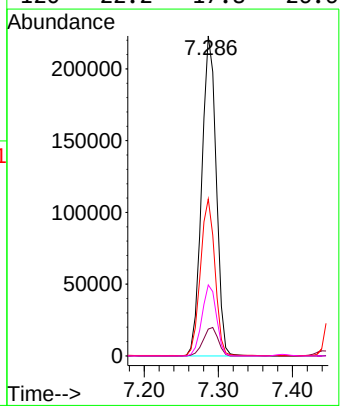


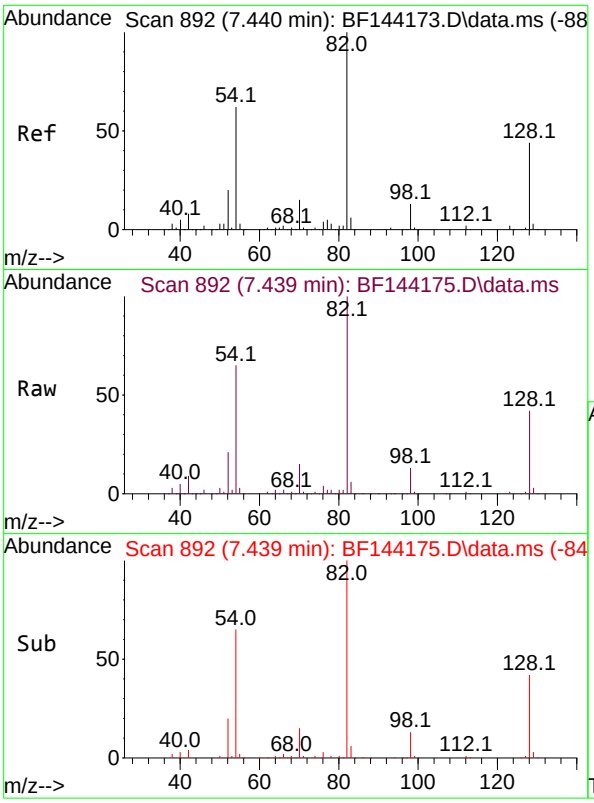


#22
Acetophenone
Concen: 58.897 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:105 Resp: 302907

Ion	Ratio	Lower	Upper
105	100		
71	8.4	7.2	10.8
51	49.0	34.0	51.0
120	22.2	17.8	26.6



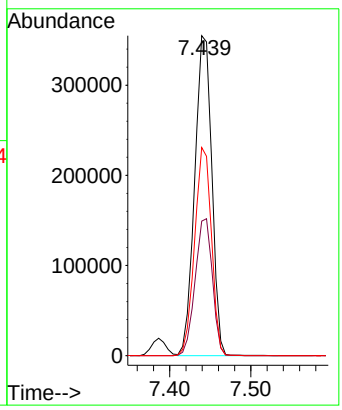


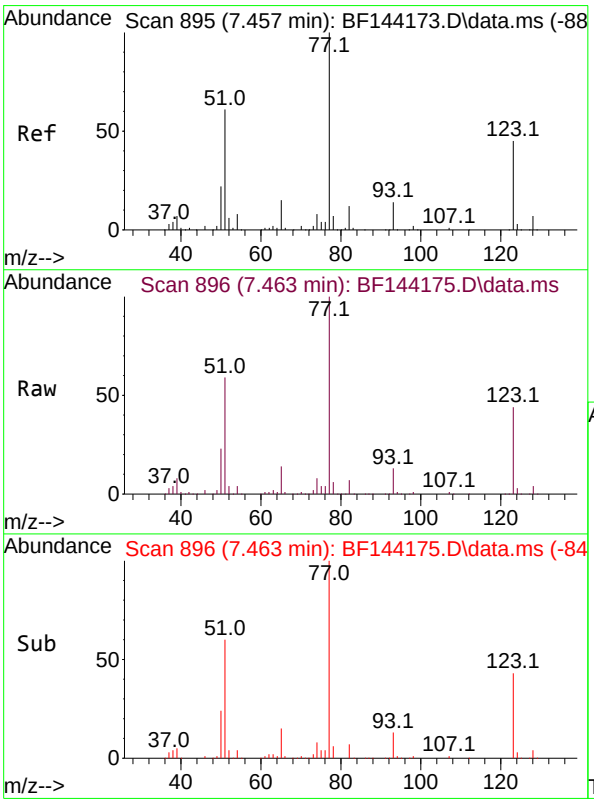
#23
Nitrobenzene-d5
Concen: 125.195 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 519687

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.7	52.1
54	65.1	49.5	74.3

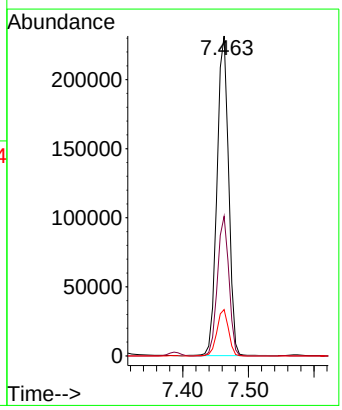


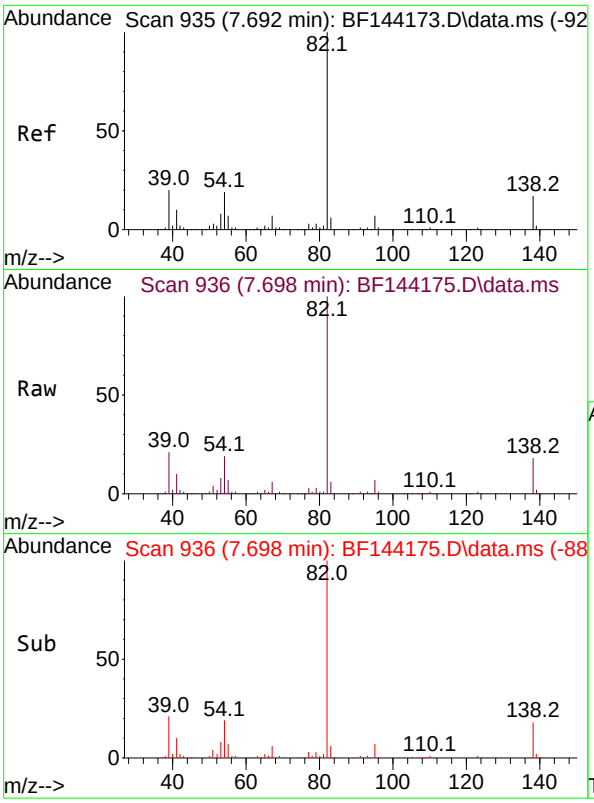


#24
Nitrobenzene
Concen: 63.439 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 77 Resp: 285924

Ion	Ratio	Lower	Upper
77	100		
123	43.6	35.8	53.8
65	14.5	12.2	18.2



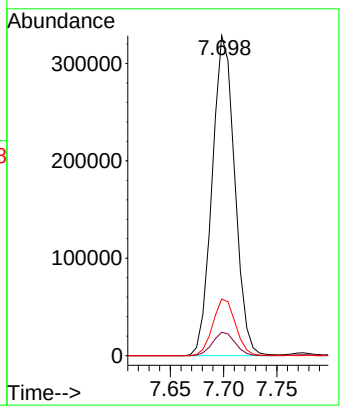


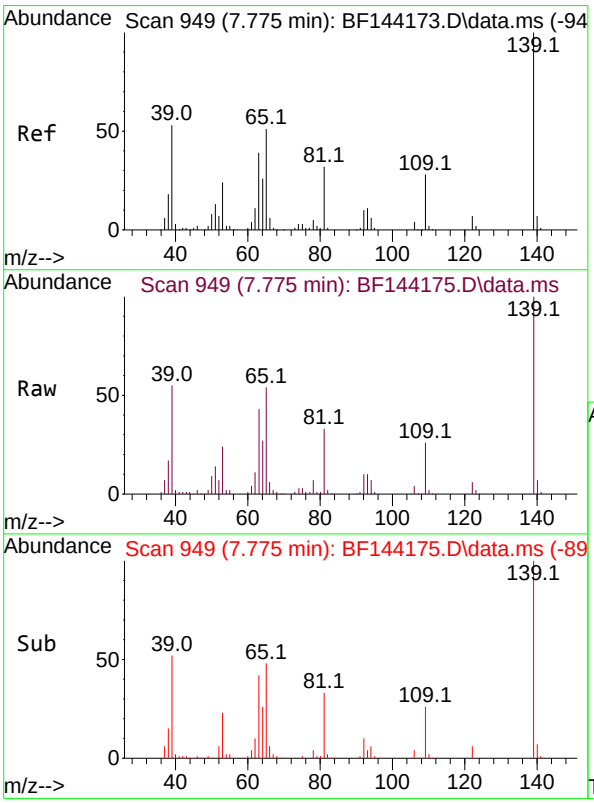
#25
Isophorone
Concen: 61.876 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 485836

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.7	13.7	20.5

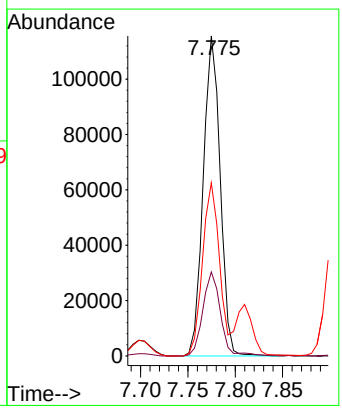


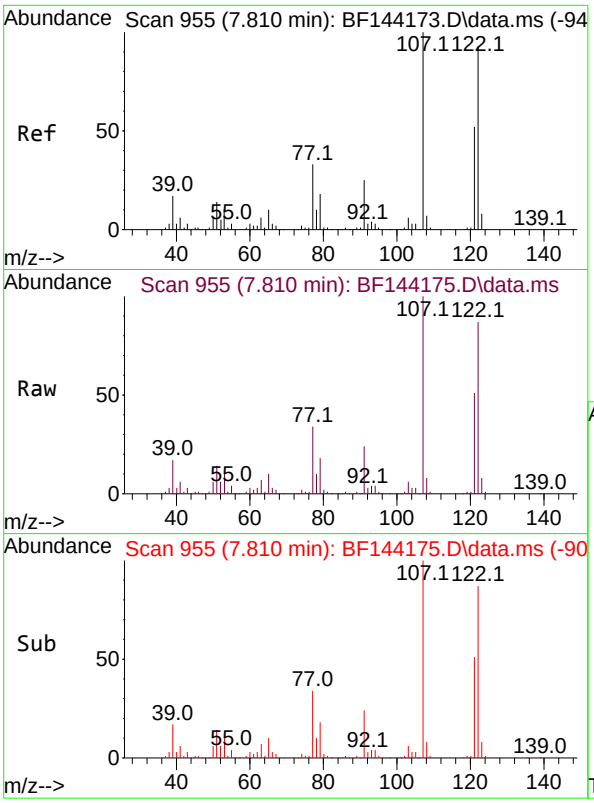


#26
2-Nitrophenol
Concen: 64.606 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:139 Resp: 144140

Ion	Ratio	Lower	Upper
139	100		
109	26.2	22.2	33.2
65	54.1	40.7	61.1



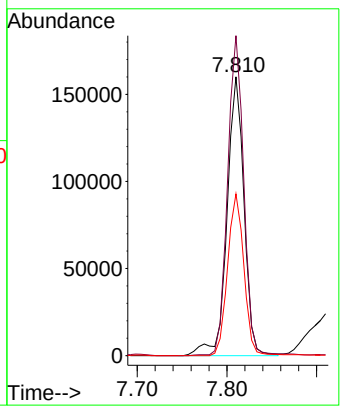


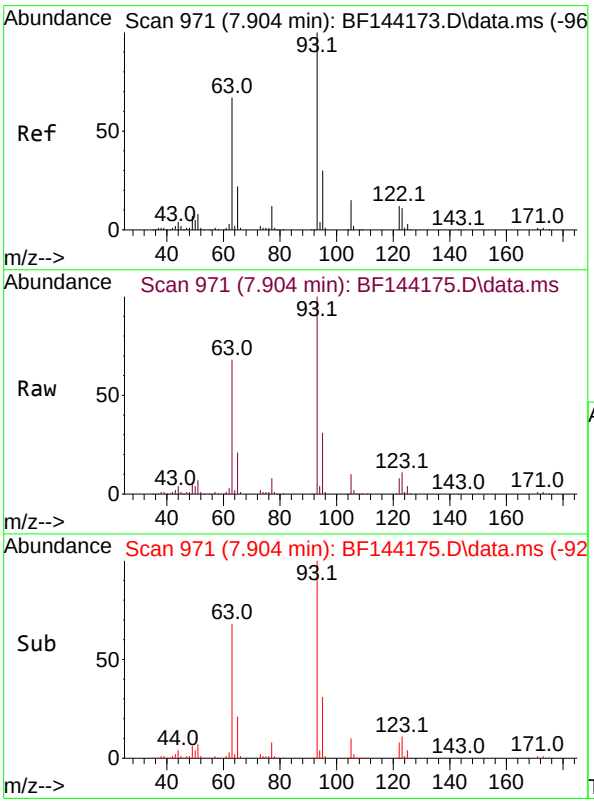
#27
2,4-Dimethylphenol
Concen: 63.471 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 212249

Ion	Ratio	Lower	Upper
122	100		
107	114.7	86.2	129.4
121	58.0	44.6	66.8

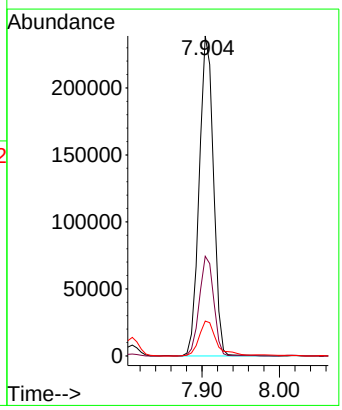


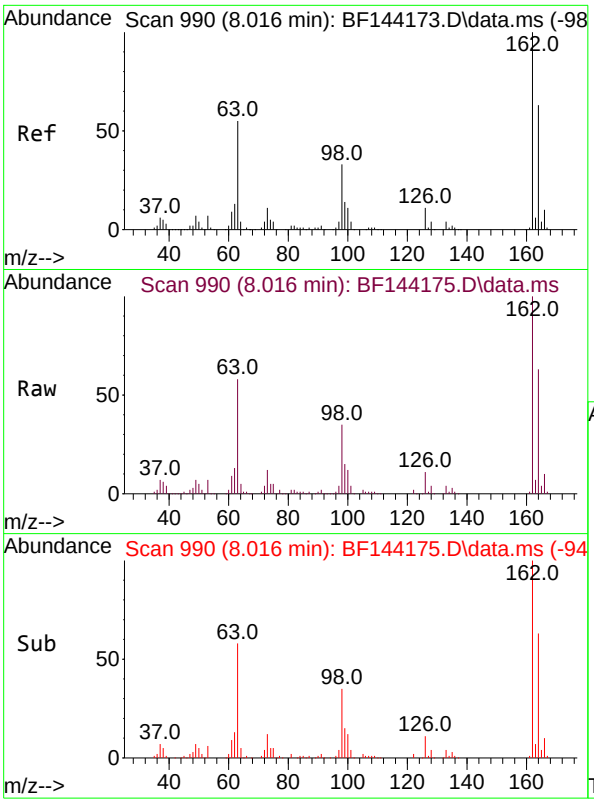


#28
bis(2-Chloroethoxy)methane
Concen: 62.085 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 93 Resp: 304411

Ion	Ratio	Lower	Upper
93	100		
95	31.1	24.2	36.4
123	10.9	9.0	13.4



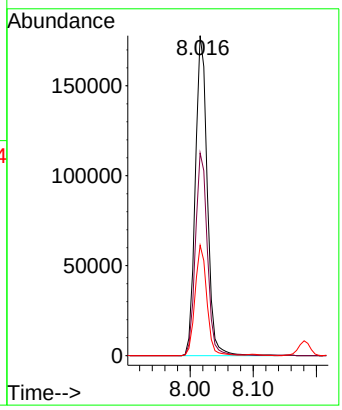


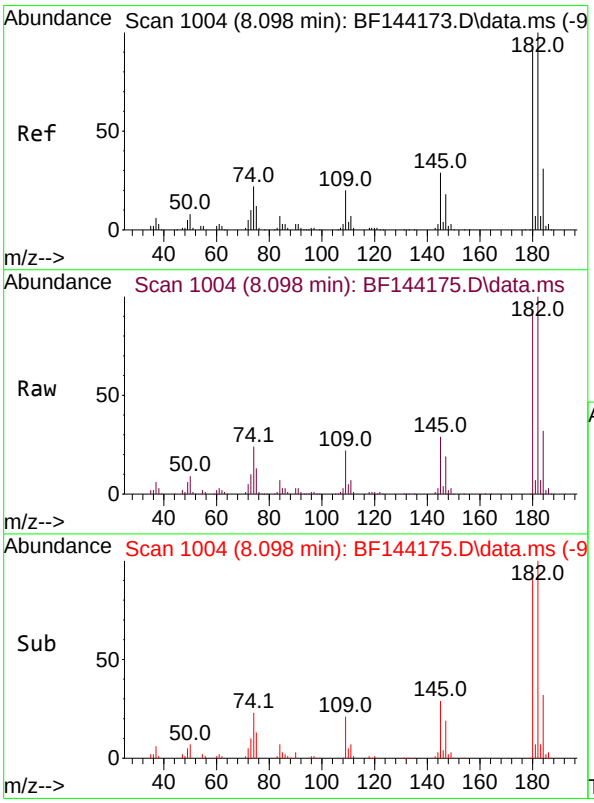
#29
2,4-Dichlorophenol
Concen: 60.899 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 234718

Ion	Ratio	Lower	Upper
162	100		
164	63.3	42.9	82.9
98	34.5	13.3	53.3

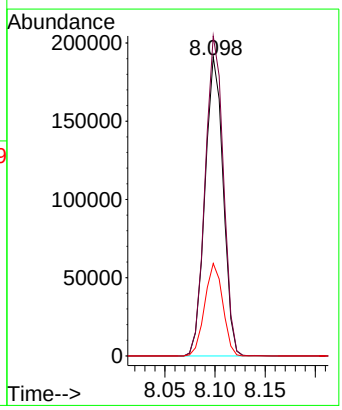


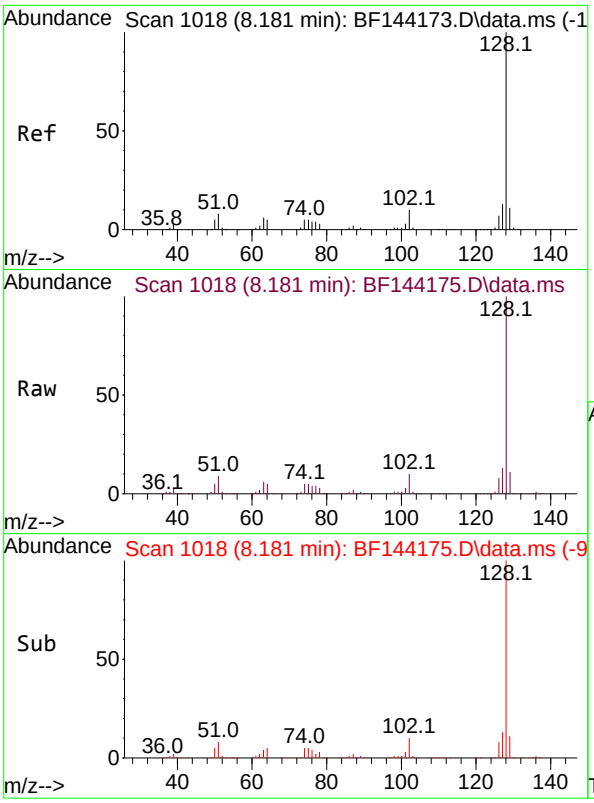


#30
1,2,4-Trichlorobenzene
Concen: 60.858 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:180 Resp: 240858

Ion	Ratio	Lower	Upper
180	100		
182	107.0	87.7	131.5
145	30.9	25.4	38.0



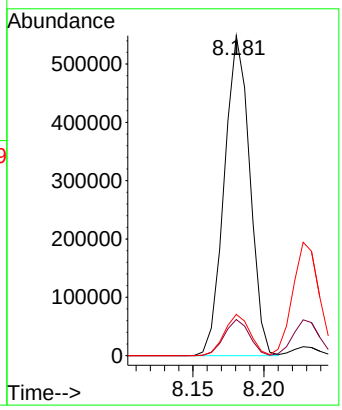


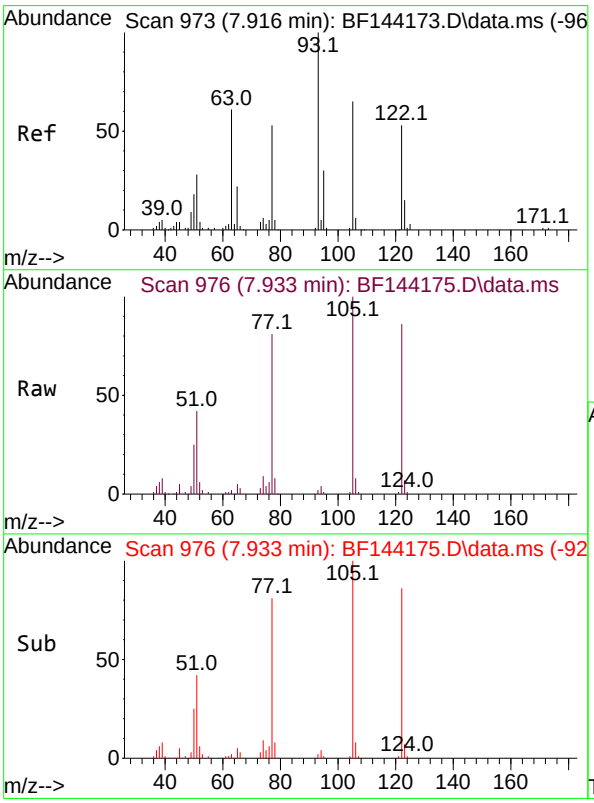
#31
Naphthalene
Concen: 60.028 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 684579

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	12.9	10.3	15.5

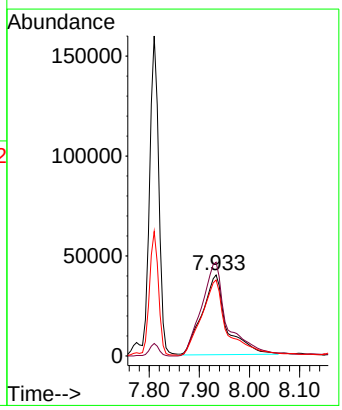


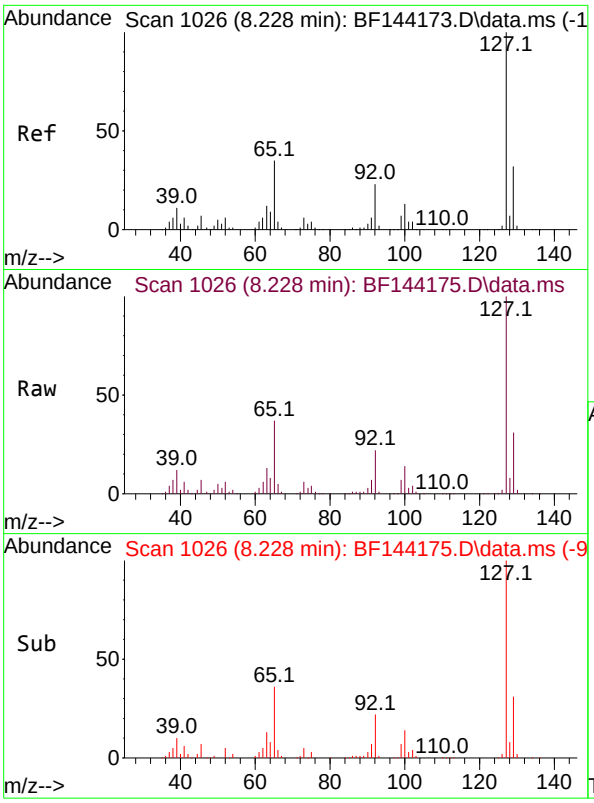


#32
Benzoic acid
Concen: 55.761 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.018 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:122 Resp: 136682

Ion	Ratio	Lower	Upper
122	100		
105	115.8	99.9	139.9
77	93.8	77.5	117.5



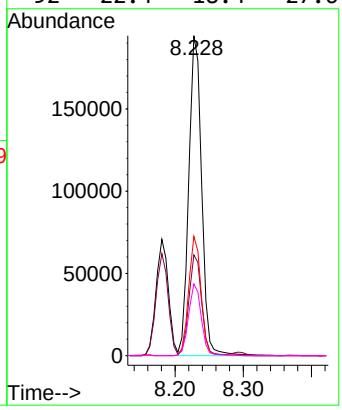


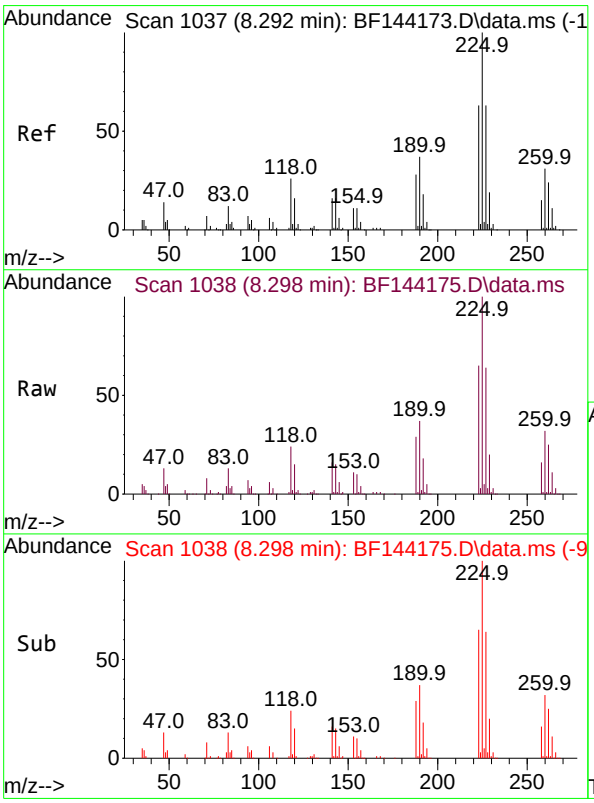
#33
4-Chloroaniline
Concen: 61.441 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 255554

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.3	37.9
65	37.2	27.6	41.4
92	22.4	18.4	27.6

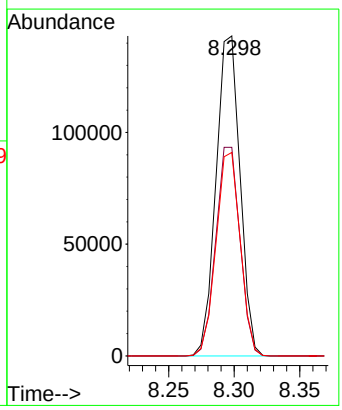


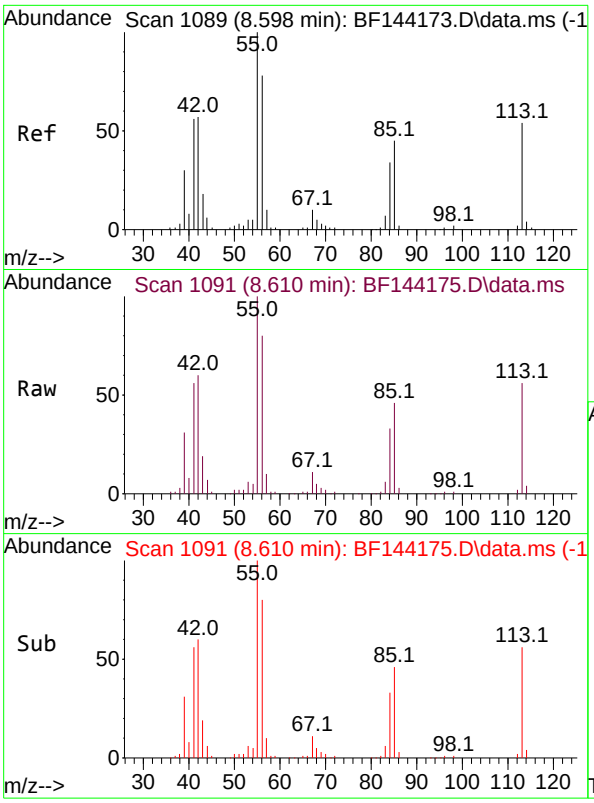


#34
Hexachlorobutadiene
Concen: 61.229 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:225 Resp: 182626

Ion	Ratio	Lower	Upper
225	100		
223	65.2	50.2	75.4
227	63.6	50.1	75.1



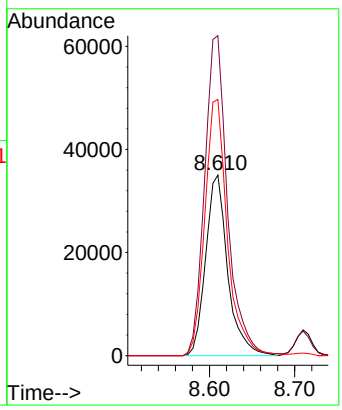


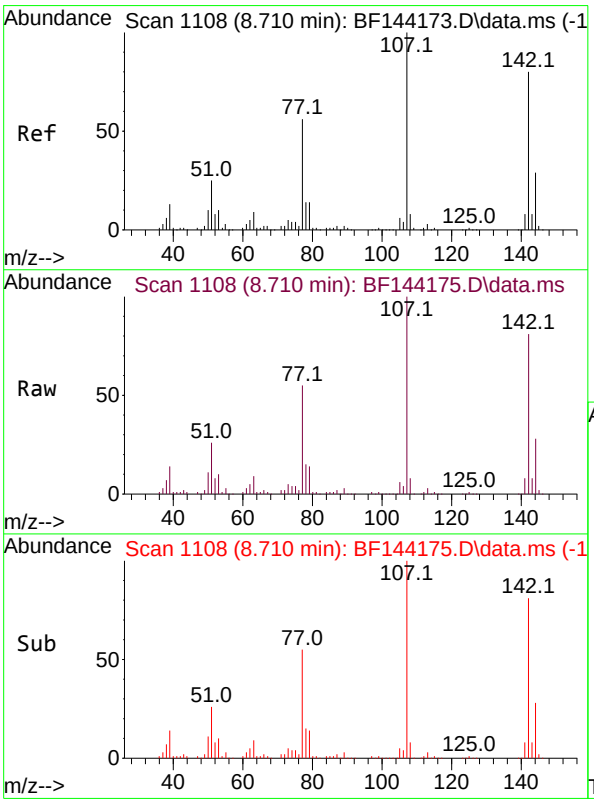
#35
Caprolactam
Concen: 59.512 ng
RT: 8.610 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 62840

Ion	Ratio	Lower	Upper
113	100		
55	177.2	166.8	206.8
56	141.8	125.9	165.9

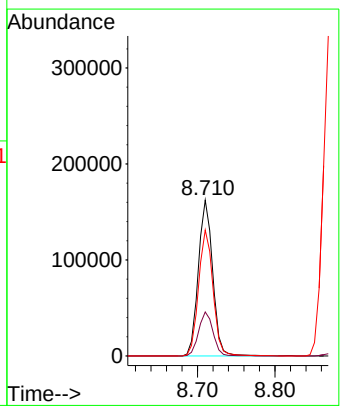


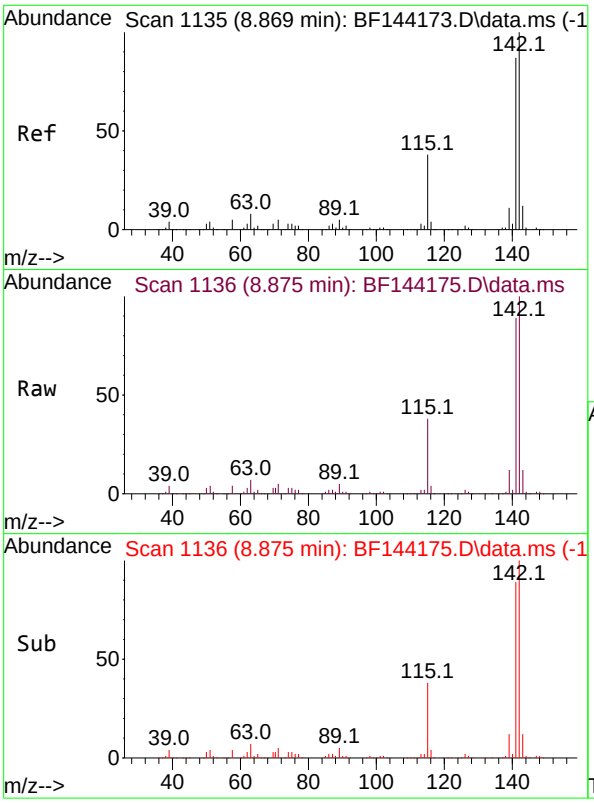


#36
4-Chloro-3-methylphenol
Concen: 60.481 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:107 Resp: 208910

Ion	Ratio	Lower	Upper
107	100		
144	28.2	23.3	34.9
142	80.8	63.8	95.6



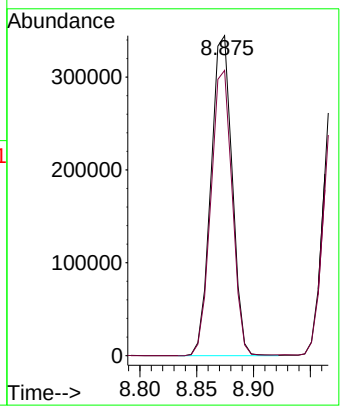


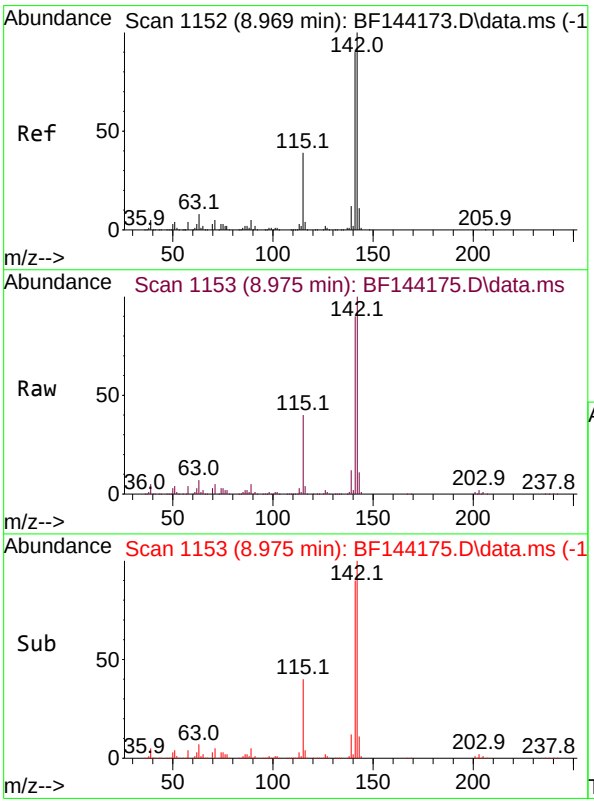
#37
2-Methylnaphthalene
Concen: 58.743 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 447909

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.9	104.9

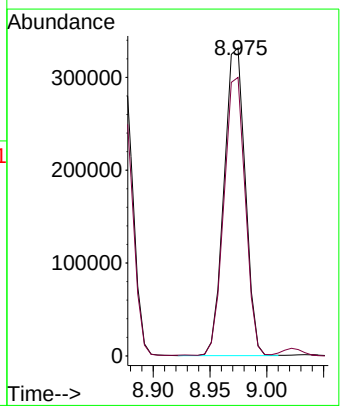


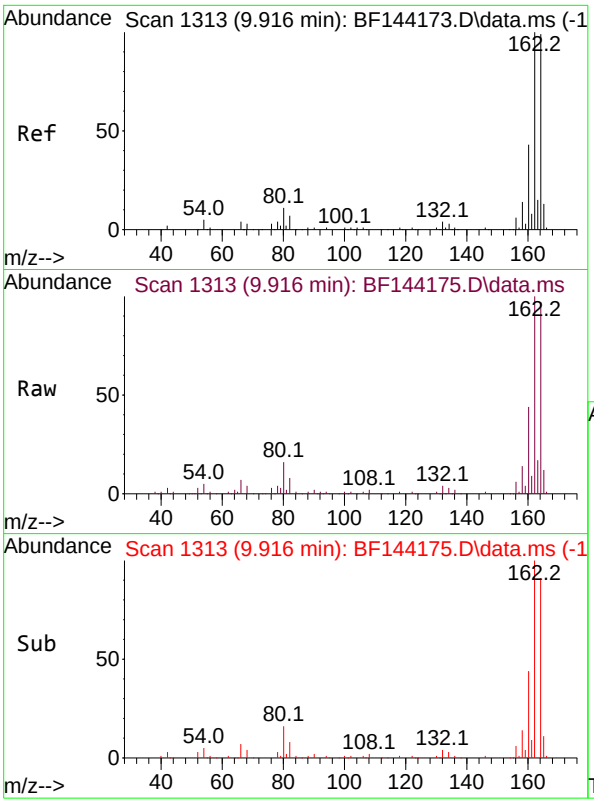


#38
1-Methylnaphthalene
Concen: 58.654 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:142 Resp: 431529

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.1	108.1



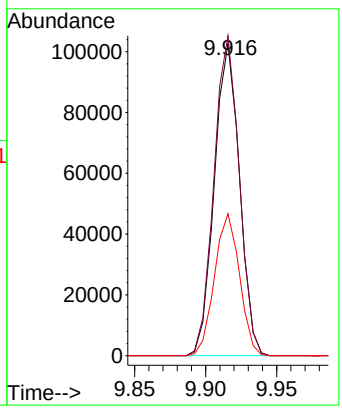


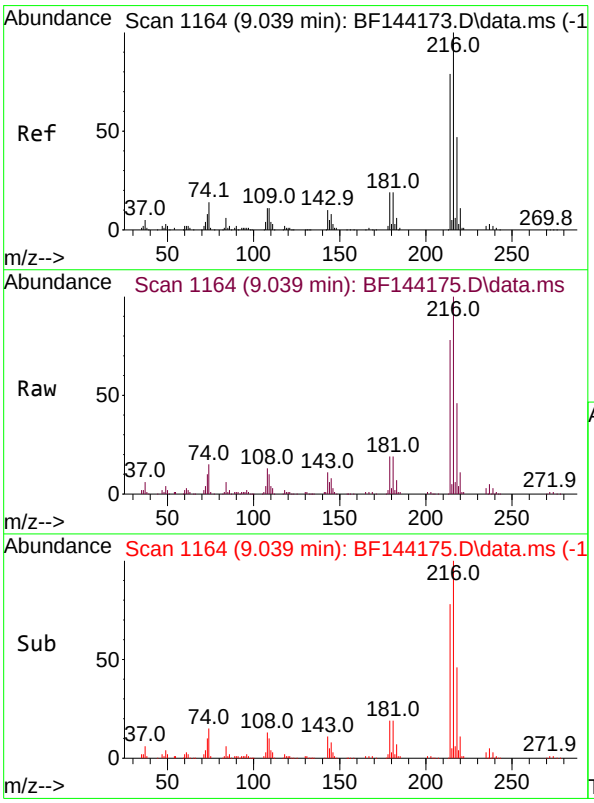
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 126385

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.1	121.7
160	45.5	34.5	51.7

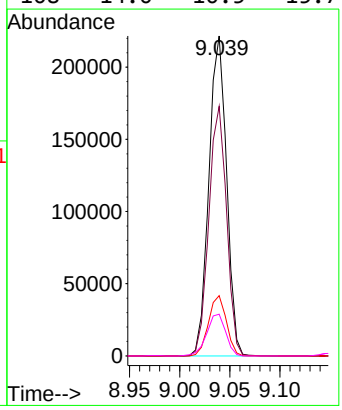


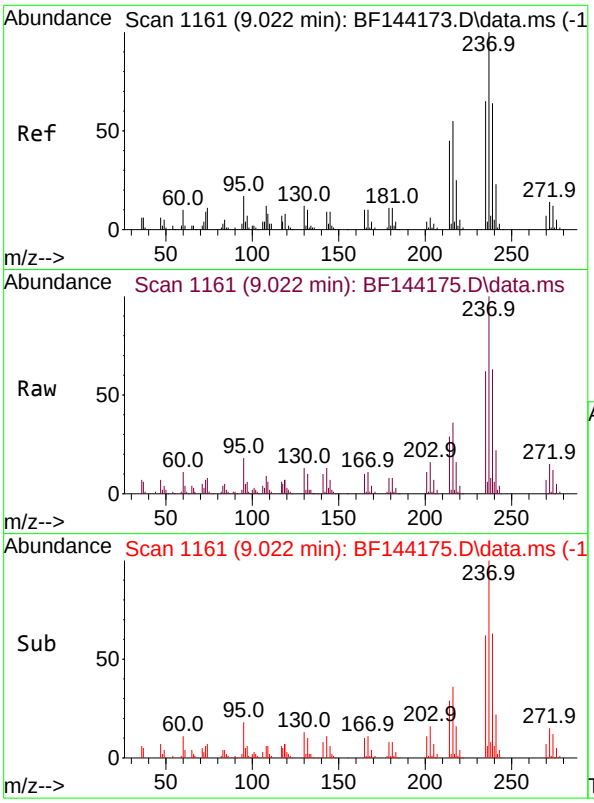


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.549 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:216 Resp: 271508

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.2
179	19.0	15.0	22.4
108	14.0	10.5	15.7



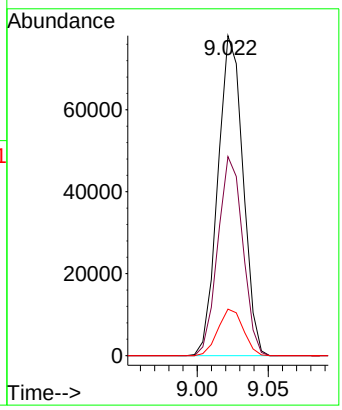


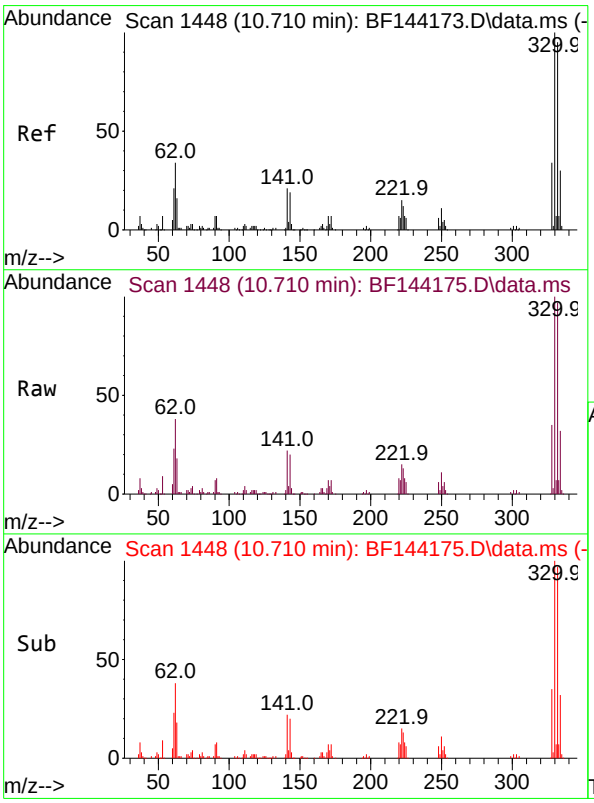
#41
Hexachlorocyclopentadiene
Concen: 64.419 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 95909

Ion	Ratio	Lower	Upper
237	100		
235	62.2	45.5	85.5
272	14.5	0.0	33.5

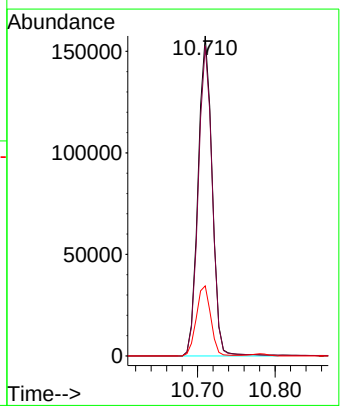


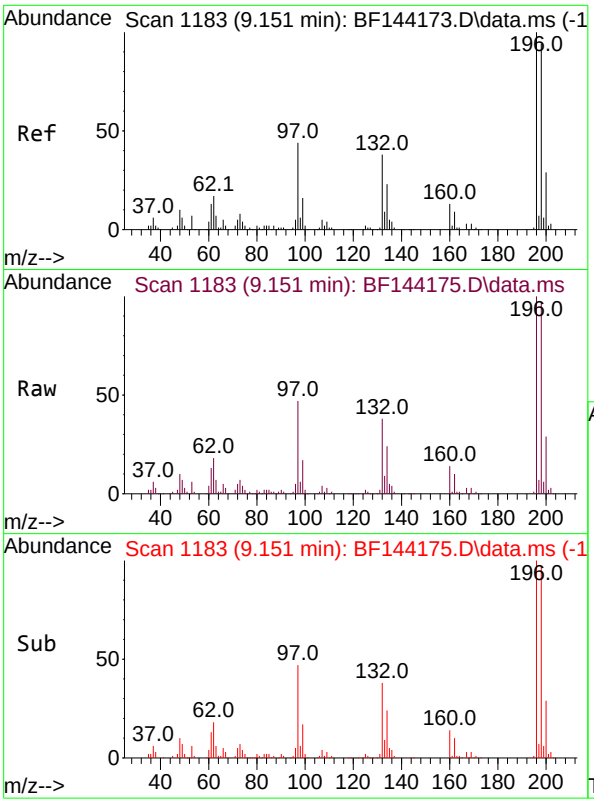


#42
2,4,6-Tribromophenol
Concen: 124.986 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:330 Resp: 198226

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	22.5	17.8	26.8



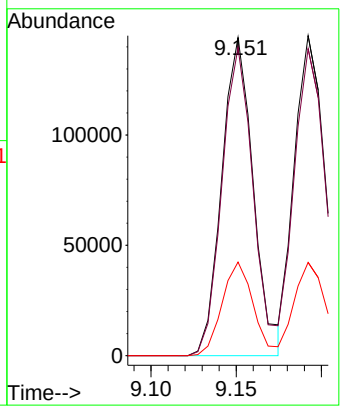


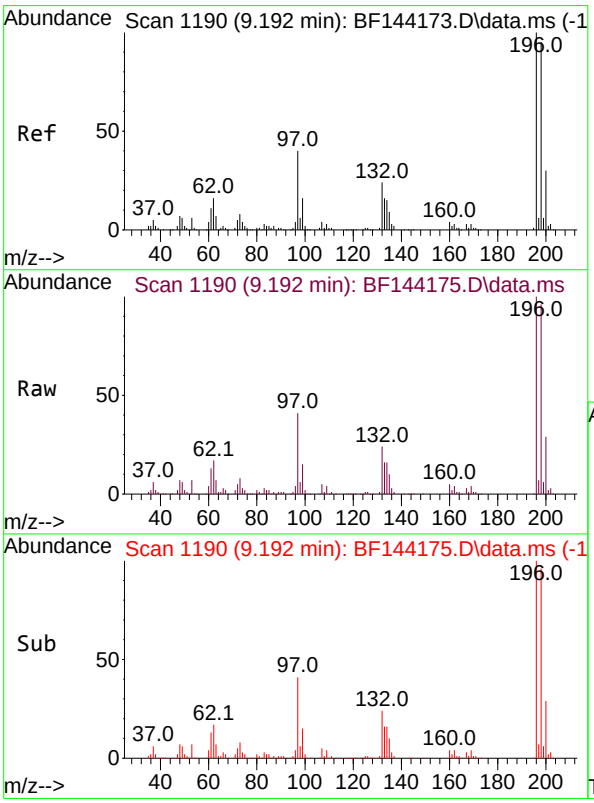
#43
2,4,6-Trichlorophenol
Concen: 65.769 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 185412

Ion	Ratio	Lower	Upper
196	100		
198	96.9	75.3	112.9
200	29.4	23.4	35.2

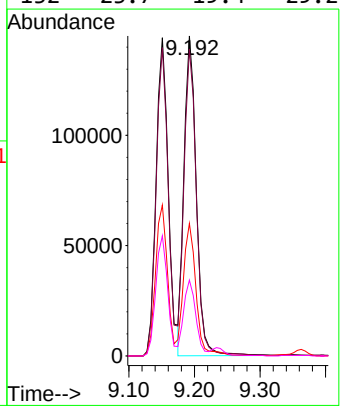


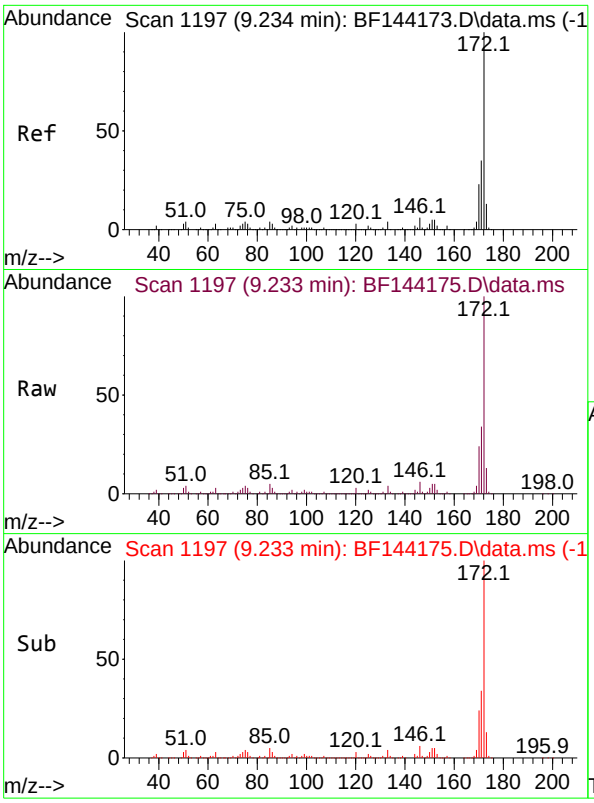


#44
2,4,5-Trichlorophenol
Concen: 62.639 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:196 Resp: 190324

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.1	114.1
97	41.4	31.9	47.9
132	23.7	19.4	29.2



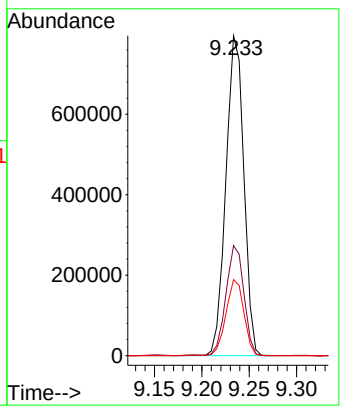


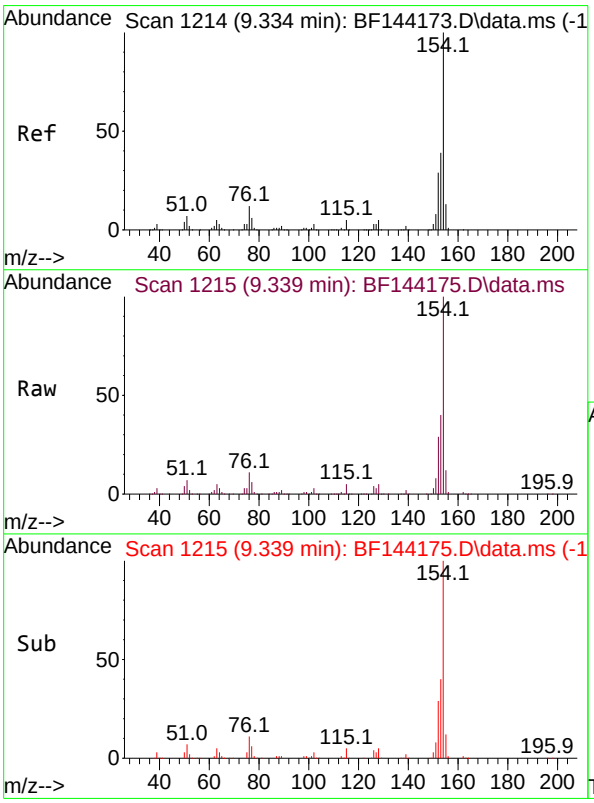
#45
2-Fluorobiphenyl
Concen: 122.404 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1047440

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.1	42.1
170	23.7	18.6	28.0

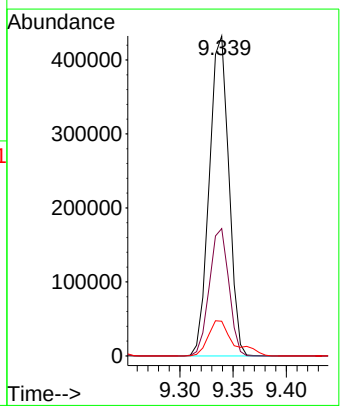


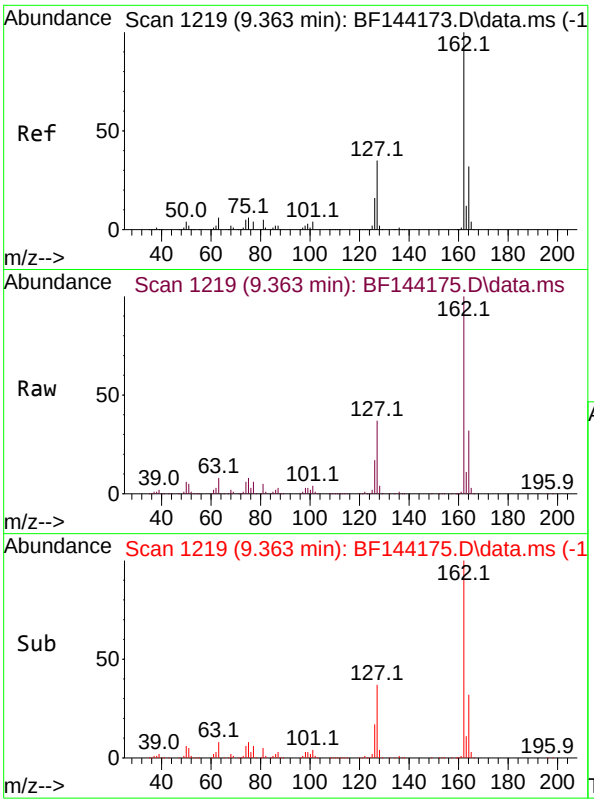


#46
1,1'-Biphenyl
Concen: 62.310 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:154 Resp: 549700

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.2	59.2
76	10.8	0.0	31.8



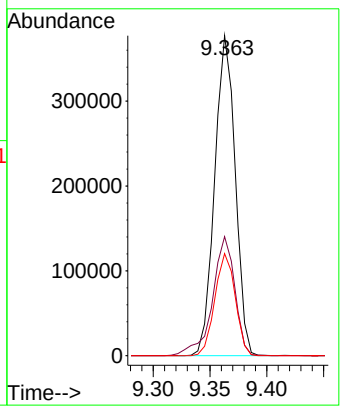


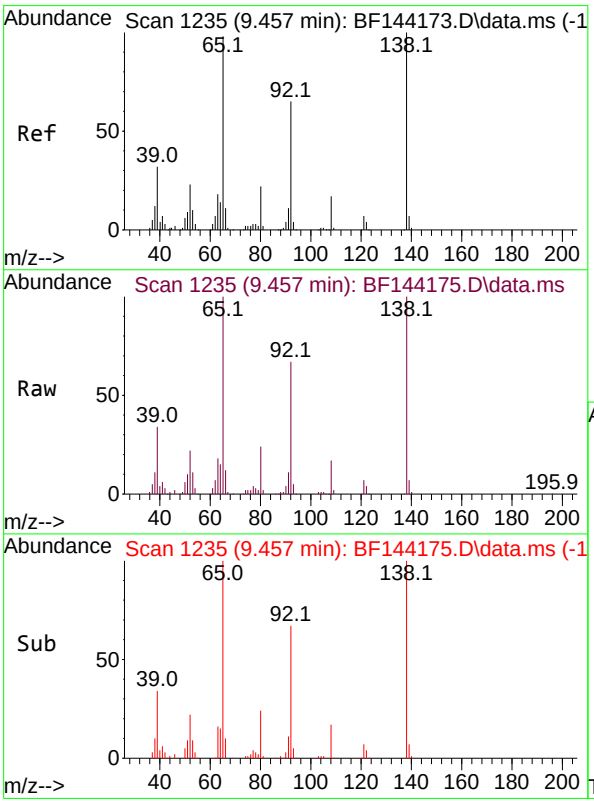
#47
2-Chloronaphthalene
Concen: 63.056 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 474514

Ion	Ratio	Lower	Upper
162	100		
127	37.2	28.8	43.2
164	31.9	25.8	38.8

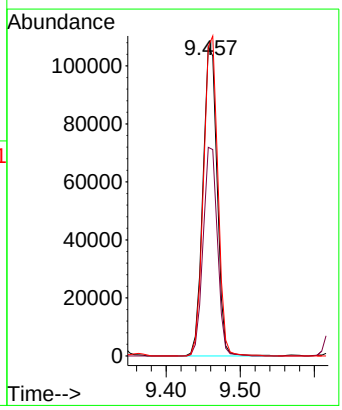


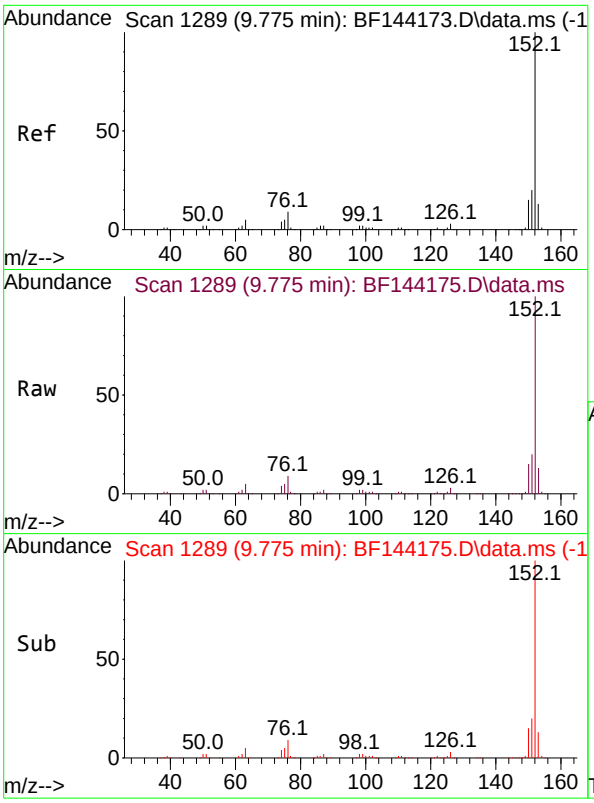


#48
2-Nitroaniline
Concen: 65.370 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion: 65 Resp: 141938

Ion	Ratio	Lower	Upper
65	100		
92	67.5	53.0	79.6
138	100.0	81.6	122.4



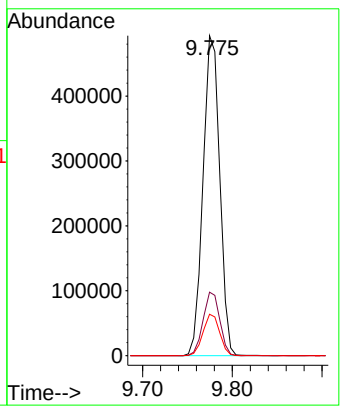


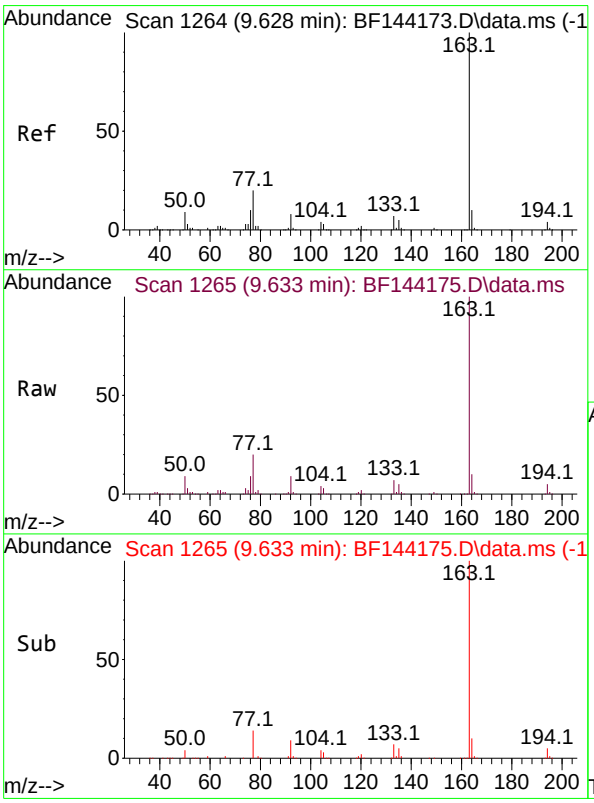
#49
Acenaphthylene
Concen: 62.050 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 636324

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.9	10.5	15.7

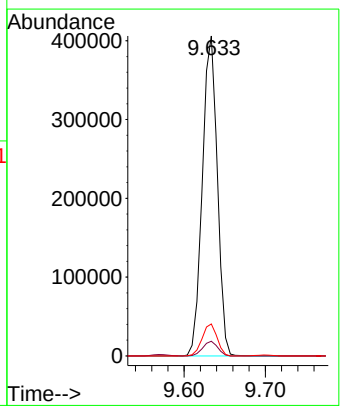


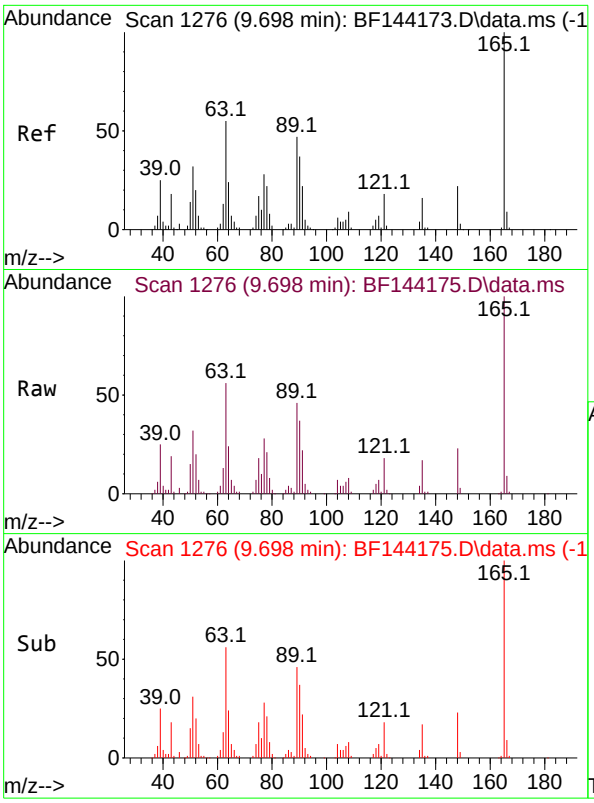


#50
Dimethylphthalate
Concen: 62.250 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:163 Resp: 521205

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.0	8.1	12.1



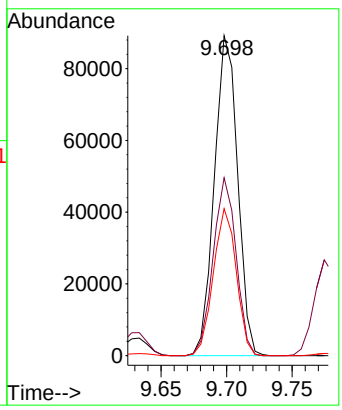


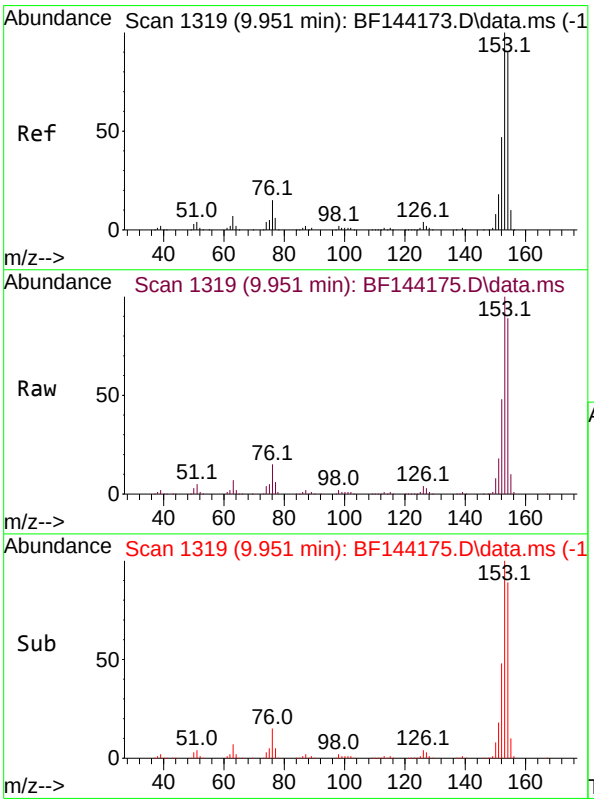
#51
2,6-Dinitrotoluene
Concen: 64.983 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 110140

Ion	Ratio	Lower	Upper
165	100		
63	55.6	43.8	65.8
89	45.9	37.5	56.3

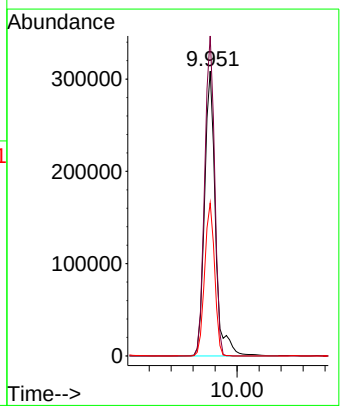


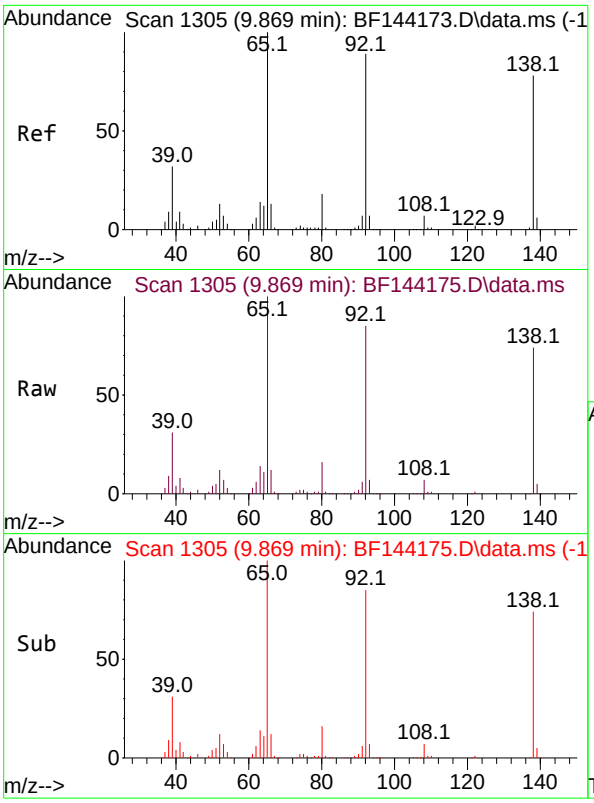


#52
Acenaphthene
Concen: 61.778 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:154 Resp: 423653

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.0	133.4
152	53.7	42.2	63.4



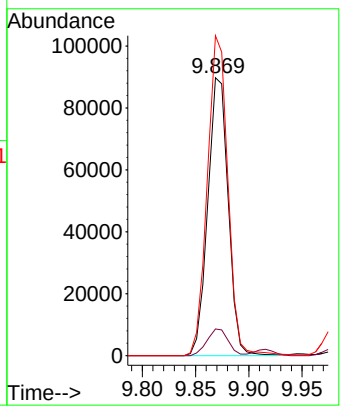


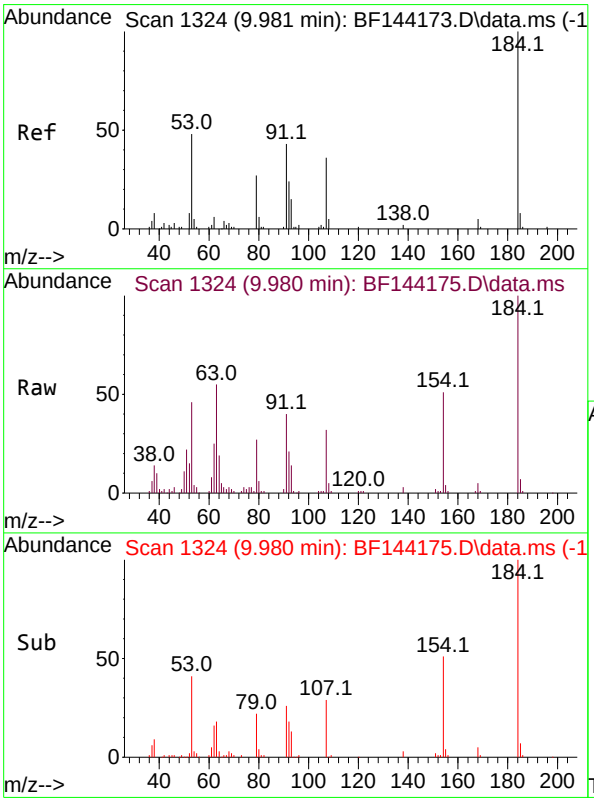
#53
3-Nitroaniline
Concen: 64.749 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 119967

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.5	11.3
92	115.2	91.8	137.6

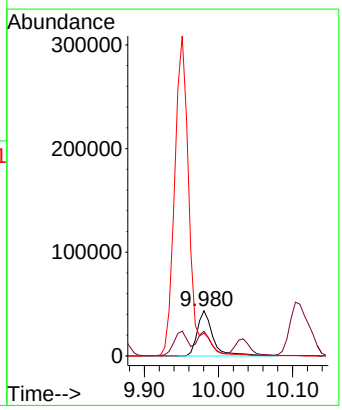


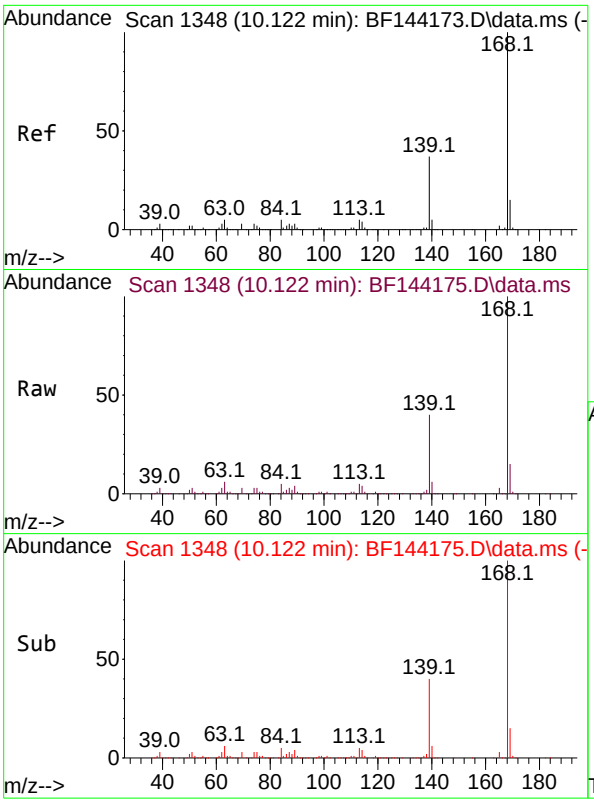


#54
2,4-Dinitrophenol
Concen: 62.138 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:184 Resp: 63597

Ion	Ratio	Lower	Upper
184	100		
63	54.7	44.0	66.0
154	50.8	42.4	63.6



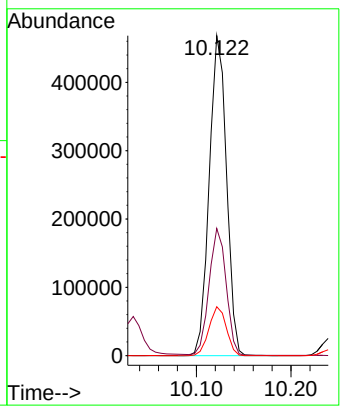


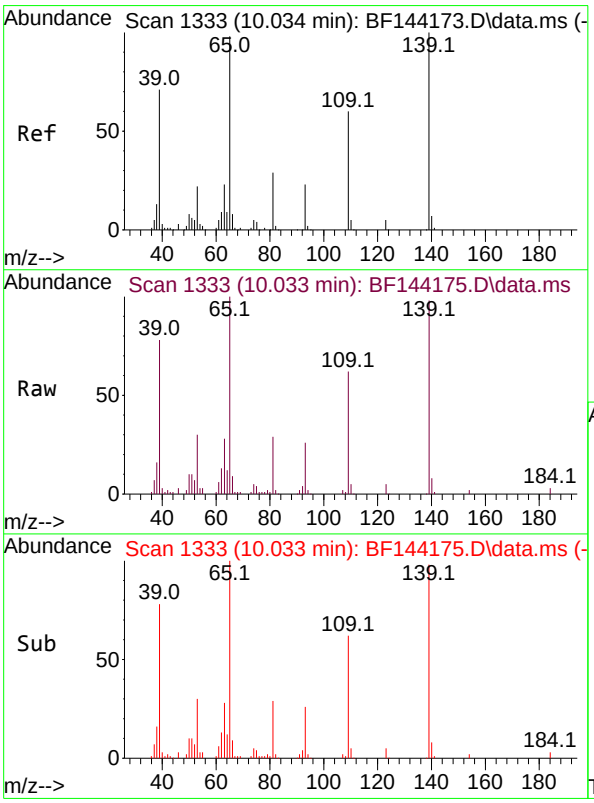
#55
Dibenzofuran
Concen: 61.680 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 592400

Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.2	45.2
169	15.3	12.2	18.4

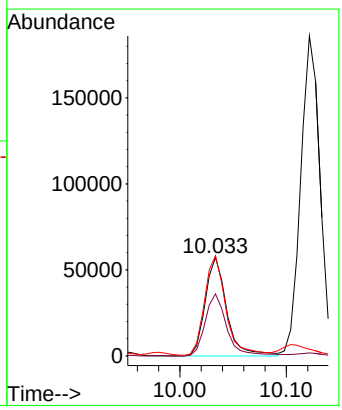


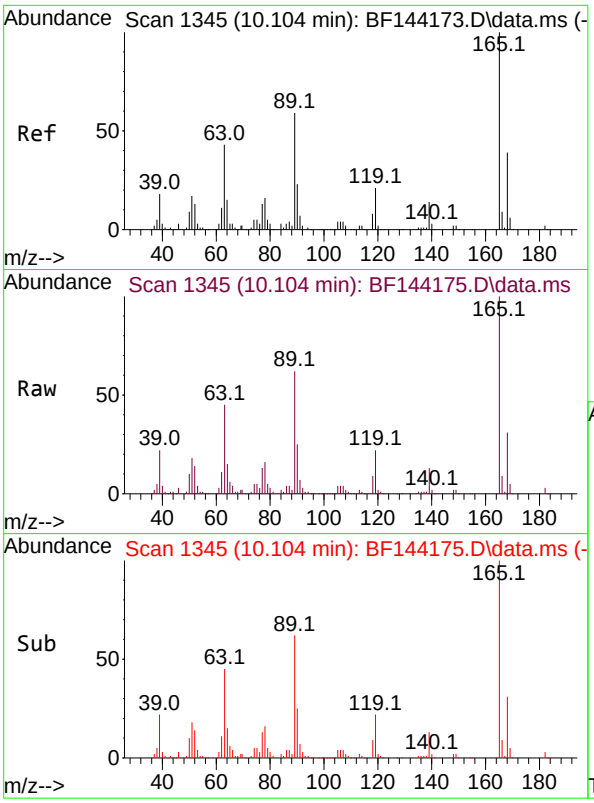


#56
4-Nitrophenol
Concen: 59.812 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:139 Resp: 80163

Ion	Ratio	Lower	Upper
139	100		
109	63.0	39.9	79.9
65	101.8	79.5	119.5



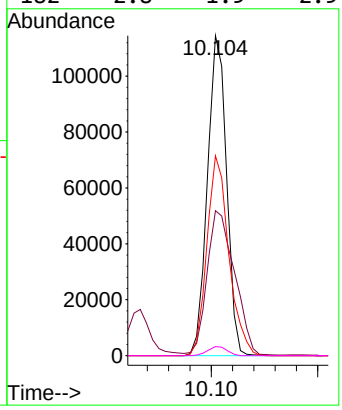


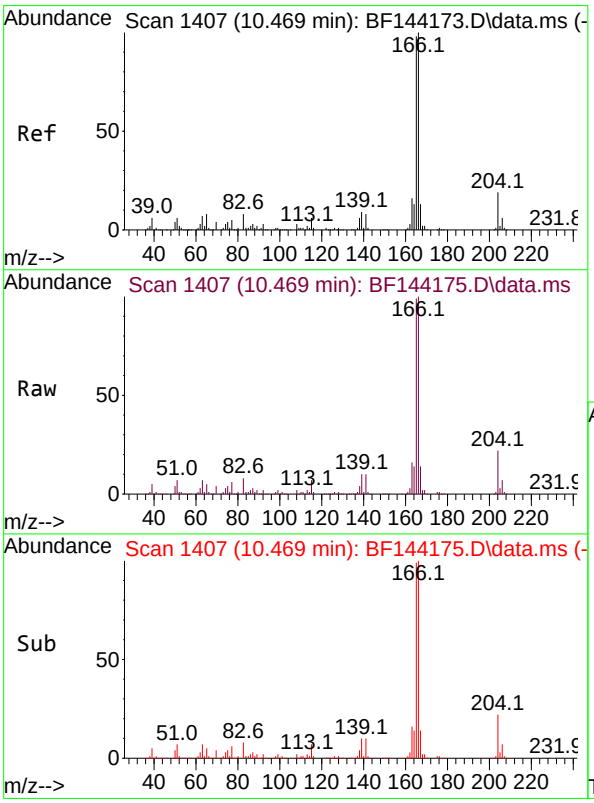
#57
2,4-Dinitrotoluene
Concen: 62.984 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 142910

Ion	Ratio	Lower	Upper
165	100		
63	45.3	35.5	53.3
89	62.4	47.4	71.2
182	2.8	1.9	2.9

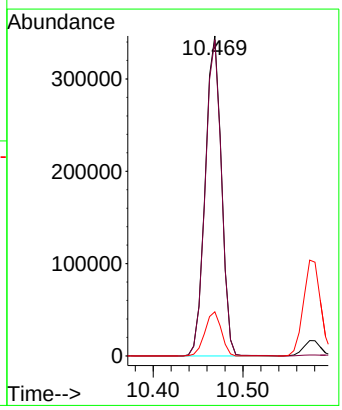


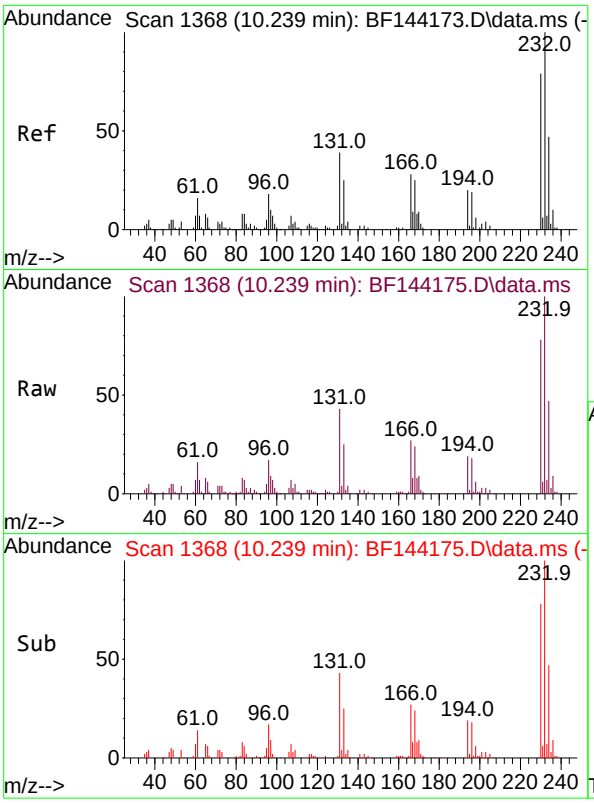


#58
Fluorene
Concen: 59.664 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:166 Resp: 435687

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	13.8	10.4	15.6



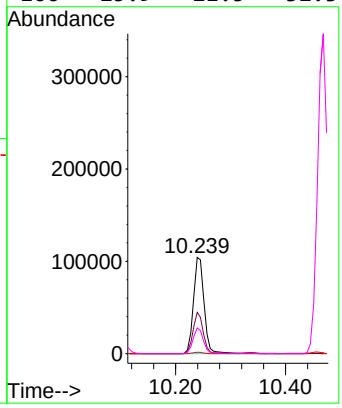


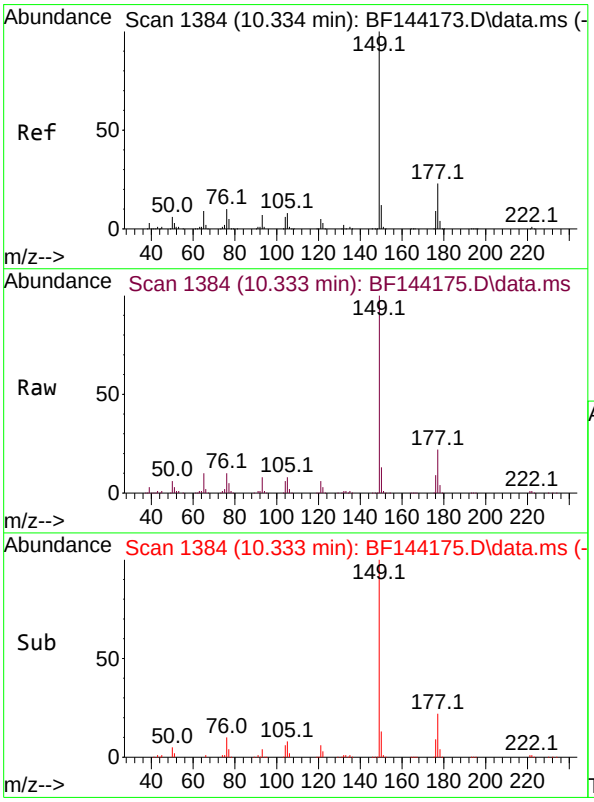
#59
2,3,4,6-Tetrachlorophenol
Concen: 65.569 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 140953

Ion	Ratio	Lower	Upper
232	100		
131	40.7	30.3	45.5
130	1.3	1.2	1.8
166	25.9	21.5	32.3

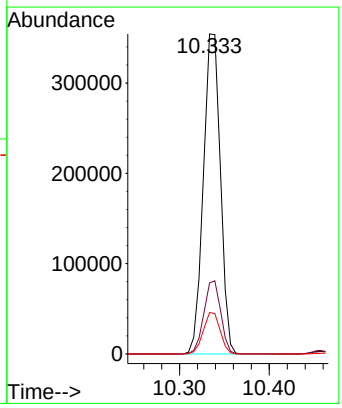


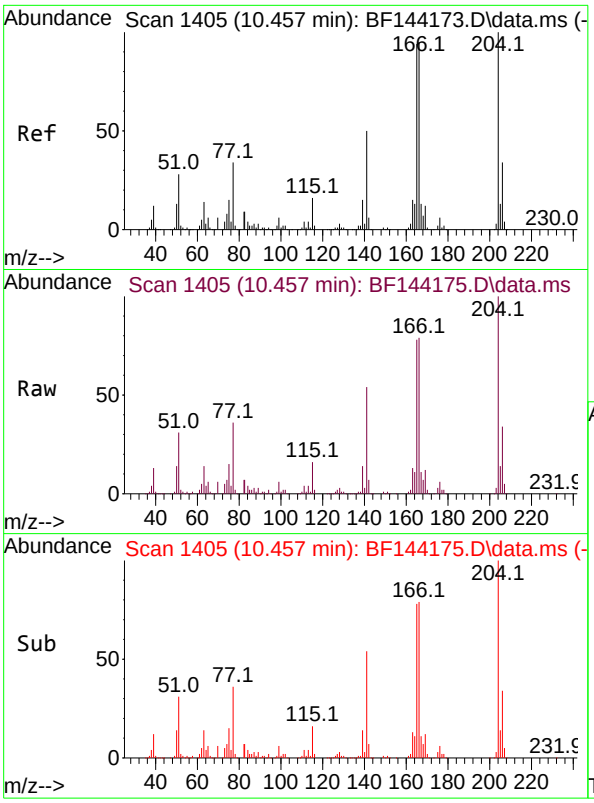


#60
Diethylphthalate
Concen: 60.755 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 468931

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.3	27.5
150	12.9	9.8	14.6



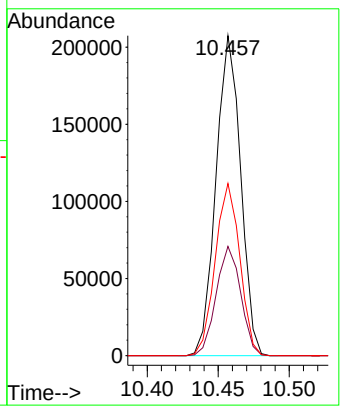


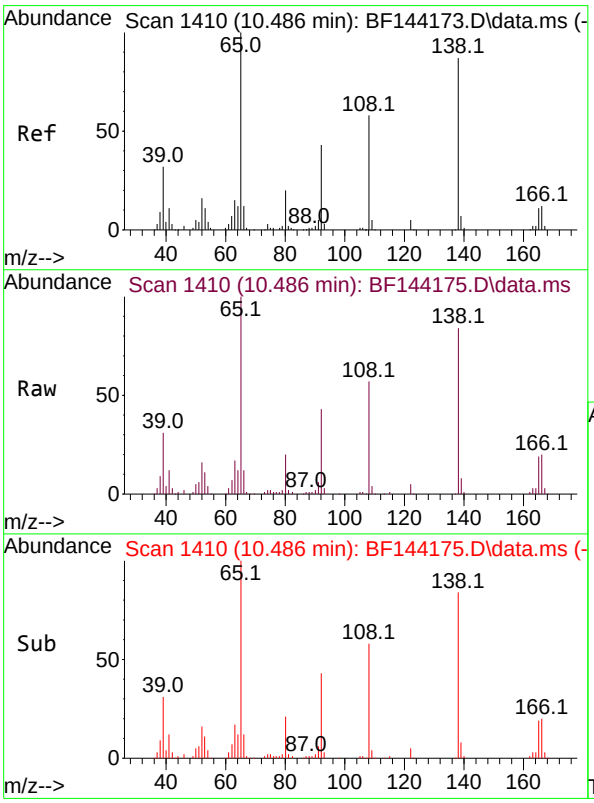
#61
4-Chlorophenyl-phenylether
Concen: 60.068 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 249857

Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.4	41.2
141	53.8	40.0	60.0

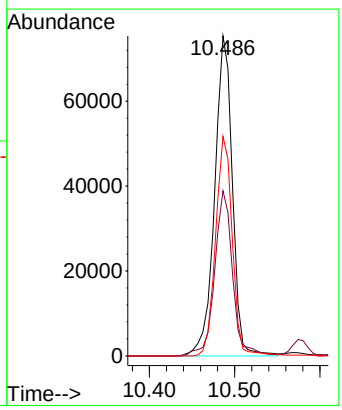


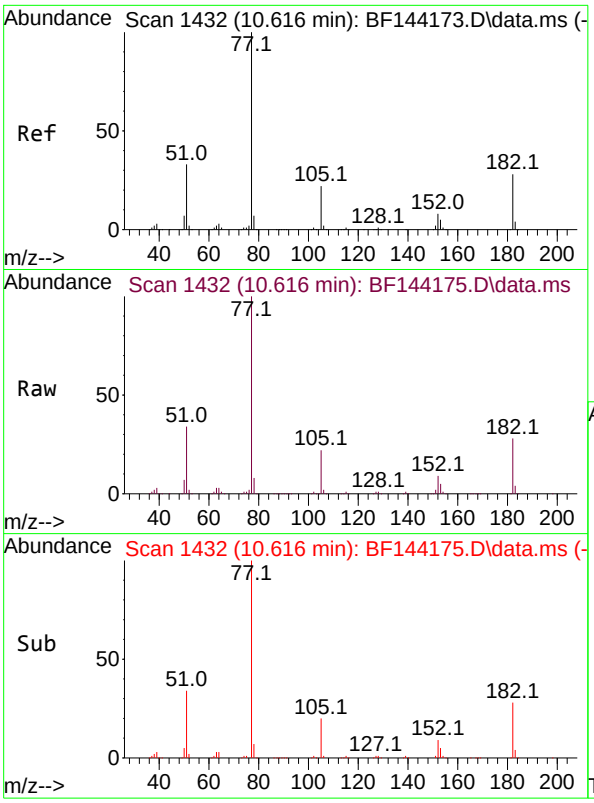


#62
4-Nitroaniline
Concen: 61.862 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:138 Resp: 109153

Ion	Ratio	Lower	Upper
138	100		
92	51.6	29.4	69.4
108	68.6	46.4	86.4



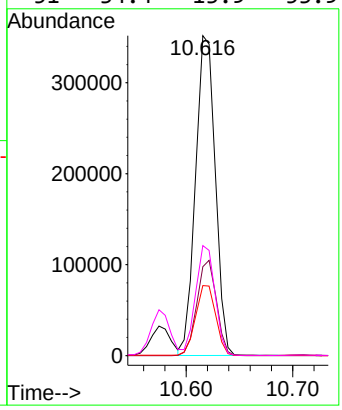


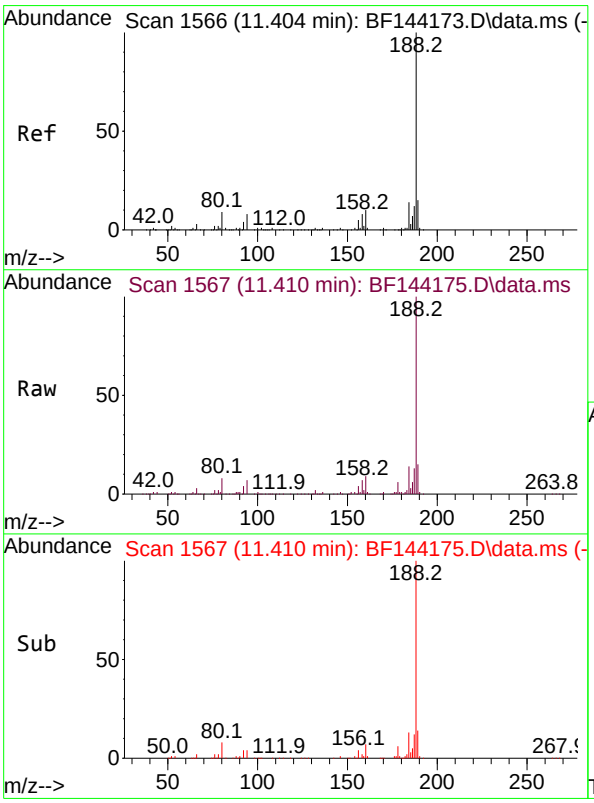
#63
Azobenzene
Concen: 63.187 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 453890

Ion	Ratio	Lower	Upper
77	100		
182	27.8	8.1	48.1
105	21.9	2.0	42.0
51	34.4	13.9	53.9

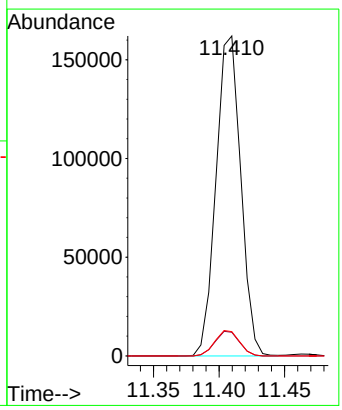


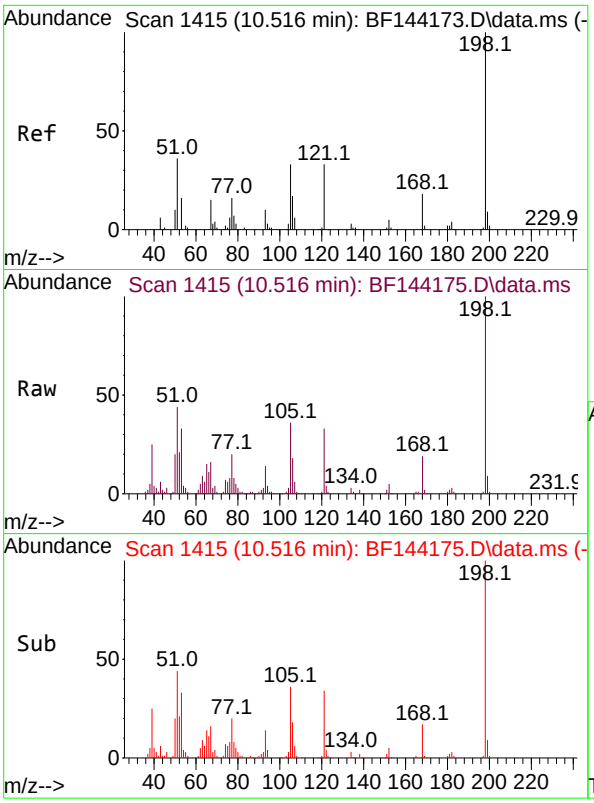


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:188 Resp: 213136

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.2	9.2
80	7.6	6.9	10.3



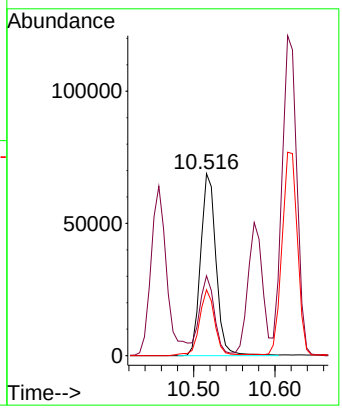


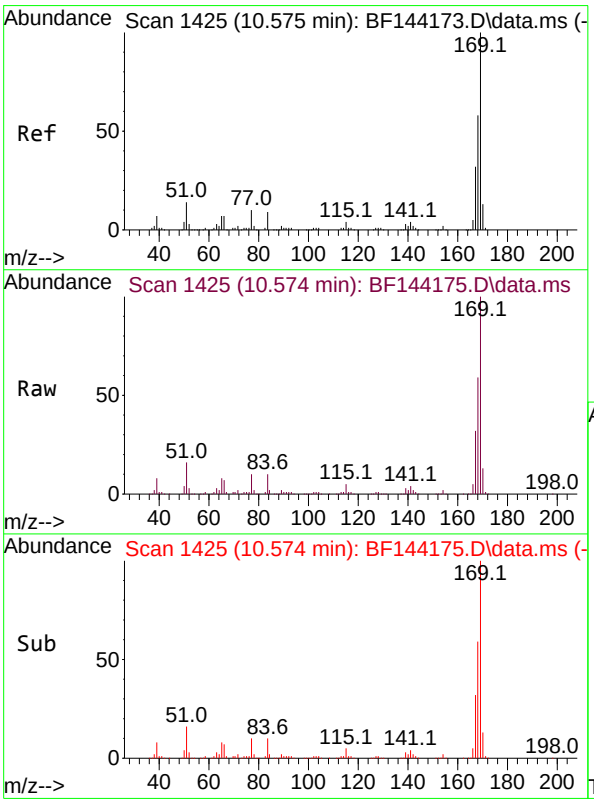
#65
4,6-Dinitro-2-methylphenol
Concen: 62.727 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 90823

Ion	Ratio	Lower	Upper
198	100		
51	43.8	25.6	65.6
105	36.2	14.6	54.6

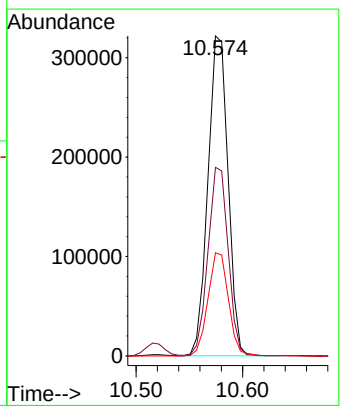


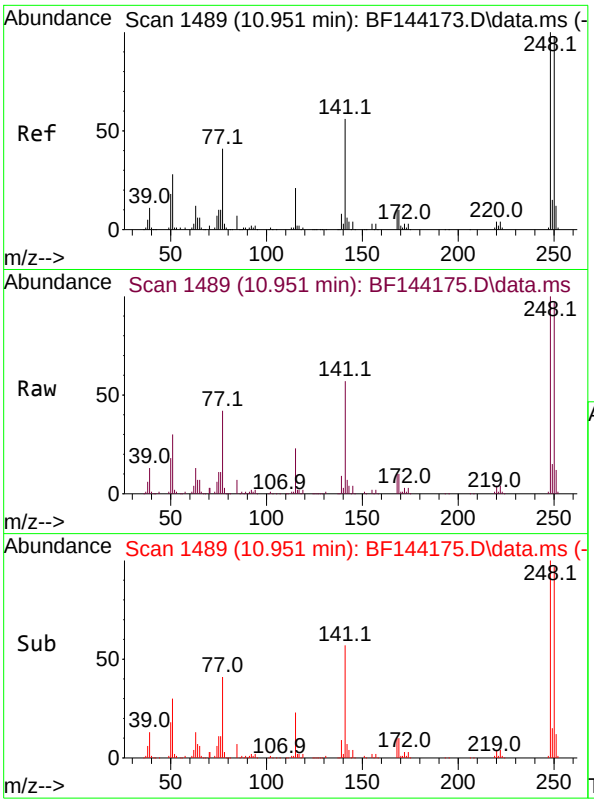


#66
n-Nitrosodiphenylamine
Concen: 61.520 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:169 Resp: 421720

Ion	Ratio	Lower	Upper
169	100		
168	58.9	46.2	69.2
167	32.2	25.7	38.5



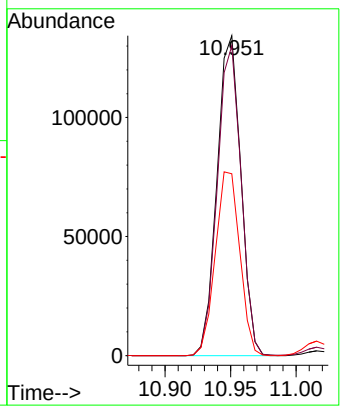


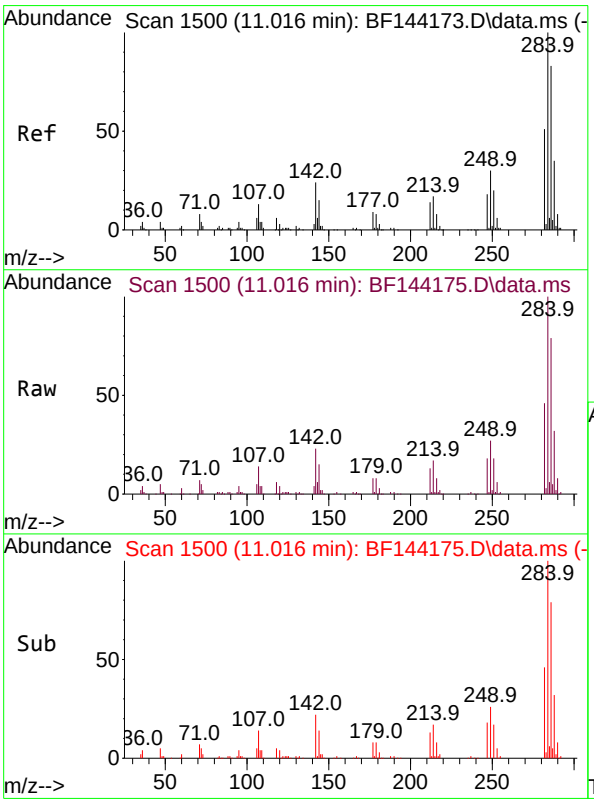
#67
4-Bromophenyl-phenylether
Concen: 62.634 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 170395

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.4	117.6
141	56.8	45.1	67.7

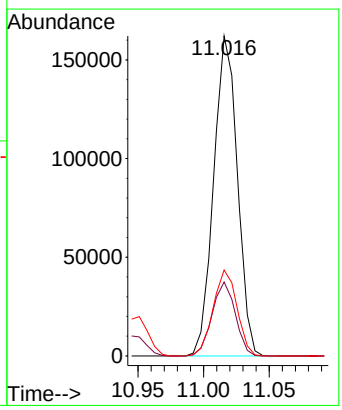


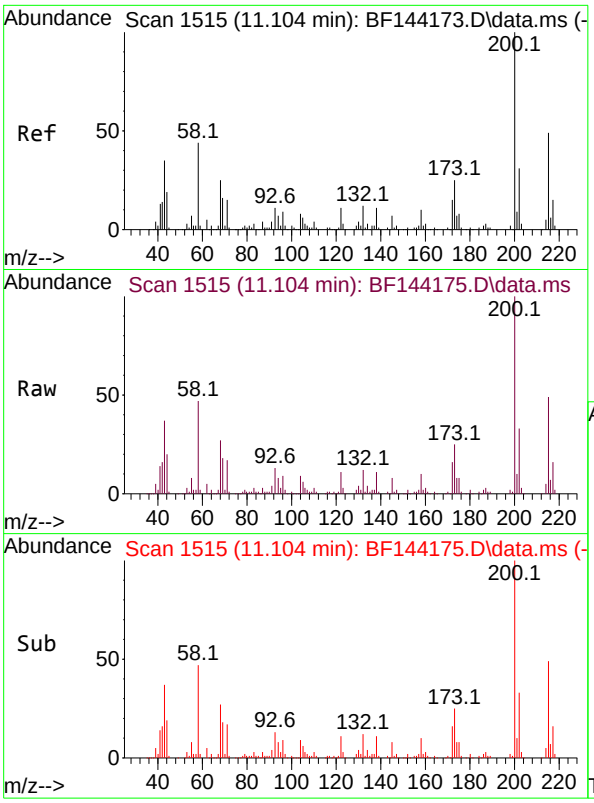


#68
Hexachlorobenzene
Concen: 63.744 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:284 Resp: 204258

Ion	Ratio	Lower	Upper
284	100		
142	23.1	19.2	28.8
249	26.8	23.8	35.8



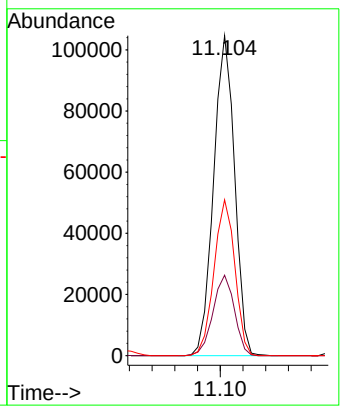


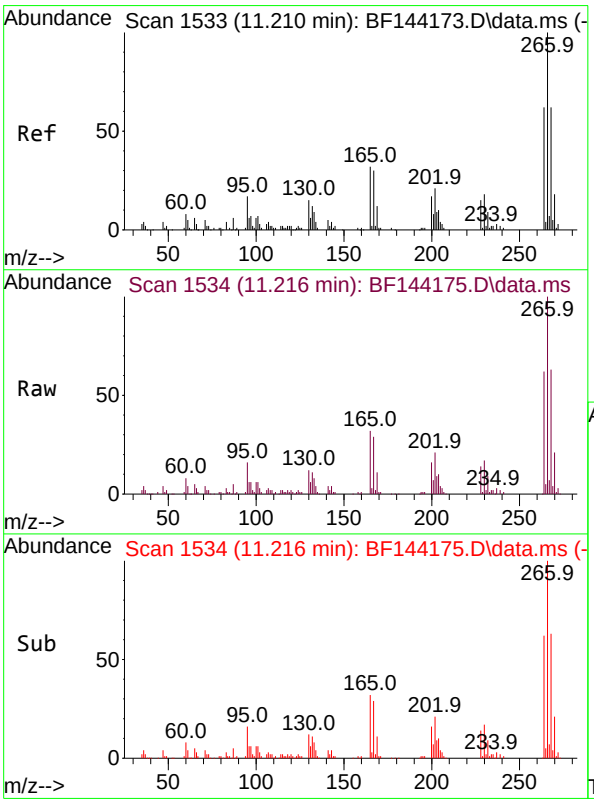
#69
Atrazine
Concen: 61.467 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 134002

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.0	45.0
215	48.7	28.7	68.7

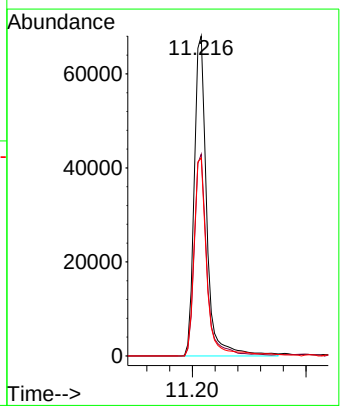


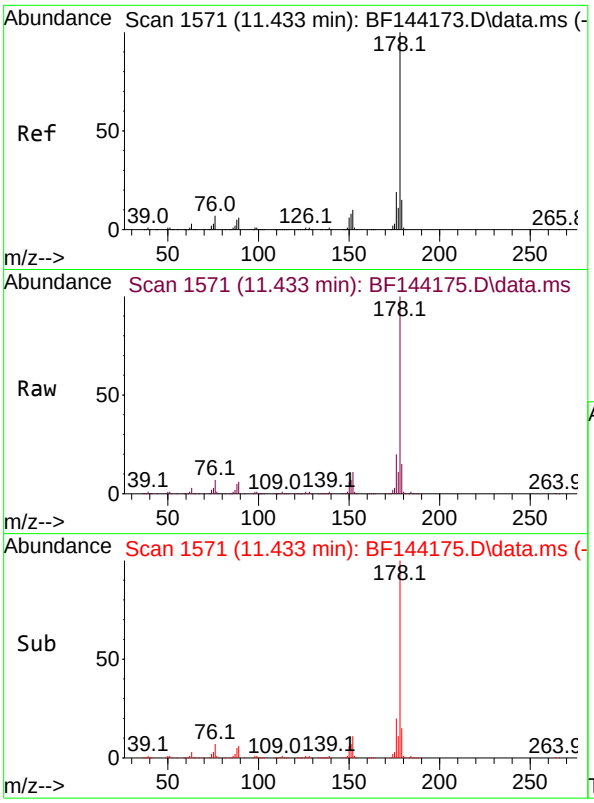


#70
Pentachlorophenol
Concen: 64.842 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:266 Resp: 103466

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.5	74.3
264	61.8	49.4	74.2



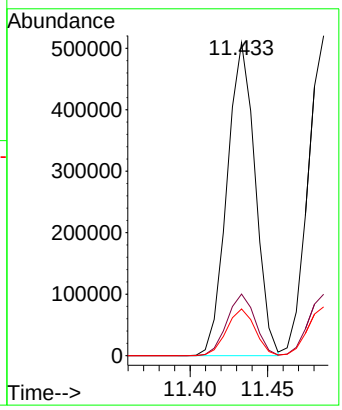


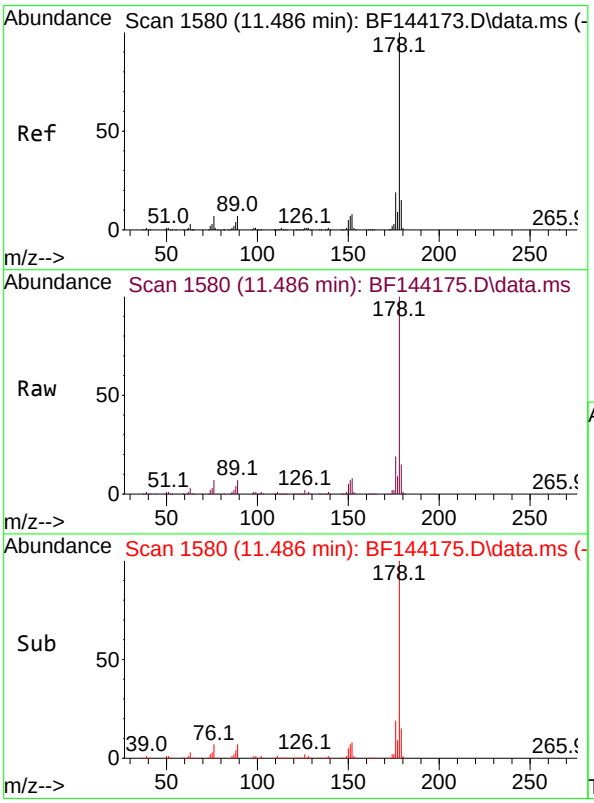
#71
Phenanthrene
Concen: 60.448 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 641461

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	14.9	12.2	18.4

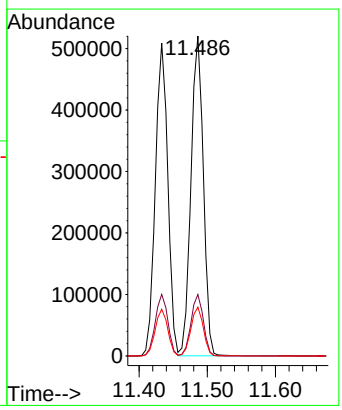


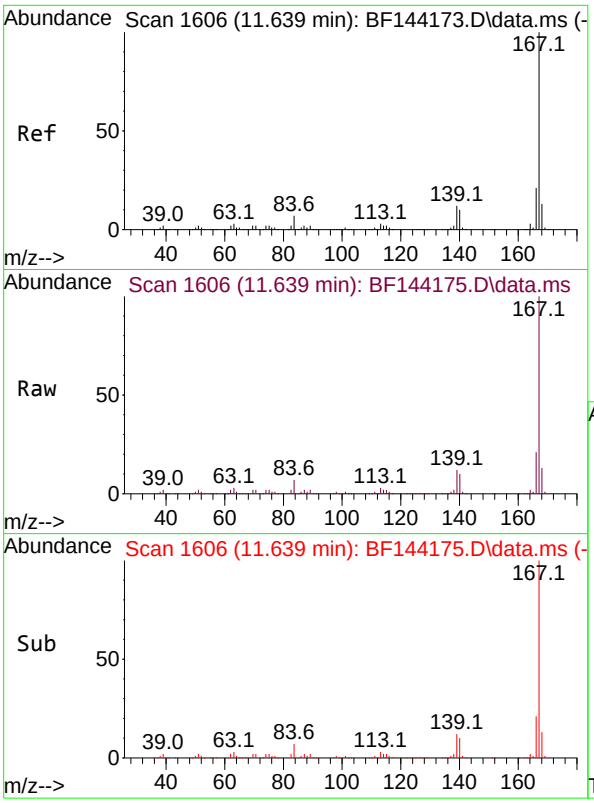


#72
Anthracene
Concen: 60.871 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:178 Resp: 656819

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.0	18.0



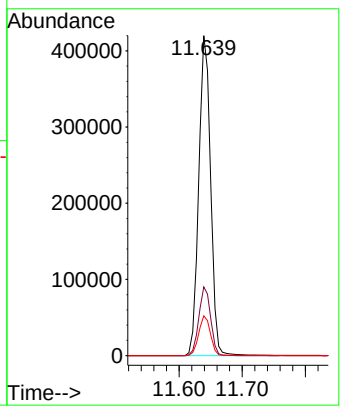


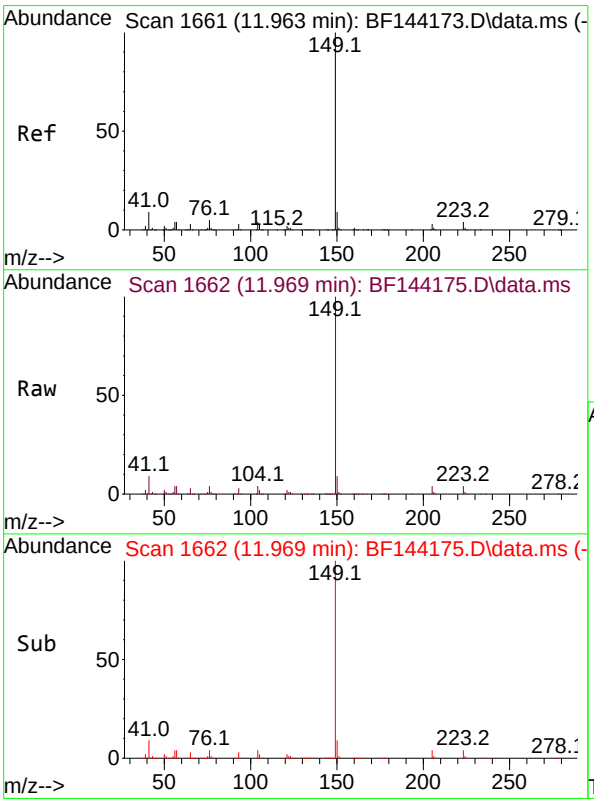
#73
Carbazole
Concen: 59.542 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 546322

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.4	9.9	14.9

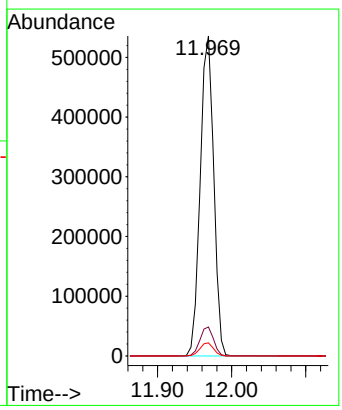


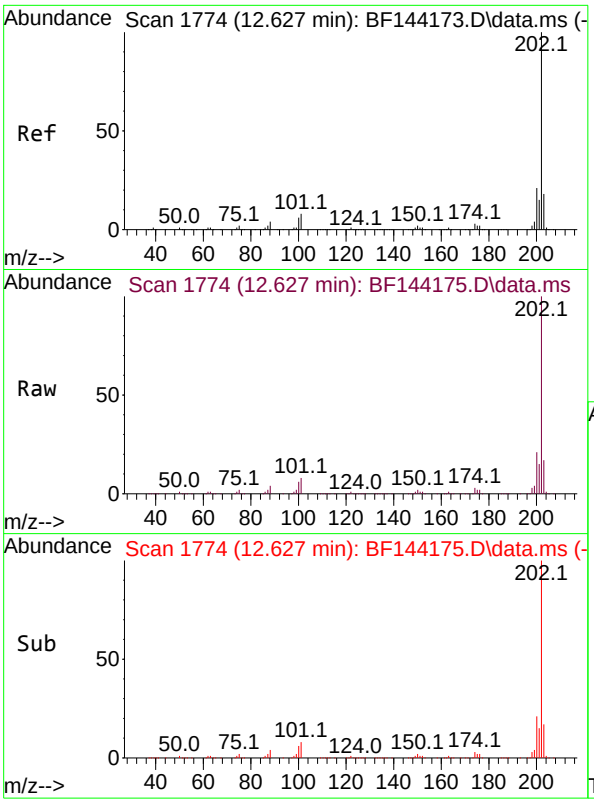


#74
Di-n-butylphthalate
Concen: 61.075 ng
RT: 11.969 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 677444

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	4.1	3.4	5.2



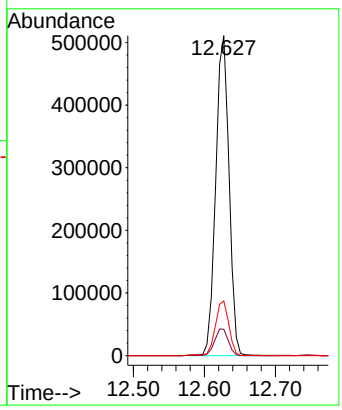


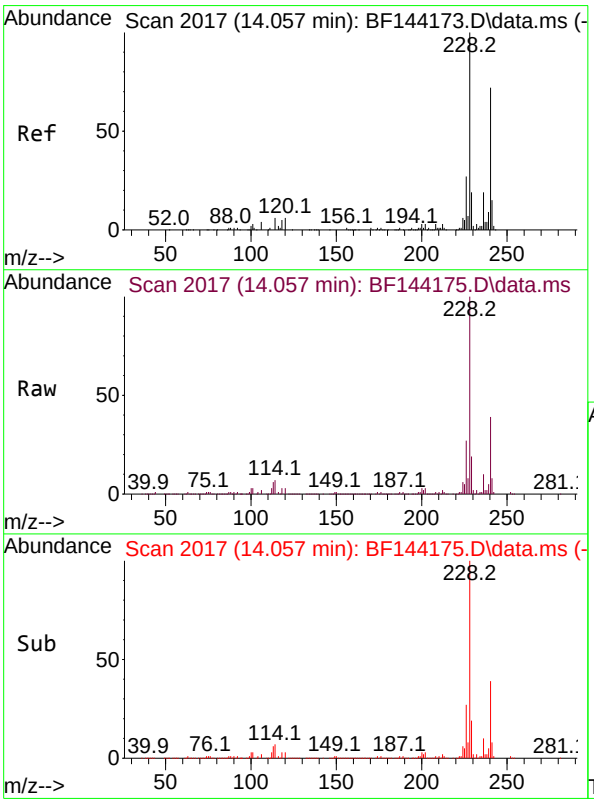
#75
Fluoranthene
Concen: 60.849 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 667021

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.9
203	17.1	0.0	37.5

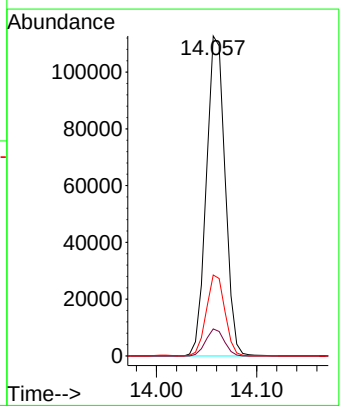


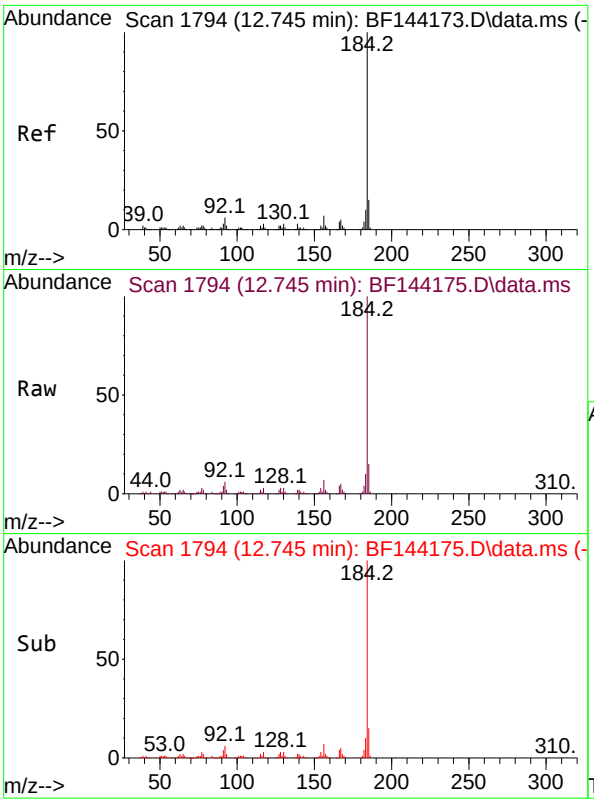


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:240 Resp: 145867

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.6	10.0
236	25.3	21.4	32.2



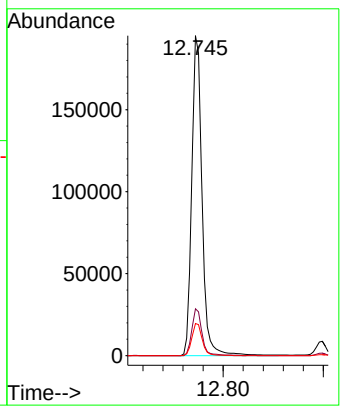


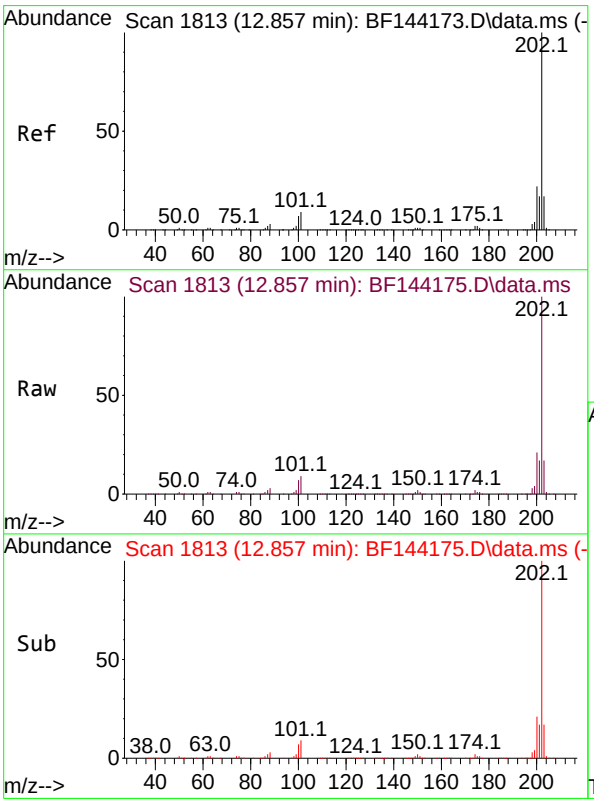
#77
Benzidine
Concen: 64.368 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 277725

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	10.0	8.3	12.5

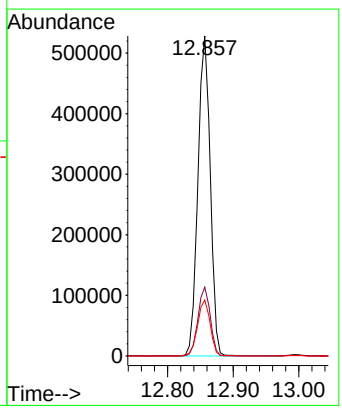


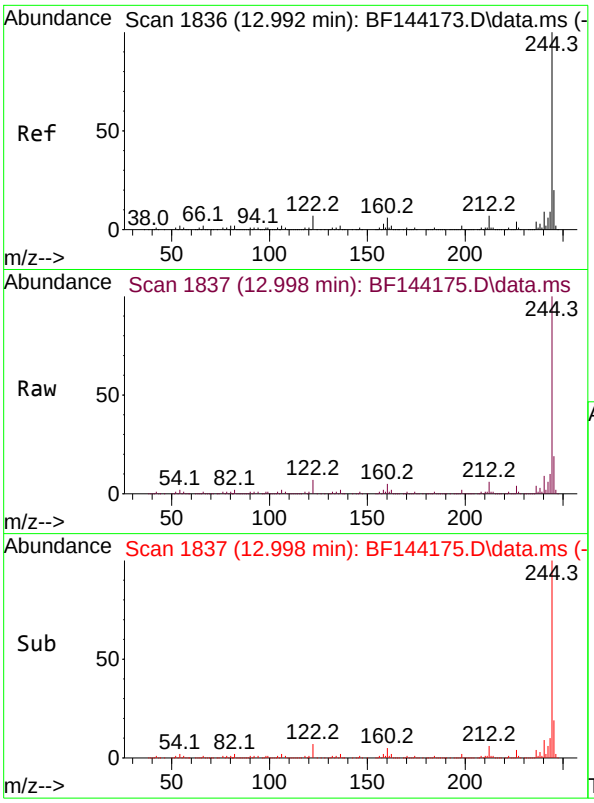


#78
Pyrene
Concen: 58.384 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:202 Resp: 686663

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	13.7	20.5



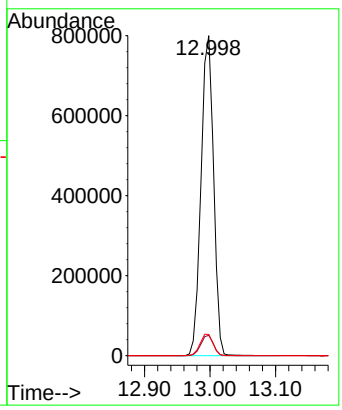


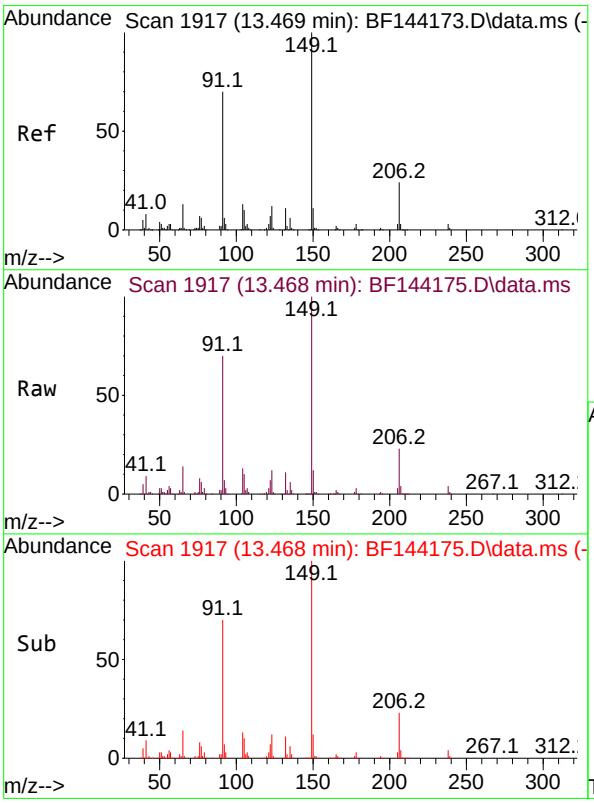
#79
Terphenyl-d14
Concen: 115.147 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1057426

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	6.6	5.6	8.4

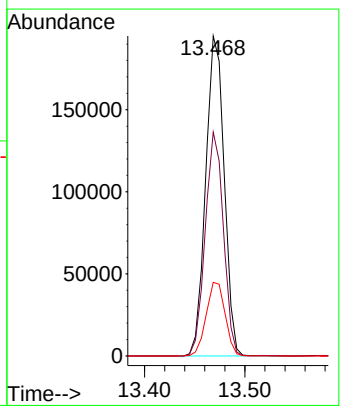


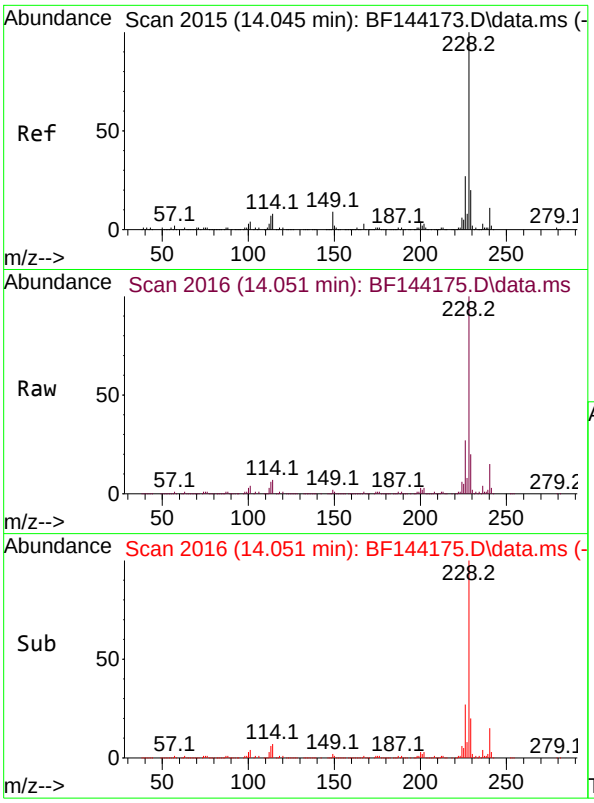


#80
Butylbenzylphthalate
Concen: 61.152 ng
RT: 13.468 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 249274

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.1	84.1
206	23.0	18.8	28.2



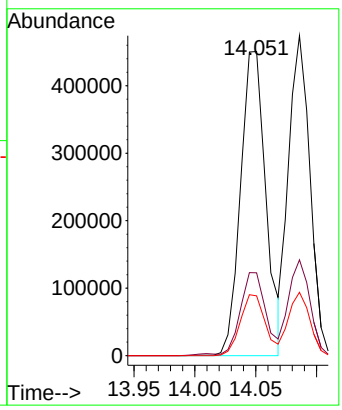


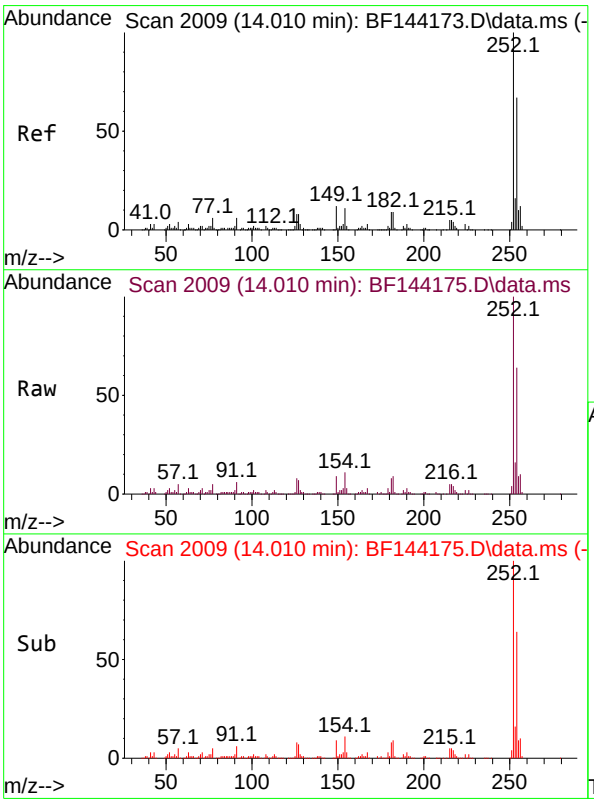
#81
Benzo(a)anthracene
Concen: 64.625 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 653341

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.6	15.8	23.6

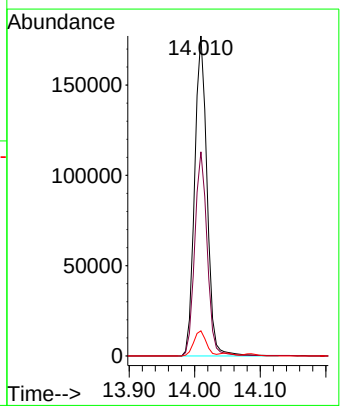


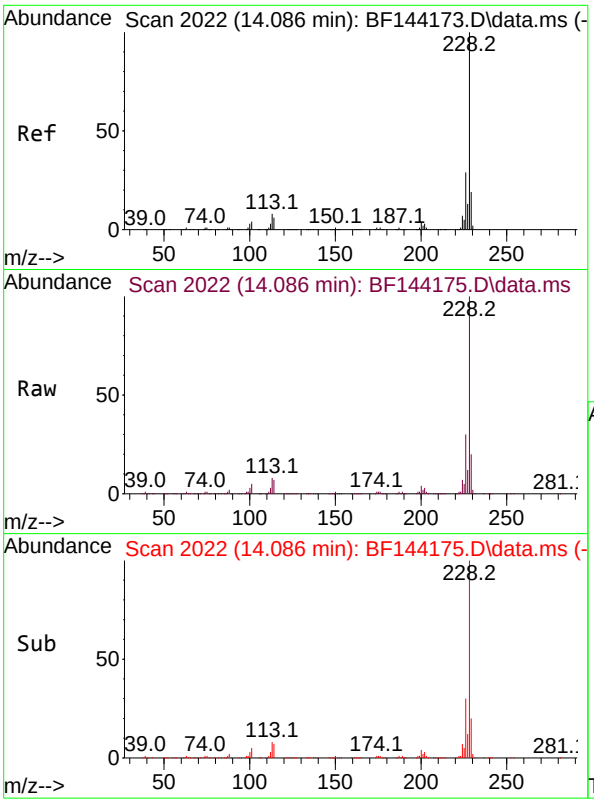


#82
3,3'-Dichlorobenzidine
Concen: 67.182 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 232807

Ion	Ratio	Lower	Upper
252	100		
254	63.8	53.5	80.3
126	7.8	6.4	9.6



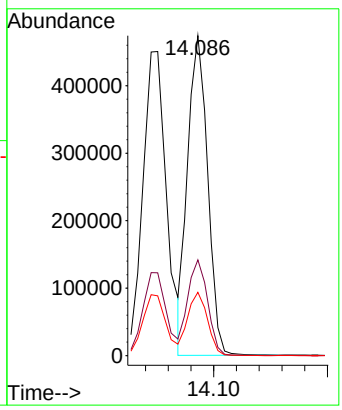


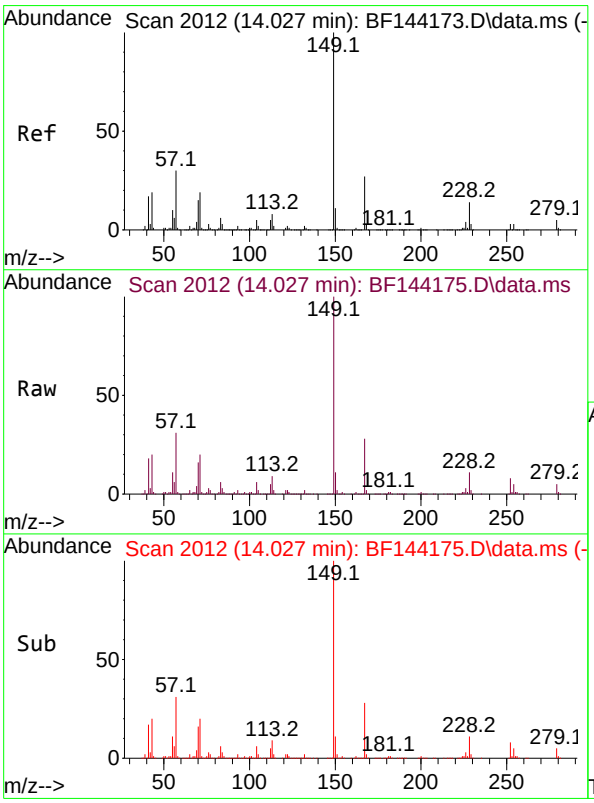
#83
Chrysene
Concen: 62.196 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 580449

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.9	34.3
229	19.8	15.0	22.6

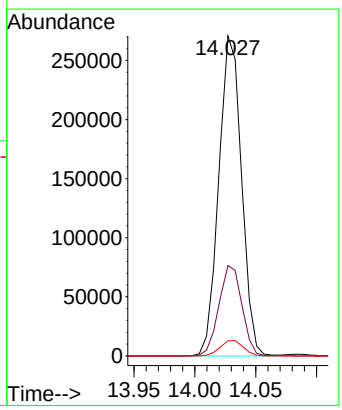


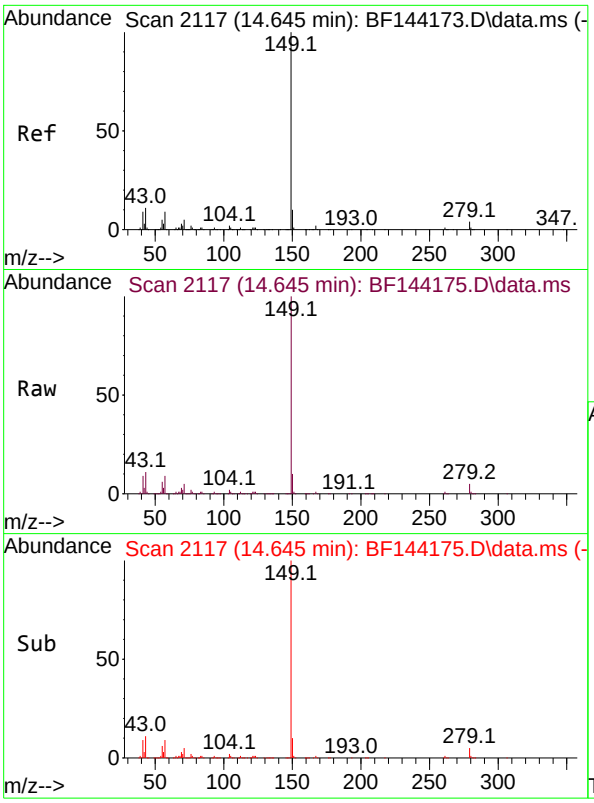


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.991 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:149 Resp: 351501

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.8	32.8
279	4.7	3.7	5.5



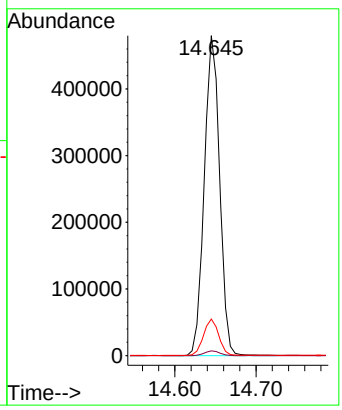


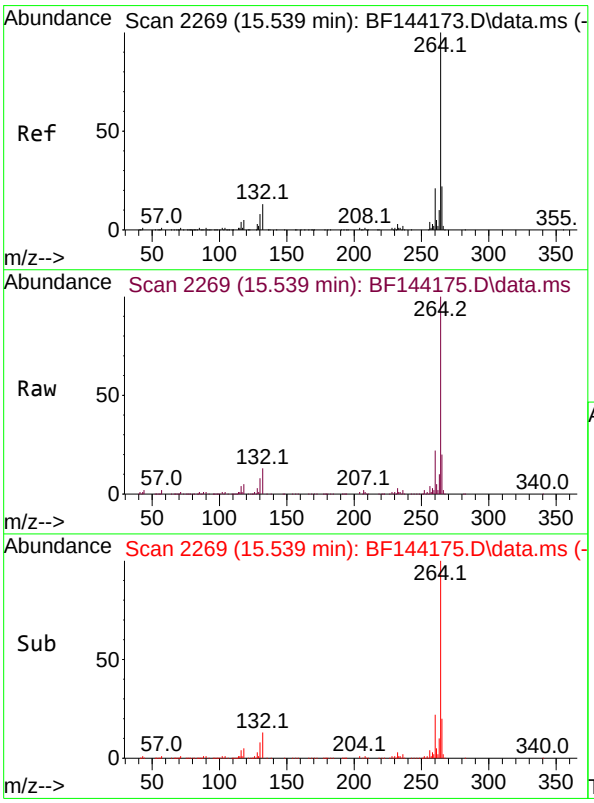
#85
Di-n-octyl phthalate
Concen: 65.547 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 631065

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	11.3	9.0	13.4

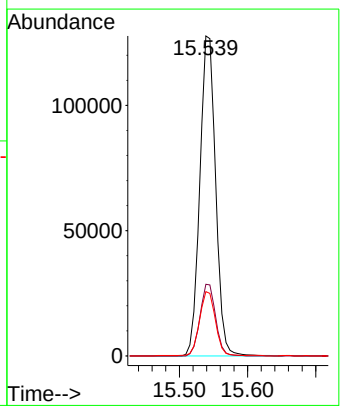


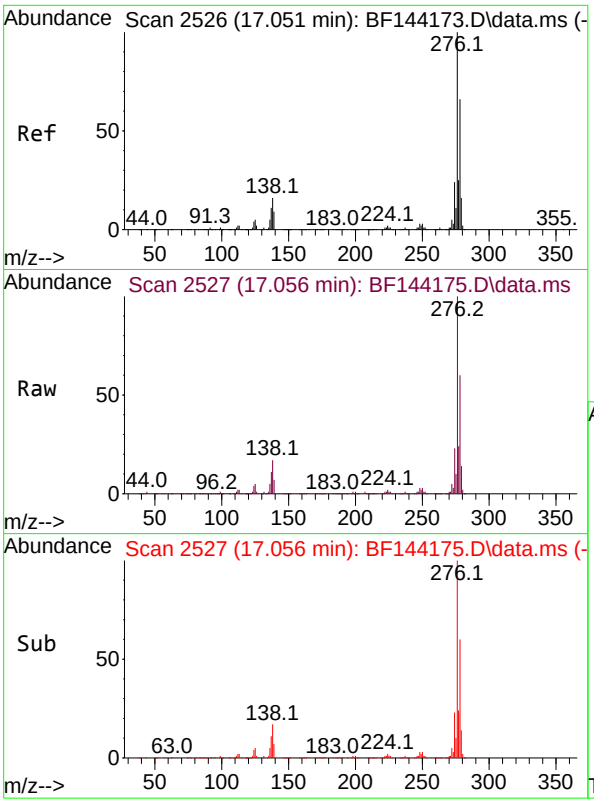


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:264 Resp: 205758

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.1	25.7
265	20.1	17.4	26.0



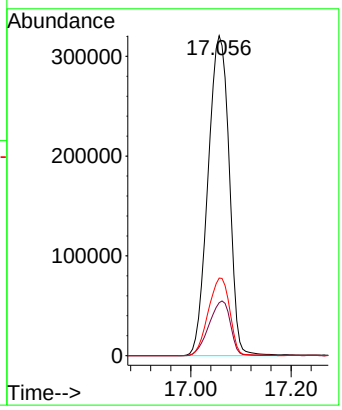


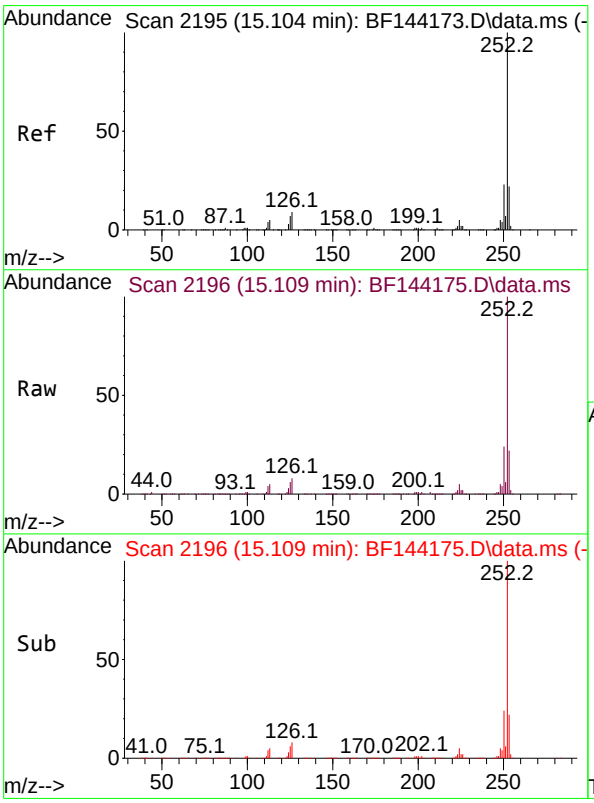
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.557 ng
RT: 17.056 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 938738

Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.9	20.9
277	24.6	19.8	29.6

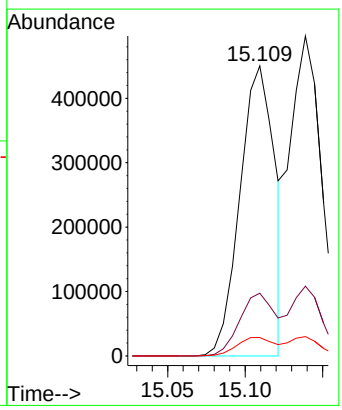


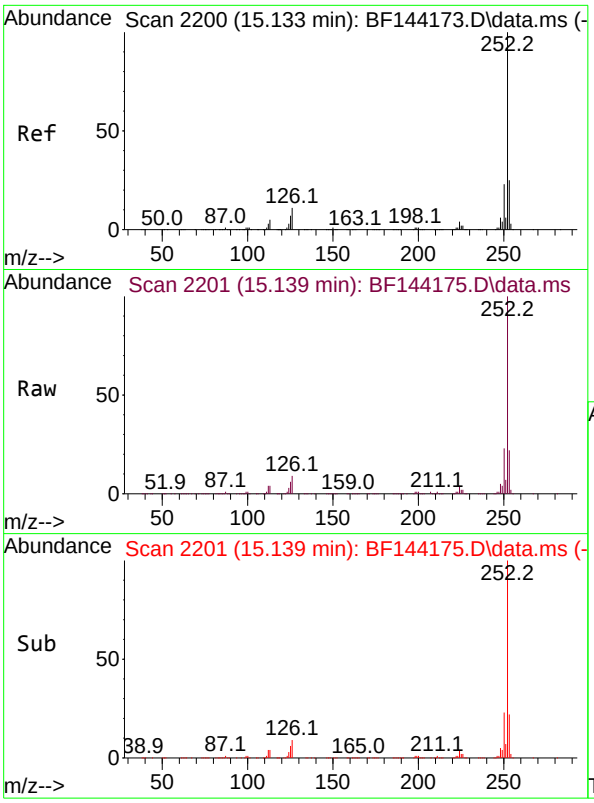


#88
Benzo(b)fluoranthene
Concen: 59.849 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 700099

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	6.3	5.3	7.9



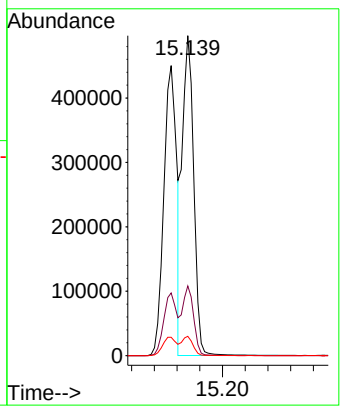


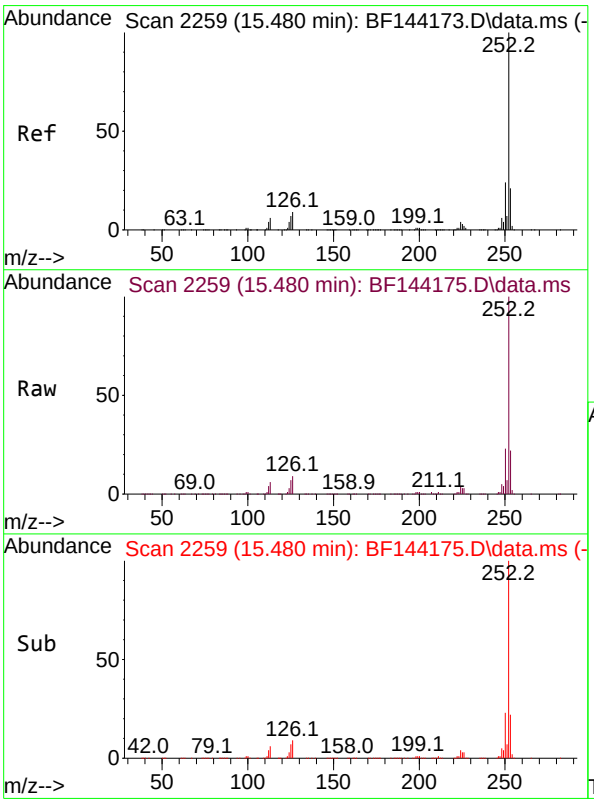
#89
Benzo(k)fluoranthene
Concen: 63.919 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 699851

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.0	5.4	8.2

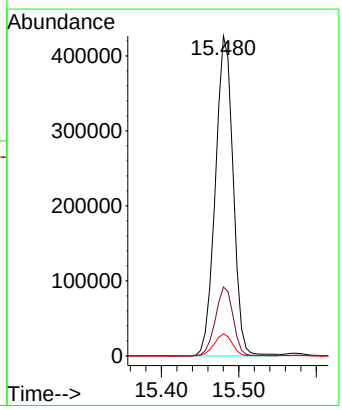


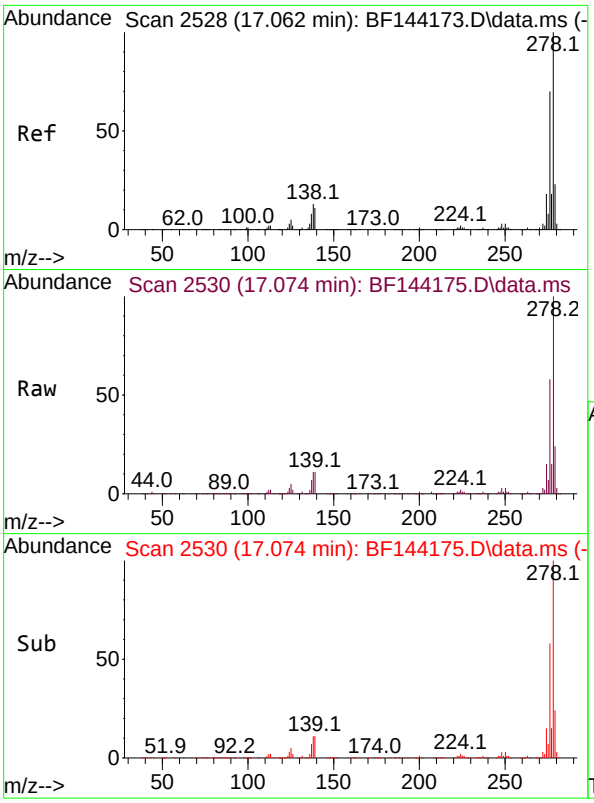


#90
Benzo(a)pyrene
Concen: 63.078 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:252 Resp: 680720

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.7	25.1
125	6.9	5.7	8.5



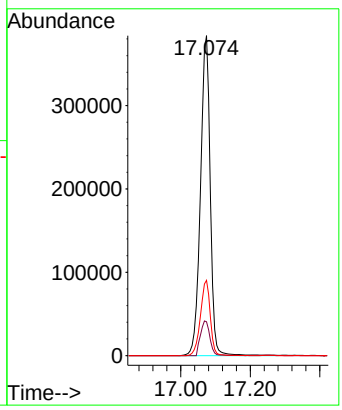


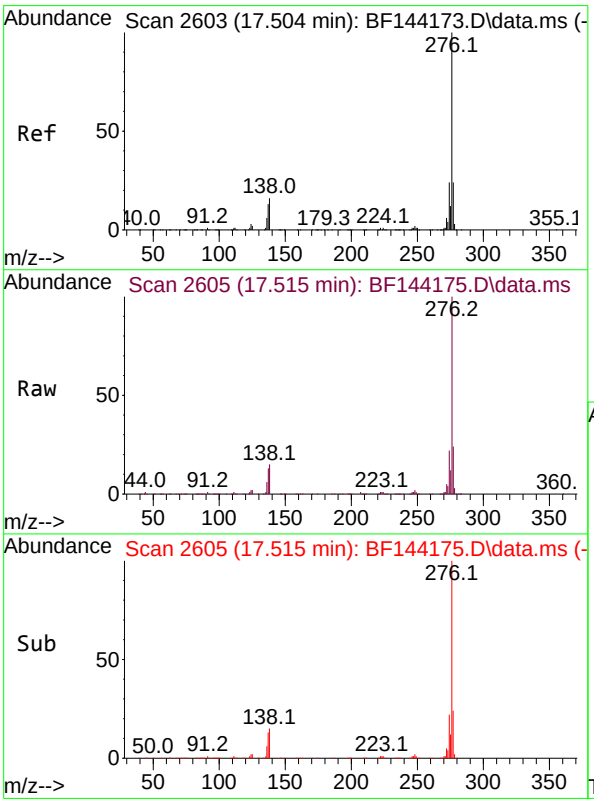
#91
Dibenzo(a,h)anthracene
Concen: 62.936 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 746544

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.1	13.7
279	23.5	18.2	27.4

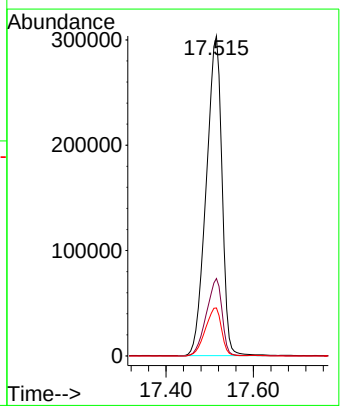




#92
Benzo(g,h,i)perylene
Concen: 64.699 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.006 min
Lab File: BF144175.D
Acq: 05 Nov 2025 16:19

Tgt Ion:276 Resp: 757880

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	15.0	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69287	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	261584	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	147600	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	244733	20.000	ng	0.00
76) Chrysene-d12	14.063	240	156809	20.000	ng	0.00
86) Perylene-d12	15.545	264	213275	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	661124	149.317	ng	0.00
7) Phenol-d6	6.510	99	742089	147.919	ng	0.00
23) Nitrobenzene-d5	7.445	82	707494	156.207	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	293555	158.489	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1397211	139.809	ng	0.00
79) Terphenyl-d14	12.998	244	1449323	146.810	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.604	88	149682	81.770	ng	99
3) Pyridine	3.375	79	427549	83.719	ng	99
4) n-Nitrosodimethylamine	3.346	42	224403	84.122	ng	98
6) Aniline	6.545	93	532078	74.439	ng	98
8) 2-Chlorophenol	6.663	128	333730	76.859	ng	100
9) Benzaldehyde	6.428	77	189297	66.820	ng	97
10) Phenol	6.528	94	441818	72.080	ng	78
11) bis(2-Chloroethyl)ether	6.616	93	348844	78.104	ng	99
12) 1,3-Dichlorobenzene	6.816	146	406743	75.913	ng	97
13) 1,4-Dichlorobenzene	6.892	146	405797	75.597	ng	99
14) 1,2-Dichlorobenzene	7.045	146	389053	75.617	ng	99
15) Benzyl Alcohol	7.022	79	317271	79.866	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	620126	75.396	ng	88
17) 2-Methylphenol	7.128	107	265517	76.865	ng	99
18) Hexachloroethane	7.386	117	139795	78.387	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	249355	75.502	ng	98
20) 3+4-Methylphenols	7.287	107	299182	73.473	ng	97
22) Acetophenone	7.292	105	409610	72.994	ng	94
24) Nitrobenzene	7.463	77	385188	78.328	ng	98
25) Isophorone	7.704	82	689837	80.522	ng	99
26) 2-Nitrophenol	7.775	139	194869	80.050	ng	94
27) 2,4-Dimethylphenol	7.816	122	287607	78.826	ng	96
28) bis(2-Chloroethoxy)met...	7.910	93	407835	76.234	ng	97
29) 2,4-Dichlorophenol	8.022	162	311260	74.016	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	326475	75.604	ng	97
31) Naphthalene	8.186	128	920731	73.994	ng	99
32) Benzoic acid	7.951	122	213364	79.777	ng	97
33) 4-Chloroaniline	8.233	127	341033	75.146	ng	97
34) Hexachlorobutadiene	8.298	225	249435	76.645	ng	98
35) Caprolactam	8.622	113	91899	79.765	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	290083	76.969	ng	98
37) 2-Methylnaphthalene	8.875	142	610532	73.386	ng	100
38) 1-Methylnaphthalene	8.975	142	586747	73.093	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	361014	74.631	ng	99
41) Hexachlorocyclopentadiene	9.028	237	146524	78.238	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	254681	77.355	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	268940	75.791	ng	98
46) 1,1'-Biphenyl	9.339	154	749883	72.784	ng	99
47) 2-Chloronaphthalene	9.369	162	641521	72.995	ng	99
48) 2-Nitroaniline	9.463	65	203746	80.348	ng	98
49) Acenaphthylene	9.780	152	889410	74.264	ng	99
50) Dimethylphthalate	9.633	163	736477	75.318	ng	100
51) 2,6-Dinitrotoluene	9.704	165	156870	79.250	ng	98
52) Acenaphthene	9.951	154	594593	74.243	ng	99
53) 3-Nitroaniline	9.875	138	167110	77.230	ng	96
54) 2,4-Dinitrophenol	9.986	184	96727	80.924	ng	96
55) Dibenzofuran	10.128	168	802174	71.517	ng	98
56) 4-Nitrophenol	10.039	139	117050	74.782	ng	93
57) 2,4-Dinitrotoluene	10.110	165	208441	78.661	ng	95
58) Fluorene	10.469	166	618508	72.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	203523	81.067	ng	98
60) Diethylphthalate	10.339	149	686705	76.182	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	357010	73.492	ng	95
62) 4-Nitroaniline	10.498	138	158441	76.889	ng	98
63) Azobenzene	10.622	77	646943	77.117	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	134894	81.136	ng	96
66) n-Nitrosodiphenylamine	10.580	169	600791	76.327	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	246236	78.826	ng	97
68) Hexachlorobenzene	11.022	284	289823	78.769	ng	97
69) Atrazine	11.110	200	191862	76.645	ng	99
70) Pentachlorophenol	11.216	266	161918	88.373	ng	99
71) Phenanthrene	11.433	178	916773	75.238	ng	99
72) Anthracene	11.486	178	916037	73.934	ng	99
73) Carbazole	11.645	167	777702	73.816	ng	100
74) Di-n-butylphthalate	11.969	149	965695	75.822	ng	100
75) Fluoranthene	12.627	202	937436	74.476	ng	99
77) Benzidine	12.751	184	347077	74.828	ng	99
78) Pyrene	12.857	202	943190	74.600	ng	99
80) Butylbenzylphthalate	13.474	149	344575	78.633	ng	99
81) Benzo(a)anthracene	14.051	228	856602	78.818	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	301919	81.046	ng	97
83) Chrysene	14.086	228	792397	78.982	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	479285	79.898	ng	99
85) Di-n-octyl phthalate	14.645	149	855486	82.657	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	1215637	79.403	ng	99
88) Benzo(b)fluoranthene	15.110	252	975518	80.454	ng	99
89) Benzo(k)fluoranthene	15.145	252	870791	76.728	ng	98
90) Benzo(a)pyrene	15.486	252	877623	78.458	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	970735	78.952	ng	98
92) Benzo(g,h,i)perylene	17.521	276	981387	80.827	ng	98

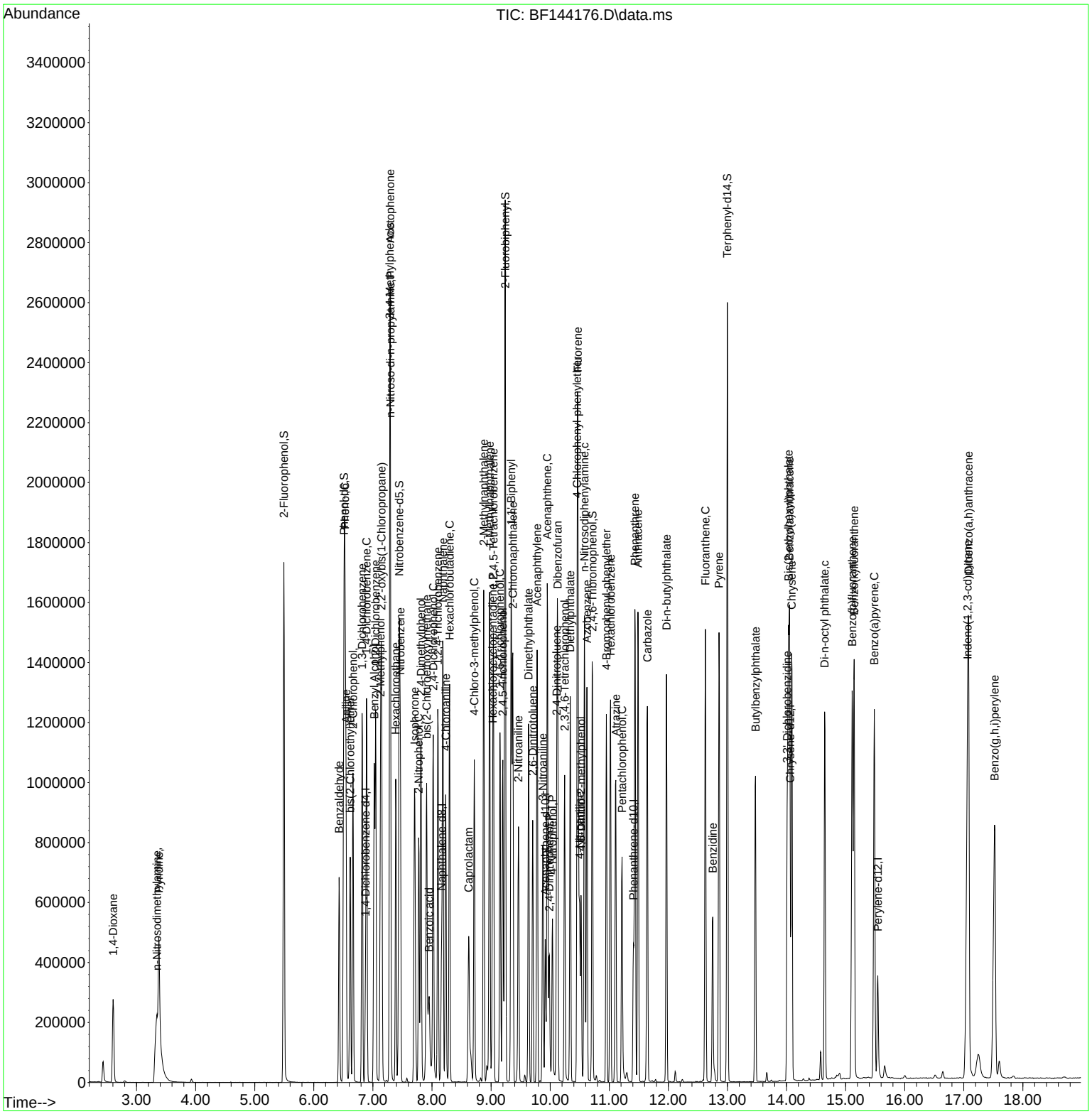
(#) = qualifier out of range (m) = manual integration (+) = signals summed

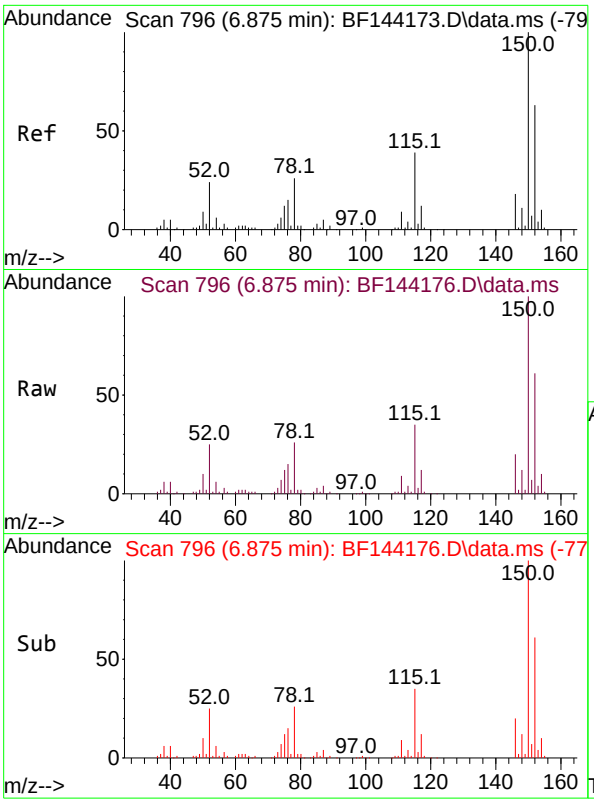
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144176.D
Acq On : 05 Nov 2025 16:49
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 05 17:24:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration



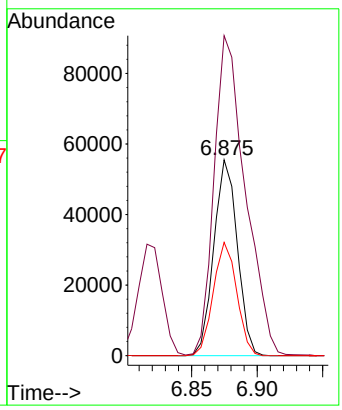


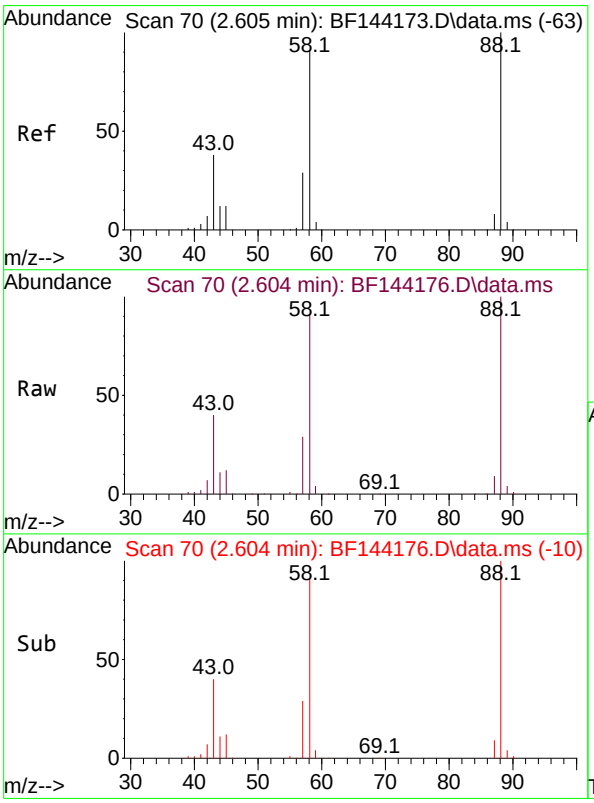
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 69287

Ion	Ratio	Lower	Upper
152	100		
150	163.4	127.4	191.0
115	57.8	49.5	74.3

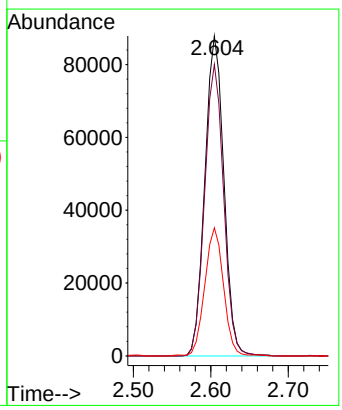


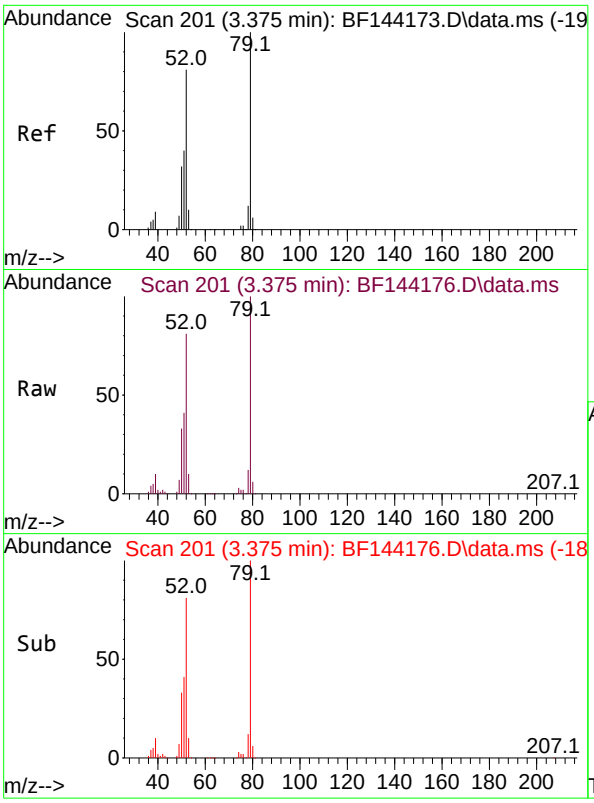


#2
1,4-Dioxane
Concen: 81.770 ng
RT: 2.604 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 88 Resp: 149682

Ion	Ratio	Lower	Upper
88	100		
58	91.2	73.1	109.7
43	39.7	31.0	46.6



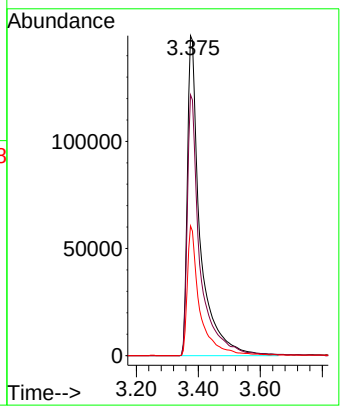


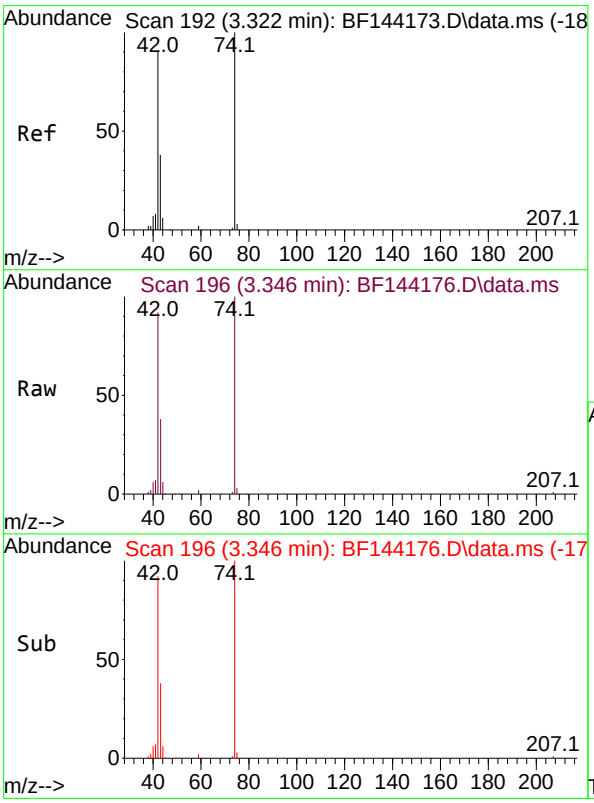
#3
Pyridine
Concen: 83.719 ng
RT: 3.375 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 427549

Ion	Ratio	Lower	Upper
79	100		
52	81.5	64.5	96.7
51	40.5	31.7	47.5

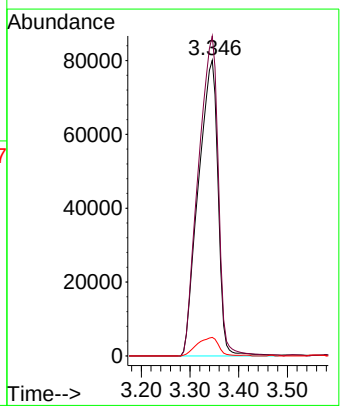


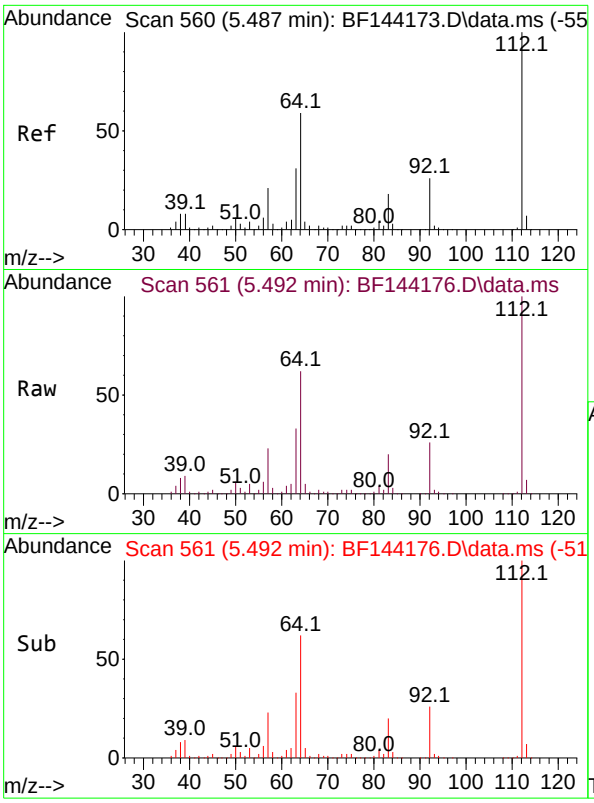


#4
n-Nitrosodimethylamine
Concen: 84.122 ng
RT: 3.346 min Scan# 196
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 42 Resp: 224403

Ion	Ratio	Lower	Upper
42	100		
74	108.2	88.2	132.4
44	6.2	5.7	8.5



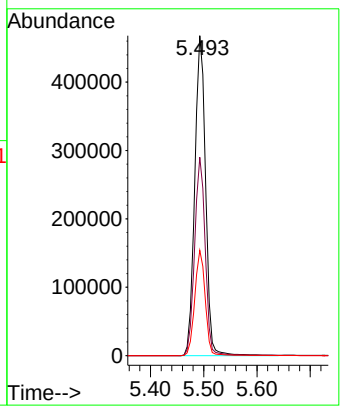


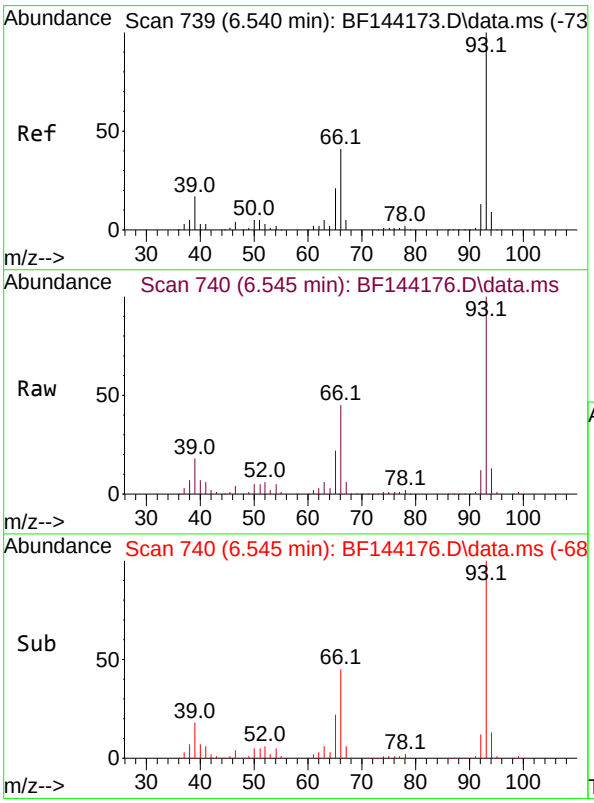
#5
2-Fluorophenol
Concen: 149.317 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 661124

Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.2	70.8
63	32.9	24.4	36.6

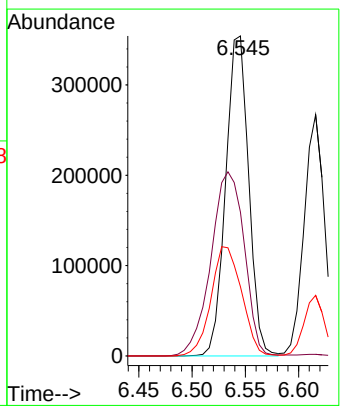


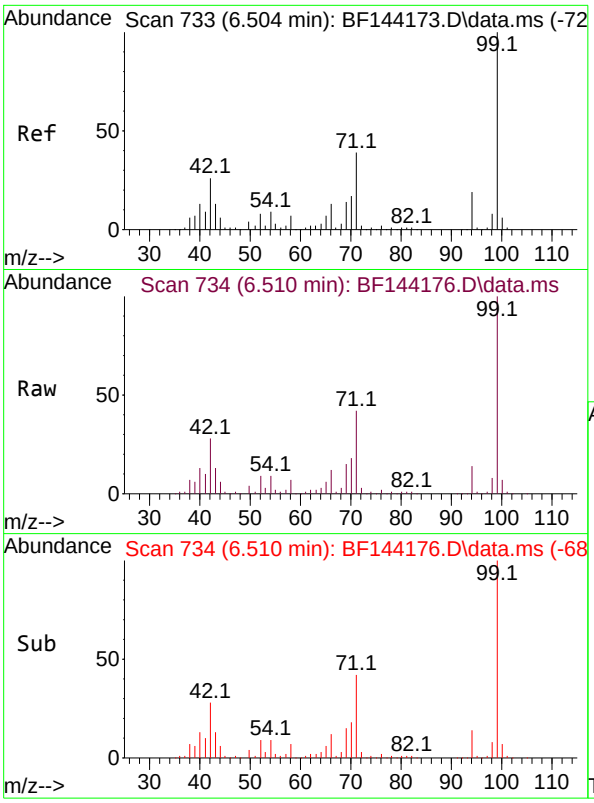


#6
Aniline
Concen: 74.439 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 93 Resp: 532078

Ion	Ratio	Lower	Upper
93	100		
66	44.9	34.3	51.5
65	21.6	16.9	25.3



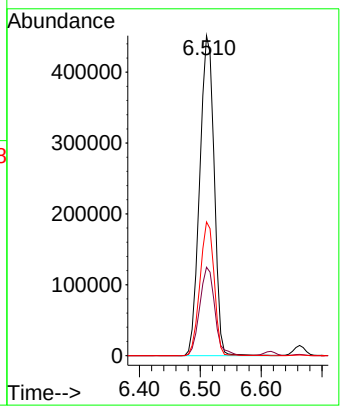


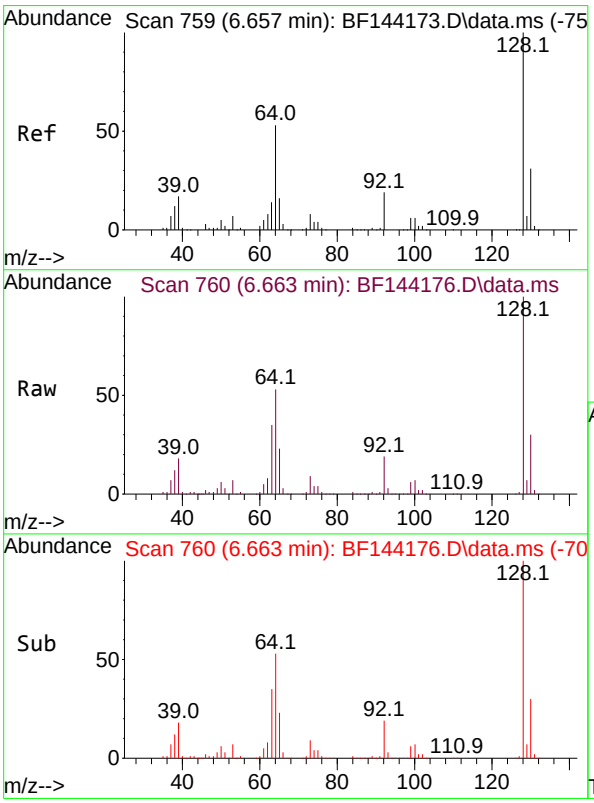
#7
Phenol-d6
Concen: 147.919 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 742089

Ion	Ratio	Lower	Upper
99	100		
42	27.6	20.9	31.3
71	41.8	31.4	47.2

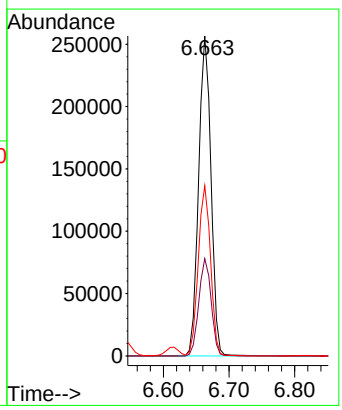


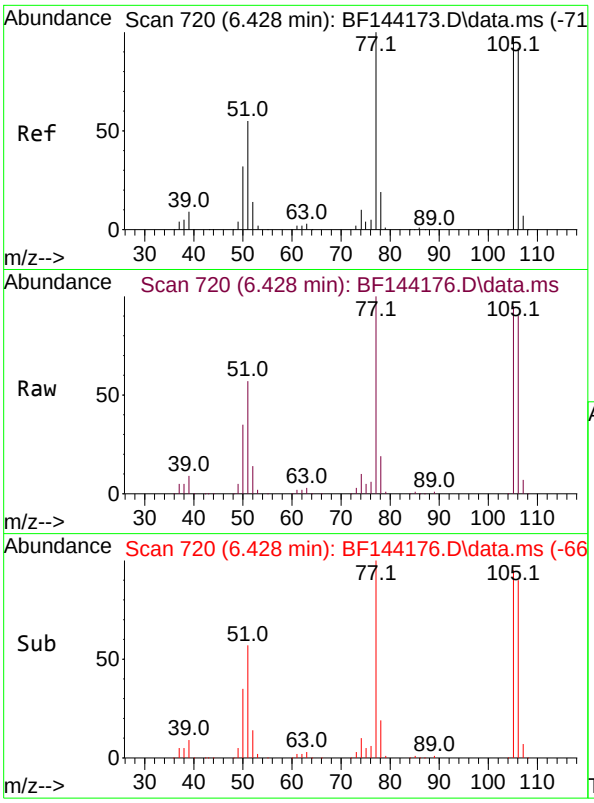


#8
2-Chlorophenol
Concen: 76.859 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:128 Resp: 333730

Ion	Ratio	Lower	Upper
128	100		
130	30.4	10.5	50.5
64	53.2	33.2	73.2



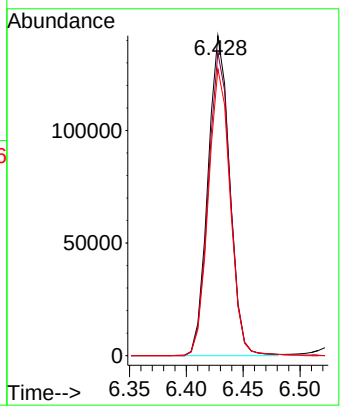


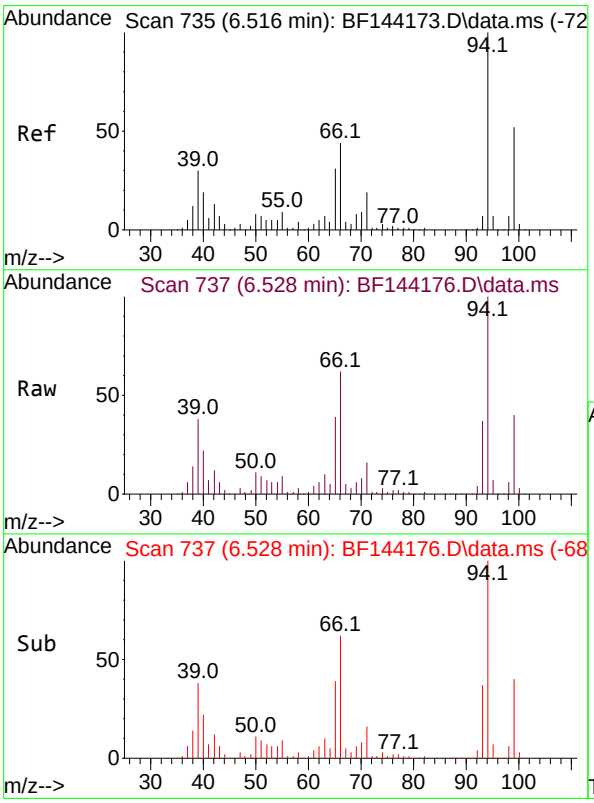
#9
Benzaldehyde
Concen: 66.820 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 189297

Ion	Ratio	Lower	Upper
77	100		
105	94.7	77.2	117.2
106	89.6	72.2	112.2

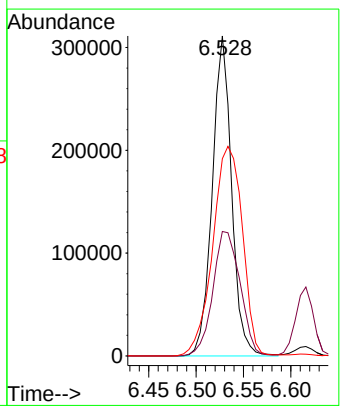


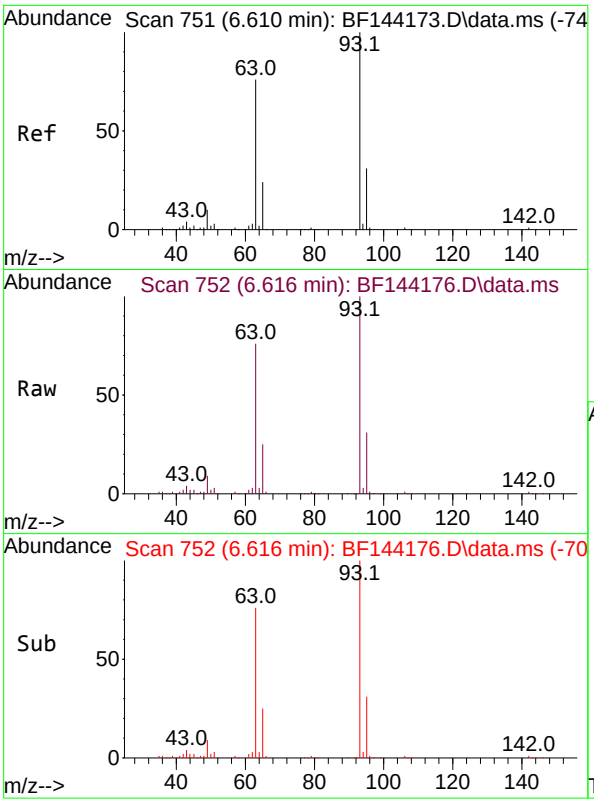


#10
Phenol
Concen: 72.080 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 94 Resp: 441818

Ion	Ratio	Lower	Upper
94	100		
65	38.9	10.8	50.8
66	61.6	24.3	64.3



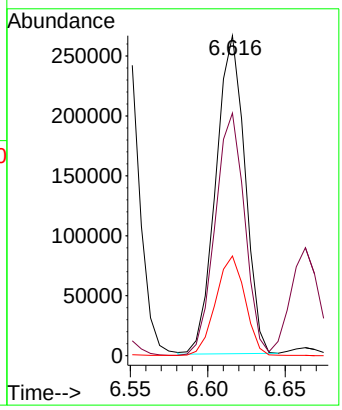


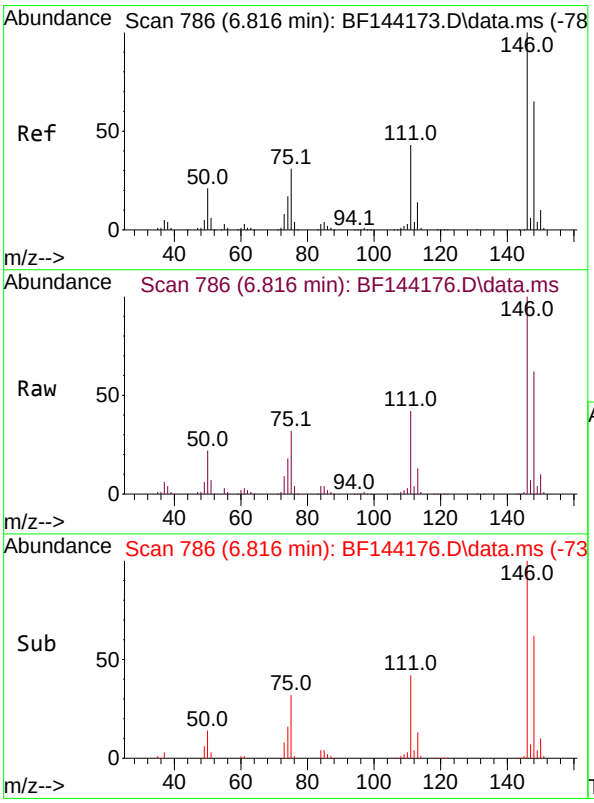
#11
bis(2-Chloroethyl)ether
Concen: 78.104 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 348844

Ion	Ratio	Lower	Upper
93	100		
63	75.8	55.2	95.2
95	31.1	11.2	51.2

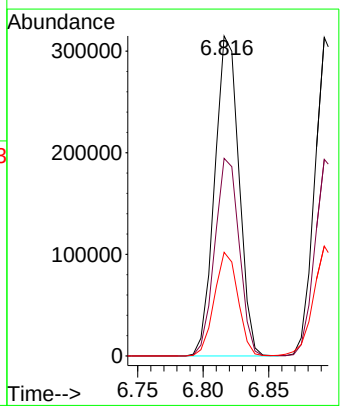


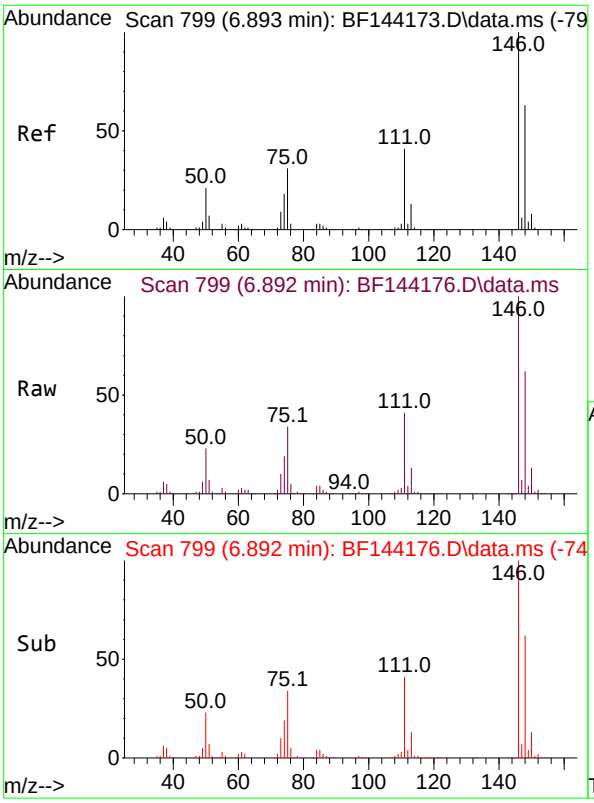


#12
1,3-Dichlorobenzene
Concen: 75.913 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:146 Resp: 406743

Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.8	77.8
75	32.4	25.0	37.4



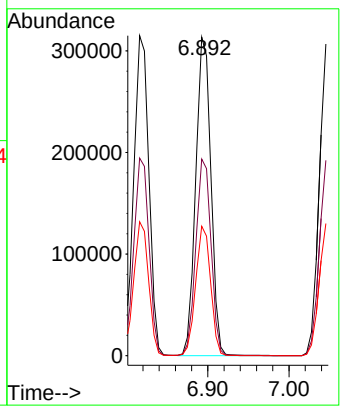


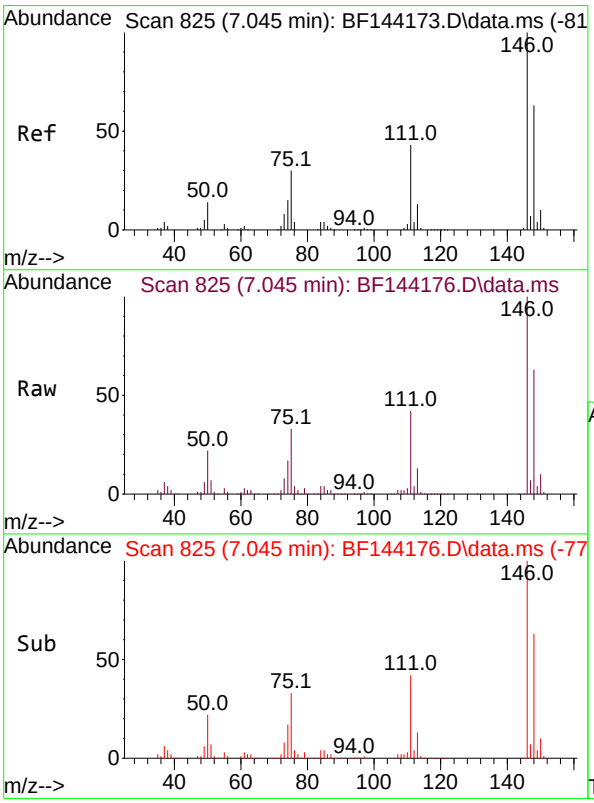
#13
1,4-Dichlorobenzene
Concen: 75.597 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 405797

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.2	75.2
111	40.6	32.6	48.8

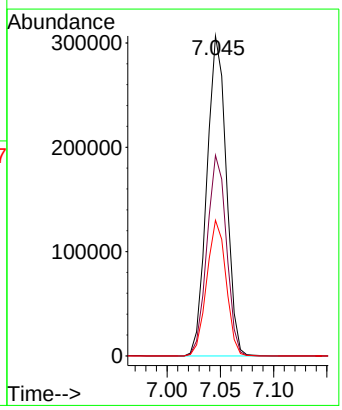


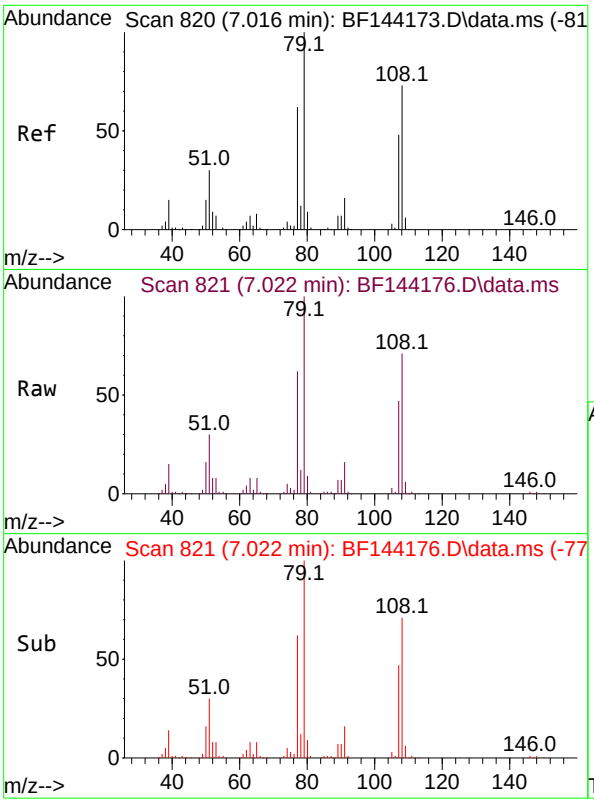


#14
1,2-Dichlorobenzene
Concen: 75.617 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:146 Resp: 389053

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.7	76.1
111	42.4	34.2	51.4



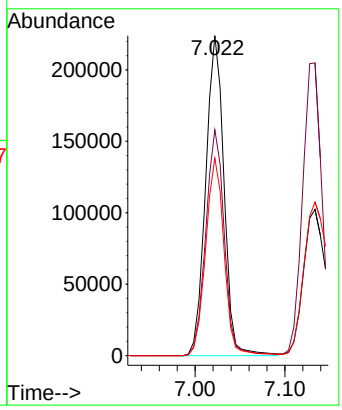


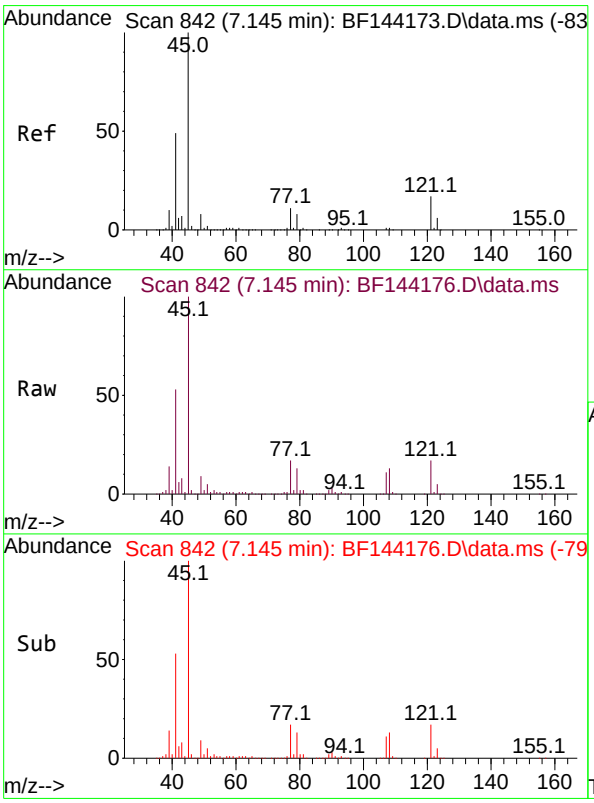
#15
Benzyl Alcohol
Concen: 79.866 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 317271

Ion	Ratio	Lower	Upper
79	100		
108	70.6	58.2	87.4
77	61.7	49.9	74.9

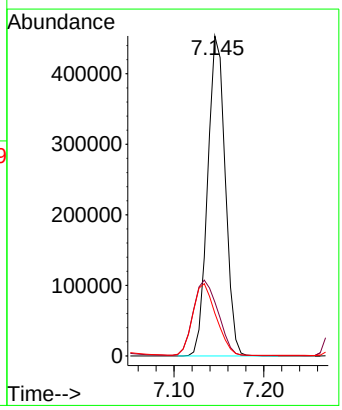


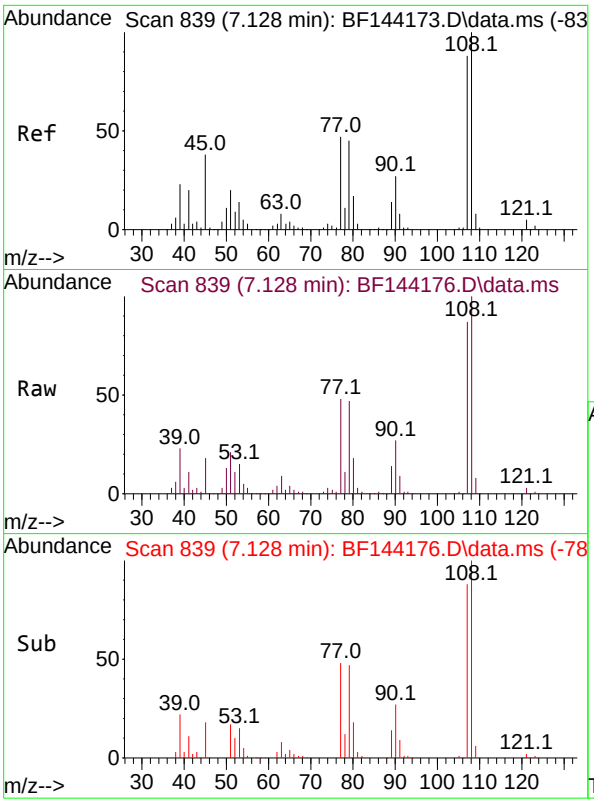


#16
2,2'-oxybis(1-Chloropropane)
Concen: 75.396 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 45 Resp: 620126

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	31.8
79	13.3	0.0	29.1



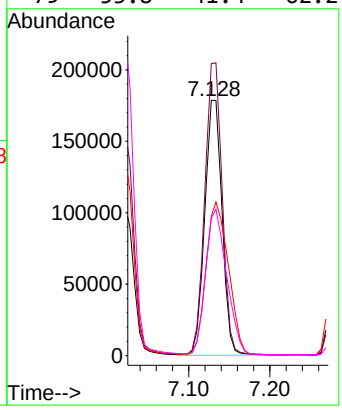


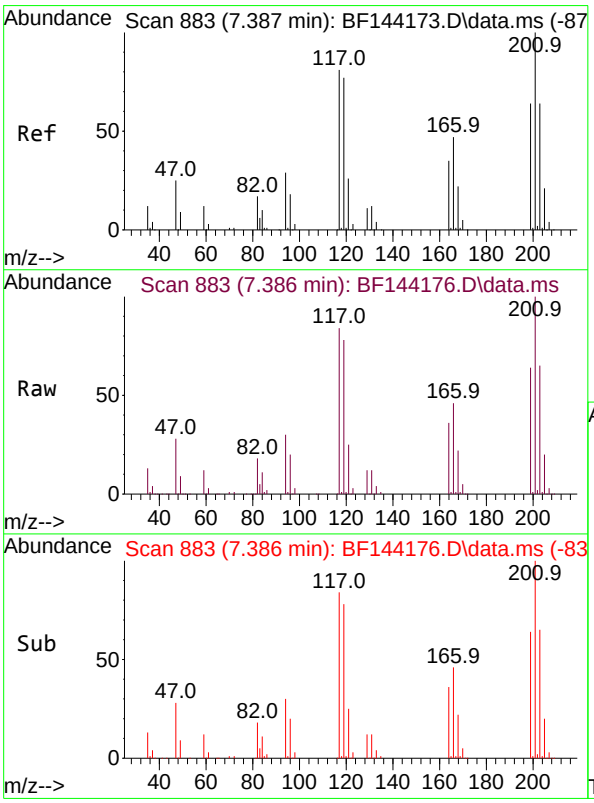
#17
2-Methylphenol
Concen: 76.865 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 265517

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	54.6	42.7	64.1
79	53.8	41.4	62.2

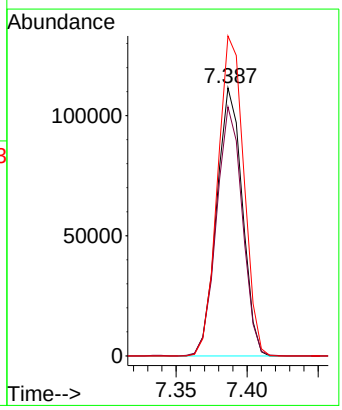


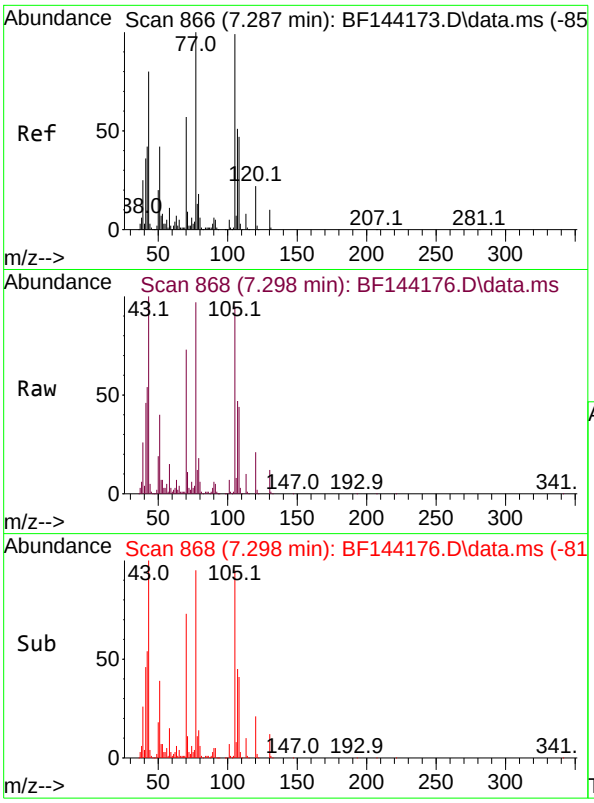


#18
Hexachloroethane
Concen: 78.387 ng
RT: 7.386 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:117 Resp: 139795

Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.8	113.8
201	119.4	98.9	148.3



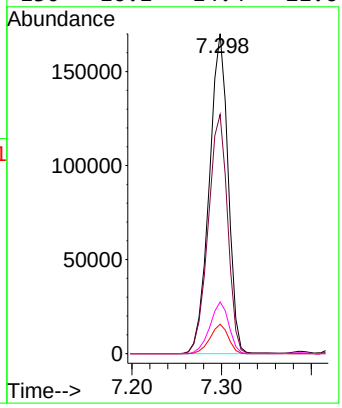


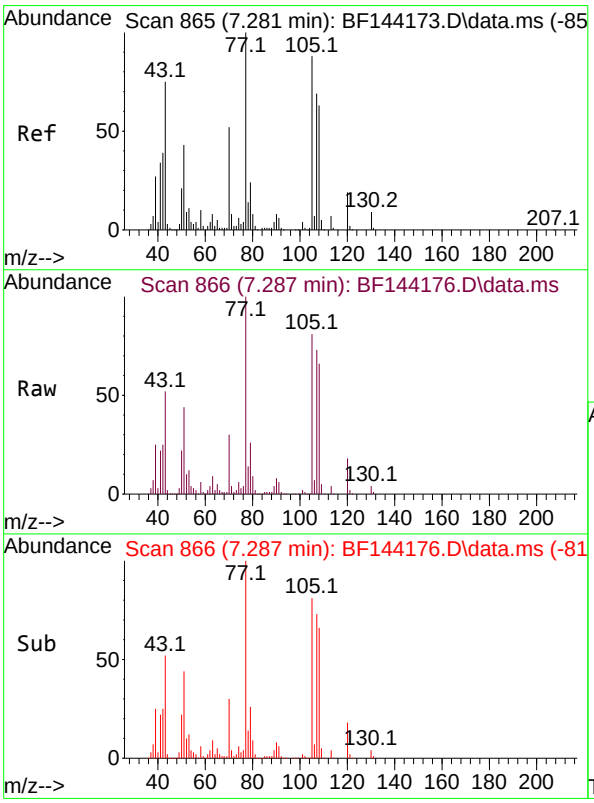
#19
n-Nitroso-di-n-propylamine
Concen: 75.502 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 249355

Ion	Ratio	Lower	Upper
70	100		
42	74.7	58.3	87.5
101	9.2	7.0	10.6
130	16.1	14.4	21.6

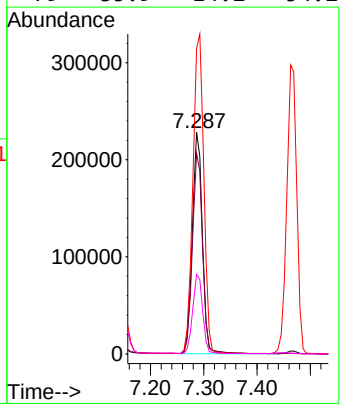


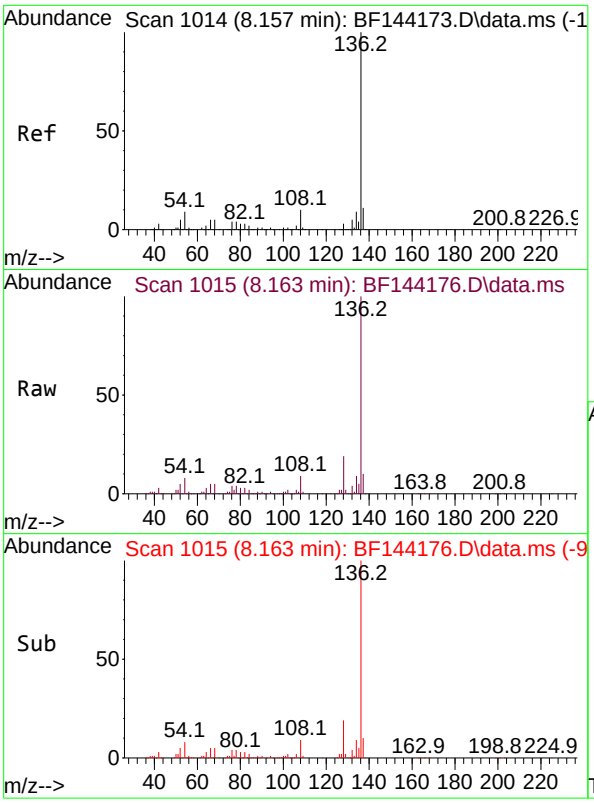


#20
3+4-Methylphenols
Concen: 73.473 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:107 Resp: 299182

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.2	110.2
77	137.9	123.9	163.9
79	35.9	14.2	54.2



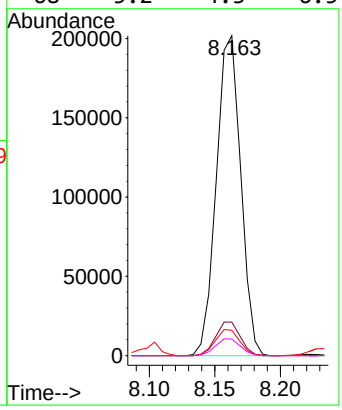


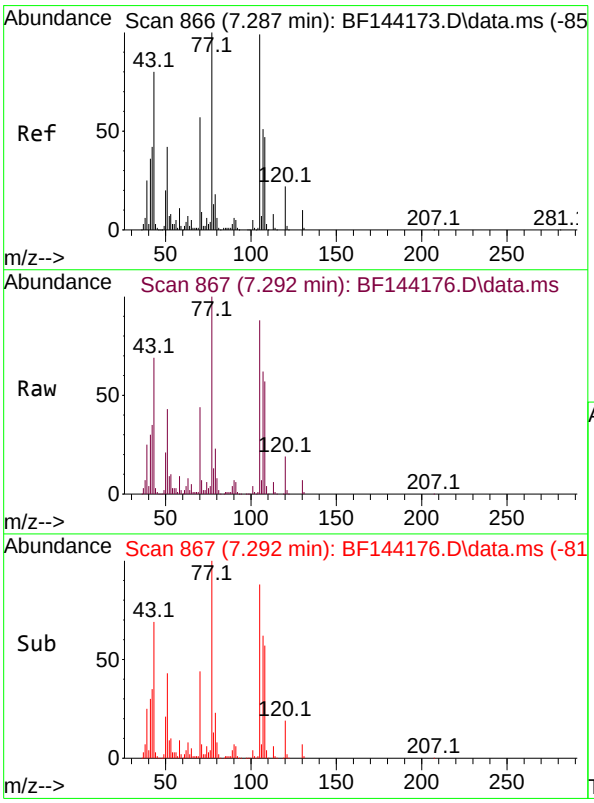
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 261584

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.9	7.0	10.6
68	5.2	4.3	6.5

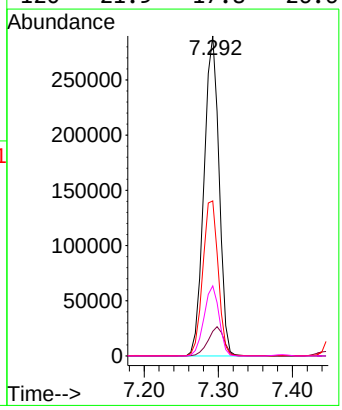


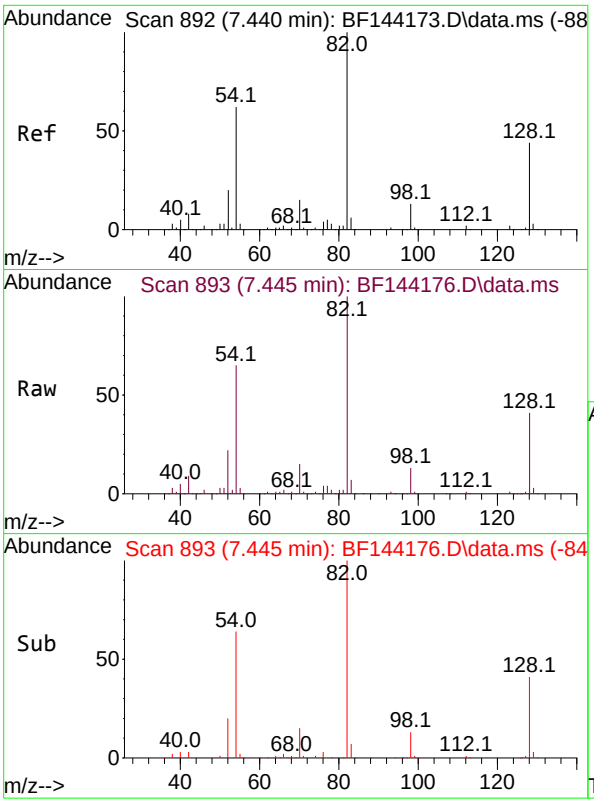


#22
Acetophenone
Concen: 72.994 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:105 Resp: 409610

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	48.4	34.0	51.0
120	21.9	17.8	26.6



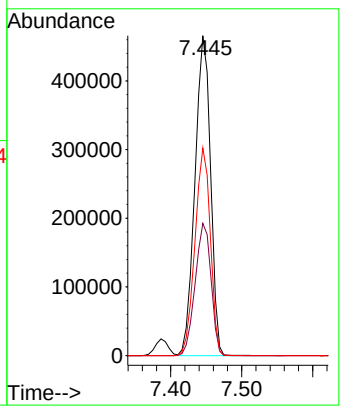


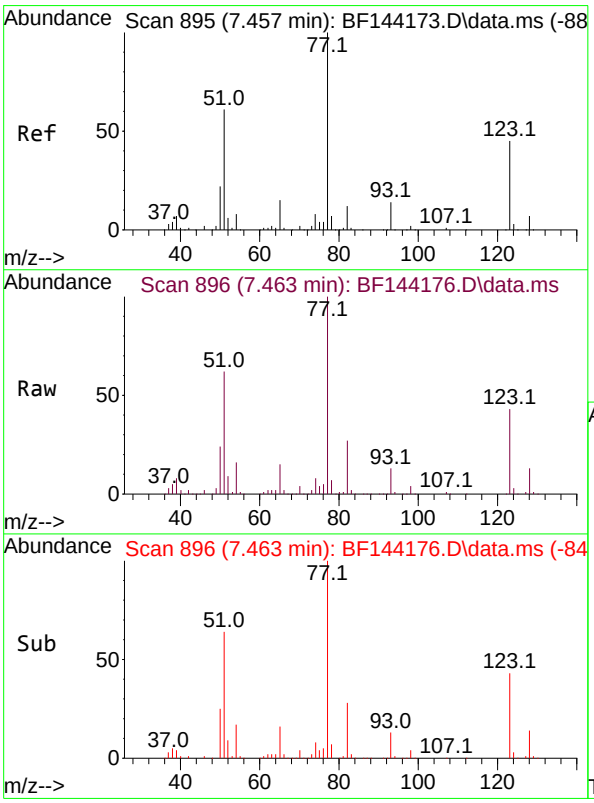
#23
Nitrobenzene-d5
Concen: 156.207 ng
RT: 7.445 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 707494

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.7	52.1
54	64.9	49.5	74.3

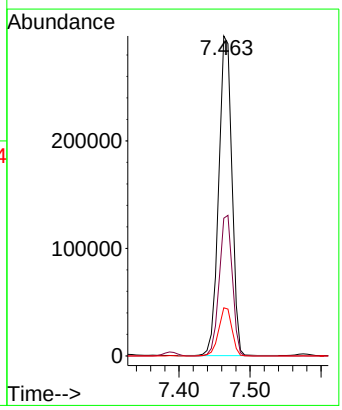


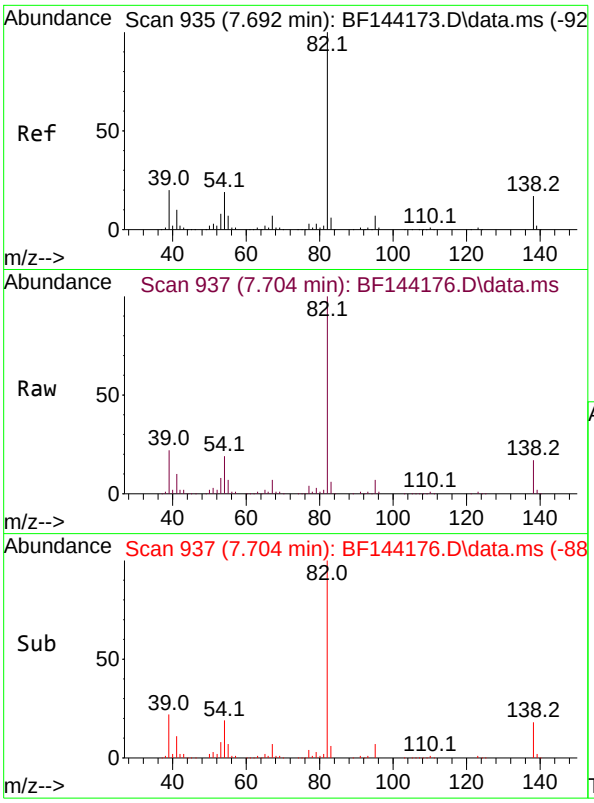


#24
Nitrobenzene
Concen: 78.328 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 77 Resp: 385188

Ion	Ratio	Lower	Upper
77	100		
123	43.0	35.8	53.8
65	15.0	12.2	18.2



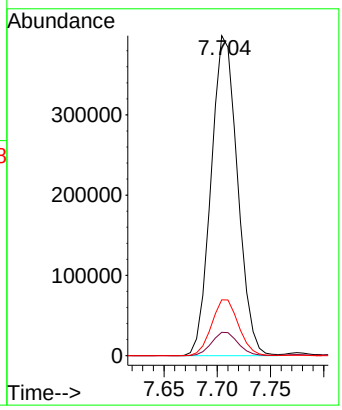


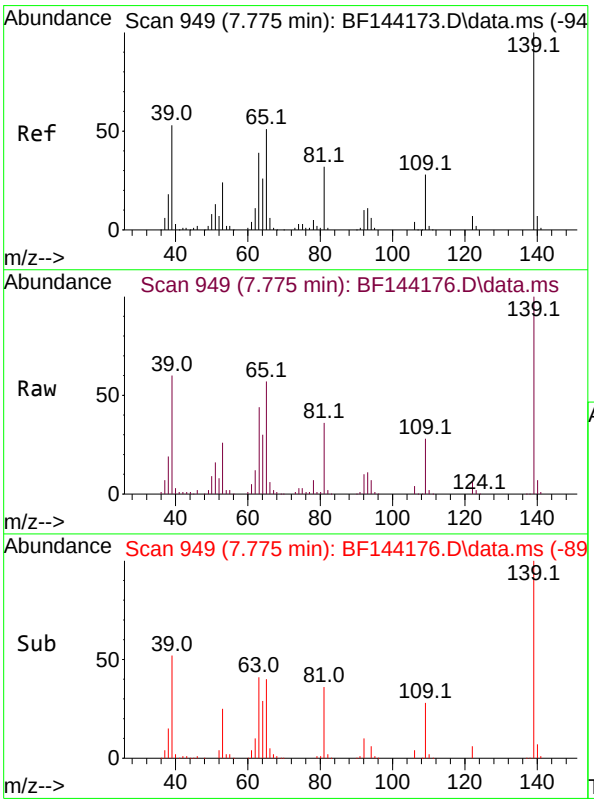
#25
Isophorone
Concen: 80.522 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 689837

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.5	8.3
138	17.4	13.7	20.5

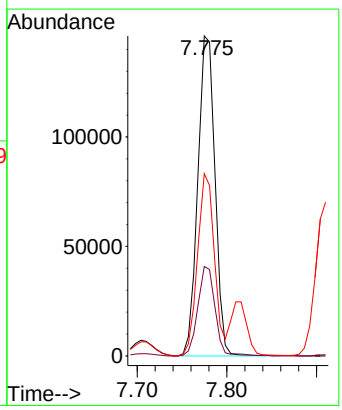


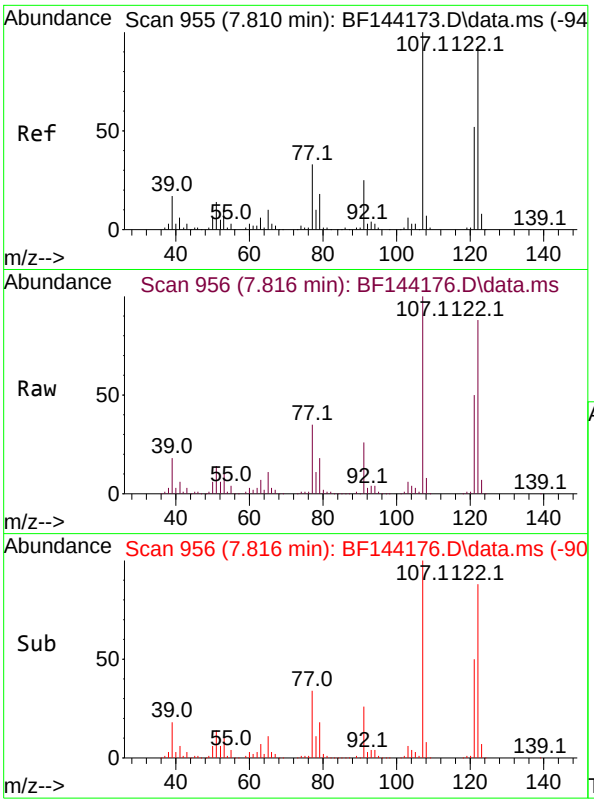


#26
2-Nitrophenol
Concen: 80.050 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:139 Resp: 194869

Ion	Ratio	Lower	Upper
139	100		
109	27.9	22.2	33.2
65	56.9	40.7	61.1



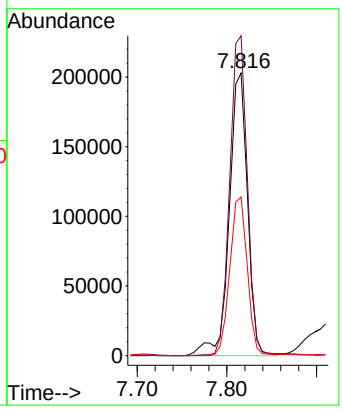


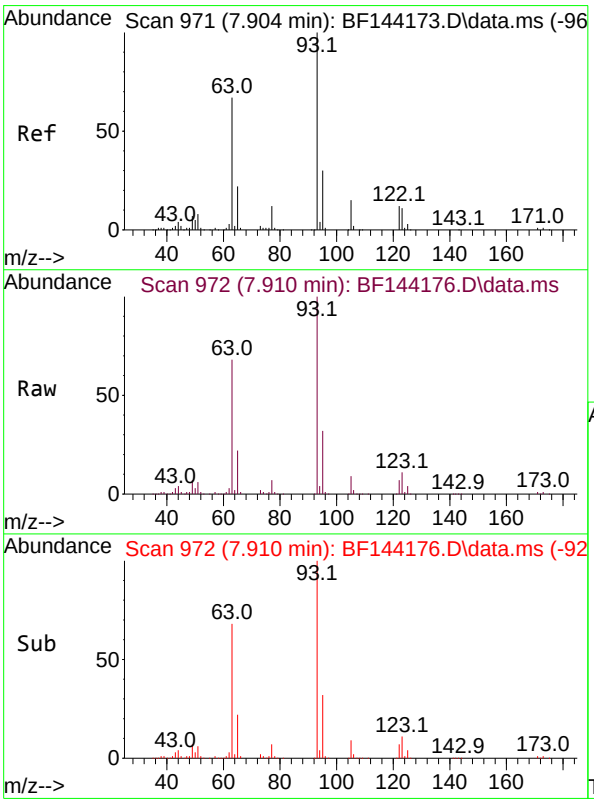
#27
2,4-Dimethylphenol
Concen: 78.826 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 287607

Ion	Ratio	Lower	Upper
122	100		
107	113.2	86.2	129.4
121	56.1	44.6	66.8

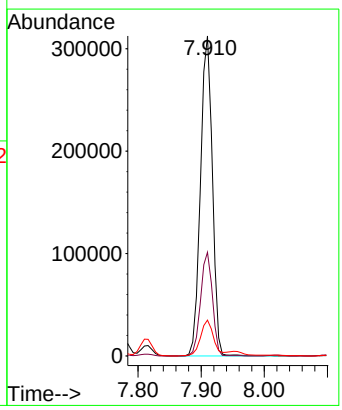


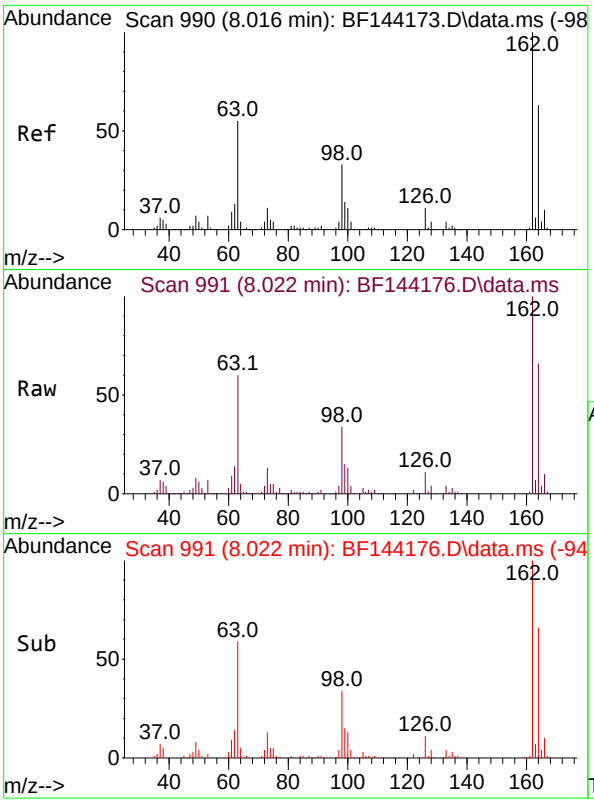


#28
bis(2-Chloroethoxy)methane
Concen: 76.234 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 93 Resp: 407835

Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.2	36.4
123	11.2	9.0	13.4



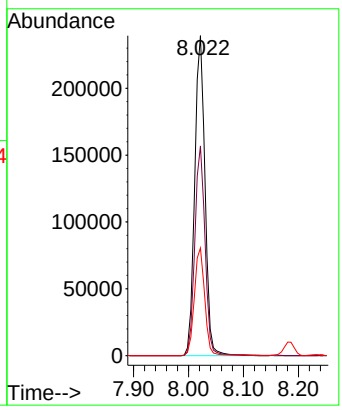


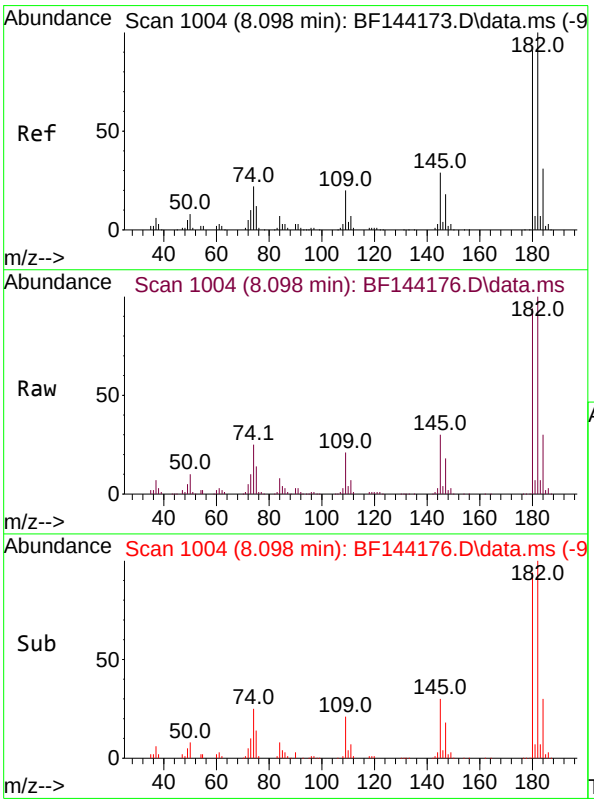
#29
2,4-Dichlorophenol
Concen: 74.016 ng
RT: 8.022 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 311260

Ion	Ratio	Lower	Upper
162	100		
164	65.5	42.9	82.9
98	33.6	13.3	53.3

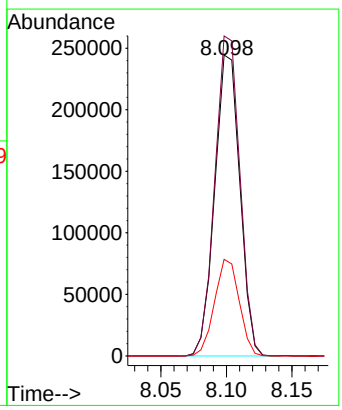


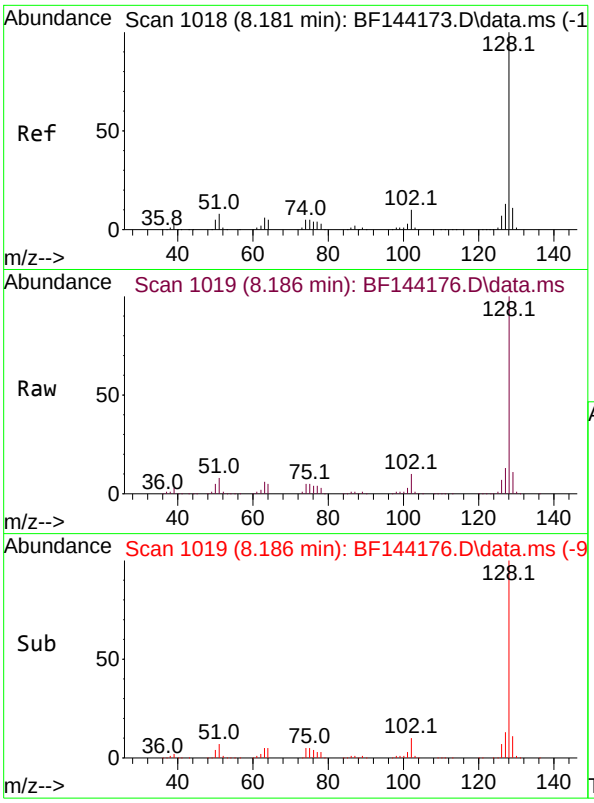


#30
1,2,4-Trichlorobenzene
Concen: 75.604 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:180 Resp: 326475

Ion	Ratio	Lower	Upper
180	100		
182	106.3	87.7	131.5
145	32.1	25.4	38.0



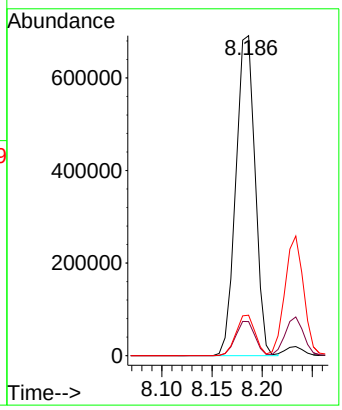


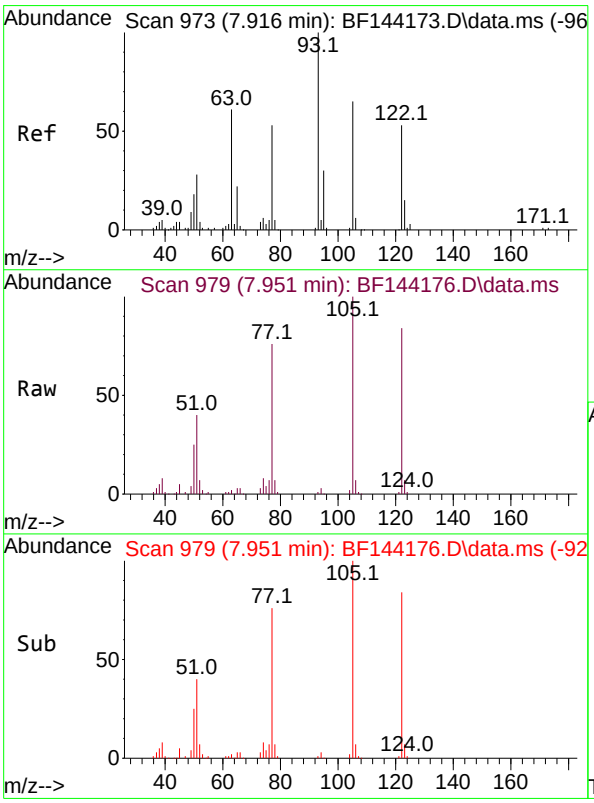
#31
Naphthalene
Concen: 73.994 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 920731

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.6	10.3	15.5

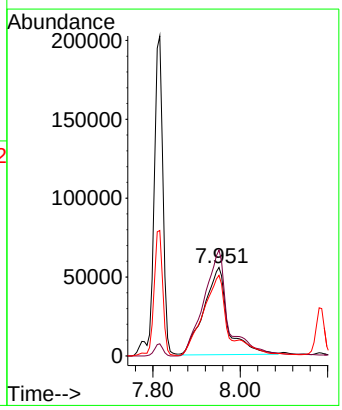


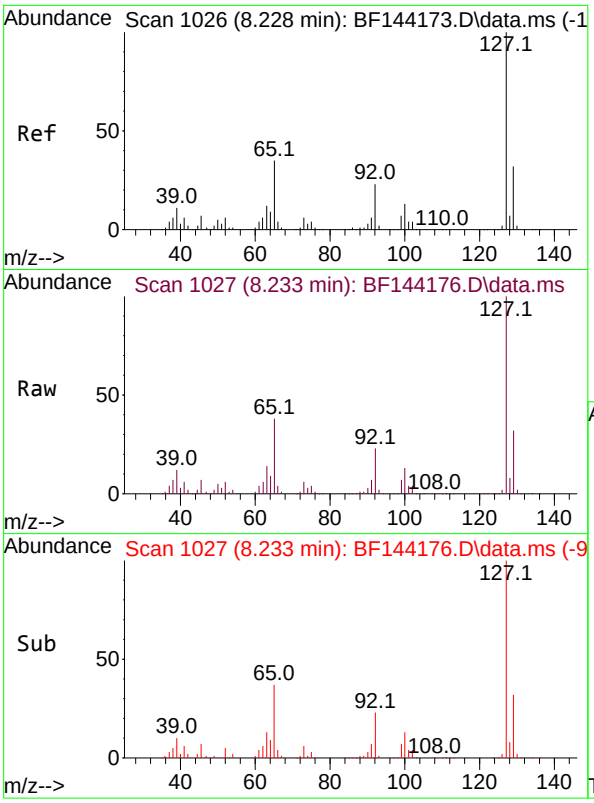


#32
Benzoic acid
Concen: 79.777 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:122 Resp: 213364

Ion	Ratio	Lower	Upper
122	100		
105	119.6	99.9	139.9
77	91.1	77.5	117.5



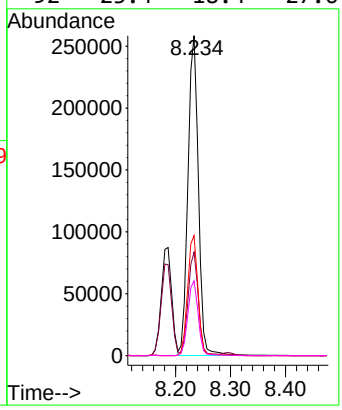


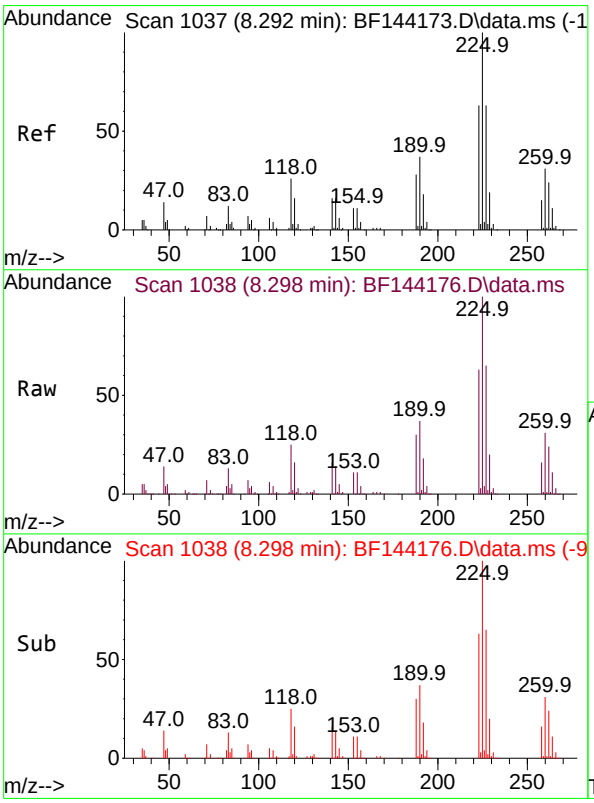
#33
4-Chloroaniline
Concen: 75.146 ng
RT: 8.233 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 341033

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.3	37.9
65	37.5	27.6	41.4
92	23.4	18.4	27.6

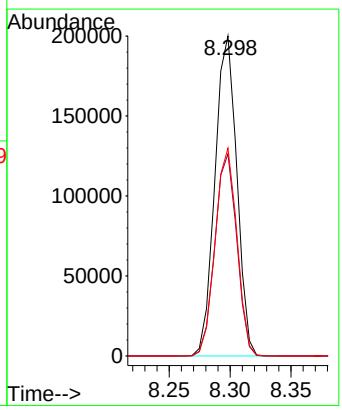


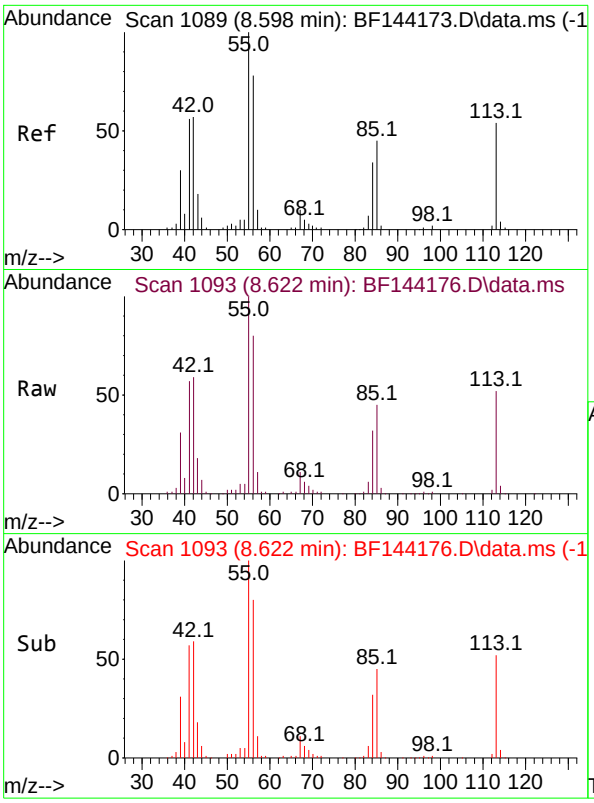


#34
Hexachlorobutadiene
Concen: 76.645 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:225 Resp: 249435

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	64.9	50.1	75.1



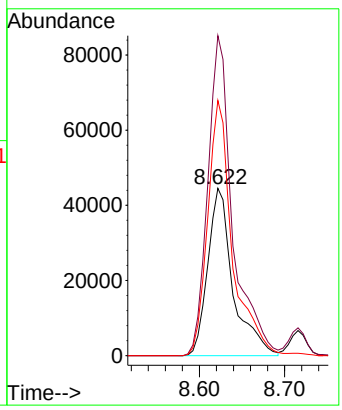


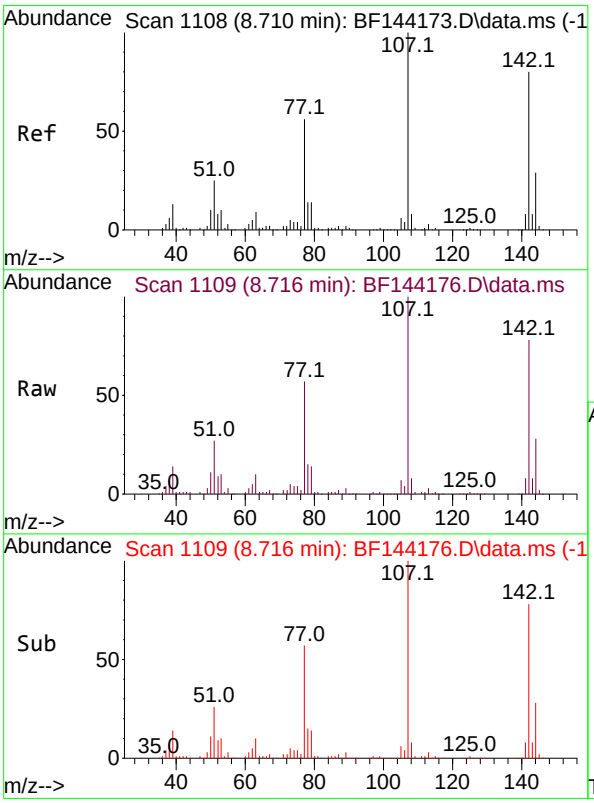
#35
Caprolactam
Concen: 79.765 ng
RT: 8.622 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 91899

Ion	Ratio	Lower	Upper
113	100		
55	191.2	166.8	206.8
56	152.5	125.9	165.9

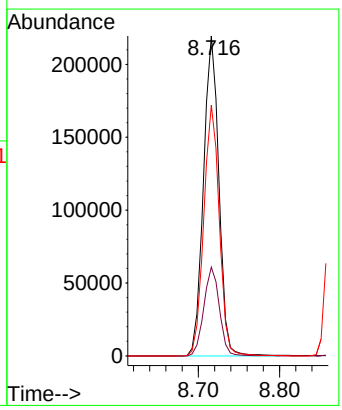


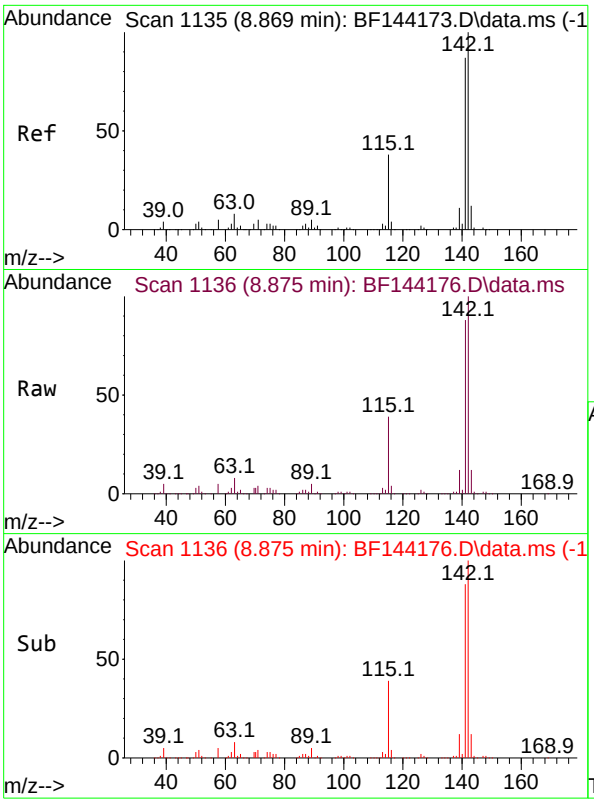


#36
4-Chloro-3-methylphenol
Concen: 76.969 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:107 Resp: 290083

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.3	34.9
142	78.3	63.8	95.6



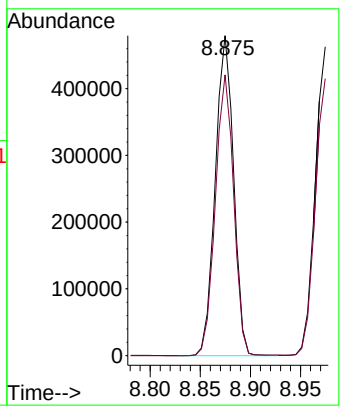


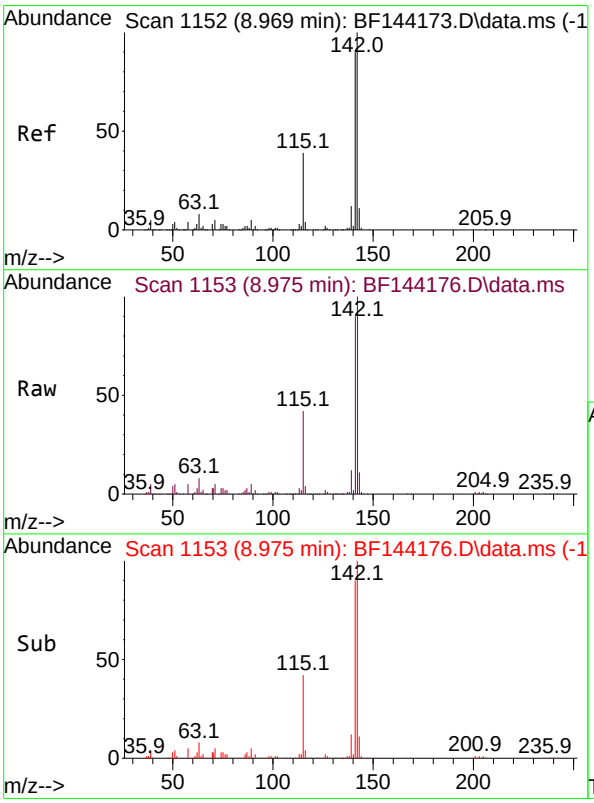
#37
2-Methylnaphthalene
Concen: 73.386 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 610532

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

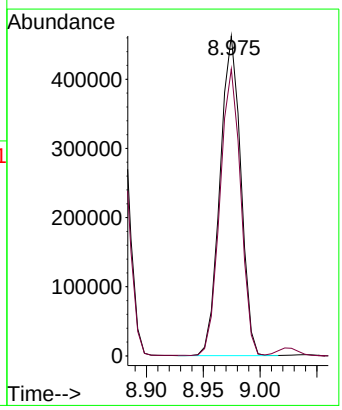


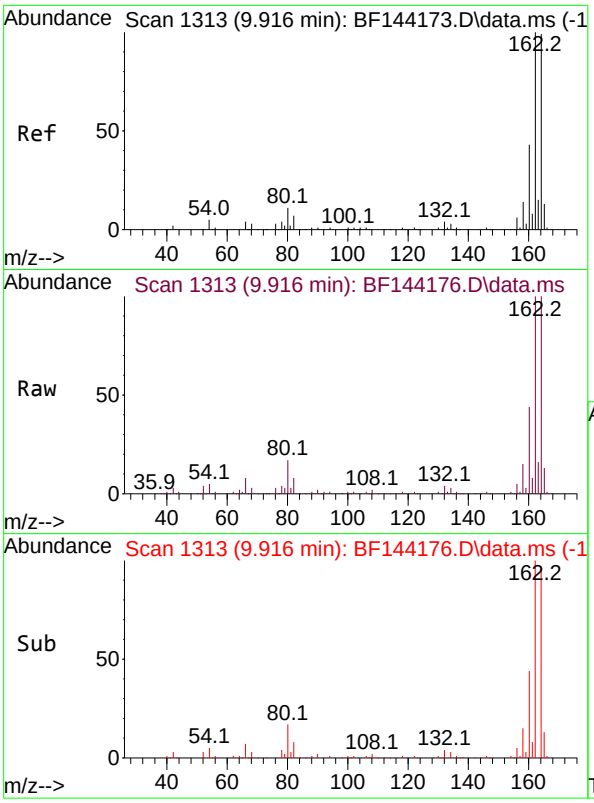


#38
1-Methylnaphthalene
Concen: 73.093 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:142 Resp: 586747

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.1	108.1



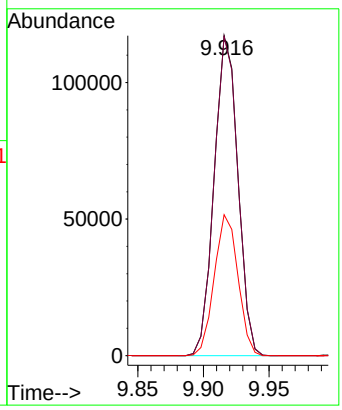


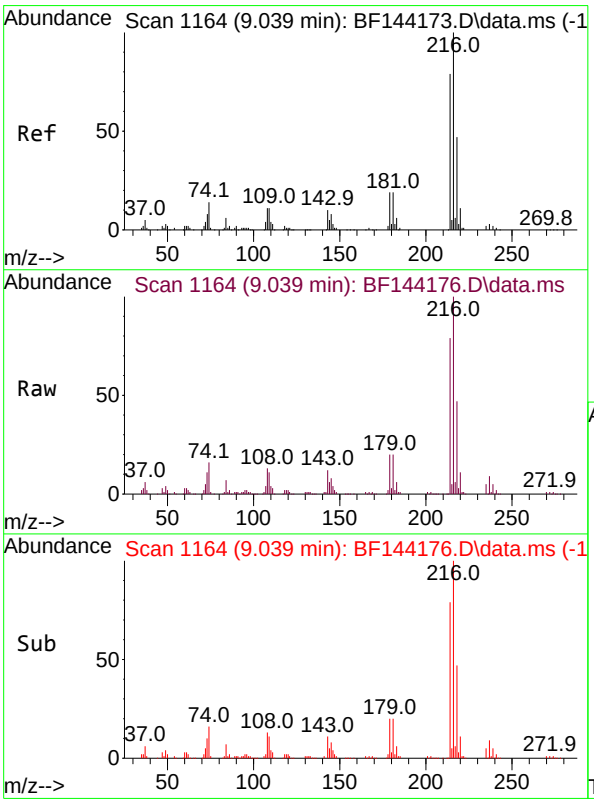
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 147600

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.1	121.7
160	44.0	34.5	51.7

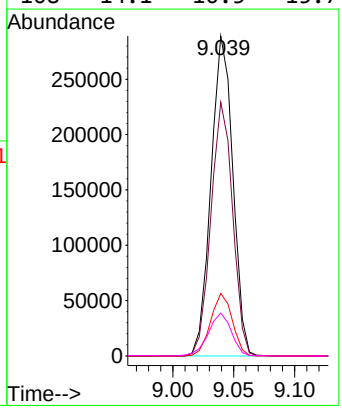


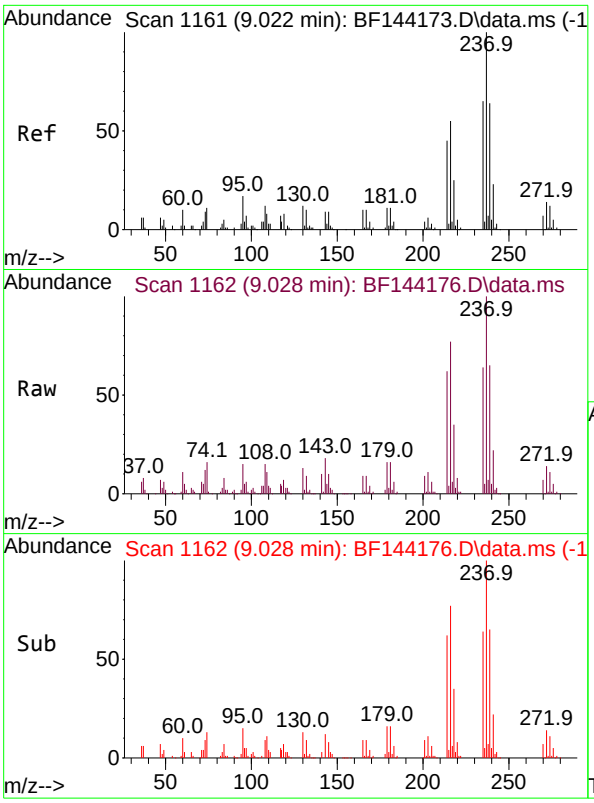


#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.631 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:216 Resp: 361014

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.4	95.2
179	19.3	15.0	22.4
108	14.1	10.5	15.7



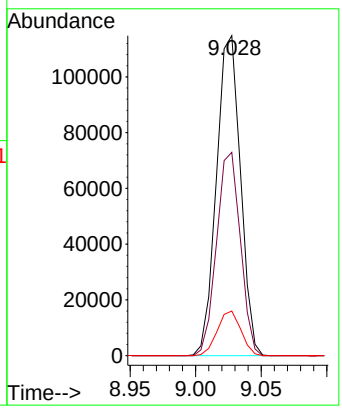


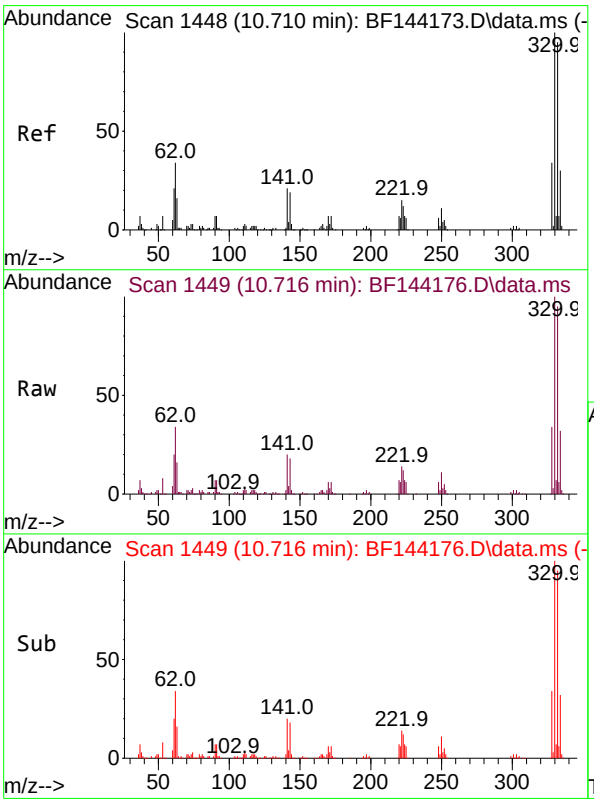
#41
Hexachlorocyclopentadiene
Concen: 78.238 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 146524

Ion	Ratio	Lower	Upper
237	100		
235	63.5	45.5	85.5
272	13.9	0.0	33.5

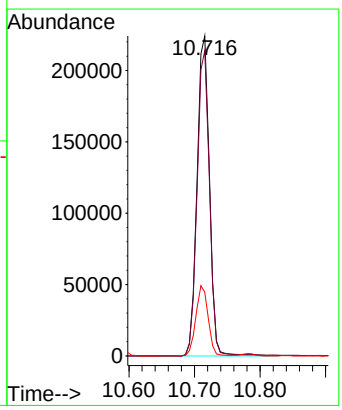


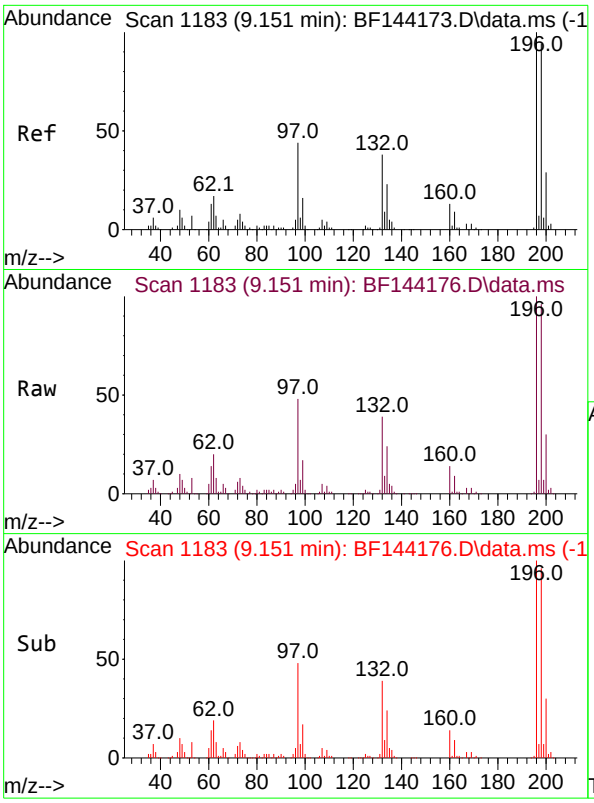


#42
2,4,6-Tribromophenol
Concen: 158.489 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:330 Resp: 293555

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.7	115.1
141	21.7	17.8	26.8



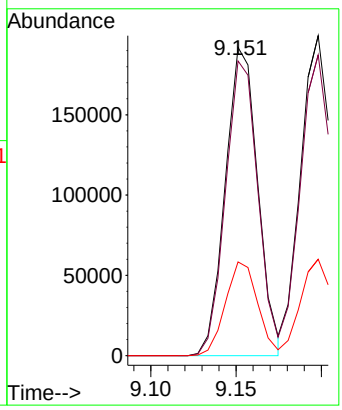


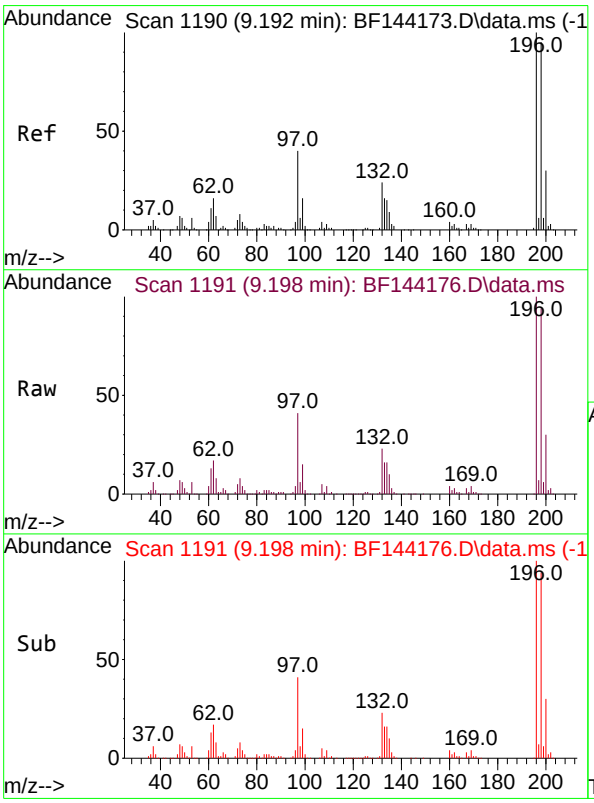
#43
2,4,6-Trichlorophenol
Concen: 77.355 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 254681

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.3	112.9
200	30.4	23.4	35.2

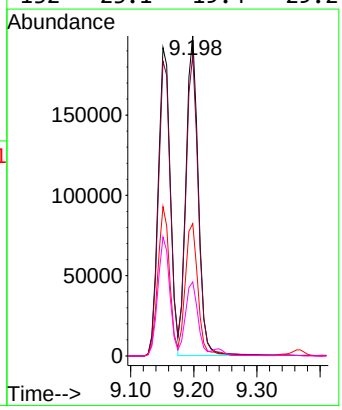


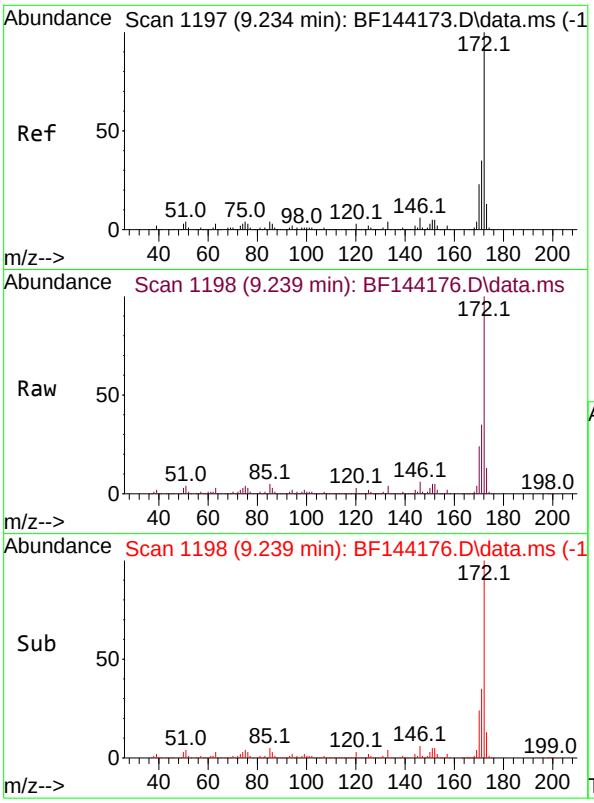


#44
2,4,5-Trichlorophenol
Concen: 75.791 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:196 Resp: 268940

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.1	114.1
97	41.3	31.9	47.9
132	23.1	19.4	29.2



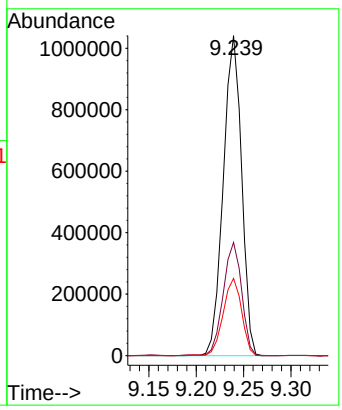


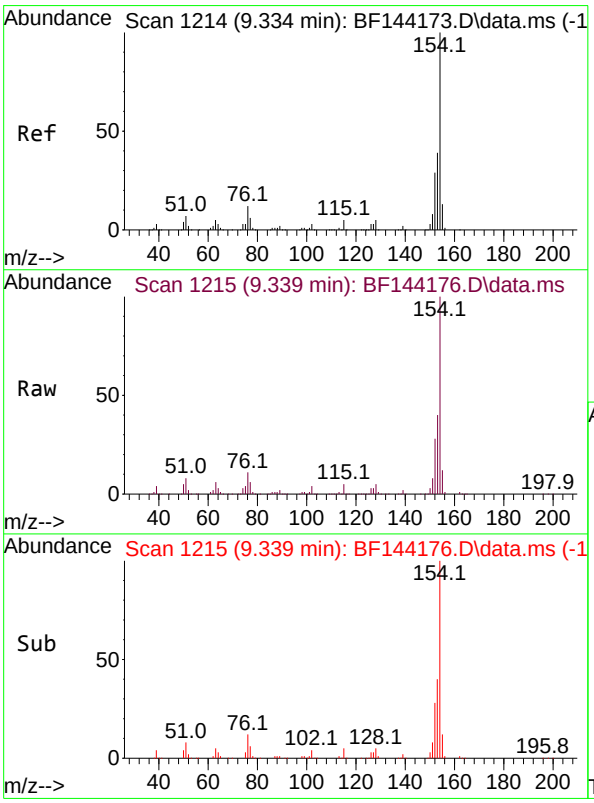
#45
2-Fluorobiphenyl
Concen: 139.809 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1397211

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.1	42.1
170	24.1	18.6	28.0

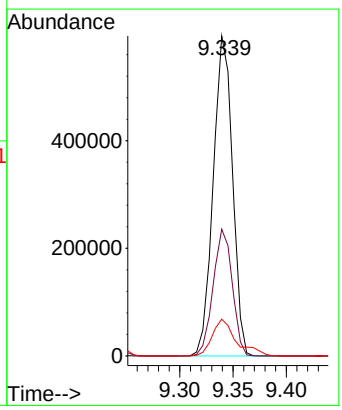


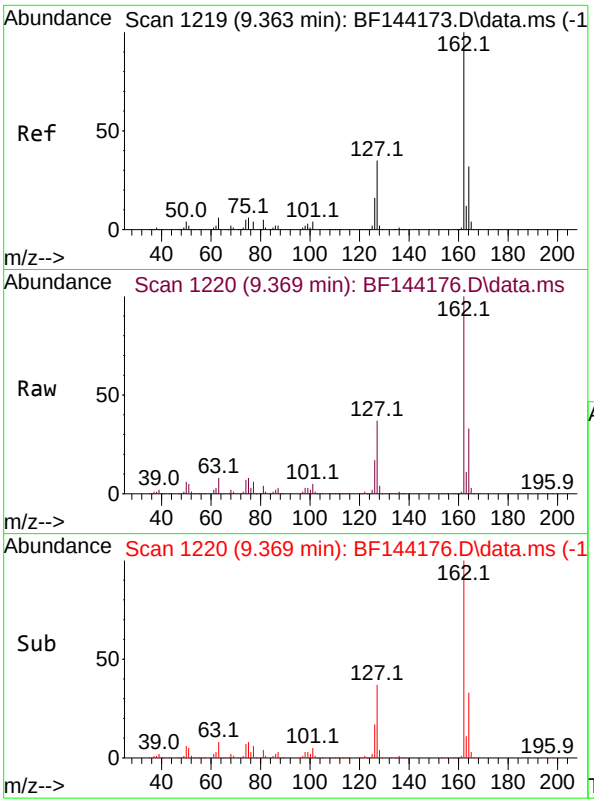


#46
1,1'-Biphenyl
Concen: 72.784 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:154 Resp: 749883

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.2	59.2
76	11.5	0.0	31.8



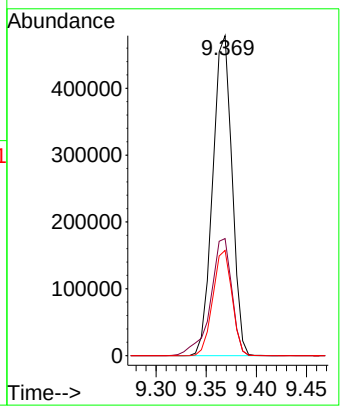


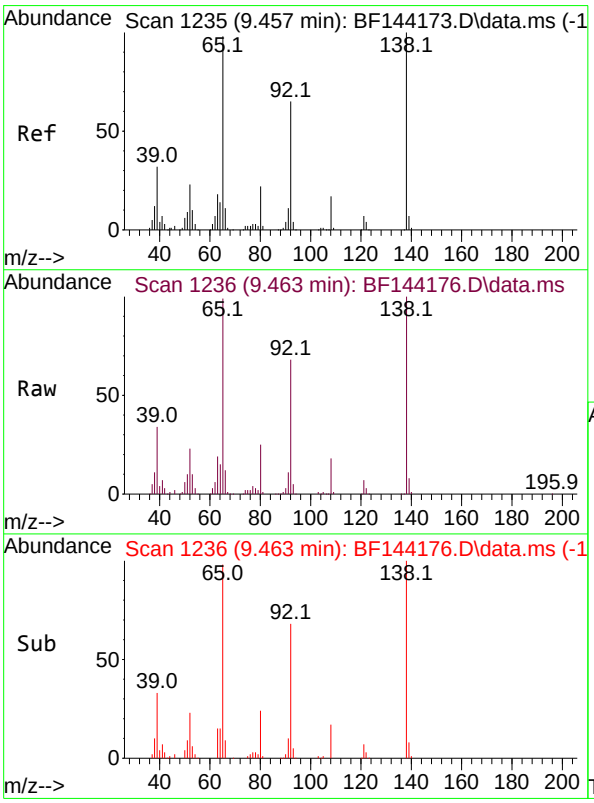
#47
2-Chloronaphthalene
Concen: 72.995 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 641521

Ion	Ratio	Lower	Upper
162	100		
127	36.6	28.8	43.2
164	32.9	25.8	38.8

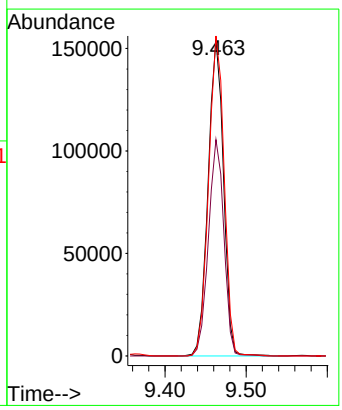


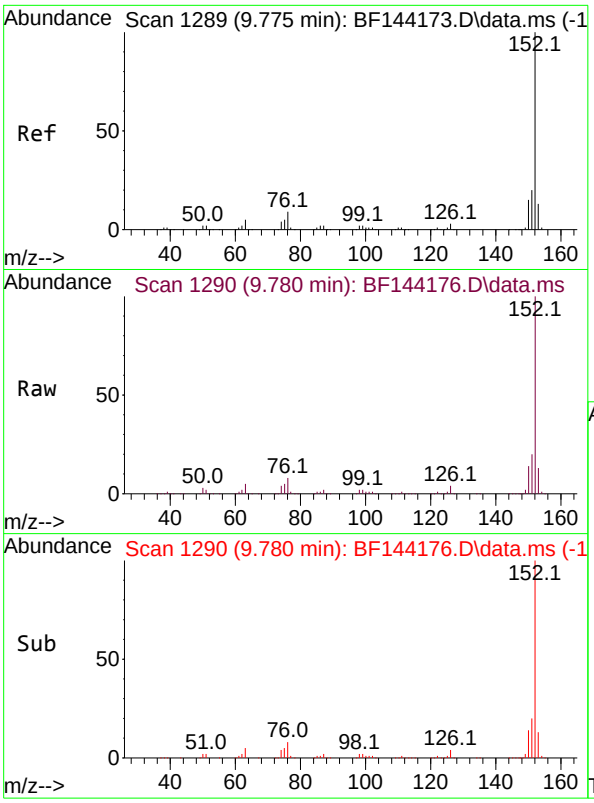


#48
2-Nitroaniline
Concen: 80.348 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion: 65 Resp: 203746

Ion	Ratio	Lower	Upper
65	100		
92	68.3	53.0	79.6
138	101.1	81.6	122.4



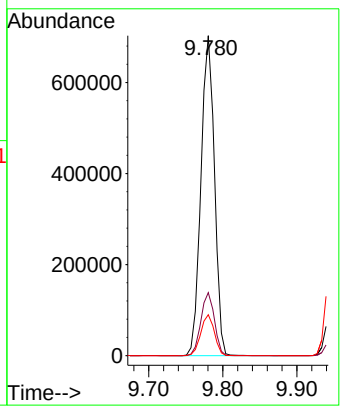


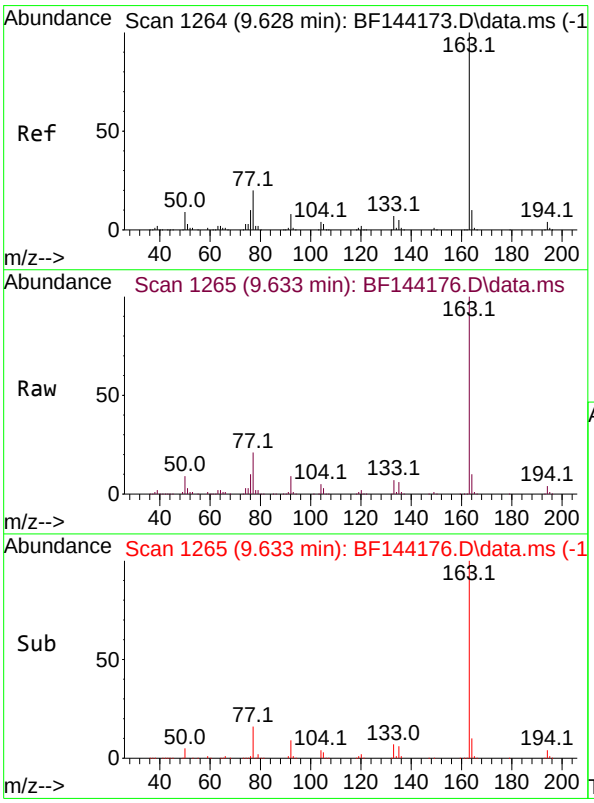
#49
Acenaphthylene
Concen: 74.264 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 889410

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.8	10.5	15.7

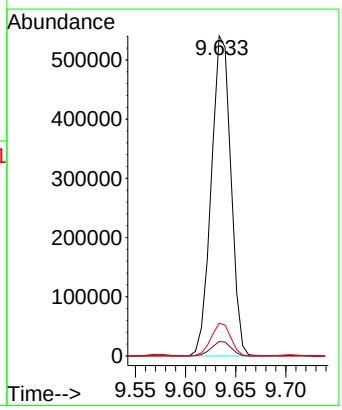


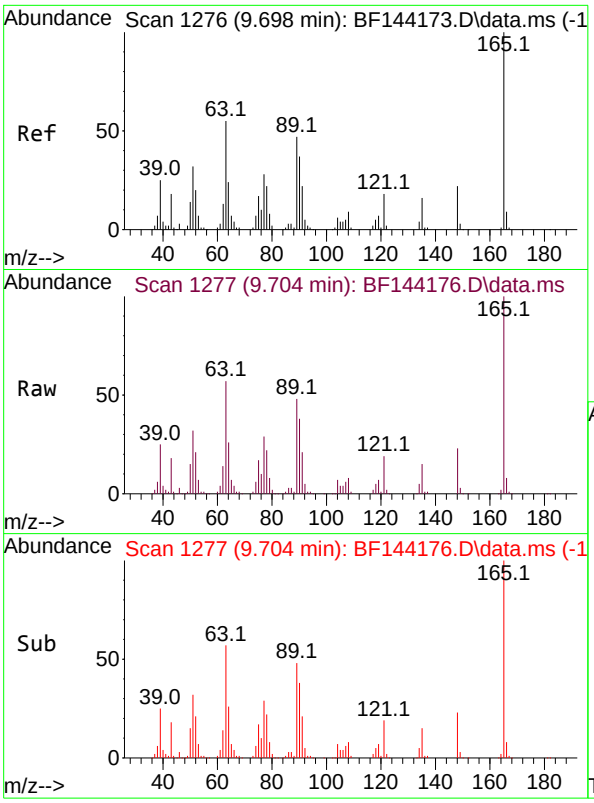


#50
Dimethylphthalate
Concen: 75.318 ng
RT: 9.633 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:163 Resp: 736477

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.2	8.1	12.1



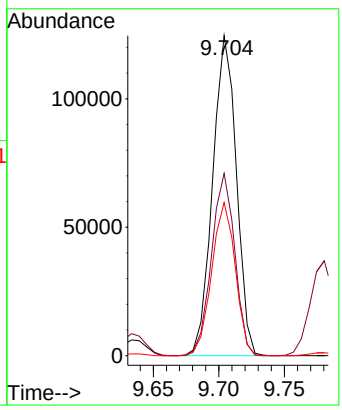


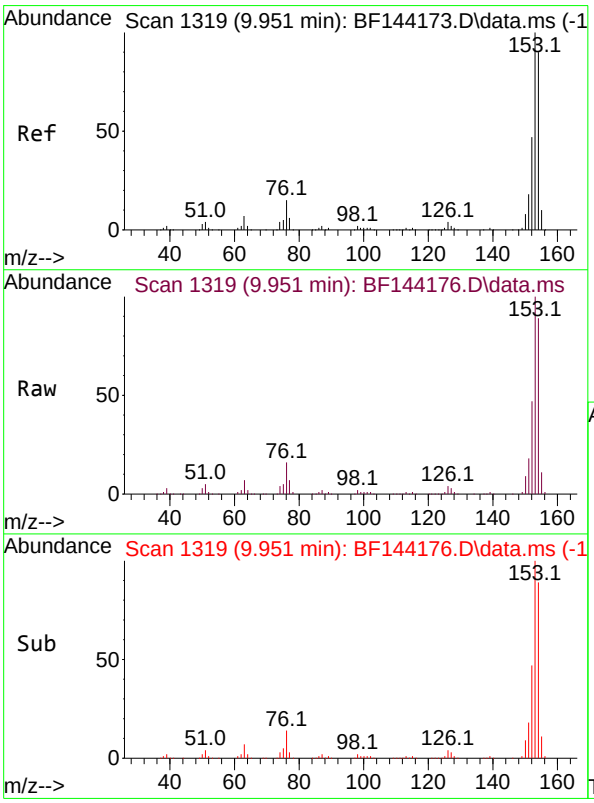
#51
2,6-Dinitrotoluene
Concen: 79.250 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 156870

Ion	Ratio	Lower	Upper
165	100		
63	56.9	43.8	65.8
89	47.8	37.5	56.3

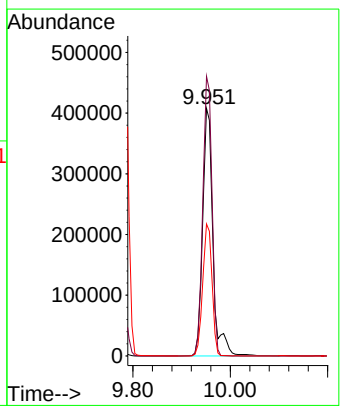


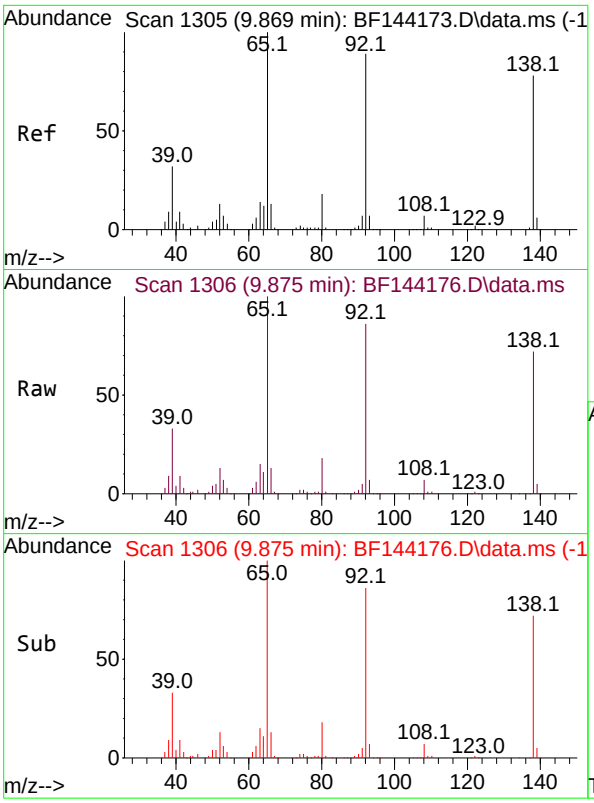


#52
Acenaphthene
Concen: 74.243 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:154 Resp: 594593

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.0	133.4
152	53.3	42.2	63.4



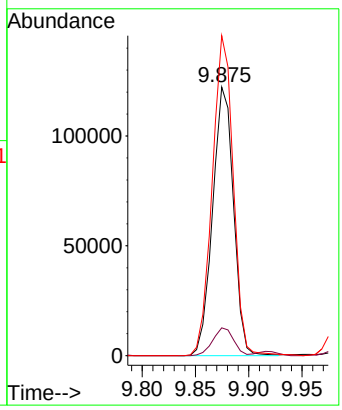


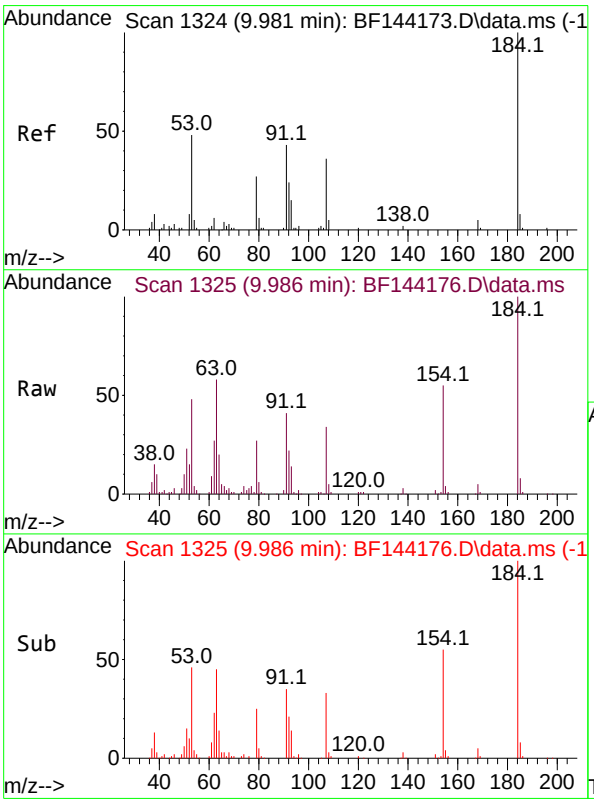
#53
3-Nitroaniline
Concen: 77.230 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 167110

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.5	11.3
92	119.2	91.8	137.6

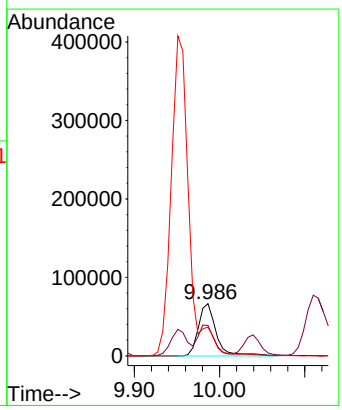


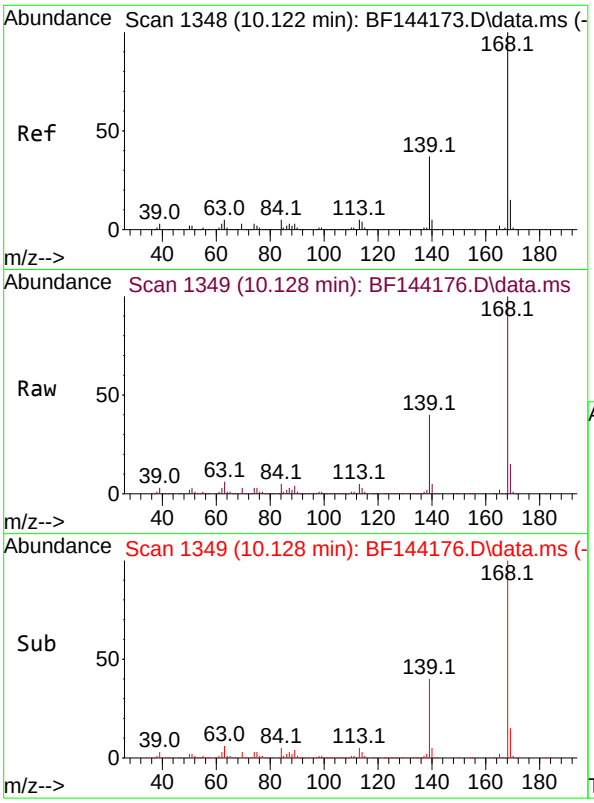


#54
2,4-Dinitrophenol
Concen: 80.924 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:184 Resp: 96727

Ion	Ratio	Lower	Upper
184	100		
63	58.3	44.0	66.0
154	55.4	42.4	63.6



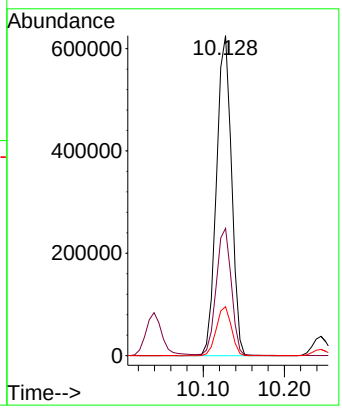


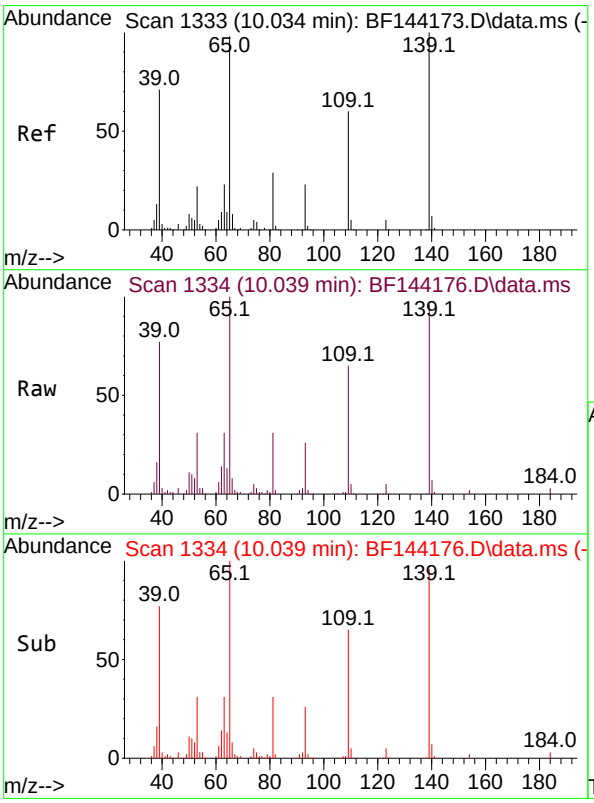
#55
Dibenzofuran
Concen: 71.517 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 802174

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.2	45.2
169	15.3	12.2	18.4

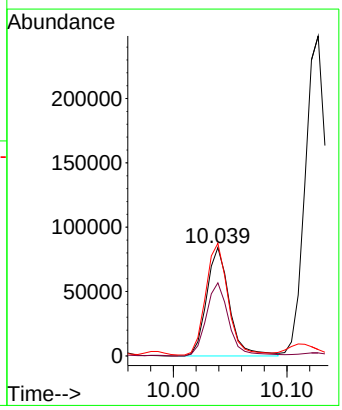


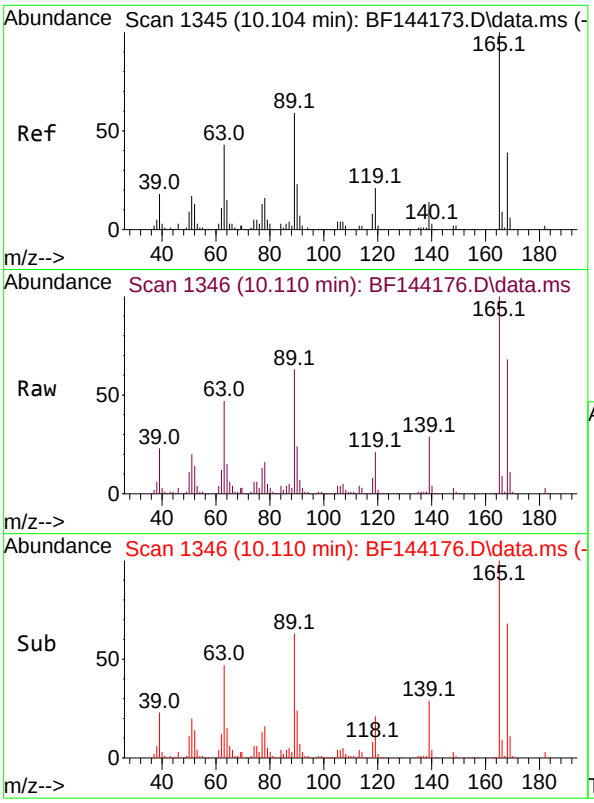


#56
4-Nitrophenol
Concen: 74.782 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:139 Resp: 117050

Ion	Ratio	Lower	Upper
139	100		
109	67.5	39.9	79.9
65	104.1	79.5	119.5



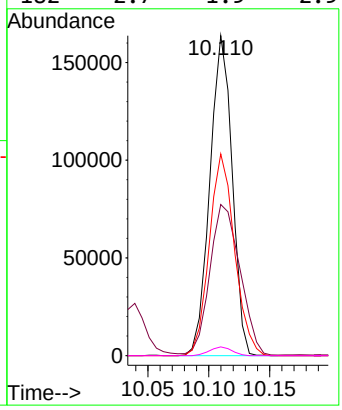


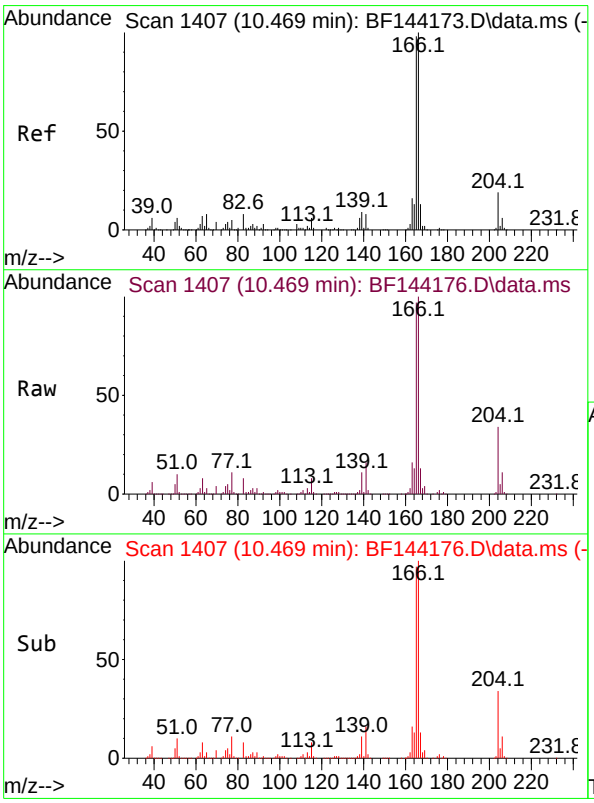
#57
2,4-Dinitrotoluene
Concen: 78.661 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 208441

Ion	Ratio	Lower	Upper
165	100		
63	47.2	35.5	53.3
89	63.0	47.4	71.2
182	2.7	1.9	2.9

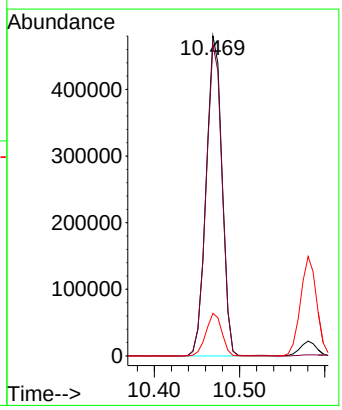


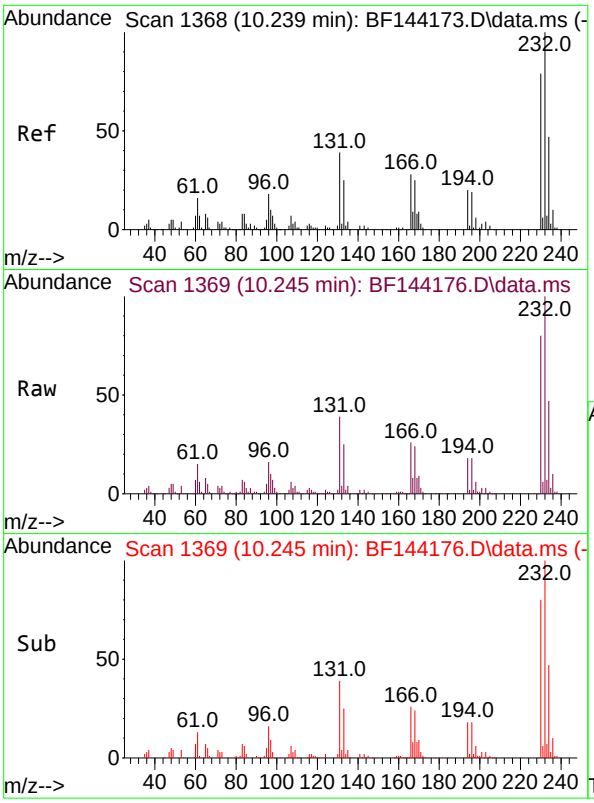


#58
Fluorene
Concen: 72.526 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:166 Resp: 618508

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	118.0
167	13.3	10.4	15.6



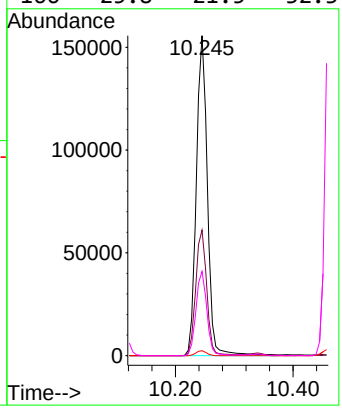


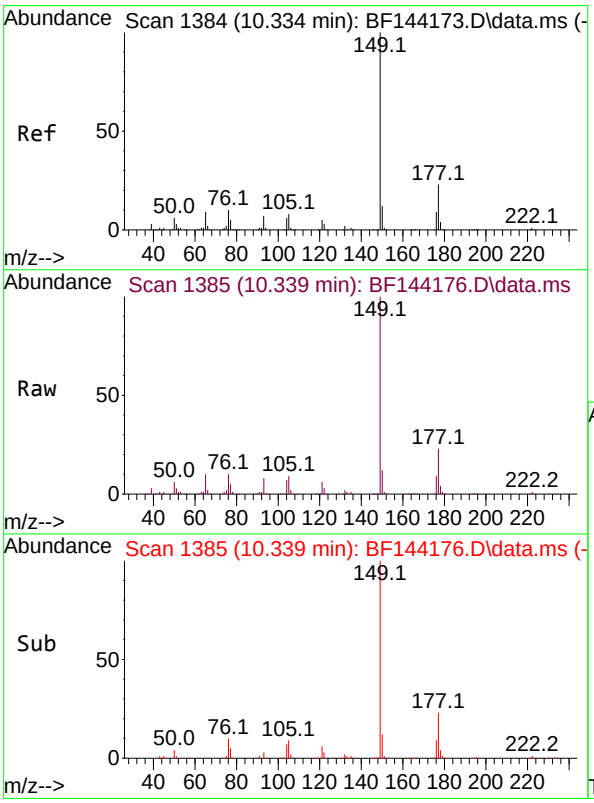
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.067 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 203523

Ion	Ratio	Lower	Upper
232	100		
131	39.0	30.3	45.5
130	1.4	1.2	1.8
166	25.8	21.5	32.3

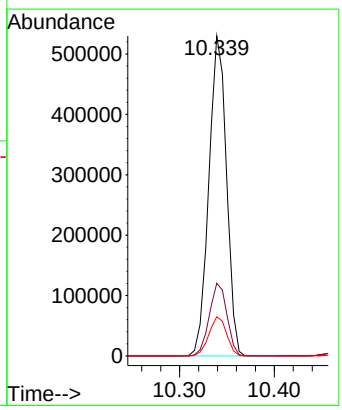


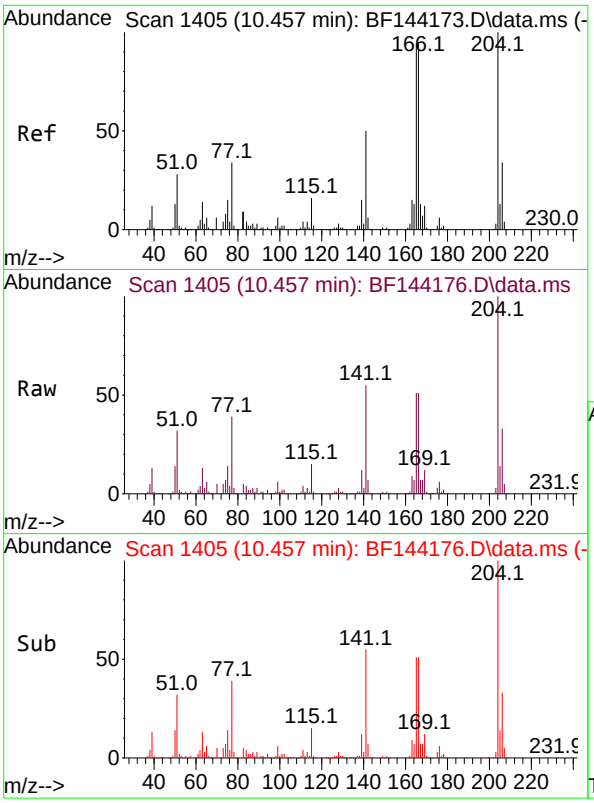


#60
Diethylphthalate
Concen: 76.182 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 686705

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	12.2	9.8	14.6



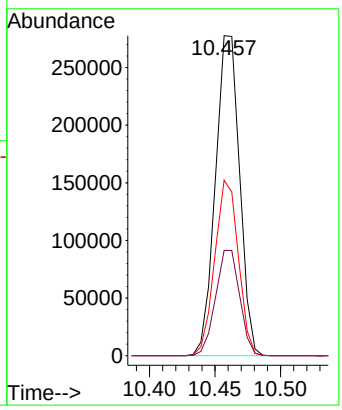


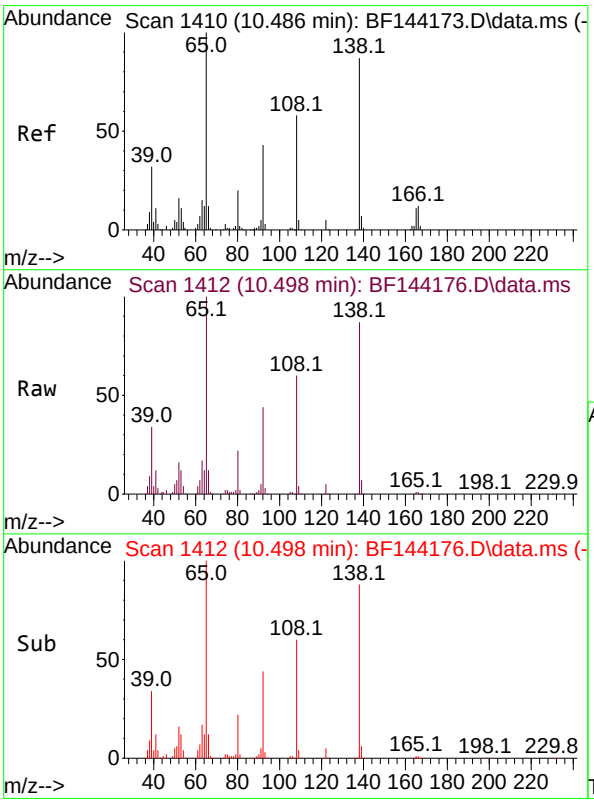
#61
4-Chlorophenyl-phenylether
Concen: 73.492 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 357010

Ion	Ratio	Lower	Upper
204	100		
206	32.9	27.4	41.2
141	54.8	40.0	60.0

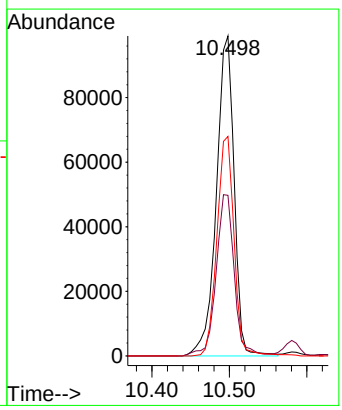


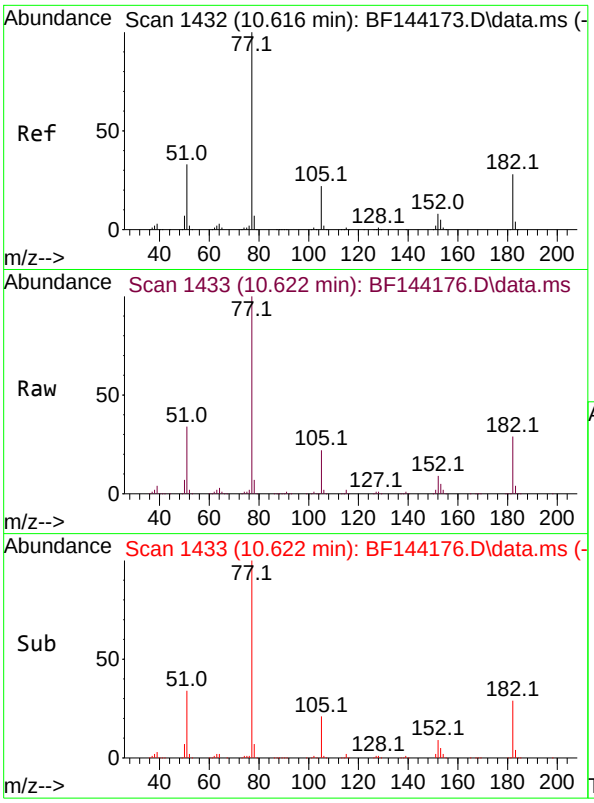


#62
4-Nitroaniline
Concen: 76.889 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:138 Resp: 158441

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.4	69.4
108	68.6	46.4	86.4



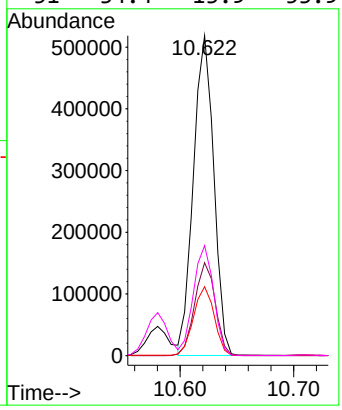


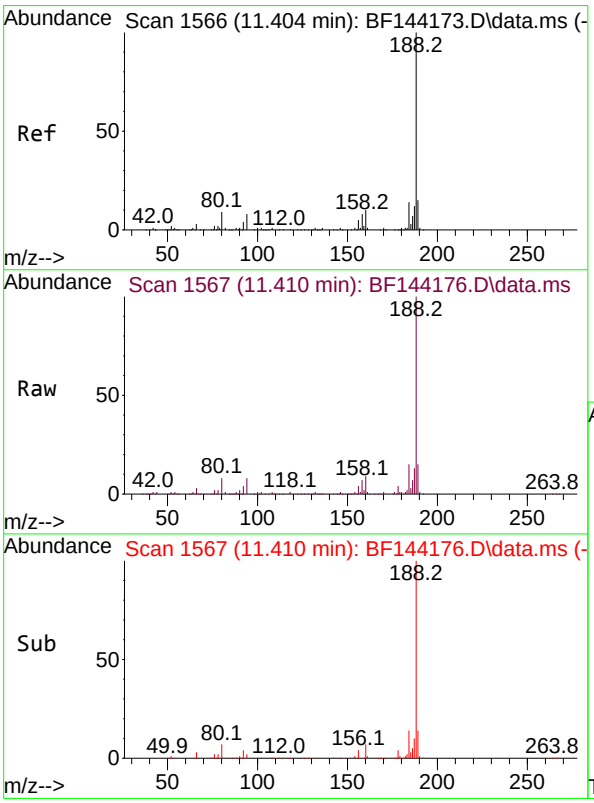
#63
Azobenzene
Concen: 77.117 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 646943

Ion	Ratio	Lower	Upper
77	100		
182	29.0	8.1	48.1
105	21.6	2.0	42.0
51	34.4	13.9	53.9

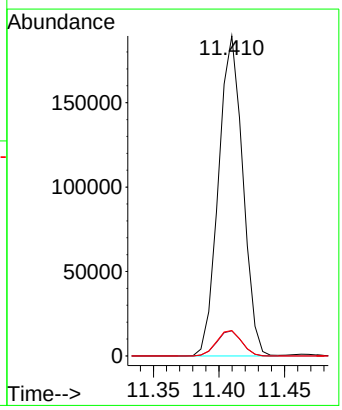


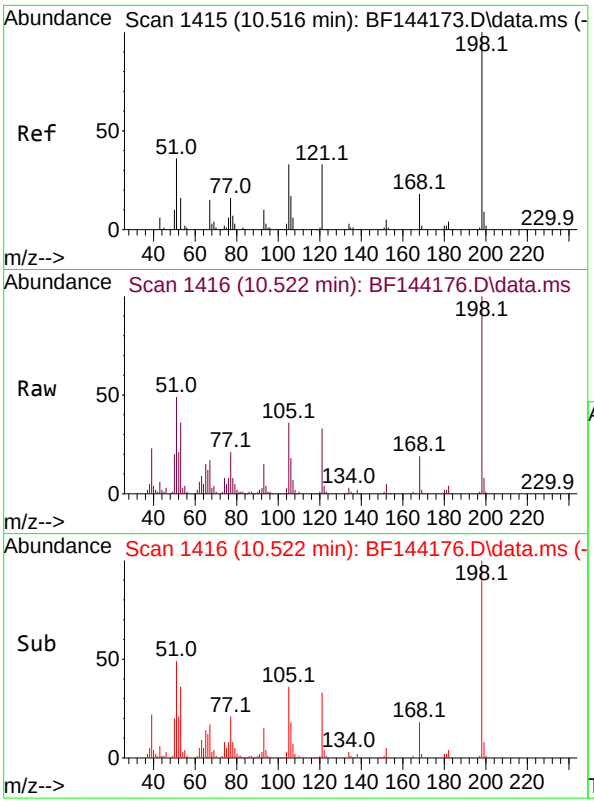


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:188 Resp: 244733

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.2	9.2
80	7.9	6.9	10.3



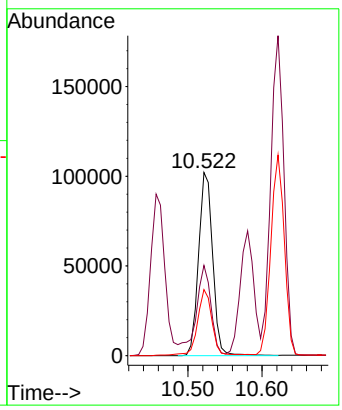


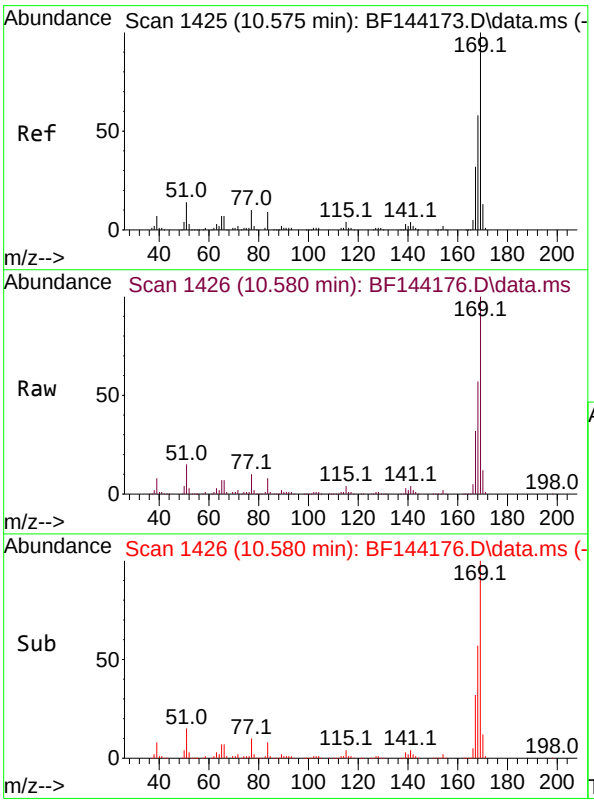
#65
4,6-Dinitro-2-methylphenol
Concen: 81.136 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 134894

Ion	Ratio	Lower	Upper
198	100		
51	49.2	25.6	65.6
105	36.0	14.6	54.6

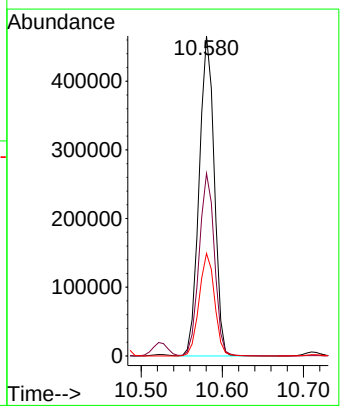


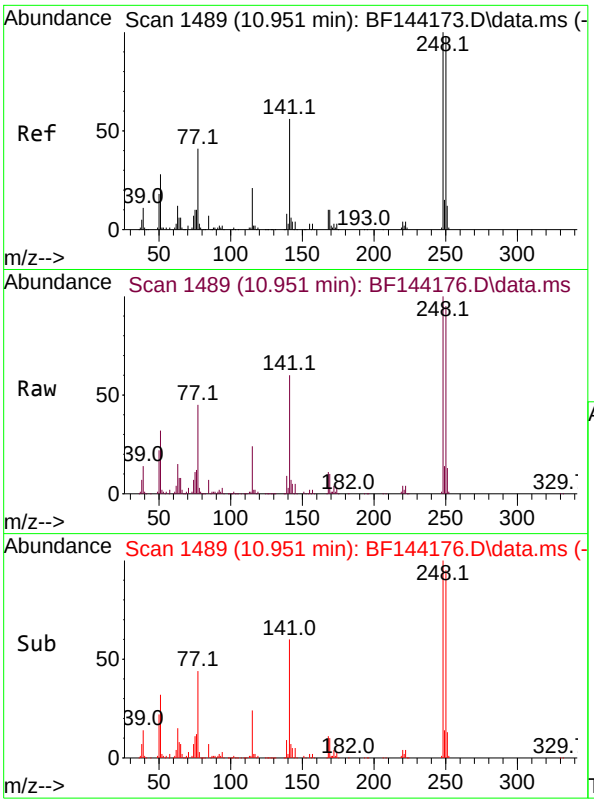


#66
n-Nitrosodiphenylamine
Concen: 76.327 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:169 Resp: 600791

Ion	Ratio	Lower	Upper
169	100		
168	57.0	46.2	69.2
167	32.1	25.7	38.5



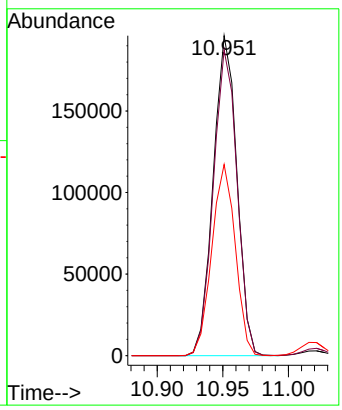


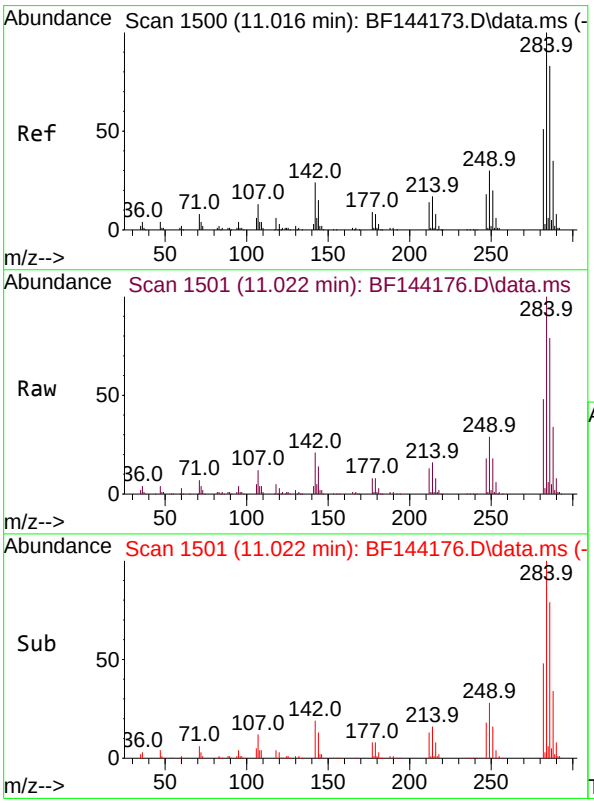
#67
4-Bromophenyl-phenylether
Concen: 78.826 ng
RT: 10.951 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 246236

Ion	Ratio	Lower	Upper
248	100		
250	95.5	78.4	117.6
141	59.8	45.1	67.7

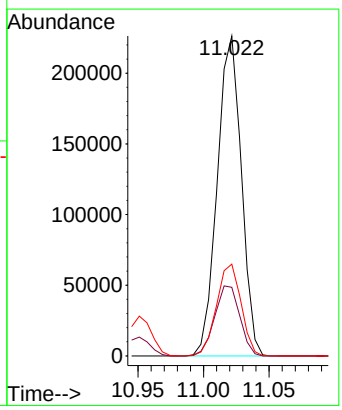


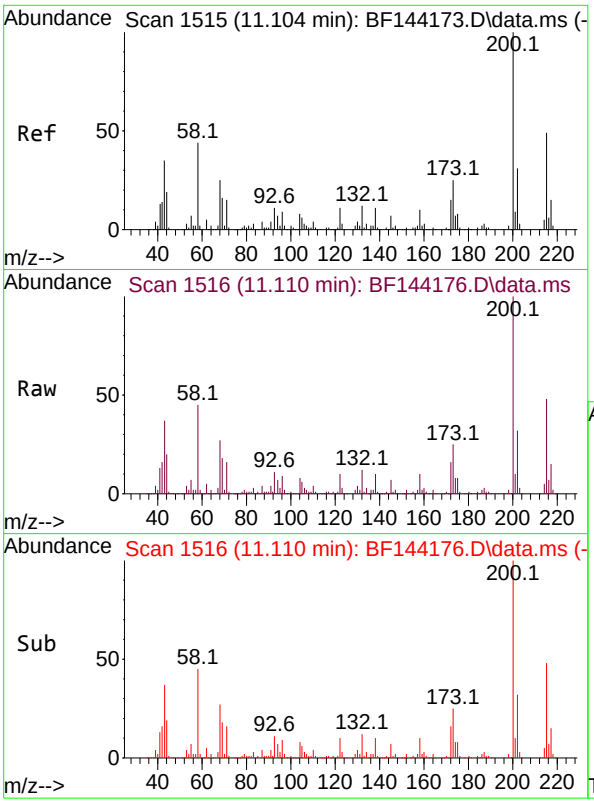


#68
Hexachlorobenzene
Concen: 78.769 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:284 Resp: 289823

Ion	Ratio	Lower	Upper
284	100		
142	21.4	19.2	28.8
249	28.7	23.8	35.8



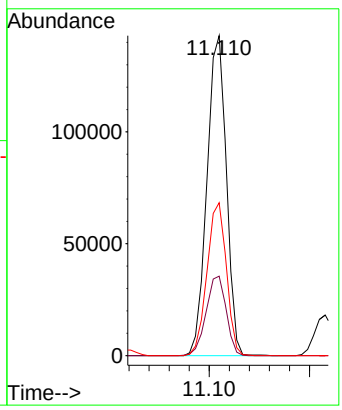


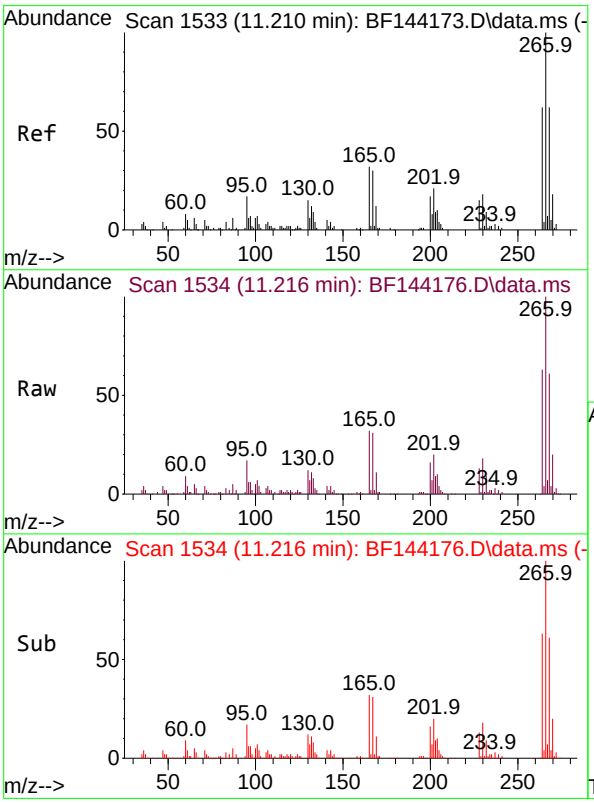
#69
Atrazine
Concen: 76.645 ng
RT: 11.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 191862

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.0	45.0
215	47.8	28.7	68.7

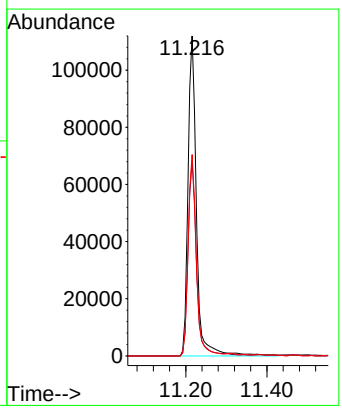


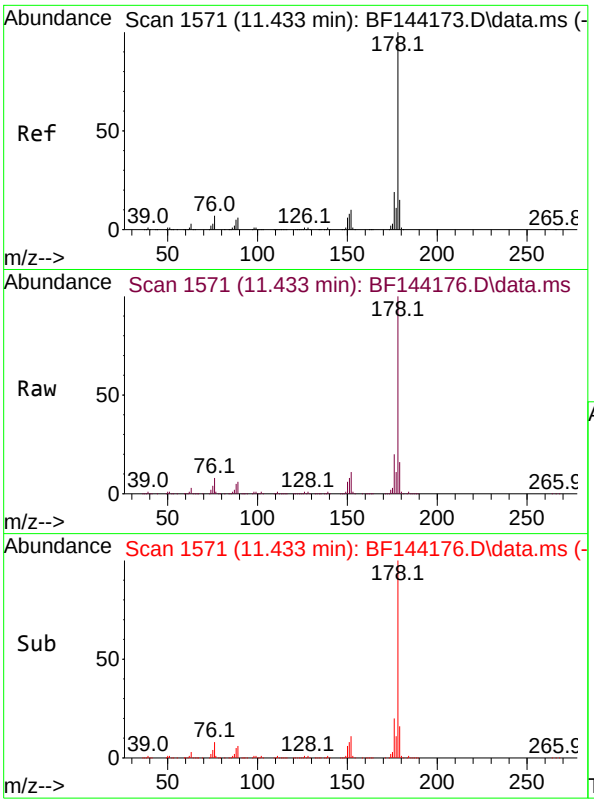


#70
Pentachlorophenol
Concen: 88.373 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:266 Resp: 161918

Ion	Ratio	Lower	Upper
266	100		
268	60.8	49.5	74.3
264	63.0	49.4	74.2



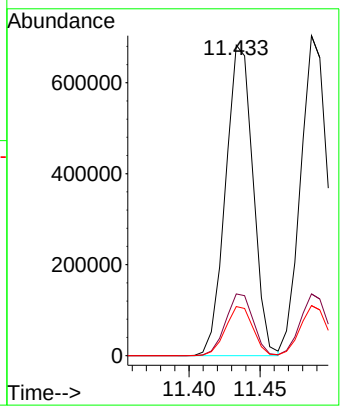


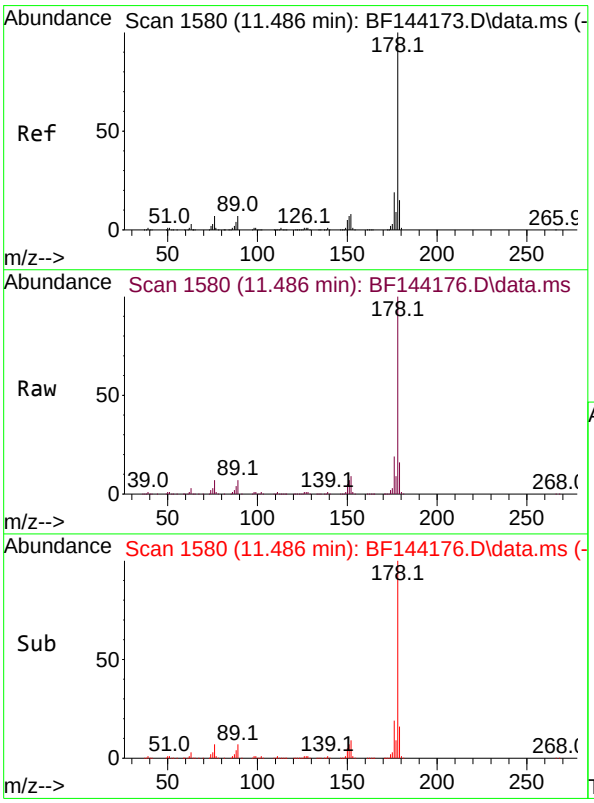
#71
Phenanthrene
Concen: 75.238 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 916773

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.8	12.2	18.4

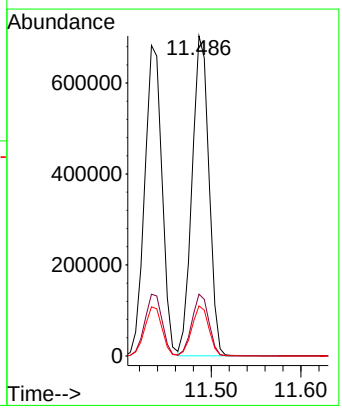


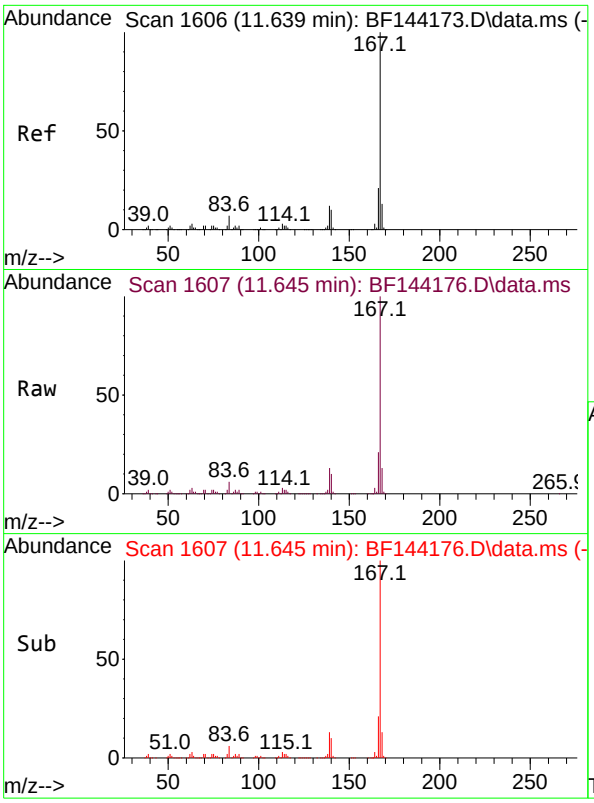


#72
Anthracene
Concen: 73.934 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:178 Resp: 916037

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.0	18.0



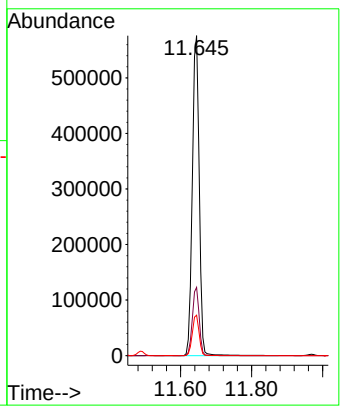


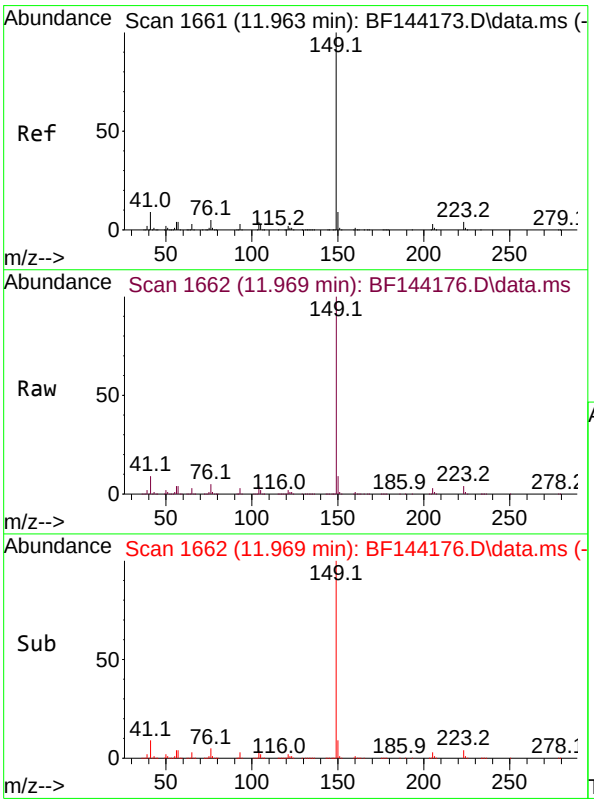
#73
Carbazole
Concen: 73.816 ng
RT: 11.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 777702

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.6	9.9	14.9

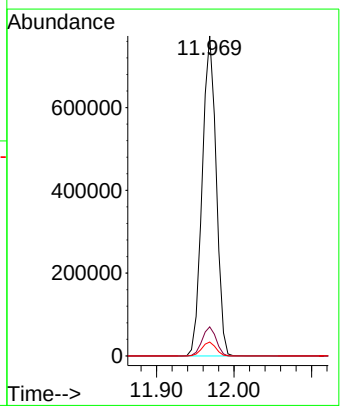


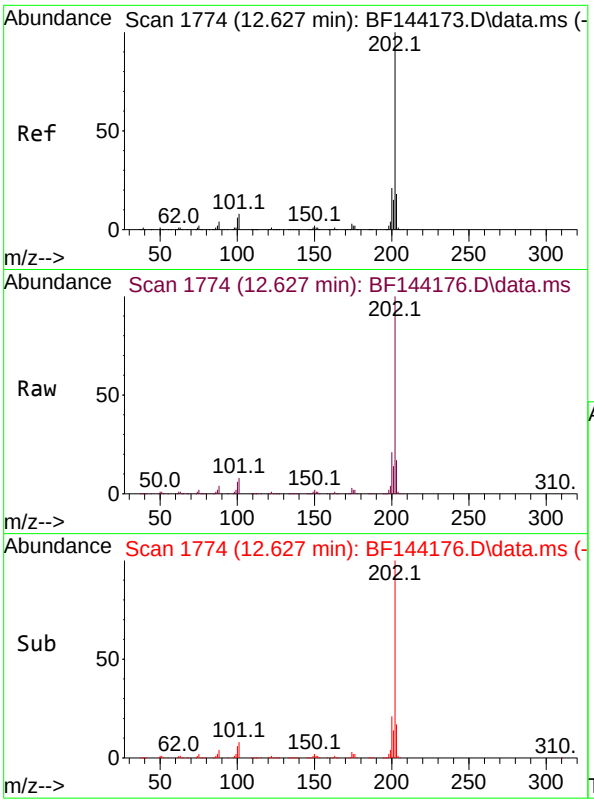


#74
Di-n-butylphthalate
Concen: 75.822 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 965695

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.3	3.4	5.2



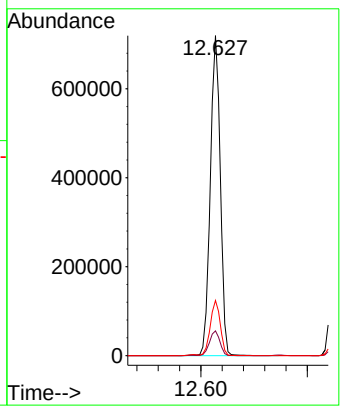


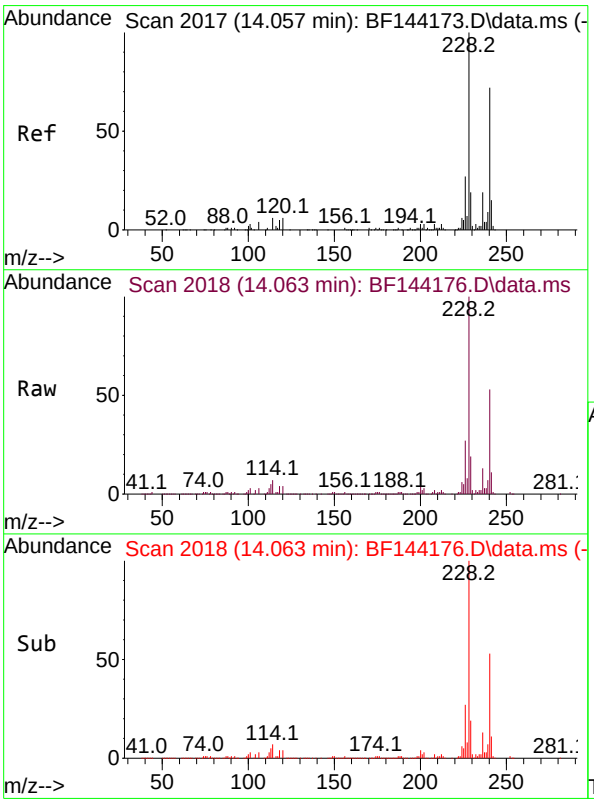
#75
Fluoranthene
Concen: 74.476 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 937436

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.9
203	17.2	0.0	37.5

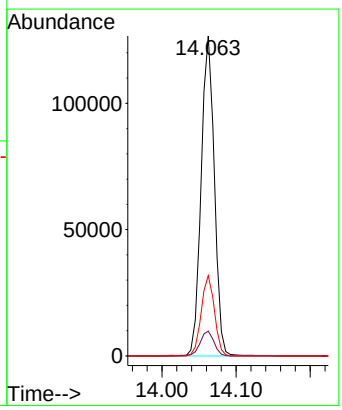


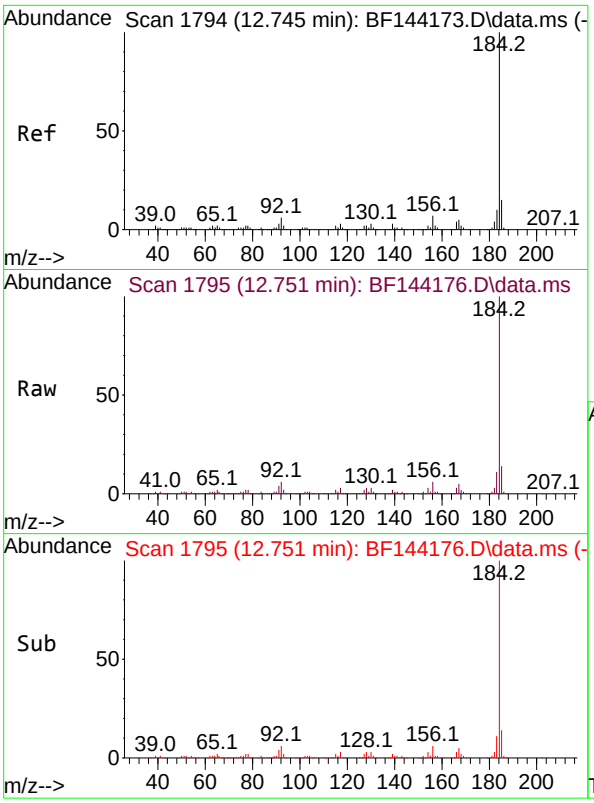


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:240 Resp: 156809

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	25.1	21.4	32.2



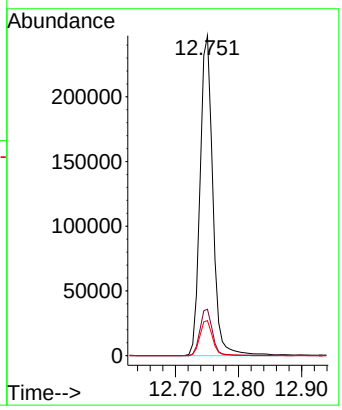


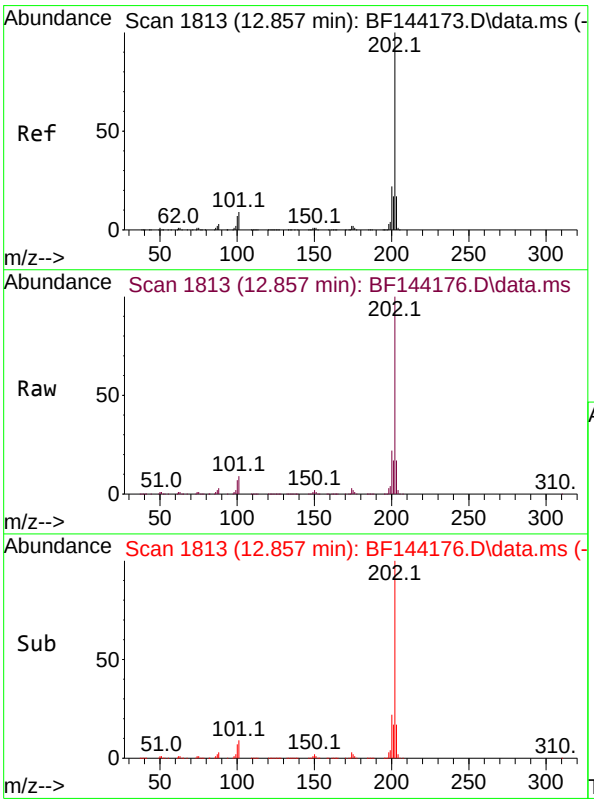
#77
Benzidine
Concen: 74.828 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 347077

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.7	17.5
183	10.9	8.3	12.5

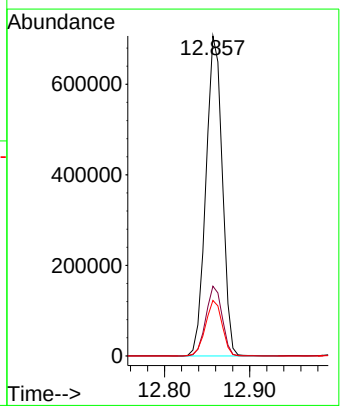


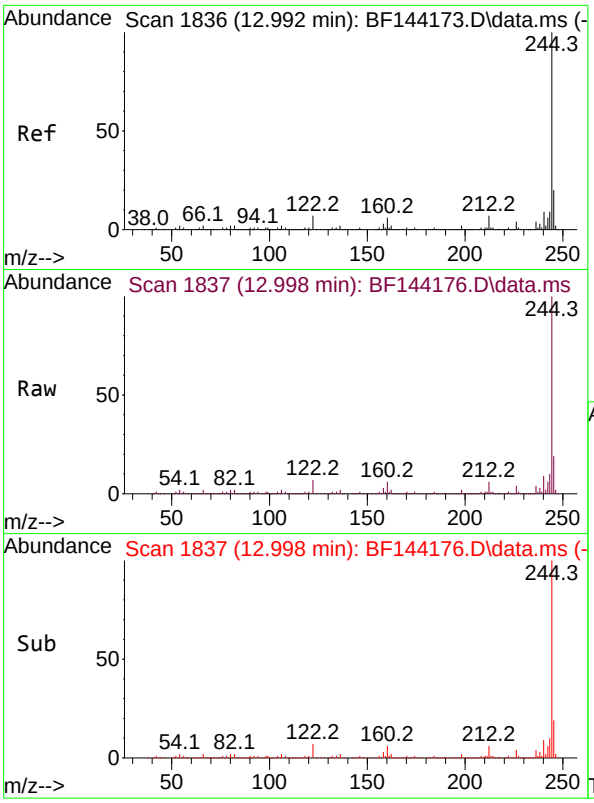


#78
Pyrene
Concen: 74.600 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:202 Resp: 943190

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.3	13.7	20.5



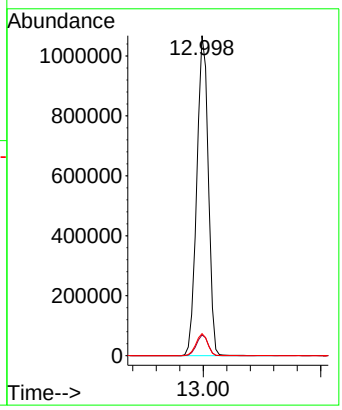


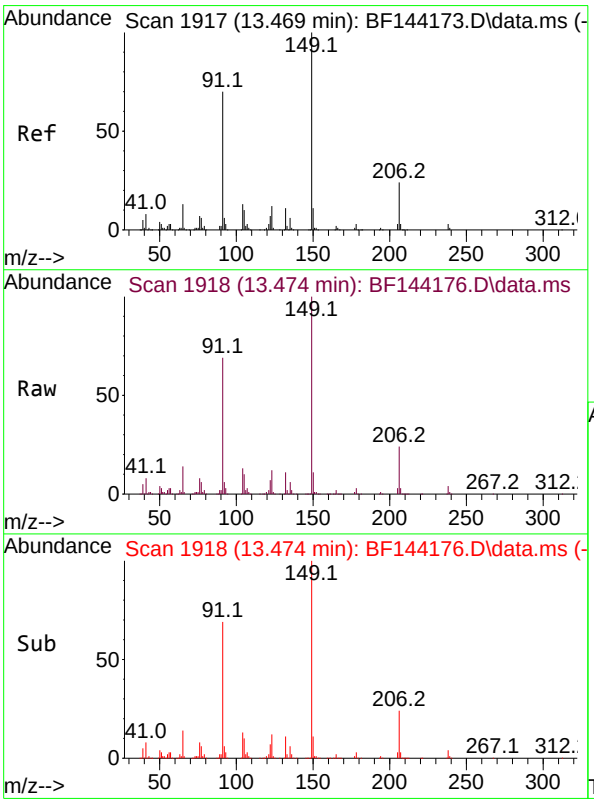
#79
Terphenyl-d14
Concen: 146.810 ng
RT: 12.998 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1449323

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	6.9	5.6	8.4

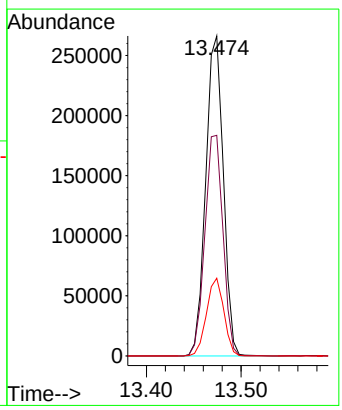


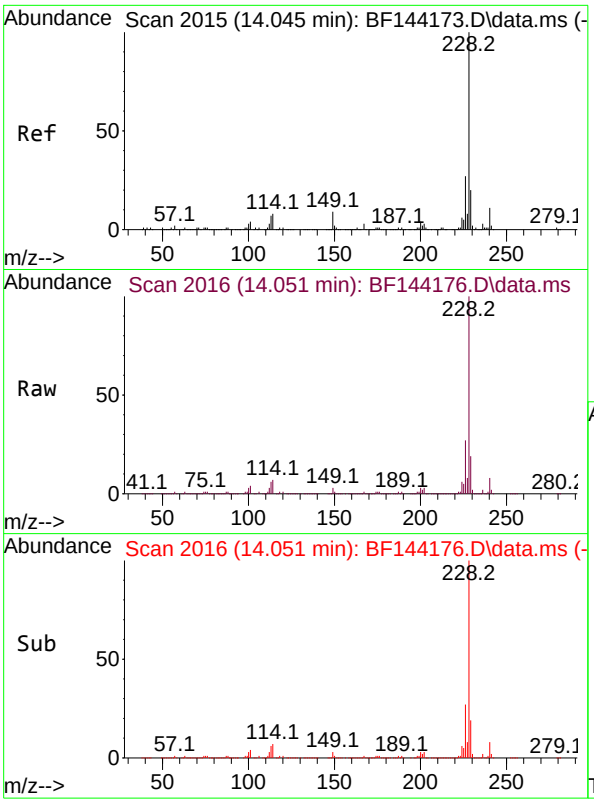


#80
Butylbenzylphthalate
Concen: 78.633 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 344575

Ion	Ratio	Lower	Upper
149	100		
91	68.9	56.1	84.1
206	24.3	18.8	28.2



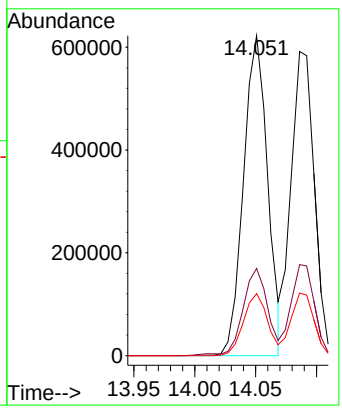


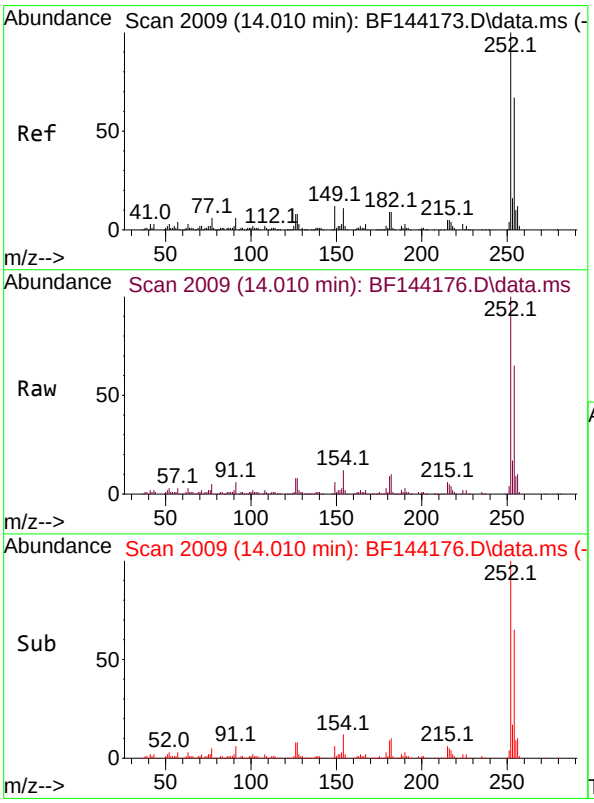
#81
Benzo(a)anthracene
Concen: 78.818 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 856602

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.4	15.8	23.6

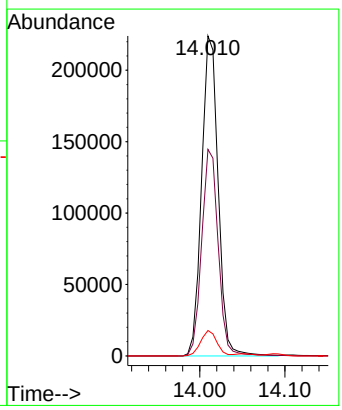


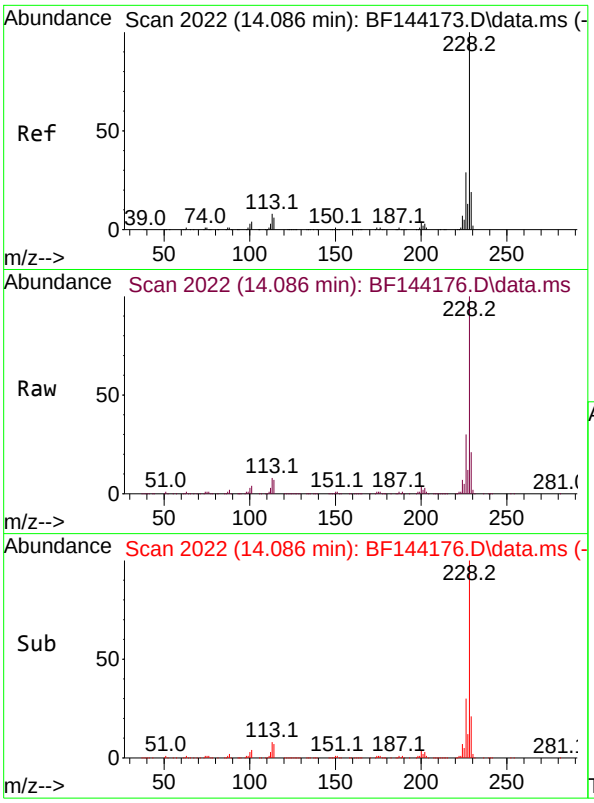


#82
3,3'-Dichlorobenzidine
Concen: 81.046 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 301919

Ion	Ratio	Lower	Upper
252	100		
254	64.5	53.5	80.3
126	7.9	6.4	9.6



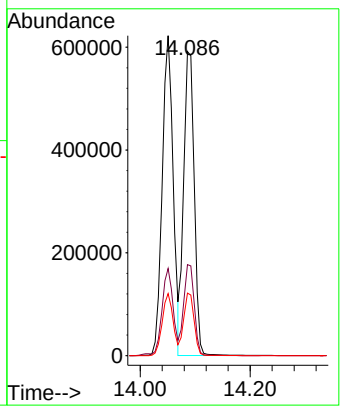


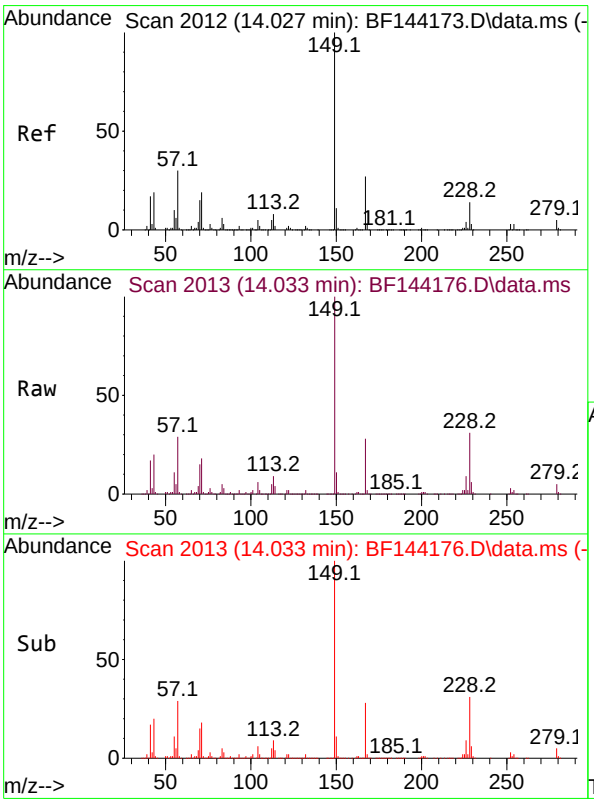
#83
Chrysene
Concen: 78.982 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 792397

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.9	34.3
229	20.5	15.0	22.6

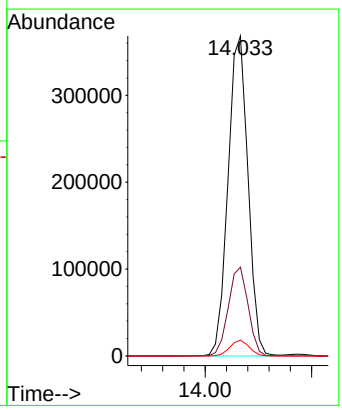


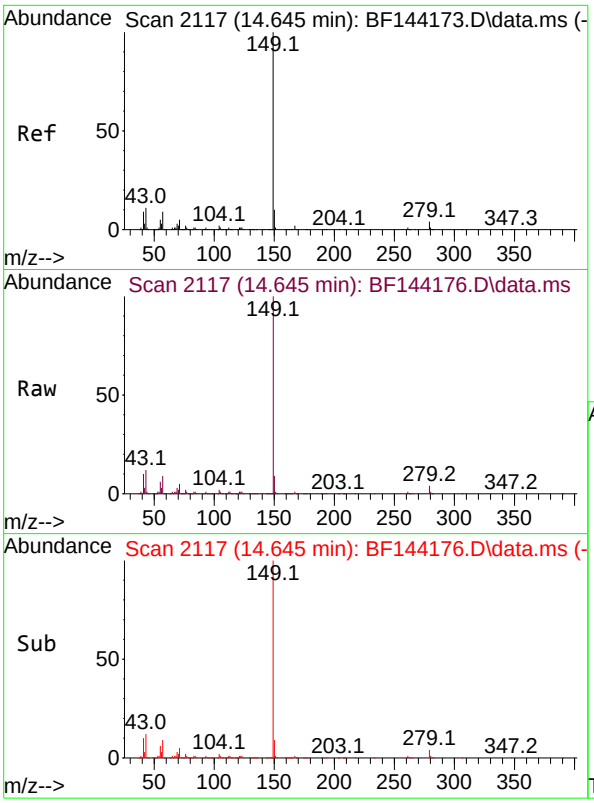


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.898 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:149 Resp: 479285

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.8	32.8
279	4.9	3.7	5.5



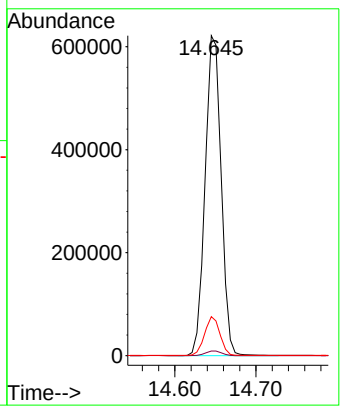


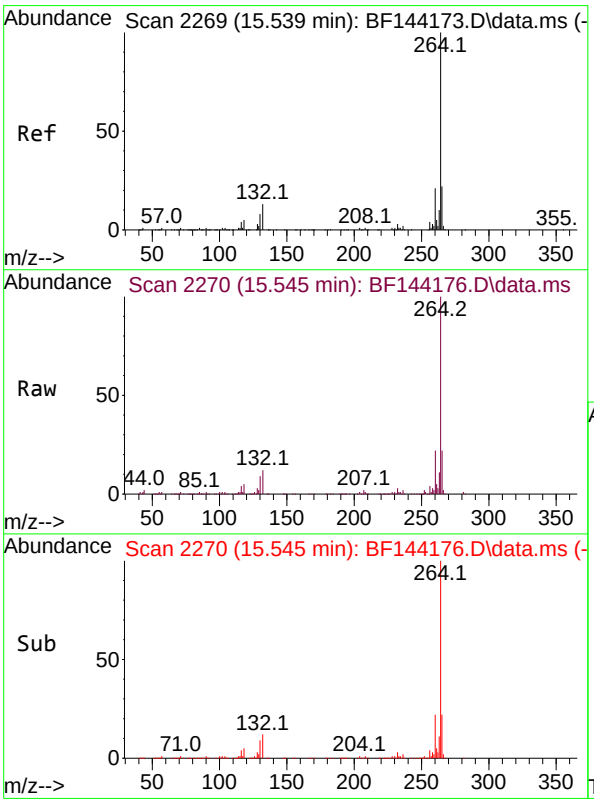
#85
Di-n-octyl phthalate
Concen: 82.657 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 855486

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.5	9.0	13.4

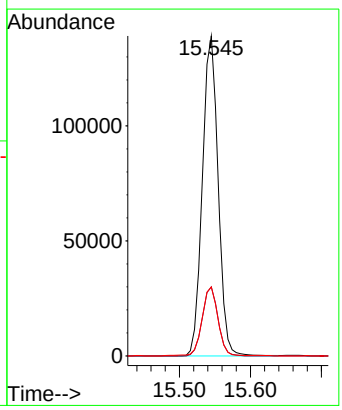


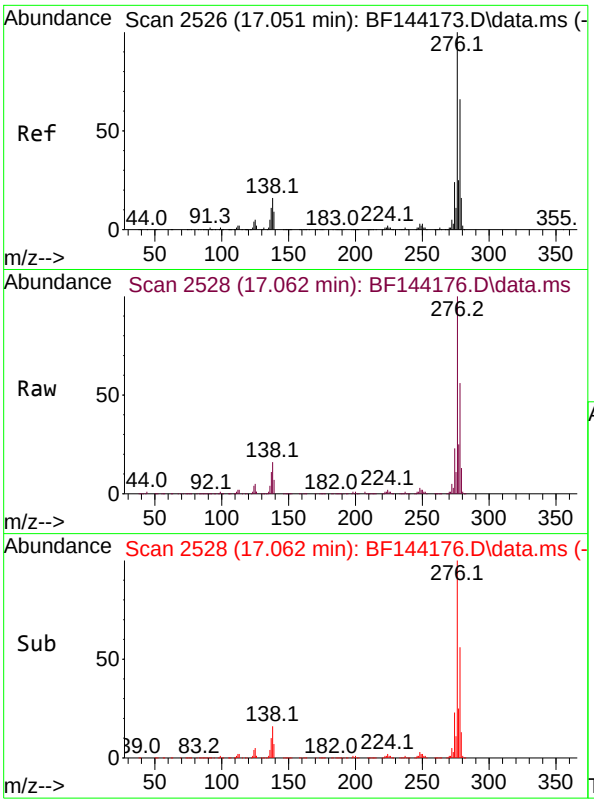


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:264 Resp: 213275

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	21.5	17.4	26.0



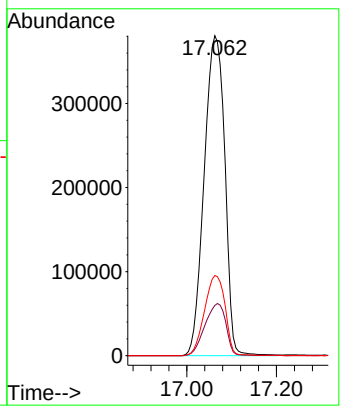


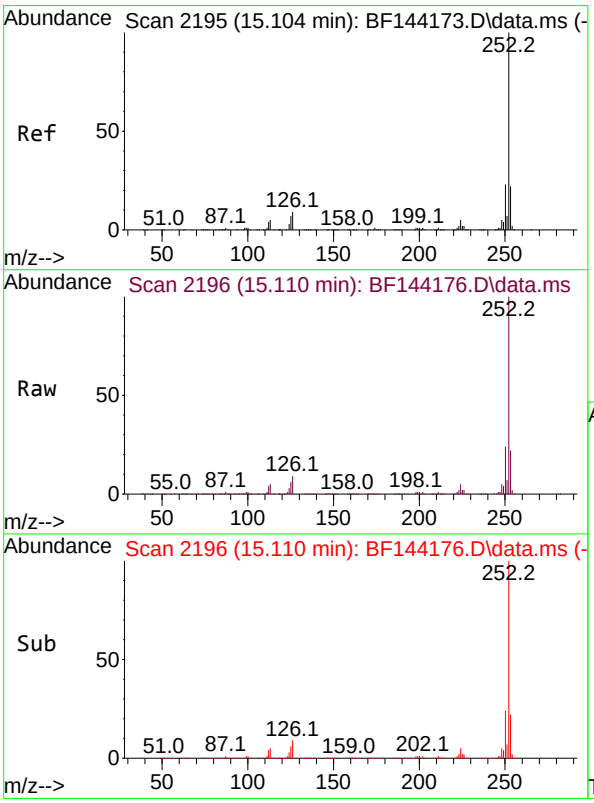
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.403 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1215637

Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.9	20.9
277	24.9	19.8	29.6

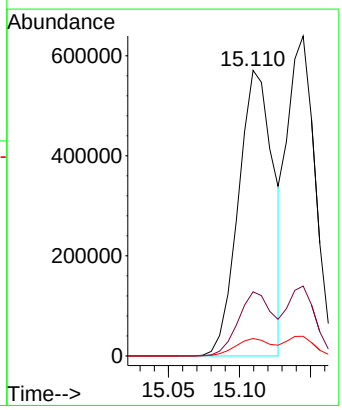


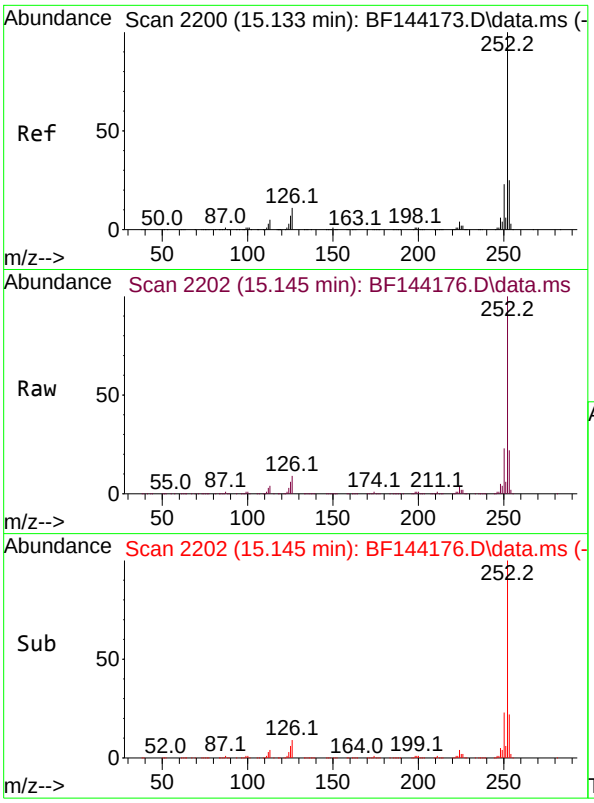


#88
Benzo(b)fluoranthene
Concen: 80.454 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 975518

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	6.1	5.3	7.9



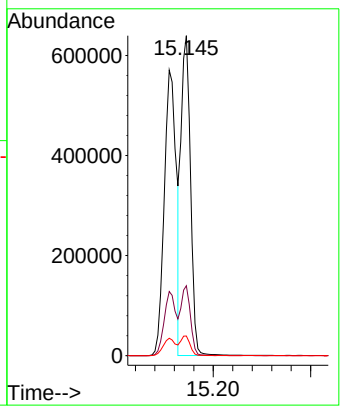


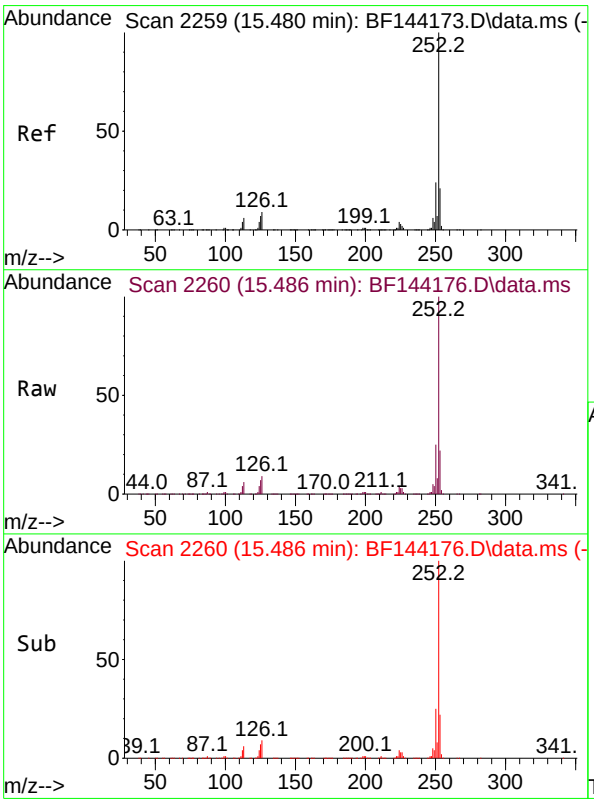
#89
Benzo(k)fluoranthene
Concen: 76.728 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 870791

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.1	5.4	8.2

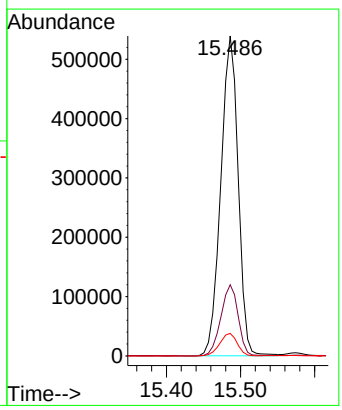


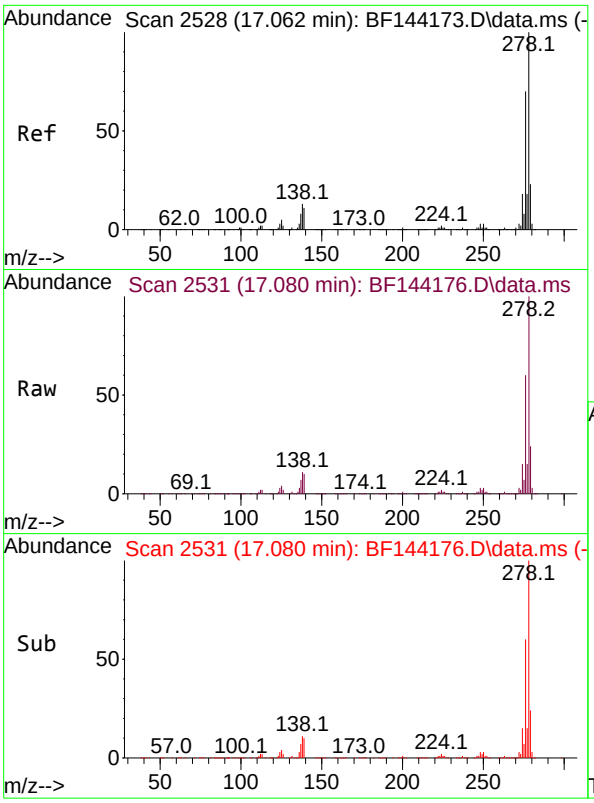


#90
Benzo(a)pyrene
Concen: 78.458 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:252 Resp: 877623

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.7	25.1
125	7.0	5.7	8.5



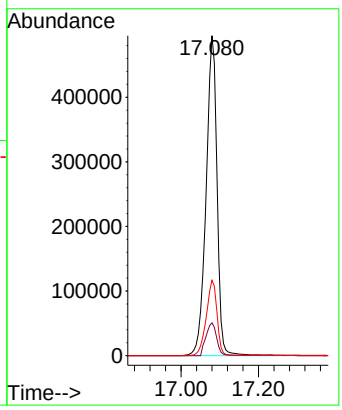


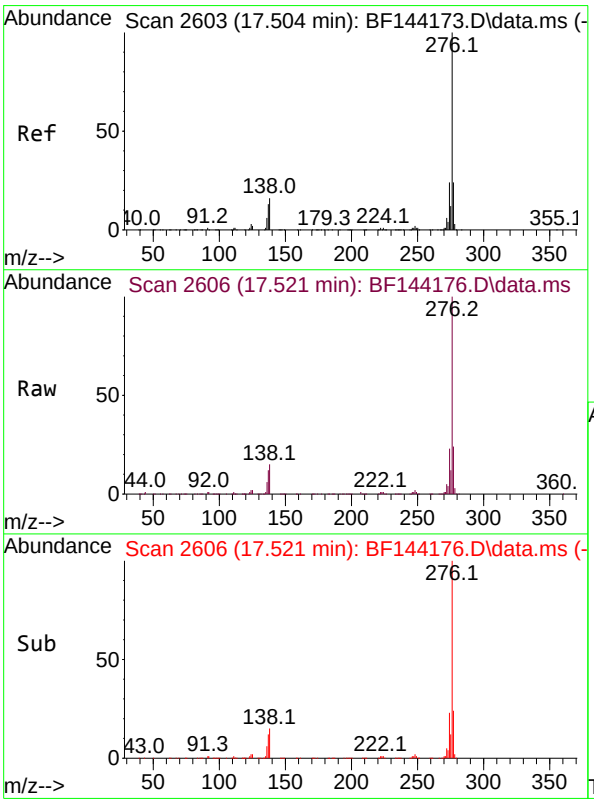
#91
Dibenzo(a,h)anthracene
Concen: 78.952 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 970735

Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.1	13.7
279	23.6	18.2	27.4

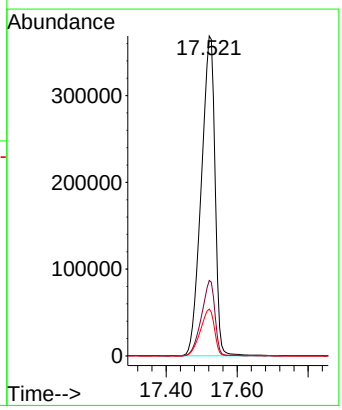




#92
Benzo(g,h,i)perylene
Concen: 80.827 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.000 min
Lab File: BF144176.D
Acq: 05 Nov 2025 16:49

Tgt Ion:276 Resp: 981387

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	14.6	12.9	19.3



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	69106	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	264133	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	143807	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	244964	20.000	ng		0.00
76) Chrysene-d12	14.057	240	162721	20.000	ng		0.00
86) Perylene-d12	15.539	264	215110	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	310198	70.243	ng		0.00
7) Phenol-d6	6.498	99	347682	69.484	ng		-0.01
23) Nitrobenzene-d5	7.440	82	313737	68.601	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	122691	67.987	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	679055	69.741	ng		0.00
79) Terphenyl-d14	12.992	244	689624	67.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.605	88	63887	34.992	ng		99
3) Pyridine	3.375	79	165752	32.541	ng		98
4) n-Nitrosodimethylamine	3.322	42	96379	36.224	ng		99
6) Aniline	6.534	93	264913	37.159	ng		99
8) 2-Chlorophenol	6.657	128	151995	35.096	ng		100
9) Benzaldehyde	6.428	77	128101	45.337	ng		99
10) Phenol	6.516	94	217418	35.563	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	156661	35.167	ng		98
12) 1,3-Dichlorobenzene	6.816	146	192589	36.038	ng		98
13) 1,4-Dichlorobenzene	6.893	146	191978	35.858	ng		98
14) 1,2-Dichlorobenzene	7.045	146	189651	36.957	ng		98
15) Benzyl Alcohol	7.016	79	141026	35.593	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	289907	35.340	ng		99
17) 2-Methylphenol	7.122	107	119633	34.723	ng		97
18) Hexachloroethane	7.387	117	64124	36.050	ng		99
19) n-Nitroso-di-n-propyla...	7.281	70	112165	34.051	ng		95
20) 3+4-Methylphenols	7.275	107	145554	35.839	ng	#	89
22) Acetophenone	7.281	105	204331	36.061	ng		98
24) Nitrobenzene	7.457	77	172618	34.763	ng		99
25) Isophorone	7.692	82	300648	34.755	ng		100
26) 2-Nitrophenol	7.775	139	89771	36.521	ng		96
27) 2,4-Dimethylphenol	7.804	122	144915	39.334	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	191347	35.422	ng		98
29) 2,4-Dichlorophenol	8.016	162	144739	34.086	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	155562	35.677	ng		99
31) Naphthalene	8.181	128	438013	34.861	ng		99
32) Benzoic acid	7.916	122	81416m	30.148	ng		
33) 4-Chloroaniline	8.228	127	177275	38.685	ng		98
34) Hexachlorobutadiene	8.292	225	113543	34.552	ng		99
35) Caprolactam	8.592	113	38947	33.478	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	130667	34.336	ng		98
37) 2-Methylnaphthalene	8.869	142	268630	31.978	ng		99
38) 1-Methylnaphthalene	8.969	142	271310	33.472	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	173491	36.811	ng		98
41) Hexachlorocyclopentadiene	9.022	237	69987	46.350	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	113418	35.357	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121621	35.179	ng	98
46) 1,1'-Biphenyl	9.334	154	366655	36.526	ng	99
47) 2-Chloronaphthalene	9.363	162	300481	35.092	ng	99
48) 2-Nitroaniline	9.457	65	88055	35.641	ng	97
49) Acenaphthylene	9.775	152	464616	39.818	ng	99
50) Dimethylphthalate	9.634	163	334163	35.076	ng	99
51) 2,6-Dinitrotoluene	9.698	165	70890	36.758	ng	97
52) Acenaphthene	9.951	154	262974	33.702	ng	98
53) 3-Nitroaniline	9.869	138	74572	35.372	ng	98
54) 2,4-Dinitrophenol	9.981	184	33460	28.732	ng	97
55) Dibenzofuran	10.122	168	389072	35.602	ng	99
56) 4-Nitrophenol	10.034	139	47167	30.929	ng	93
57) 2,4-Dinitrotoluene	10.104	165	92928	35.994	ng	98
58) Fluorene	10.463	166	298316	35.903	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	91542	37.425	ng	98
60) Diethylphthalate	10.333	149	304274	34.646	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	165662	35.002	ng	98
62) 4-Nitroaniline	10.481	138	70828	35.278	ng	97
63) Azobenzene	10.616	77	293901	35.958	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	52164	31.346	ng	96
66) n-Nitrosodiphenylamine	10.575	169	285930	36.292	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	106730	34.135	ng	97
68) Hexachlorobenzene	11.016	284	128202	34.810	ng	98
69) Atrazine	11.098	200	92182	36.790	ng	97
70) Pentachlorophenol	11.216	266	59981	32.706	ng	99
71) Phenanthrene	11.433	178	427466	35.049	ng	99
72) Anthracene	11.486	178	437609	35.286	ng	100
73) Carbazole	11.639	167	360909	34.224	ng	99
74) Di-n-butylphthalate	11.963	149	440261	34.535	ng	99
75) Fluoranthene	12.622	202	432624	34.338	ng	99
77) Benzidine	12.745	184	217389	45.165	ng	99
78) Pyrene	12.857	202	433110	33.011	ng	99
80) Butylbenzylphthalate	13.469	149	157485	34.633	ng	98
81) Benzo(a)anthracene	14.045	228	377686	33.489	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	153129	39.612	ng	96
83) Chrysene	14.086	228	359786	34.559	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	217122	34.880	ng	99
85) Di-n-octyl phthalate	14.645	149	377429	35.142	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	525298	34.019	ng	100
88) Benzo(b)fluoranthene	15.104	252	428292	35.021	ng	99
89) Benzo(k)fluoranthene	15.133	252	371234	32.431	ng	99
90) Benzo(a)pyrene	15.480	252	399556	35.415	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	423195	34.126	ng	99
92) Benzo(g,h,i)perylene	17.504	276	426866	34.857	ng	98

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

ICAL Form

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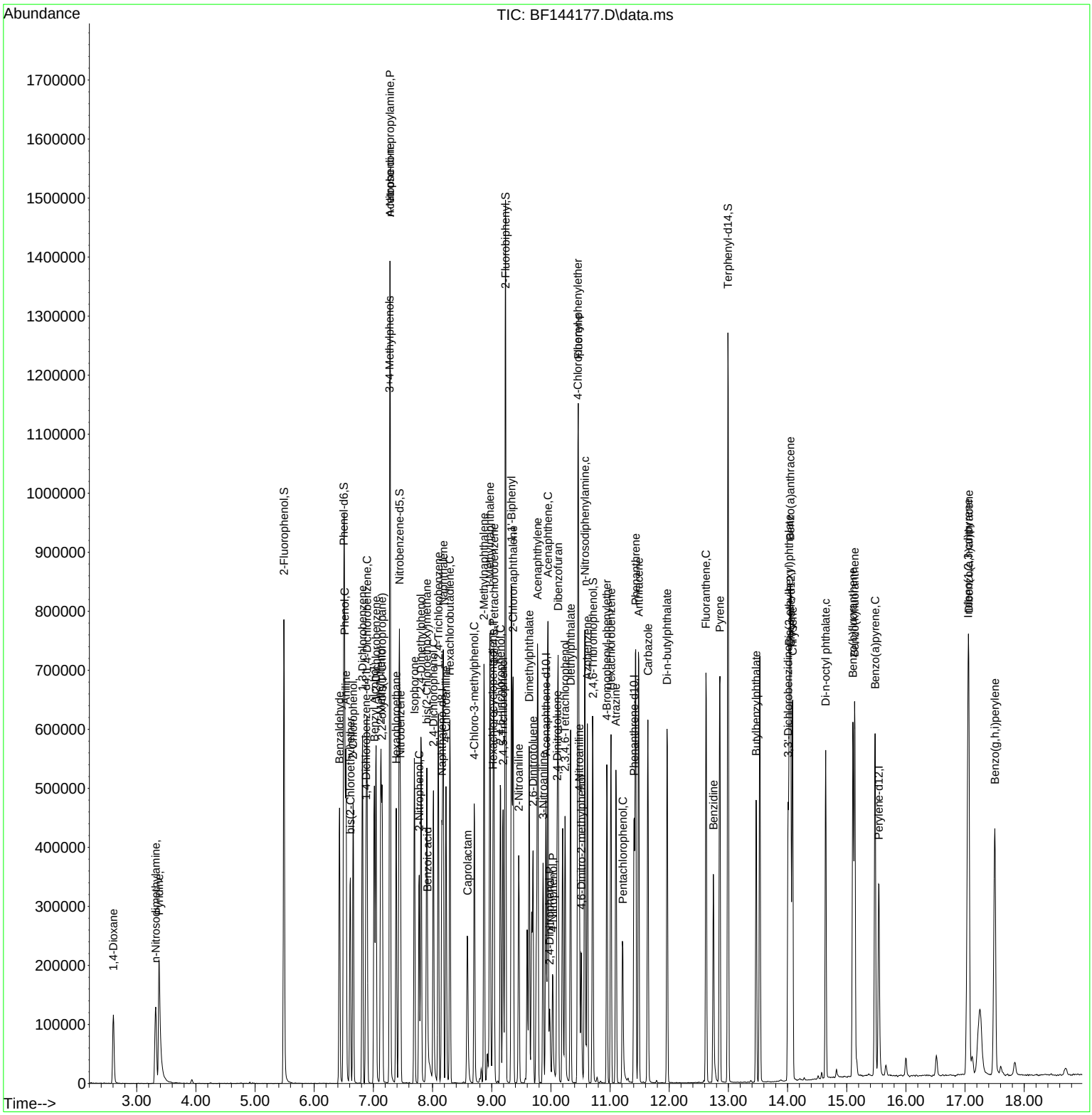
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

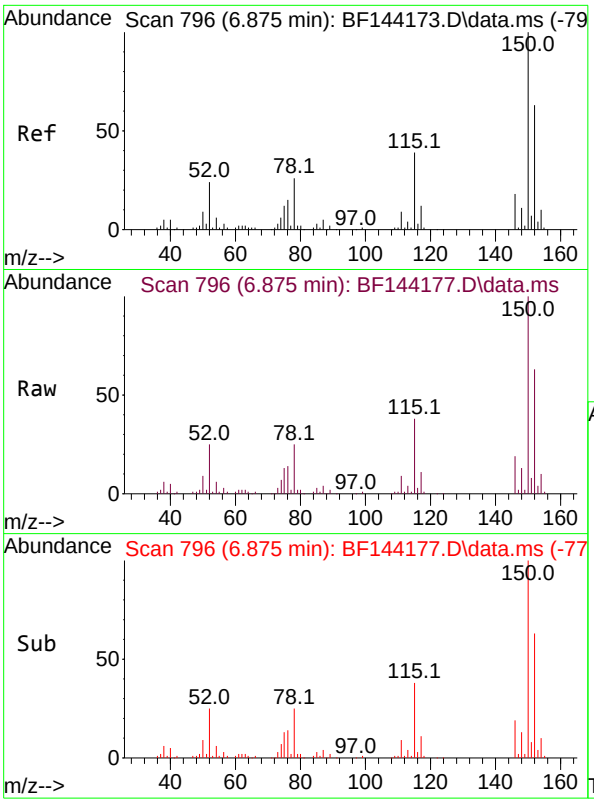
Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

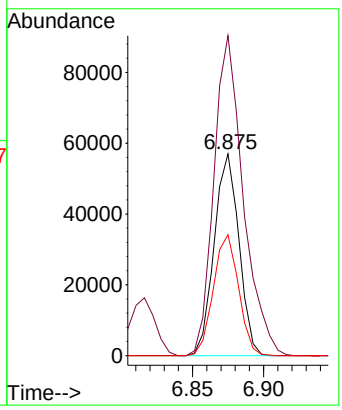




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:152 Resp: 6910

Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.4	191.0
115	59.9	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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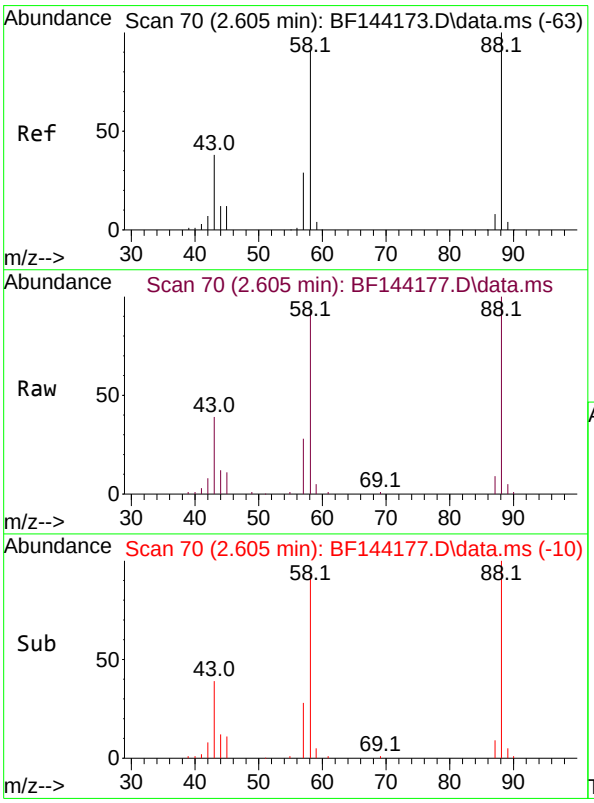
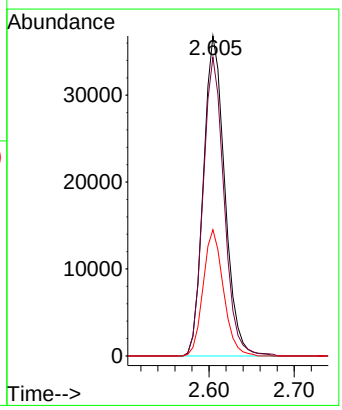
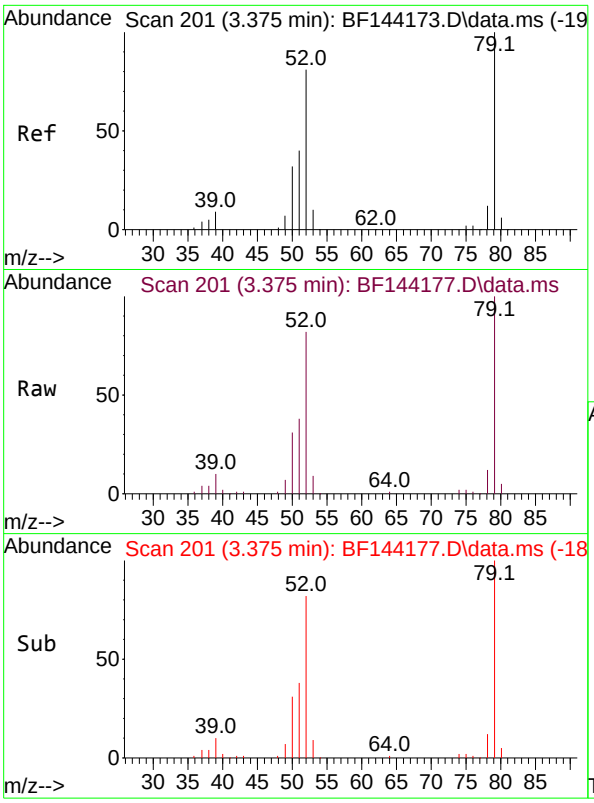


#2
1,4-Dioxane
Concen: 34.992 ng
RT: 2.605 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 88 Resp: 63887

Ion	Ratio	Lower	Upper
88	100		
58	91.6	73.1	109.7
43	37.5	31.0	46.6

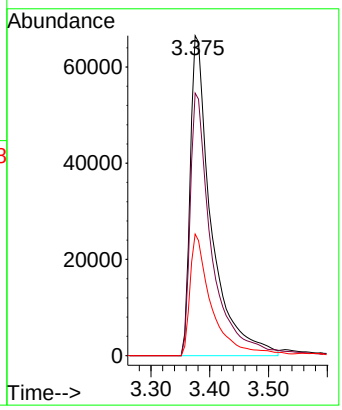




#3
Pyridine
Concen: 32.541 ng
RT: 3.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 79 Resp: 16575

Ion	Ratio	Lower	Upper
79	100		
52	82.0	64.5	96.7
51	38.0	31.7	47.5



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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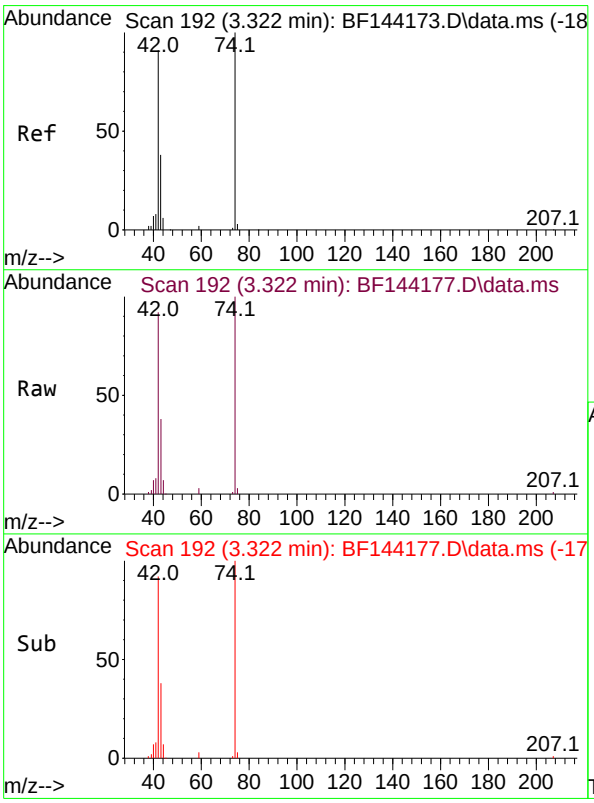
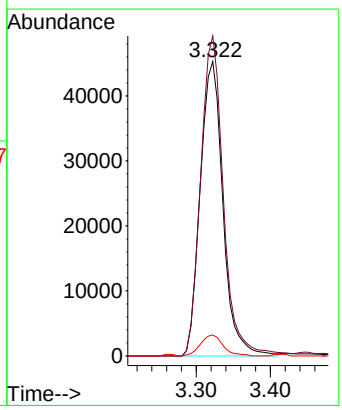
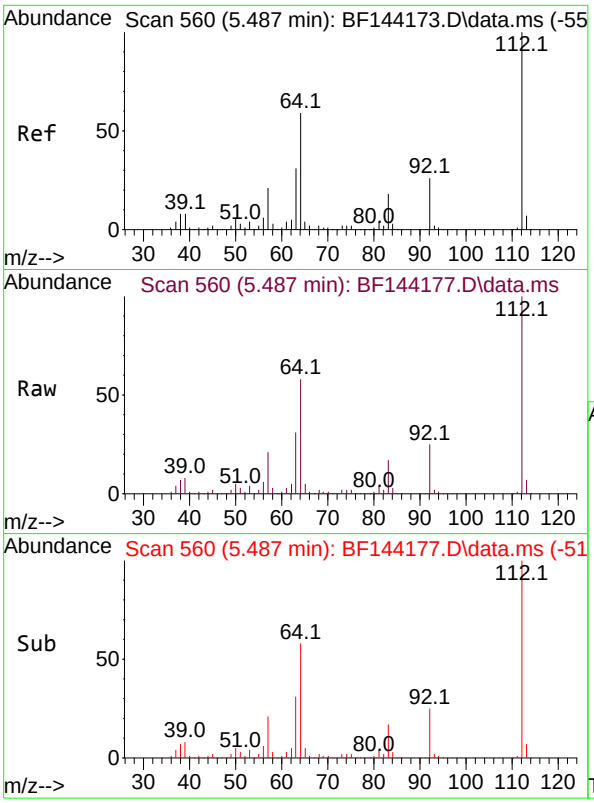


#4
n-Nitrosodimethylamine
Concen: 36.224 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.023 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 42 Resp: 96379

Ion	Ratio	Lower	Upper
42	100		
74	108.7	88.2	132.4
44	7.1	5.7	8.5





#5
2-Fluorophenol
Concen: 70.243 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:112 Resp: 31019

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.2	70.8
63	30.6	24.4	36.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
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Reviewed By :Rahul Chavli 11/06/2025
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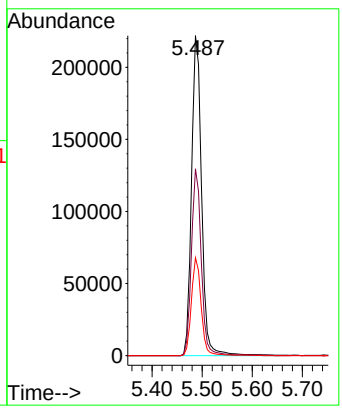
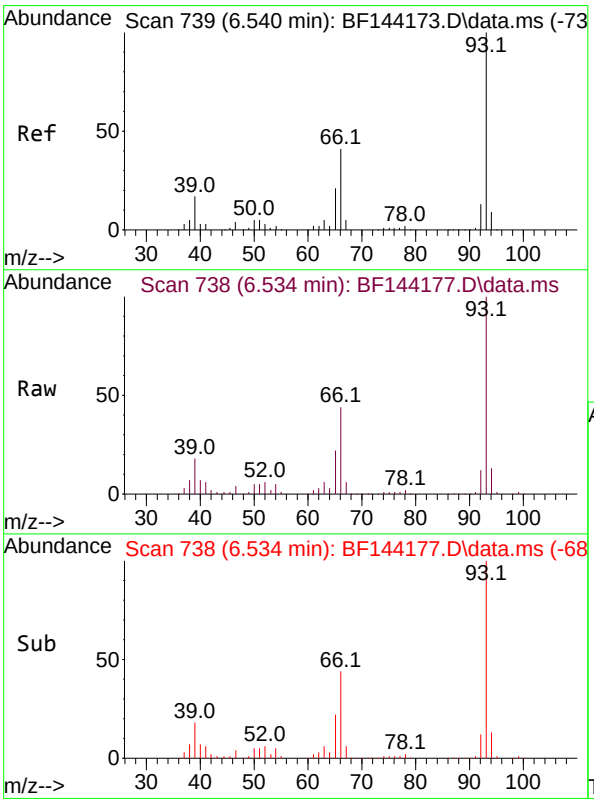
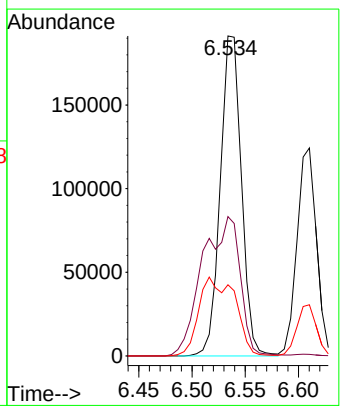


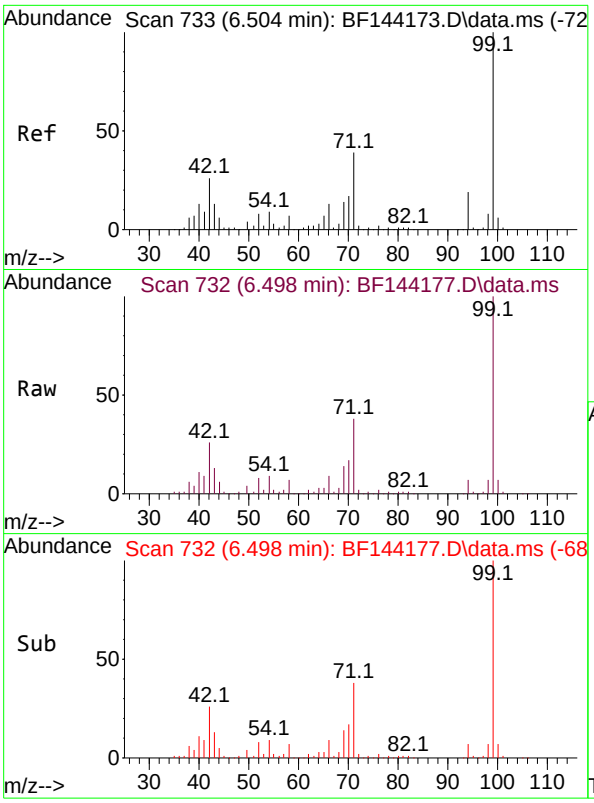


#6
Aniline
Concen: 37.159 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 264913

Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.3	51.5
65	22.2	16.9	25.3

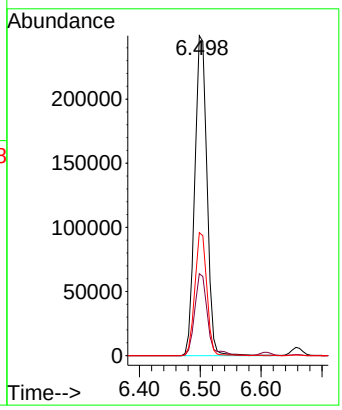




#7
Phenol-d6
Concen: 69.484 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 99 Resp: 34768

Ion	Ratio	Lower	Upper
99	100		
42	25.6	20.9	31.3
71	38.4	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
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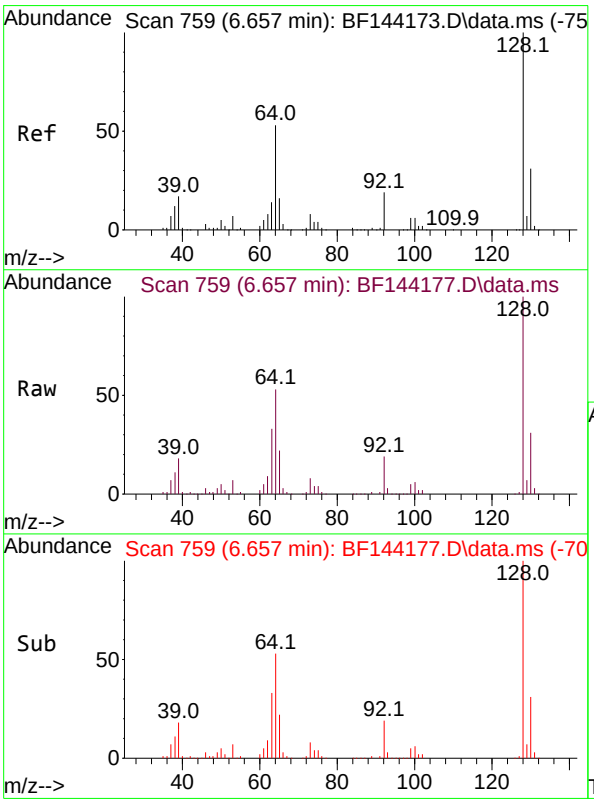
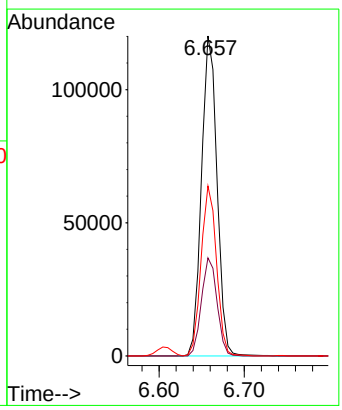
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

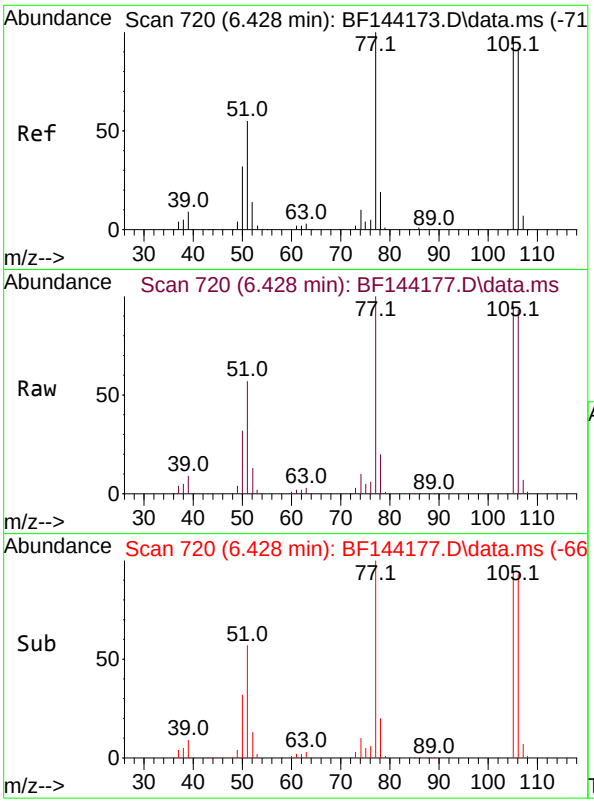


#8
2-Chlorophenol
Concen: 35.096 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:128 Resp: 151995

Ion	Ratio	Lower	Upper
128	100		
130	30.6	10.5	50.5
64	53.1	33.2	73.2

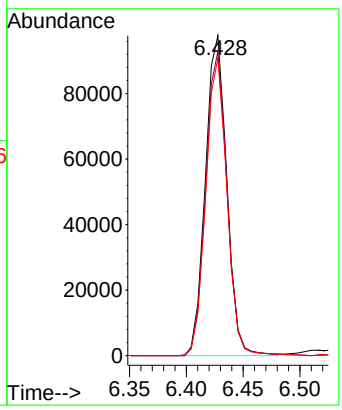




#9
Benzaldehyde
Concen: 45.337 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 77 Resp: 12810

Ion	Ratio	Lower	Upper
77	100		
105	95.1	77.2	117.2
106	92.9	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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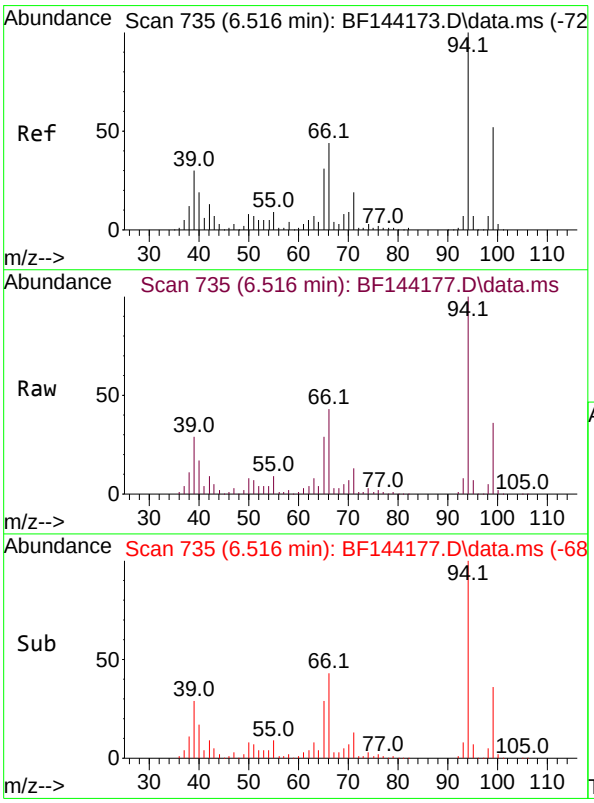
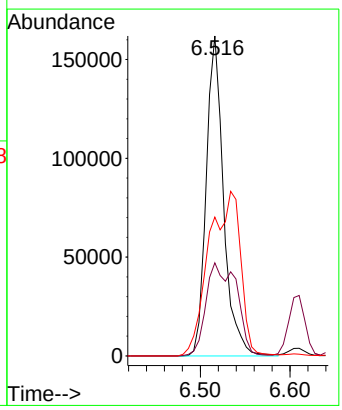
Supervised By :Jagrut Upadhyay 11/06/2025

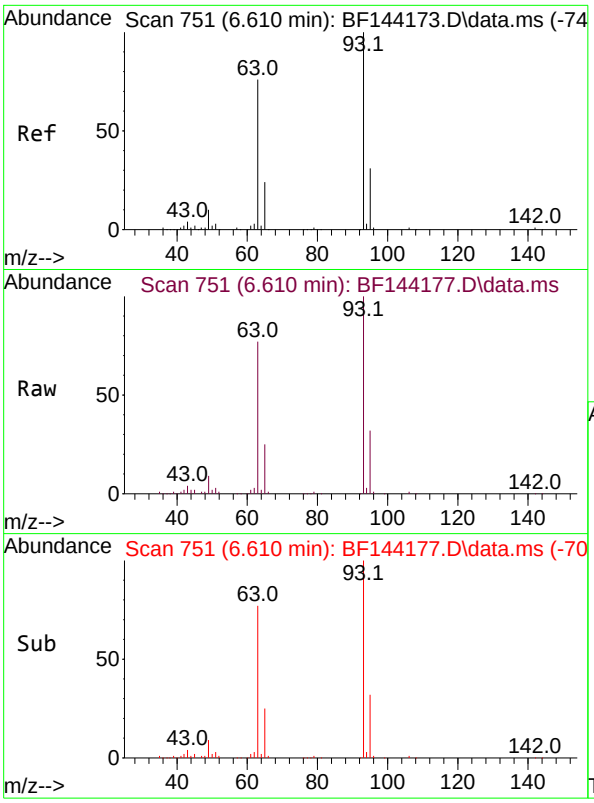


#10
Phenol
Concen: 35.563 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 94 Resp: 217418

Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.8	50.8
66	43.4	24.3	64.3

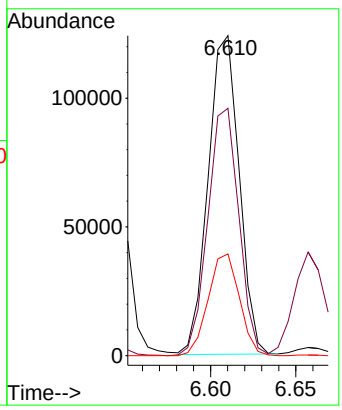




#11
bis(2-Chloroethyl)ether
Concen: 35.167 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 15666

Ion	Ratio	Lower	Upper
93	100		
63	77.3	55.2	95.2
95	31.8	11.2	51.2



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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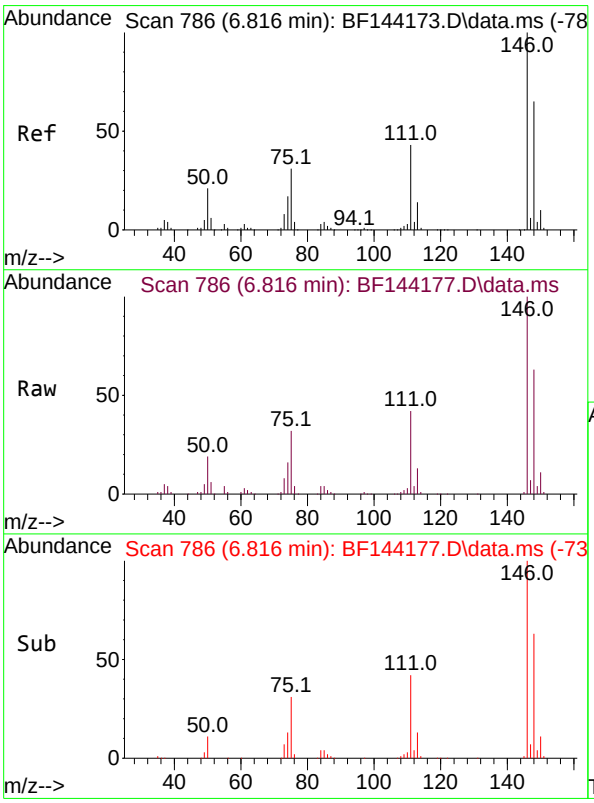
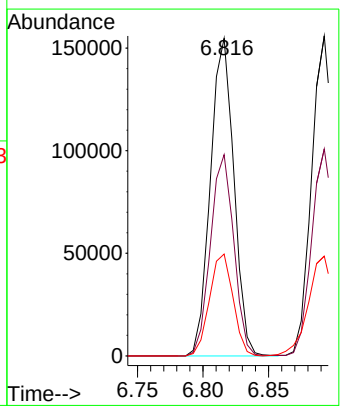
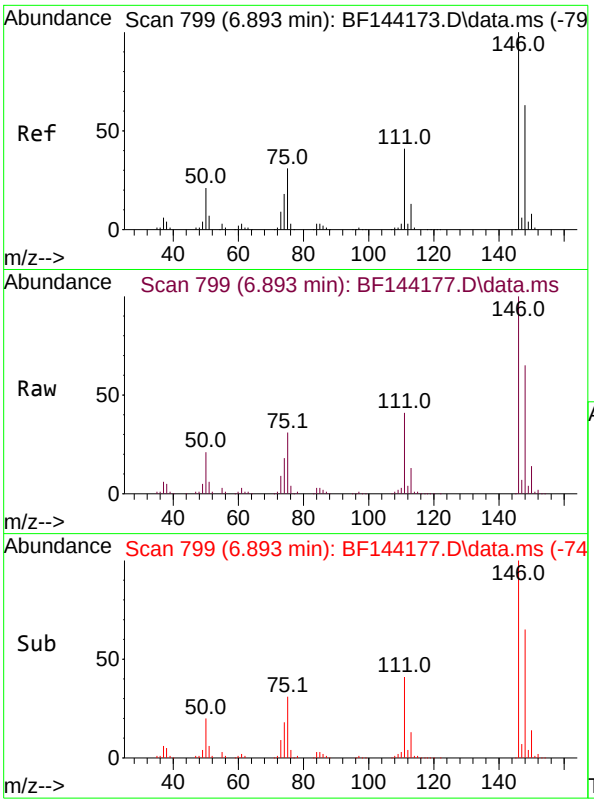


#12
1,3-Dichlorobenzene
Concen: 36.038 ng
RT: 6.816 min Scan# 786
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 192589

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.8
75	32.1	25.0	37.4

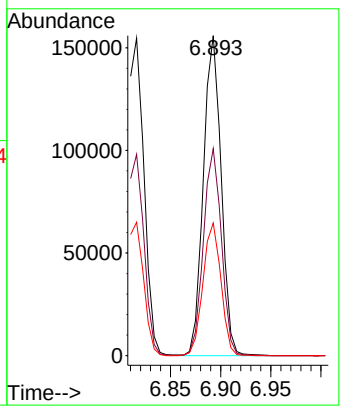




#13
1,4-Dichlorobenzene
Concen: 35.858 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 191978

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.2	75.2
111	41.4	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
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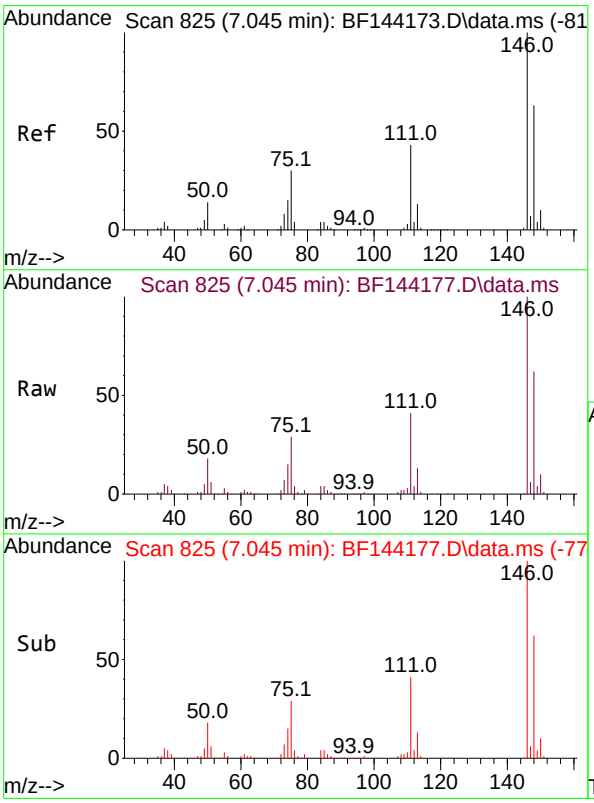
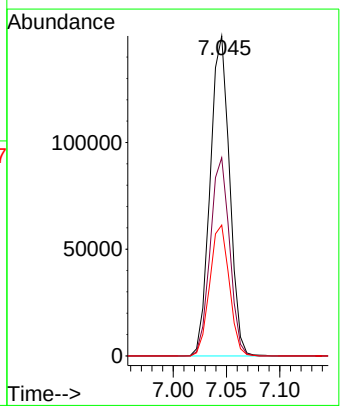
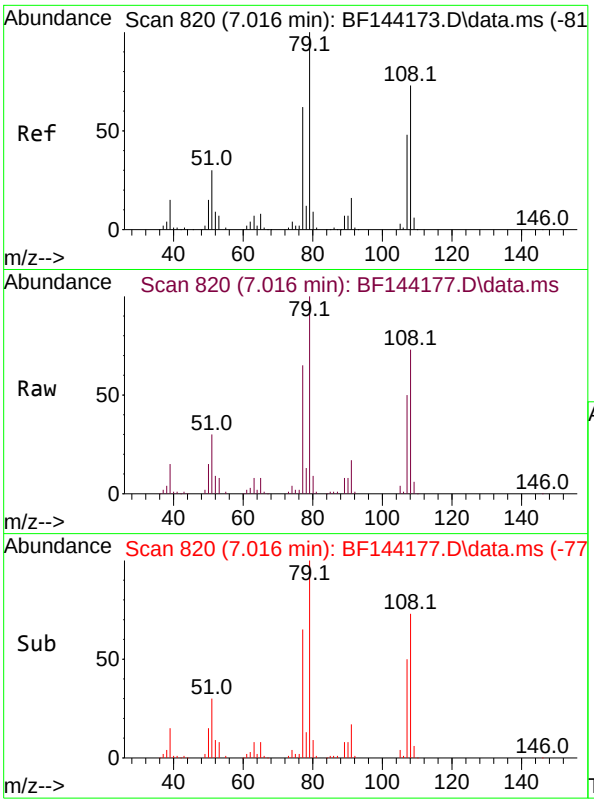


#14
1,2-Dichlorobenzene
Concen: 36.957 ng
RT: 7.045 min Scan# 825
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:146 Resp: 189651

Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.7	76.1
111	40.9	34.2	51.4

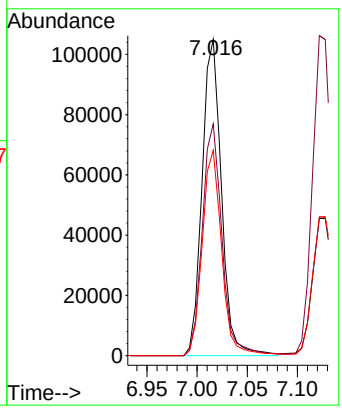




#15
Benzyl Alcohol
Concen: 35.593 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 79 Resp: 14102

Ion	Ratio	Lower	Upper
79	100		
108	73.3	58.2	87.4
77	64.9	49.9	74.9



Instrument :
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ClientSampleId :
ICVBF110525

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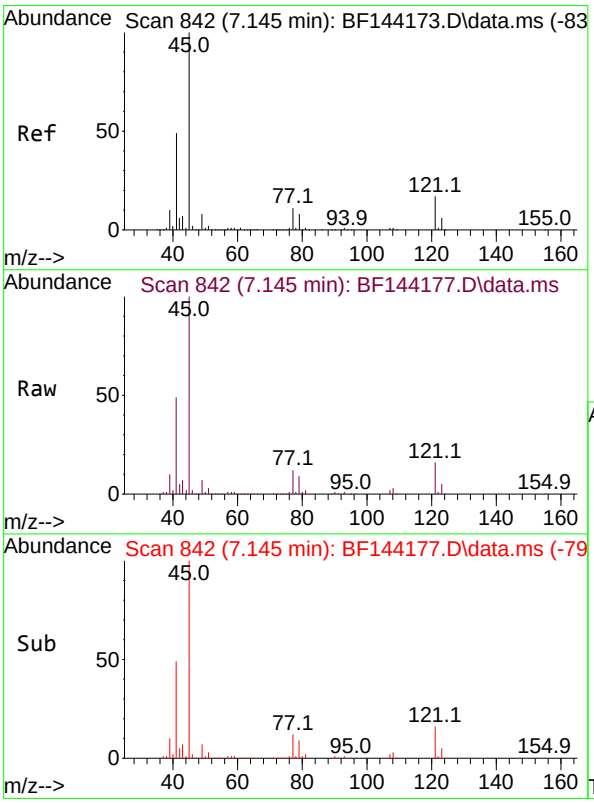
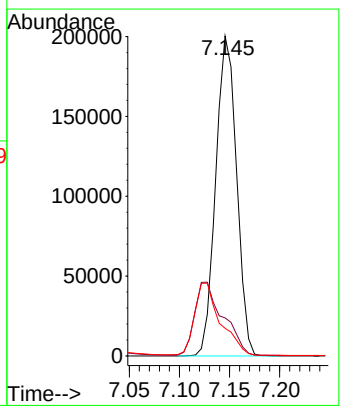
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

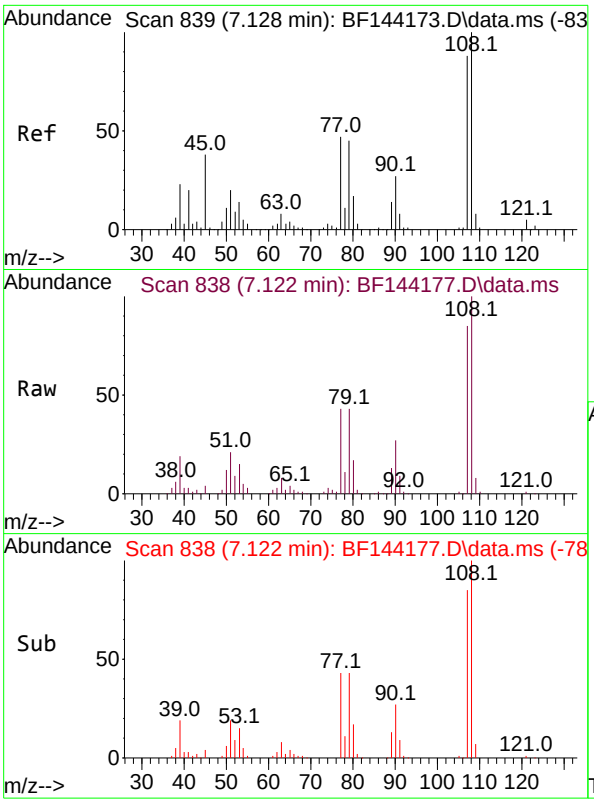


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.340 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 45 Resp: 289907

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	8.6	0.0	29.1

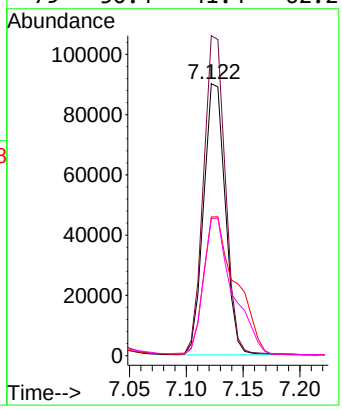




#17
2-Methylphenol
Concen: 34.723 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 11963

Ion	Ratio	Lower	Upper
107	100		
108	117.7	91.0	136.4
77	51.0	42.7	64.1
79	50.4	41.4	62.2



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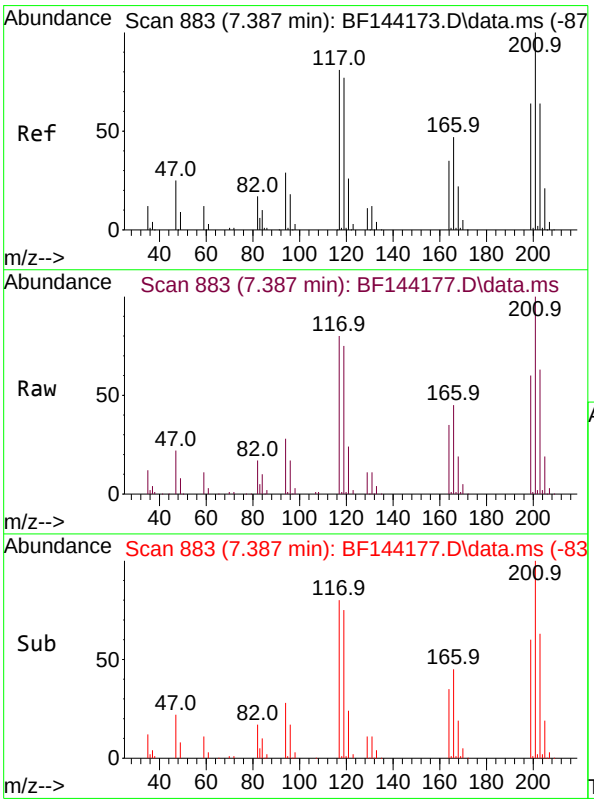
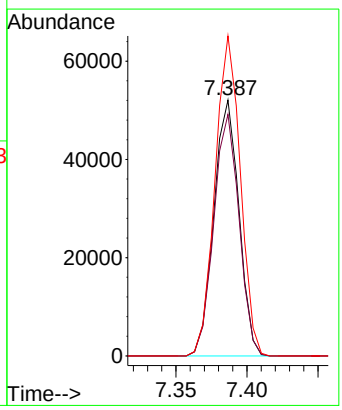
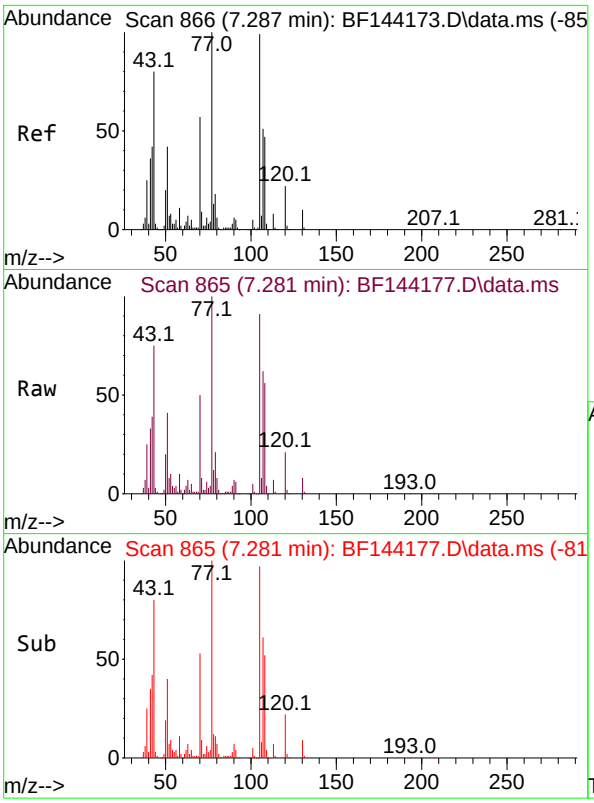


#18
Hexachloroethane
Concen: 36.050 ng
RT: 7.387 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:117 Resp: 64124

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
201	125.1	98.9	148.3

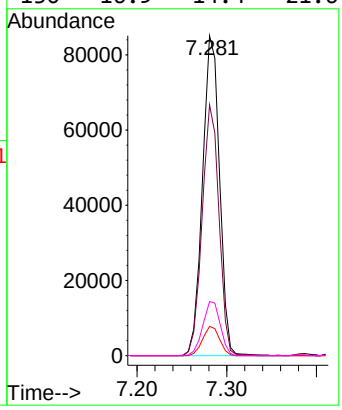




#19
n-Nitroso-di-n-propylamine
Concen: 34.051 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 70 Resp: 11216

Ion	Ratio	Lower	Upper
70	100		
42	78.4	58.3	87.5
101	9.1	7.0	10.6
130	16.9	14.4	21.6



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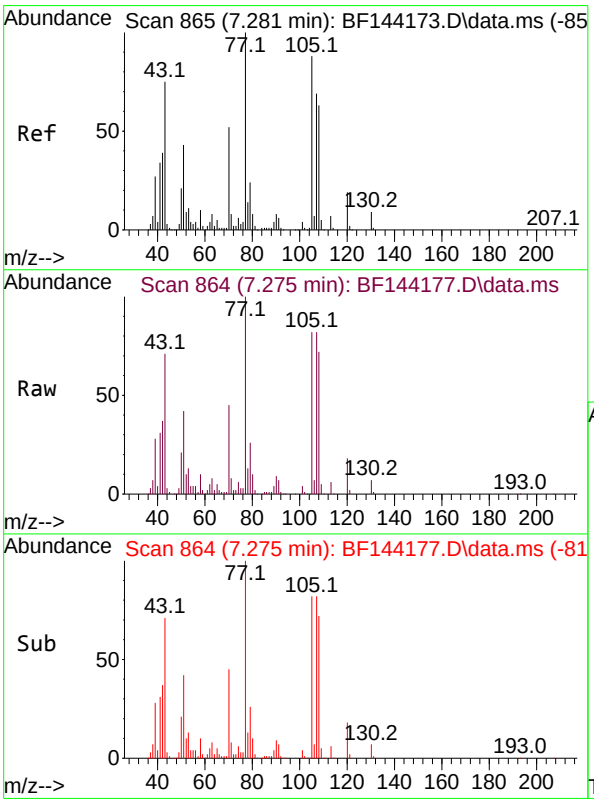
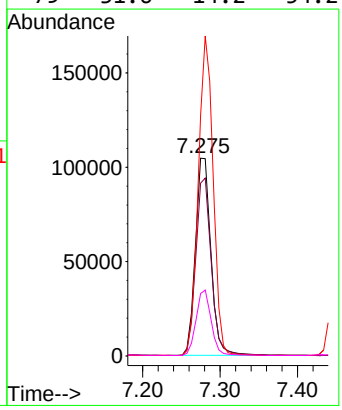
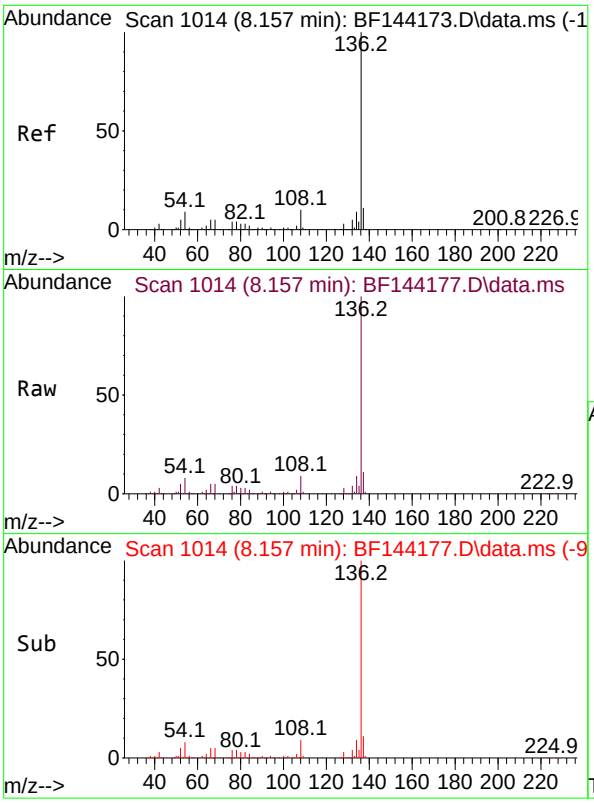


#20
3+4-Methylphenols
Concen: 35.839 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 145554

Ion	Ratio	Lower	Upper
107	100		
108	87.4	70.2	110.2
77	121.6	123.9	163.9#
79	31.6	14.2	54.2

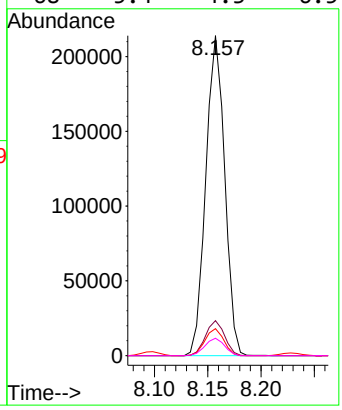




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:136 Resp: 26413

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.4	4.3	6.5



Instrument :
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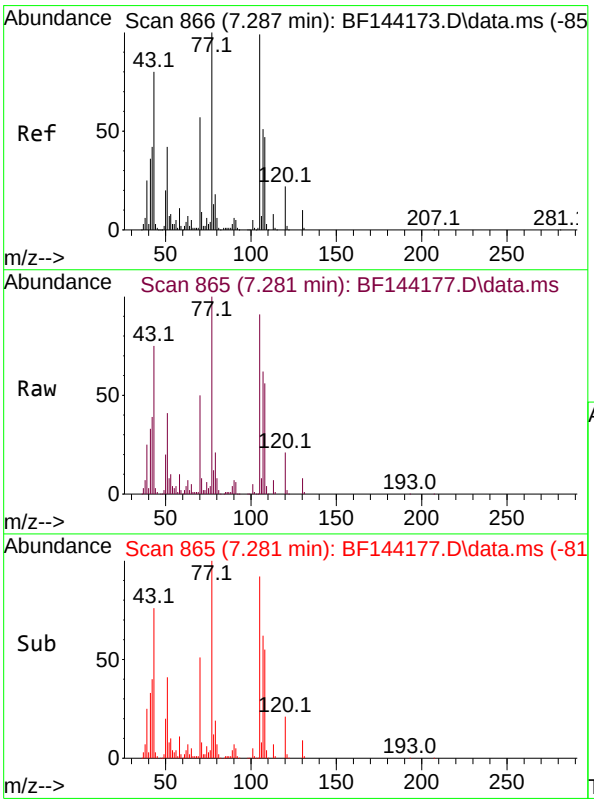
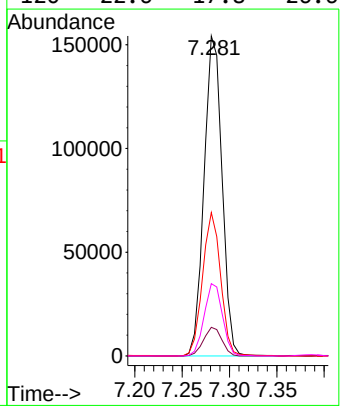
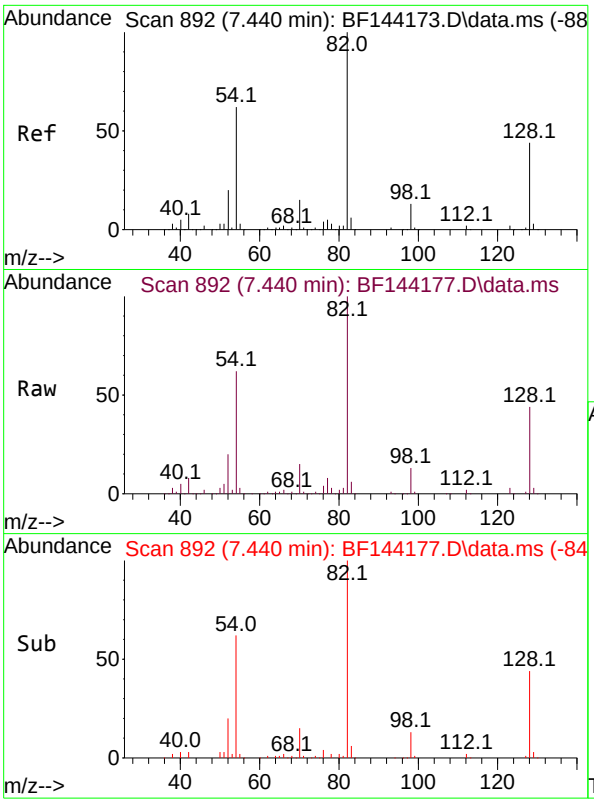


#22
Acetophenone
Concen: 36.061 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:105 Resp: 204331

Ion	Ratio	Lower	Upper
105	100		
71	8.9	7.2	10.8
51	44.8	34.0	51.0
120	22.6	17.8	26.6

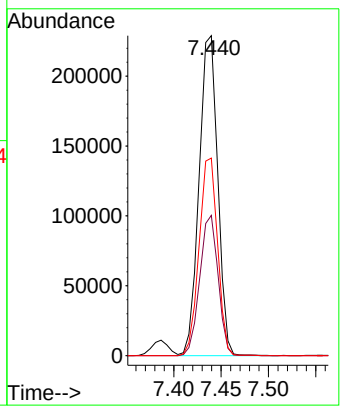




#23
Nitrobenzene-d5
Concen: 68.601 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 82 Resp: 313737

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	61.7	49.5	74.3



Instrument :
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ClientSampleId :
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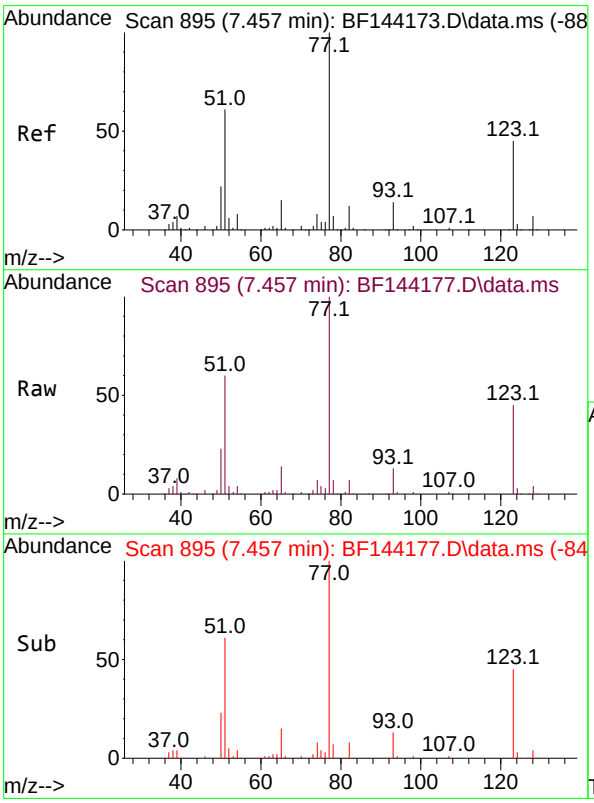
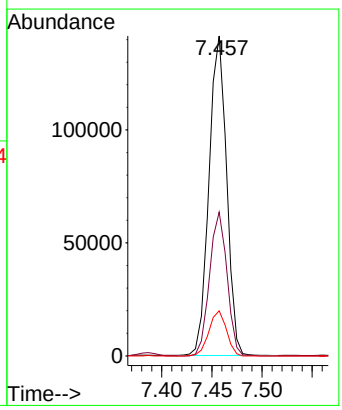
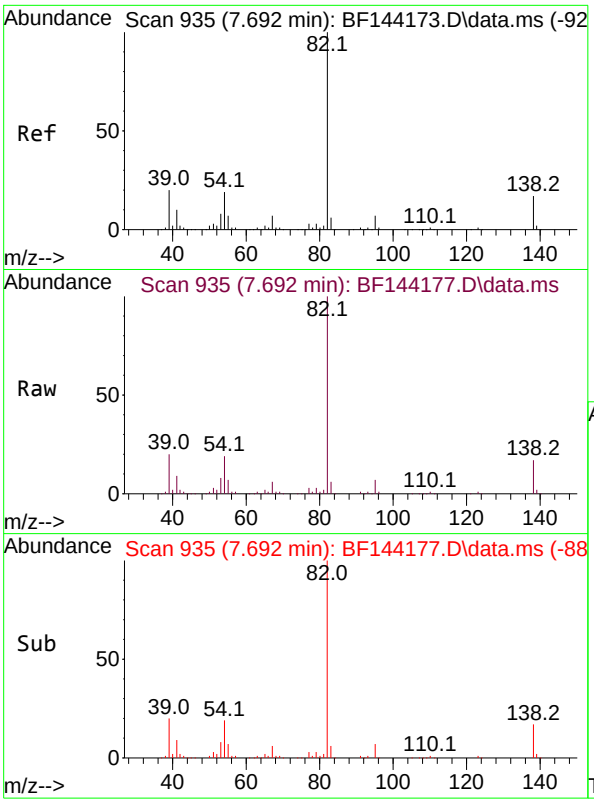


#24
Nitrobenzene
Concen: 34.763 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 77 Resp: 172618

Ion	Ratio	Lower	Upper
77	100		
123	44.9	35.8	53.8
65	14.1	12.2	18.2

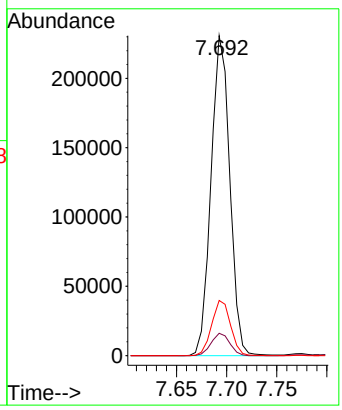




#25
Isophorone
Concen: 34.755 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 82 Resp: 30064

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.2	13.7	20.5



Instrument :
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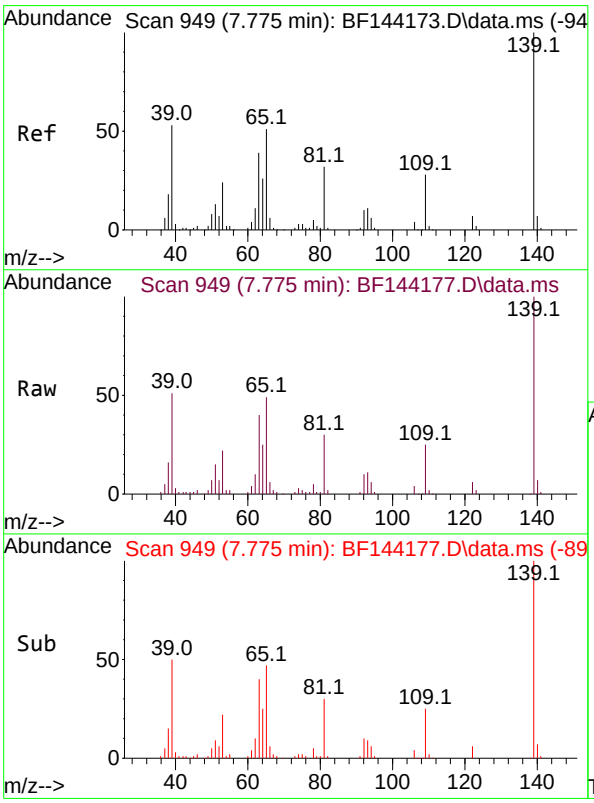
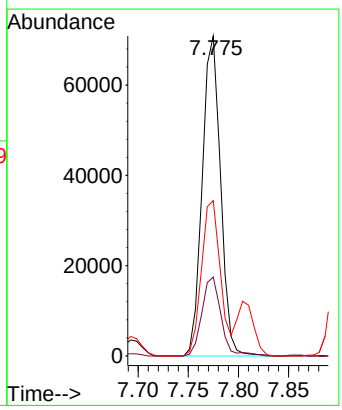
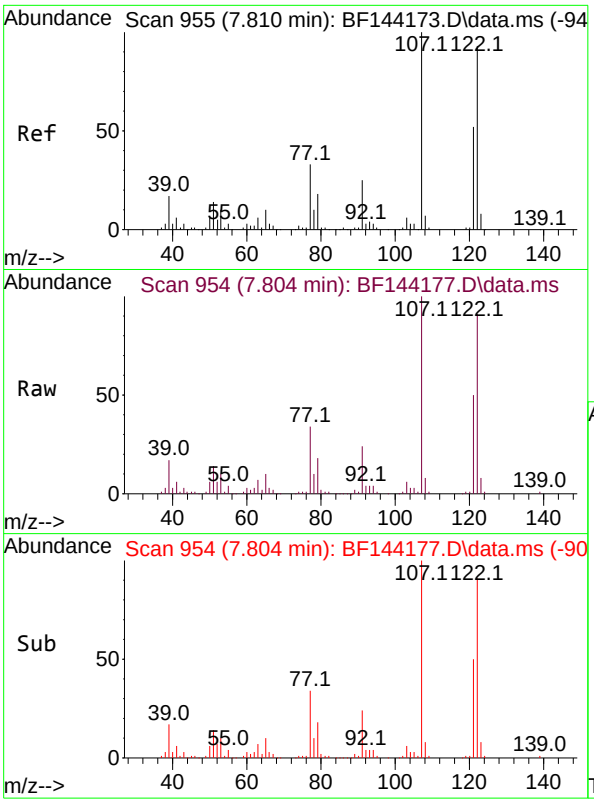


#26
2-Nitrophenol
Concen: 36.521 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:139 Resp: 89771

Ion	Ratio	Lower	Upper
139	100		
109	24.6	22.2	33.2
65	48.5	40.7	61.1

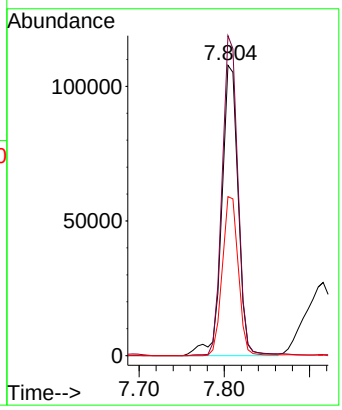




#27
2,4-Dimethylphenol
Concen: 39.334 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:122 Resp: 14491

Ion	Ratio	Lower	Upper
122	100		
107	110.2	86.2	129.4
121	54.8	44.6	66.8



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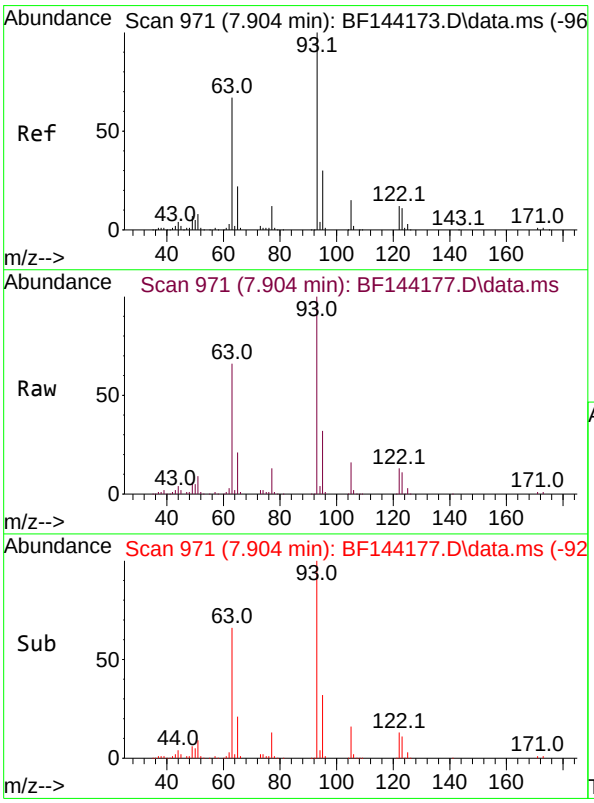
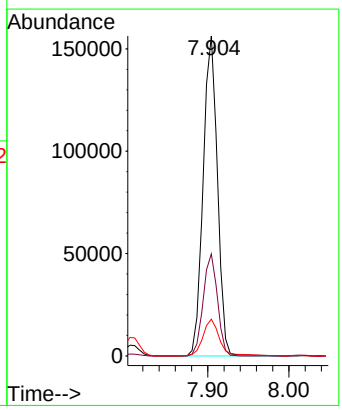
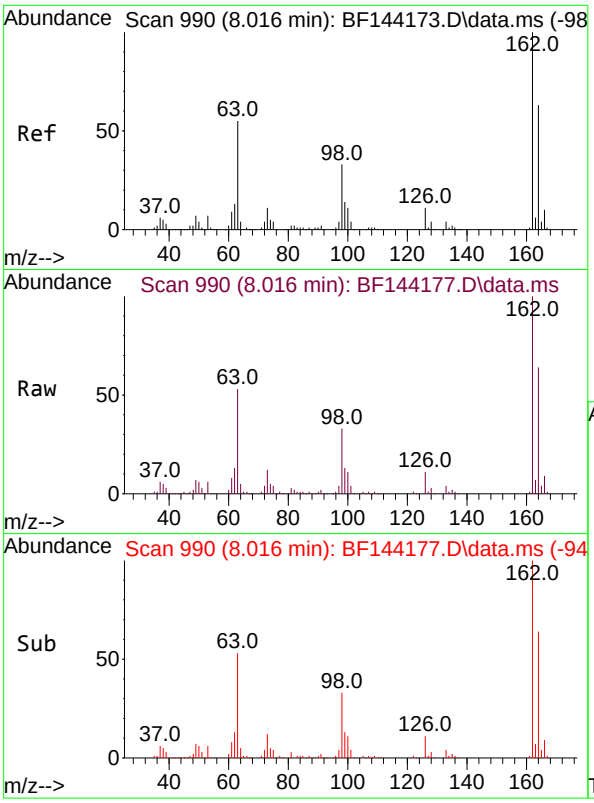


#28
bis(2-Chloroethoxy)methane
Concen: 35.422 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 93 Resp: 191347

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	11.5	9.0	13.4

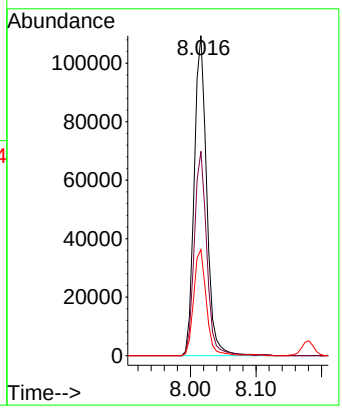




#29
2,4-Dichlorophenol
Concen: 34.086 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:162 Resp: 144739

Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.9	82.9
98	33.1	13.3	53.3



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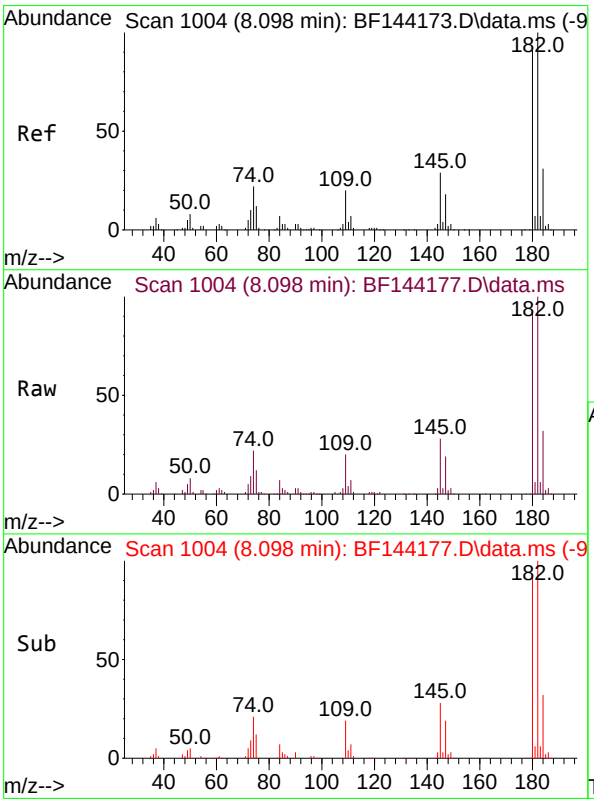
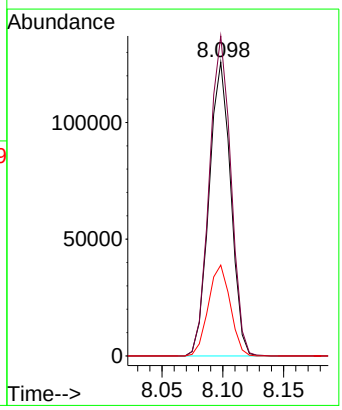
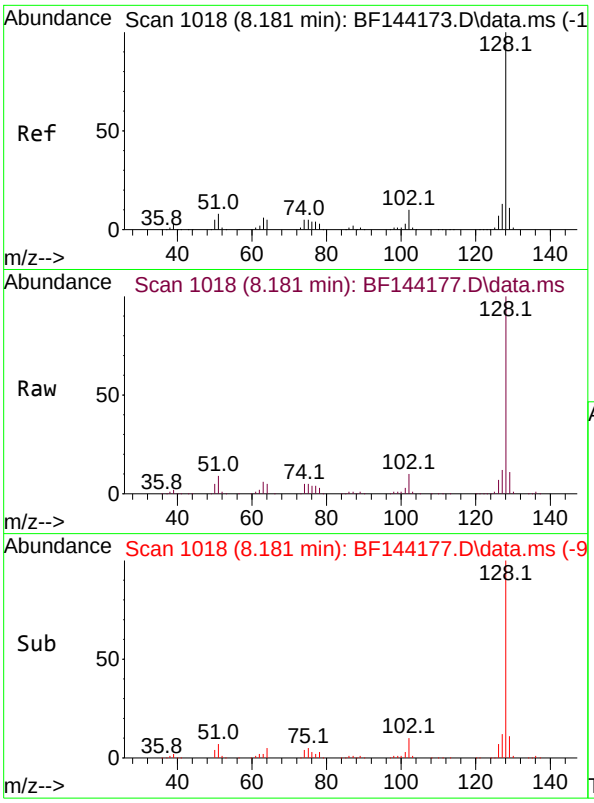


#30
1,2,4-Trichlorobenzene
Concen: 35.677 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:180 Resp: 155562

Ion	Ratio	Lower	Upper
180	100		
182	108.9	87.7	131.5
145	30.9	25.4	38.0

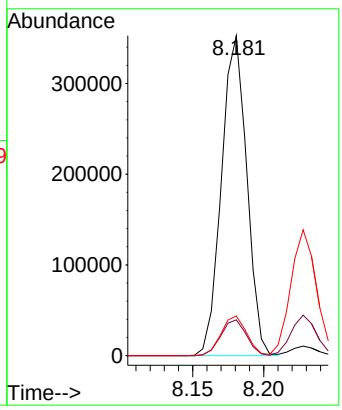




#31
Naphthalene
Concen: 34.861 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:128 Resp: 43801

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	12.4	10.3	15.5



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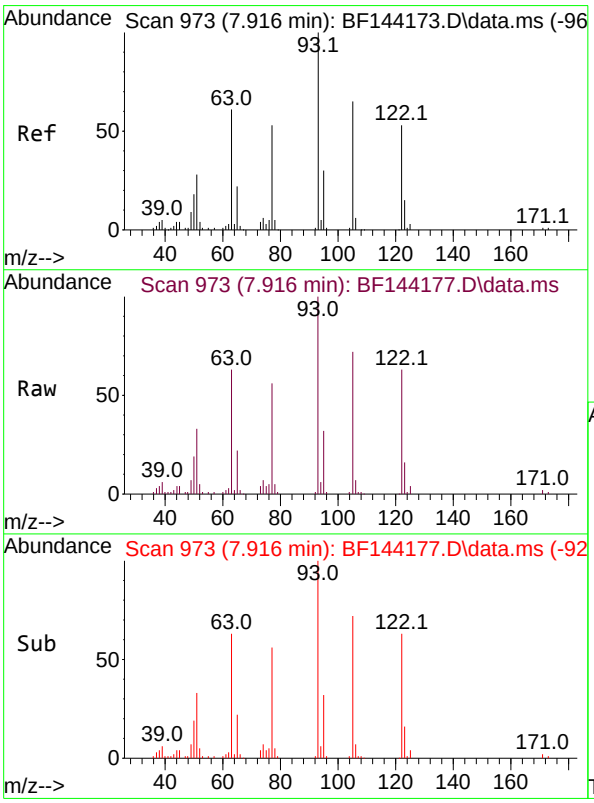
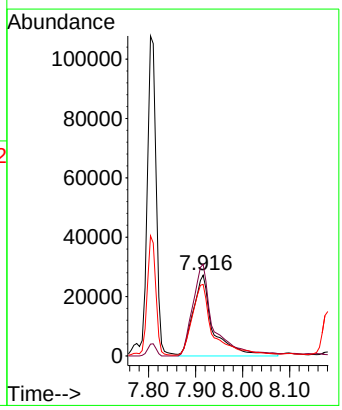
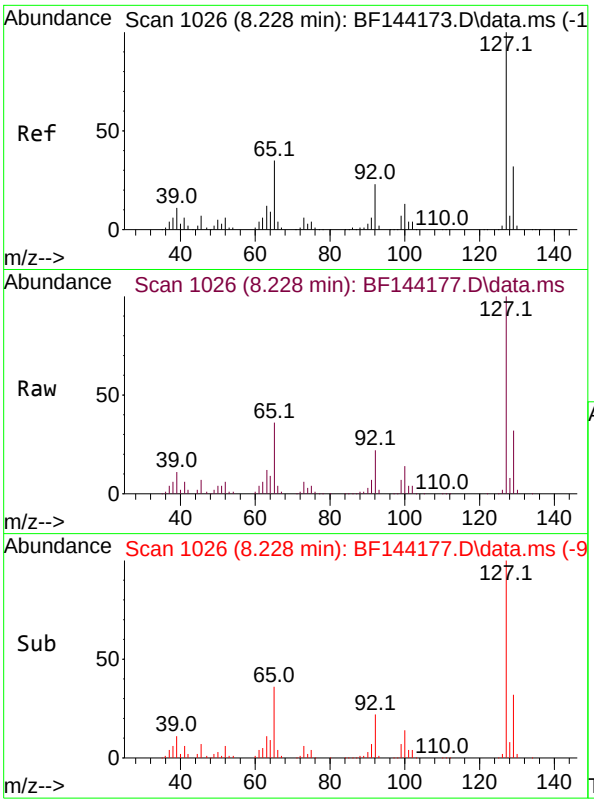


#32
Benzoic acid
Concen: 30.148 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.035 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:122 Resp: 81416

Ion	Ratio	Lower	Upper
122	100		
105	113.5	99.9	139.9
77	88.6	77.5	117.5

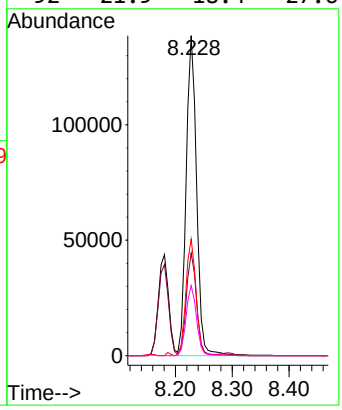




#33
4-Chloroaniline
Concen: 38.685 ng
RT: 8.228 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:127 Resp: 17727

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.3	37.9
65	36.4	27.6	41.4
92	21.9	18.4	27.6



Instrument :
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ClientSampleId :
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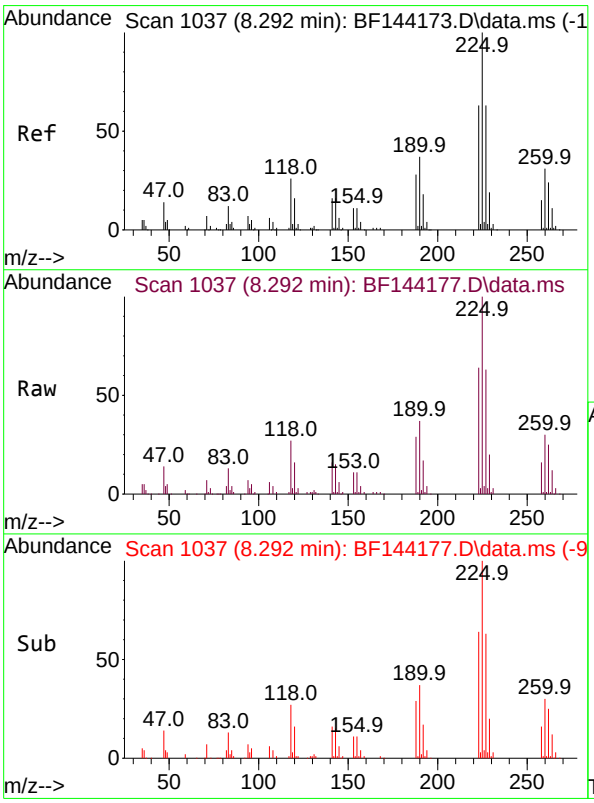
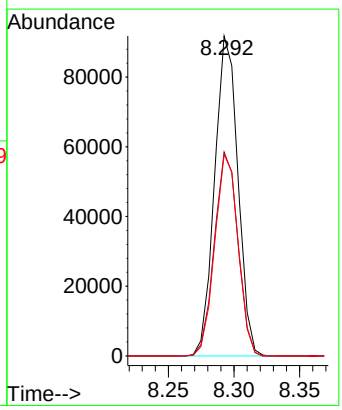
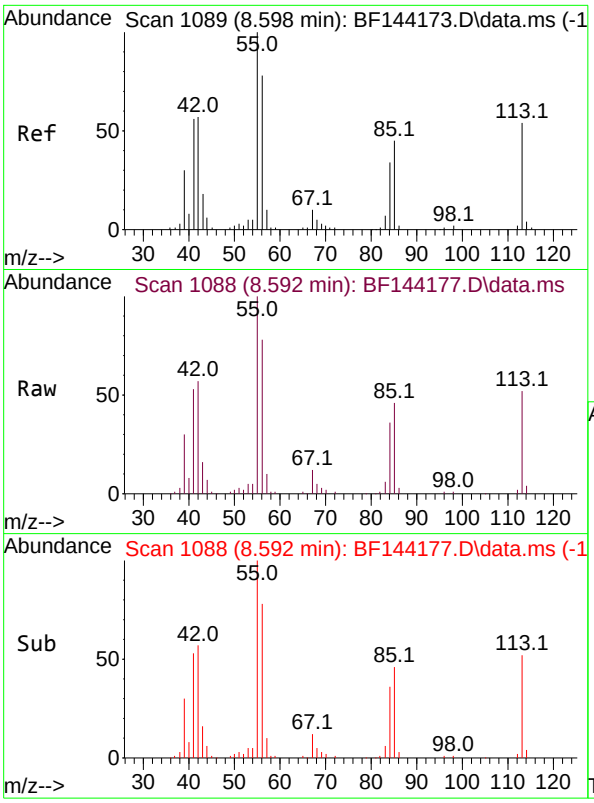


#34
Hexachlorobutadiene
Concen: 34.552 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:225 Resp: 113543

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.2	75.4
227	62.9	50.1	75.1

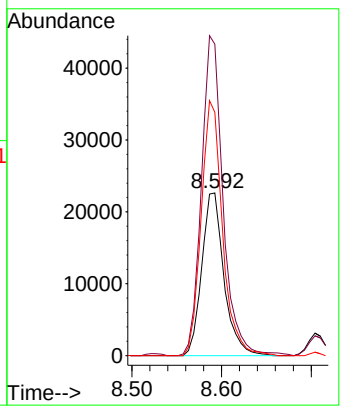




#35
Caprolactam
Concen: 33.478 ng
RT: 8.592 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:113 Resp: 3894

Ion	Ratio	Lower	Upper
113	100		
55	191.5	166.8	206.8
56	149.7	125.9	165.9



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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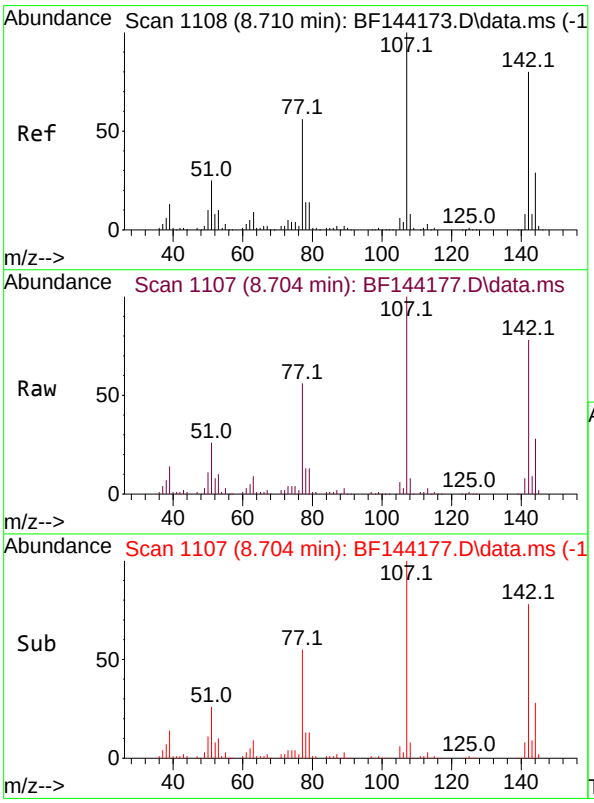
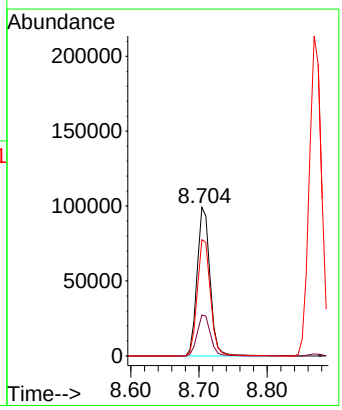
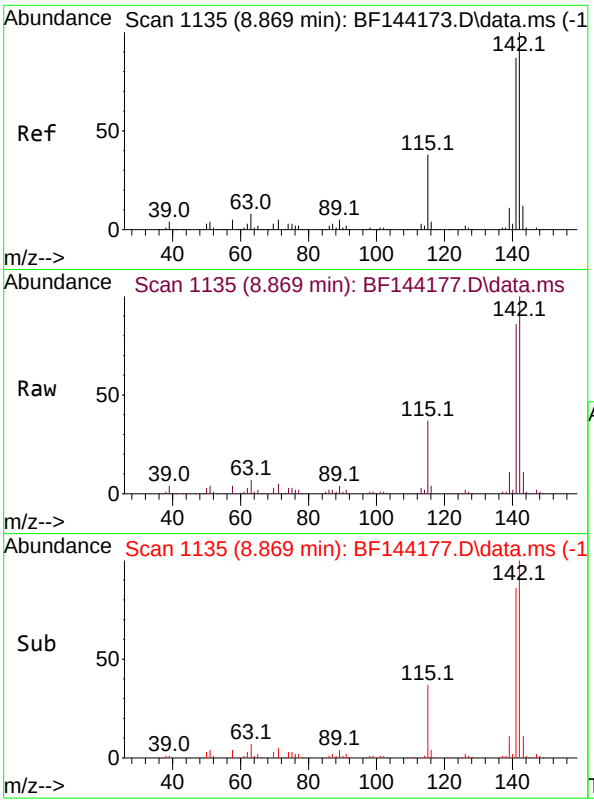


#36
4-Chloro-3-methylphenol
Concen: 34.336 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:107 Resp: 130667

Ion	Ratio	Lower	Upper
107	100		
144	27.5	23.3	34.9
142	78.3	63.8	95.6





#37
2-Methylnaphthalene
Concen: 31.978 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:142 Resp: 26863

Ion	Ratio	Lower	Upper
142	100		
141	86.3	69.9	104.9

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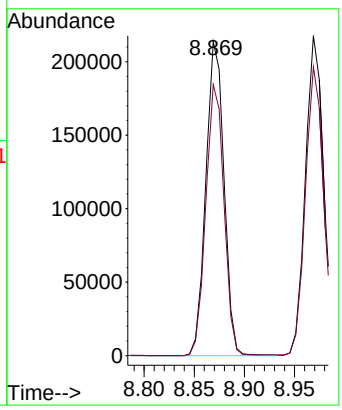
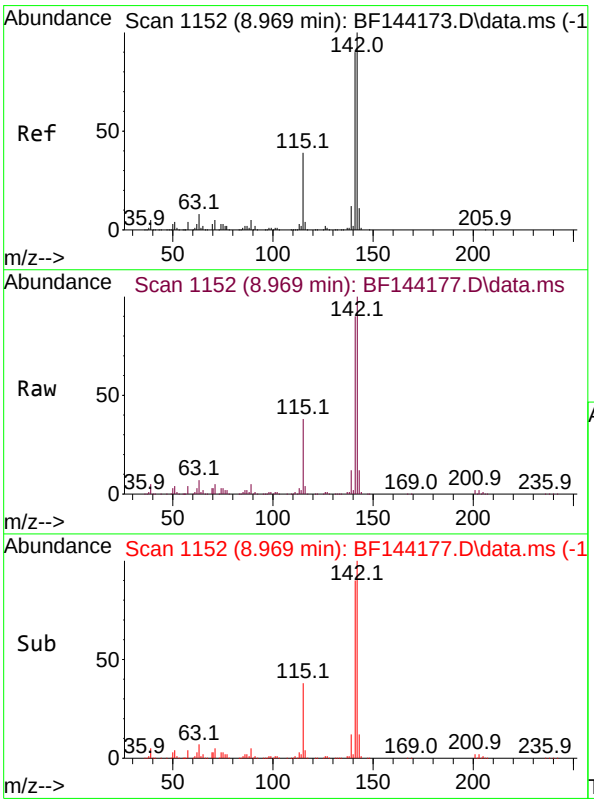
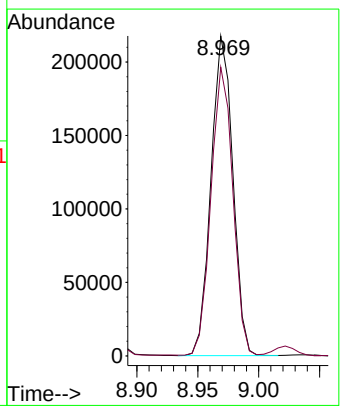


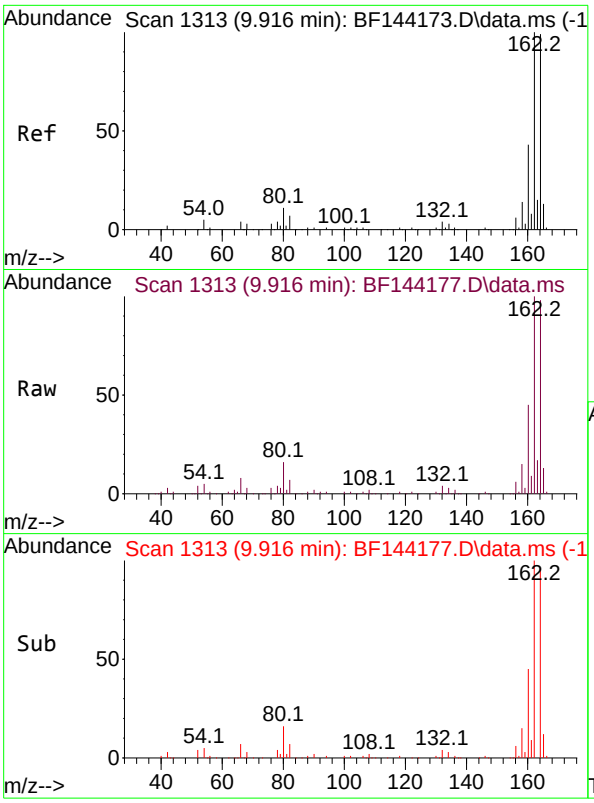


#38
1-Methylnaphthalene
Concen: 33.472 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:142 Resp: 271310

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1

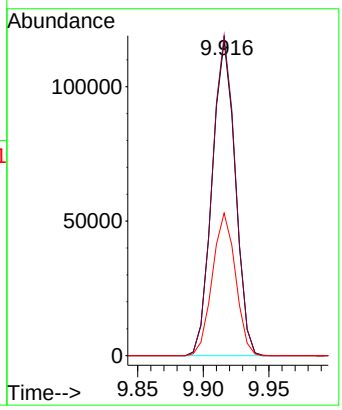




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:164 Resp: 14380

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.1	121.7
160	45.3	34.5	51.7



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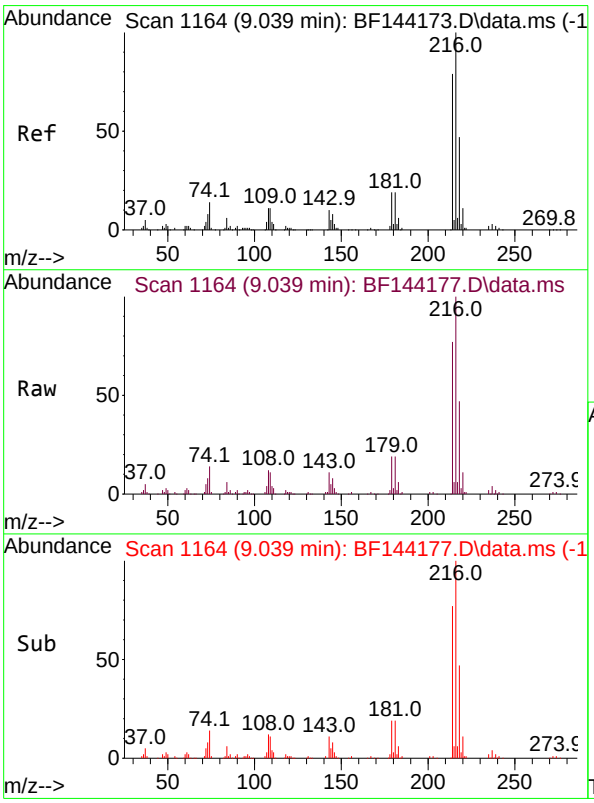
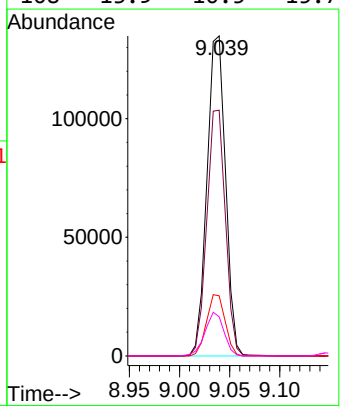
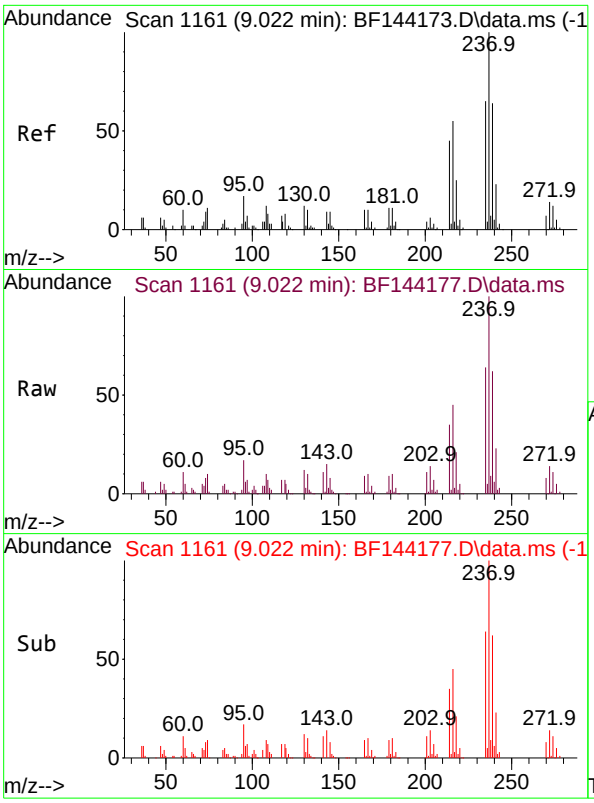


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.811 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:216 Resp: 173491

Ion	Ratio	Lower	Upper
216	100		
214	76.8	63.4	95.2
179	19.1	15.0	22.4
108	13.9	10.5	15.7





#41
Hexachlorocyclopentadiene
Concen: 46.350 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:237 Resp: 6998

Ion	Ratio	Lower	Upper
237	100		
235	63.7	45.5	85.5
272	14.0	0.0	33.5

Instrument :
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ClientSampleId :
ICVBF110525

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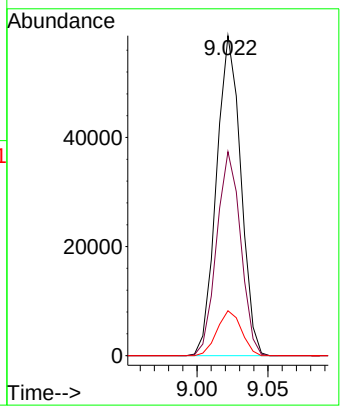
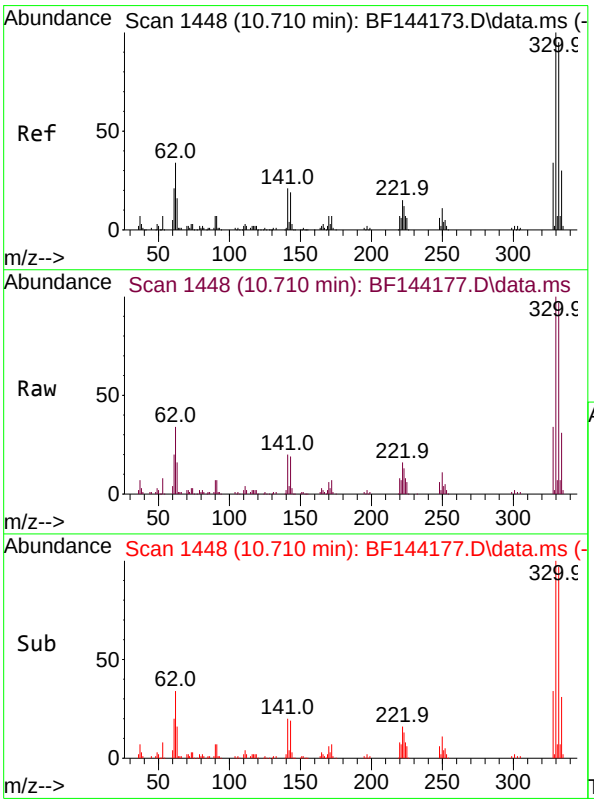
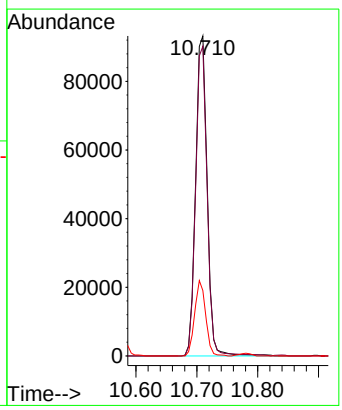


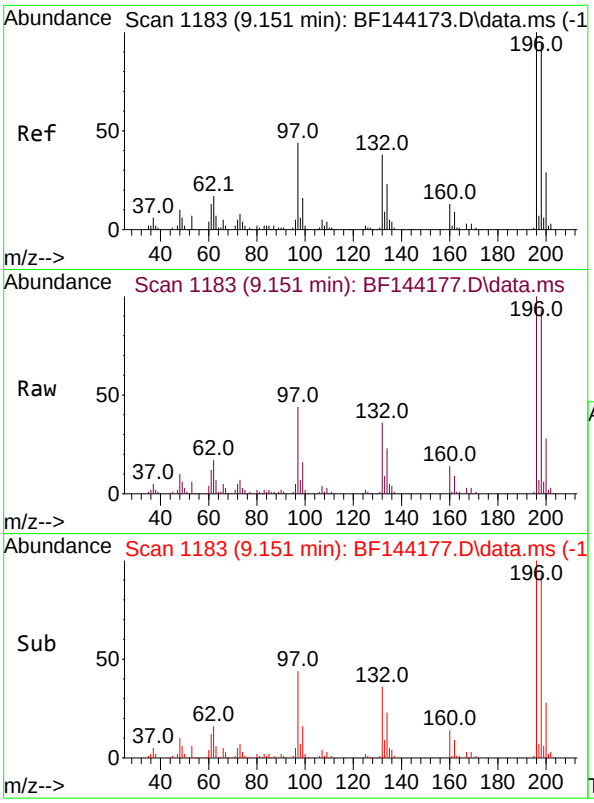


#42
2,4,6-Tribromophenol
Concen: 67.987 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:330 Resp: 122691

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	22.4	17.8	26.8

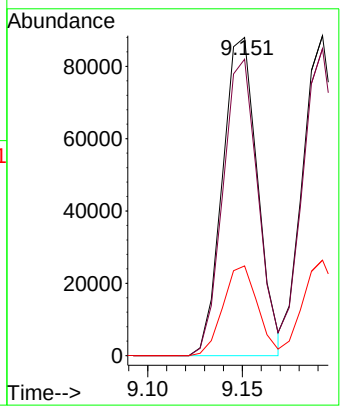




#43
2,4,6-Trichlorophenol
Concen: 35.357 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:196 Resp: 113418

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.3	112.9
200	28.2	23.4	35.2



Instrument :
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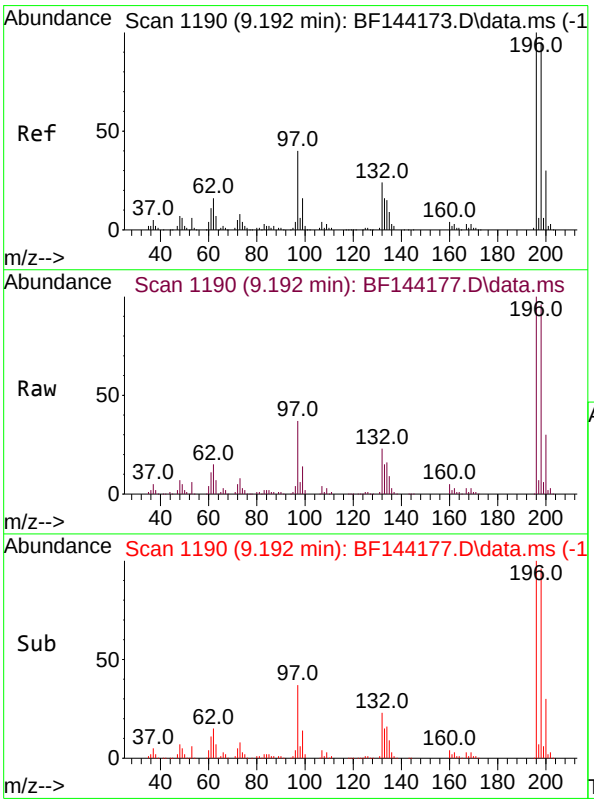
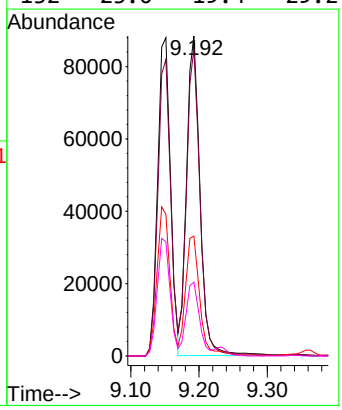
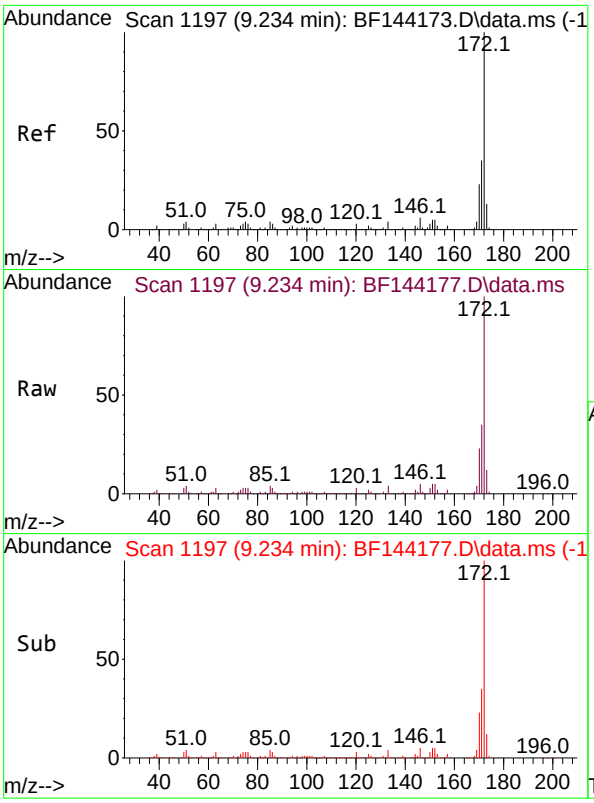


#44
2,4,5-Trichlorophenol
Concen: 35.179 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:196 Resp: 121621

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.1	114.1
97	37.4	31.9	47.9
132	23.0	19.4	29.2

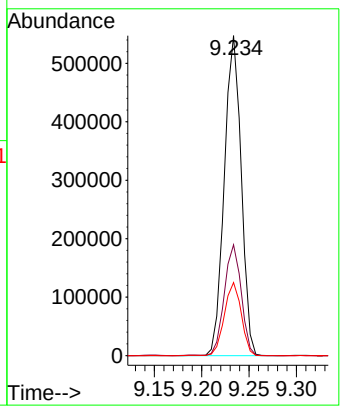




#45
2-Fluorobiphenyl
Concen: 69.741 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:172 Resp: 67905

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	22.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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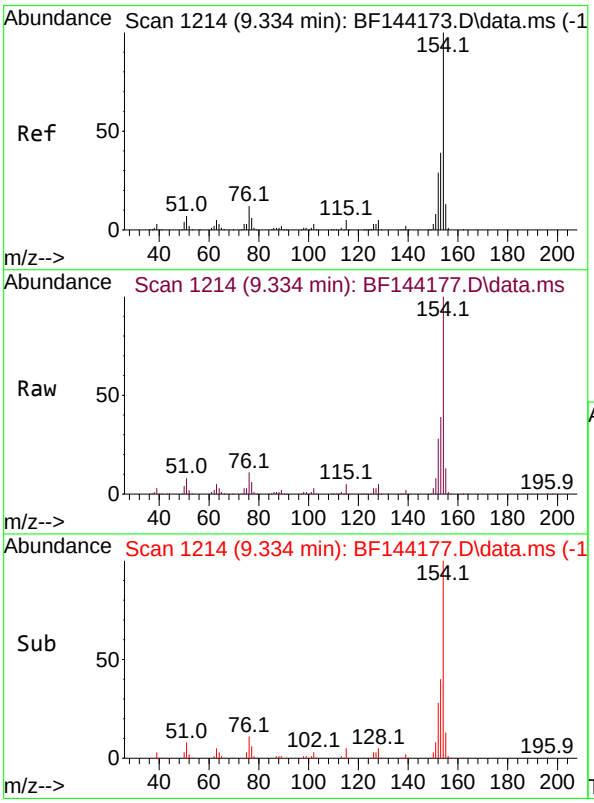
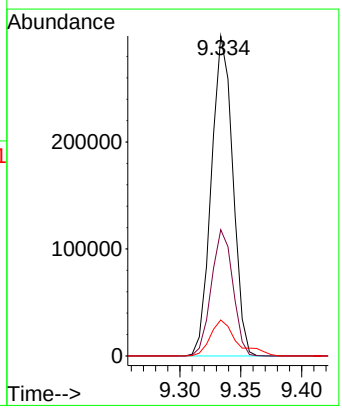
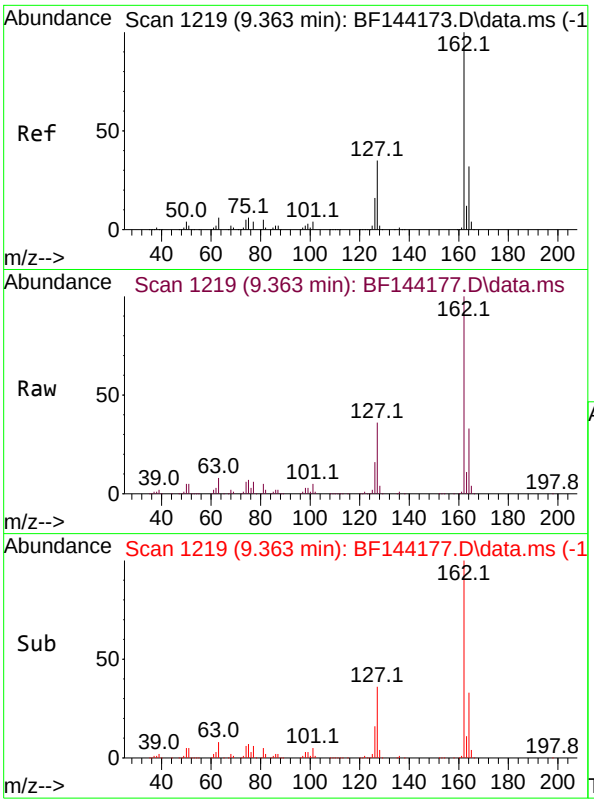


#46
1,1'-Biphenyl
Concen: 36.526 ng
RT: 9.334 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:154 Resp: 366655

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.2	59.2
76	11.2	0.0	31.8

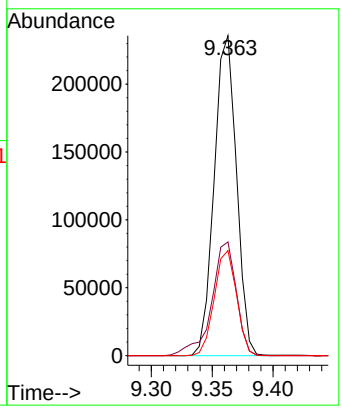




#47
2-Chloronaphthalene
Concen: 35.092 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:162 Resp: 30048

Ion	Ratio	Lower	Upper
162	100		
127	35.5	28.8	43.2
164	32.8	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
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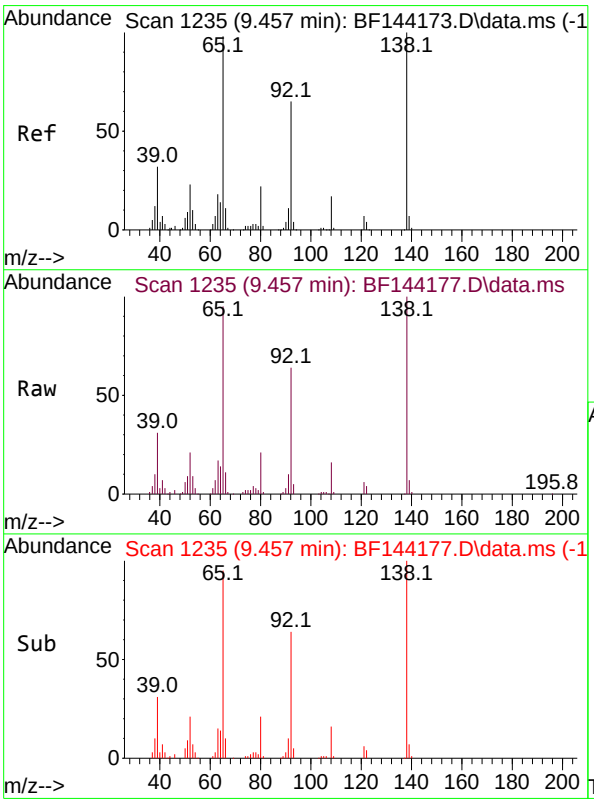
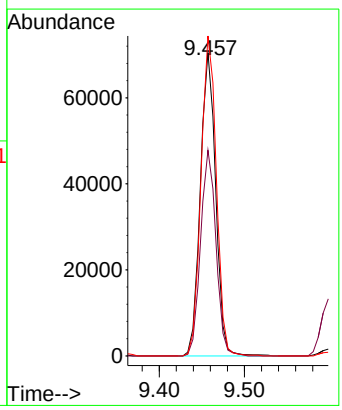
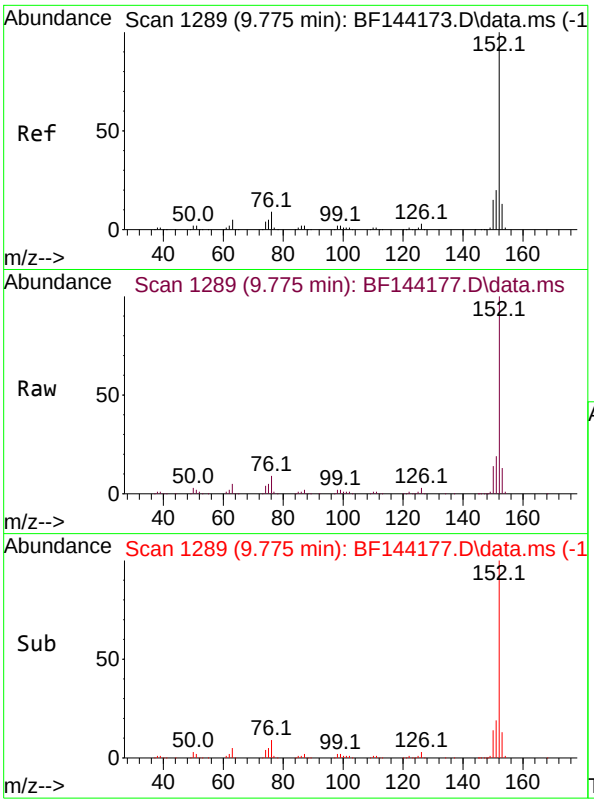


#48
2-Nitroaniline
Concen: 35.641 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion: 65 Resp: 88055

Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.0	79.6
138	105.5	81.6	122.4

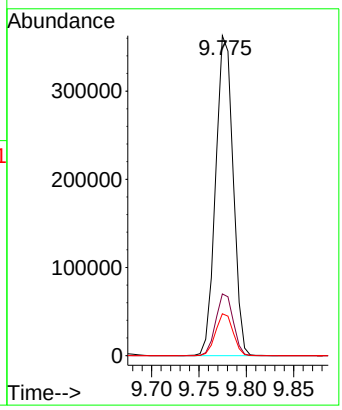




#49
Acenaphthylene
Concen: 39.818 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:152 Resp: 46461

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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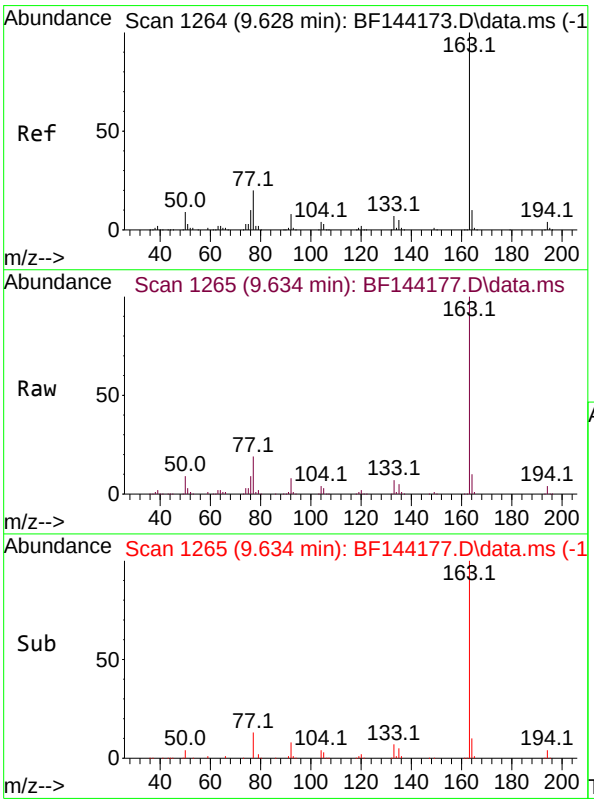
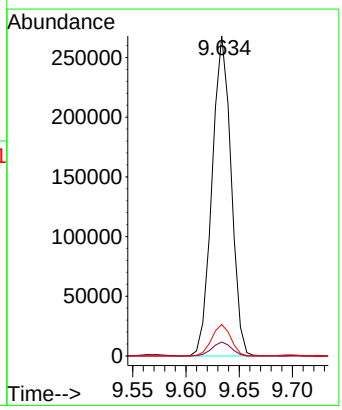
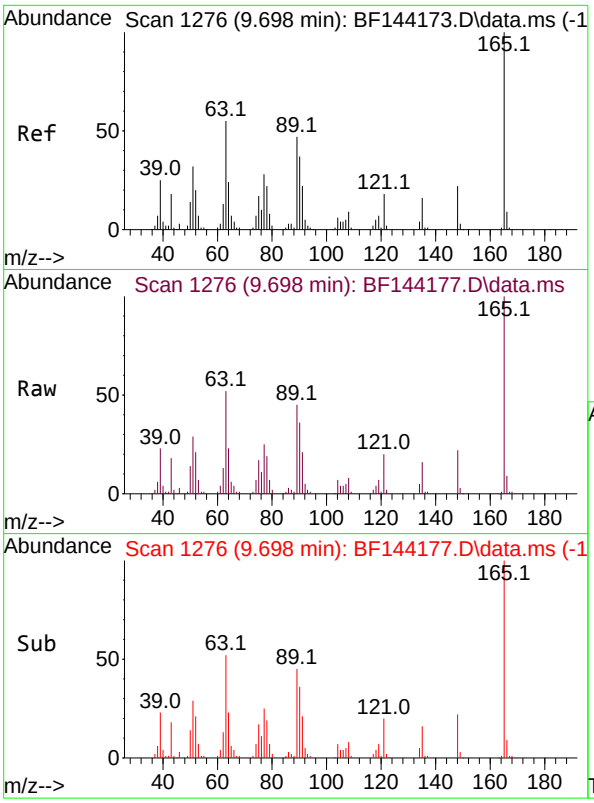


#50
Dimethylphthalate
Concen: 35.076 ng
RT: 9.634 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:163 Resp: 334163

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.8	8.1	12.1

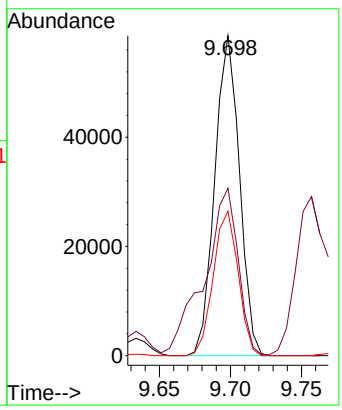




#51
2,6-Dinitrotoluene
Concen: 36.758 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:165 Resp: 7089

Ion	Ratio	Lower	Upper
165	100		
63	52.3	43.8	65.8
89	45.1	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
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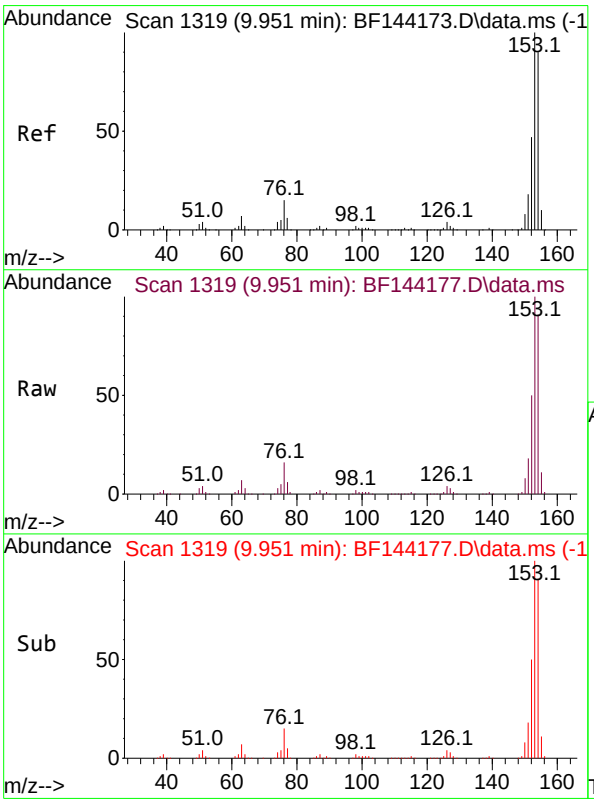
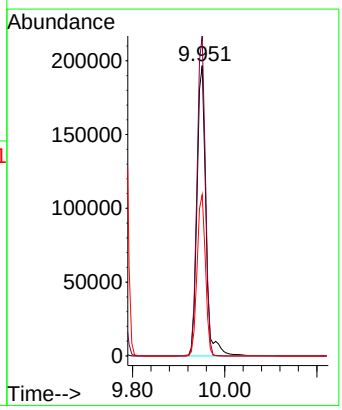
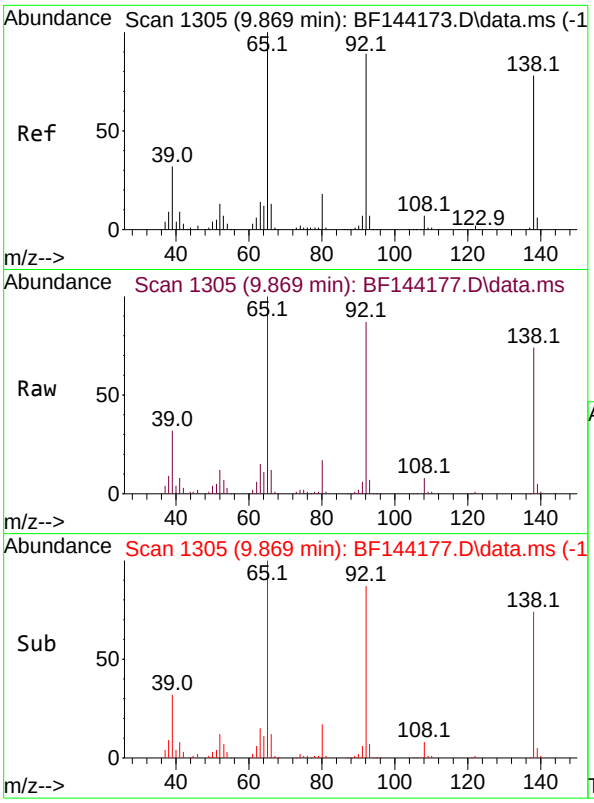


#52
Acenaphthene
Concen: 33.702 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:154 Resp: 262974

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.0	133.4
152	55.5	42.2	63.4





#53
3-Nitroaniline
Concen: 35.372 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:138 Resp: 7457

Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.5	11.3
92	116.8	91.8	137.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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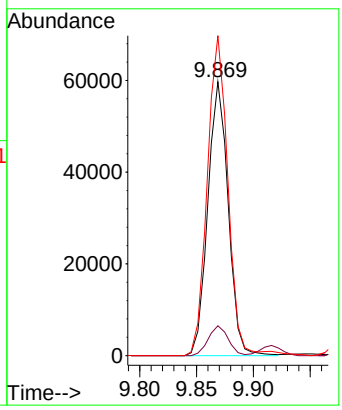
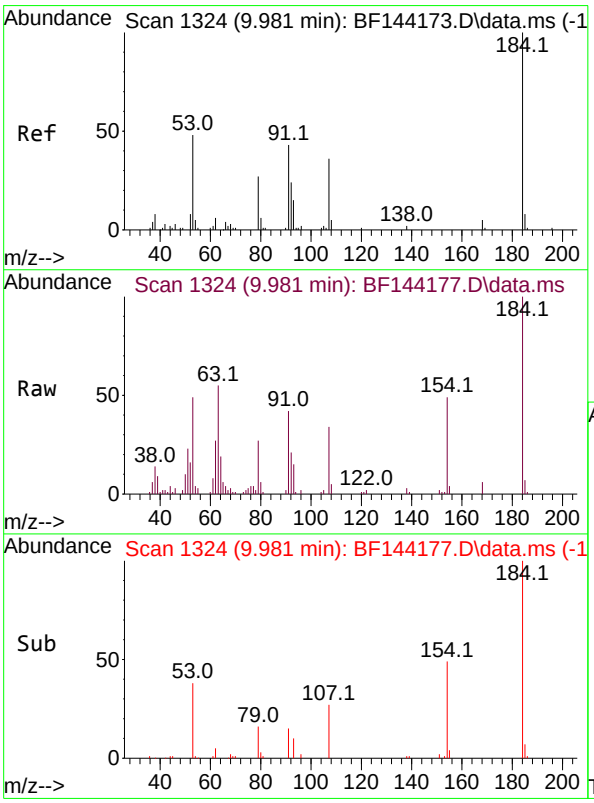
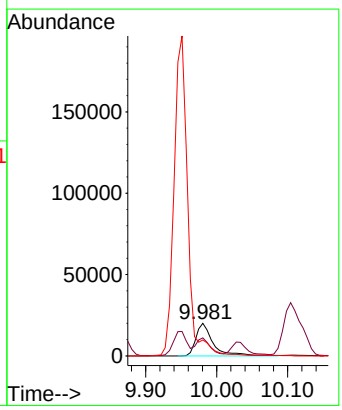


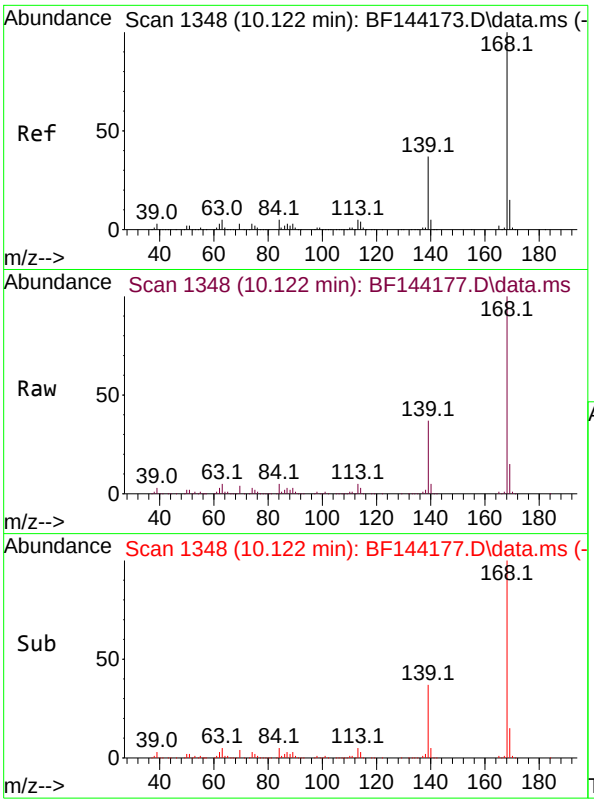


#54
2,4-Dinitrophenol
Concen: 28.732 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:184 Resp: 33460

Ion	Ratio	Lower	Upper
184	100		
63	55.3	44.0	66.0
154	48.9	42.4	63.6

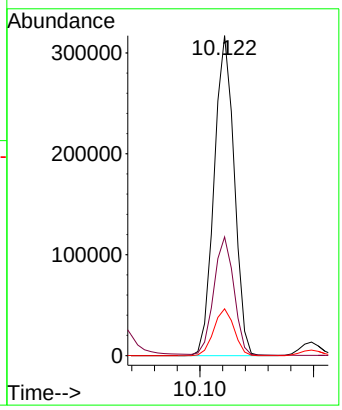




#55
Dibenzofuran
Concen: 35.602 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:168 Resp: 38907

Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.2	45.2
169	14.6	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
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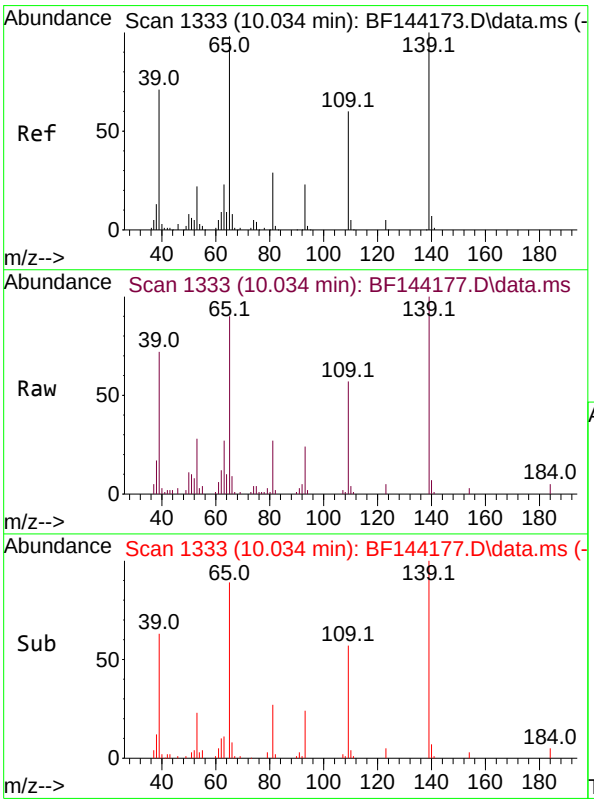
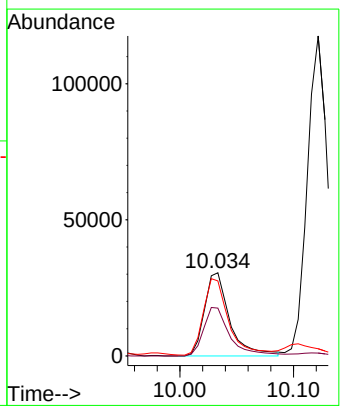
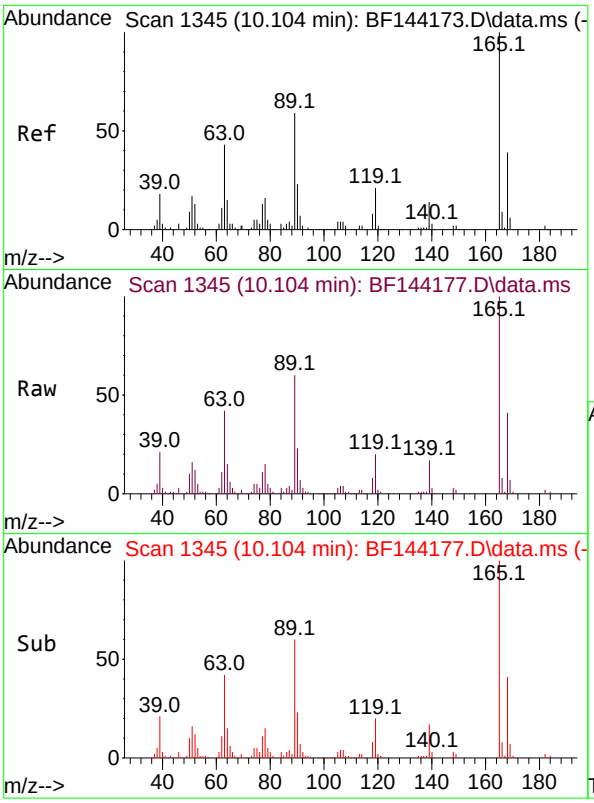


#56
4-Nitrophenol
Concen: 30.929 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:139 Resp: 47167

Ion	Ratio	Lower	Upper
139	100		
109	57.5	39.9	79.9
65	90.2	79.5	119.5

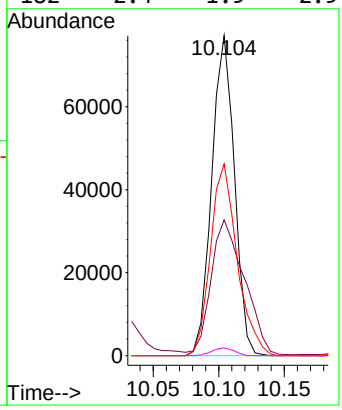




#57
2,4-Dinitrotoluene
Concen: 35.994 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:165 Resp: 9292

Ion	Ratio	Lower	Upper
165	100		
63	42.4	35.5	53.3
89	59.9	47.4	71.2
182	2.4	1.9	2.9



Instrument :
BNA_F
ClientSampleId :
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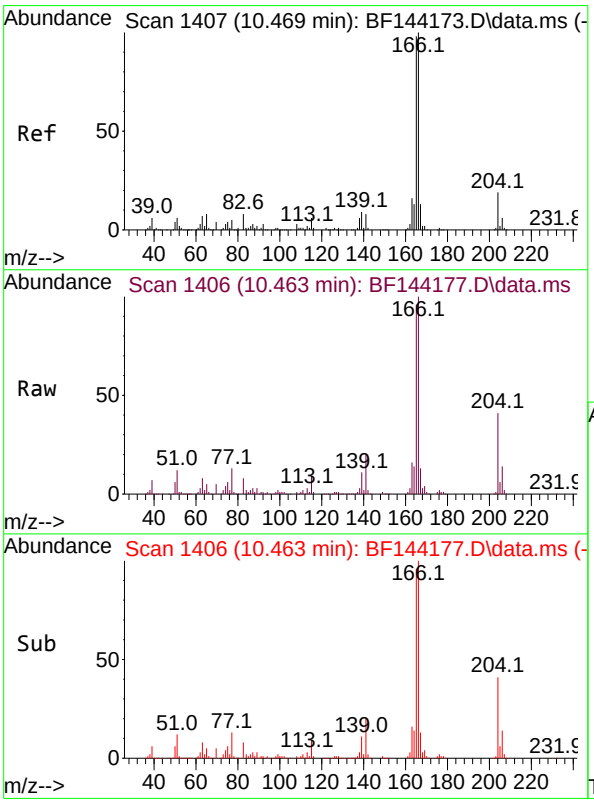
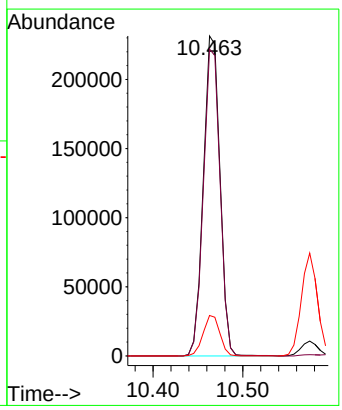
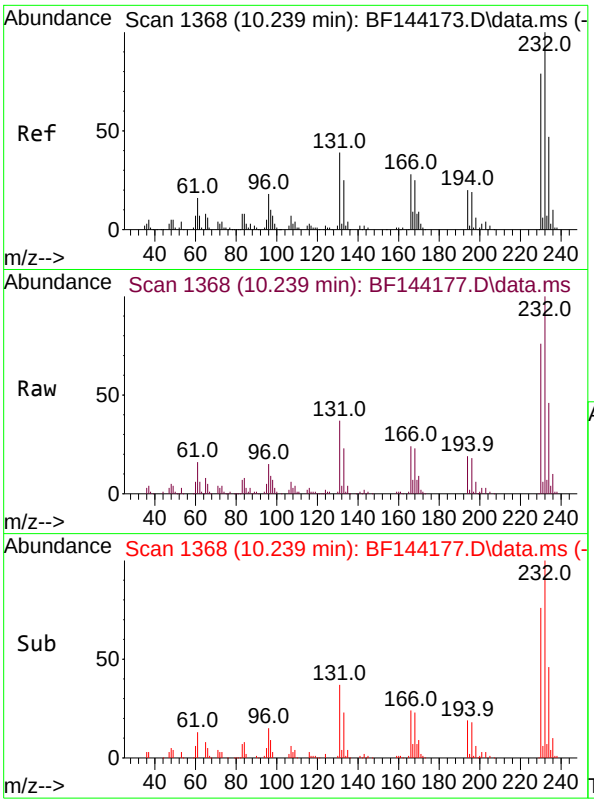


#58
Fluorene
Concen: 35.903 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:166 Resp: 298316

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.6	118.0
167	12.6	10.4	15.6

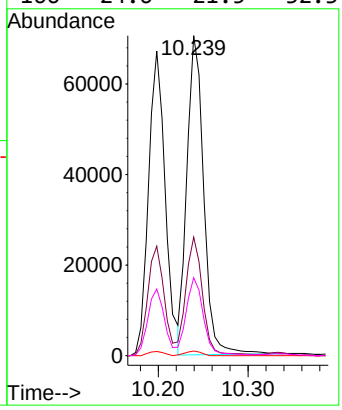




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.425 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:232 Resp: 9154

Ion	Ratio	Lower	Upper
232	100		
131	37.7	30.3	45.5
130	1.4	1.2	1.8
166	24.6	21.5	32.3



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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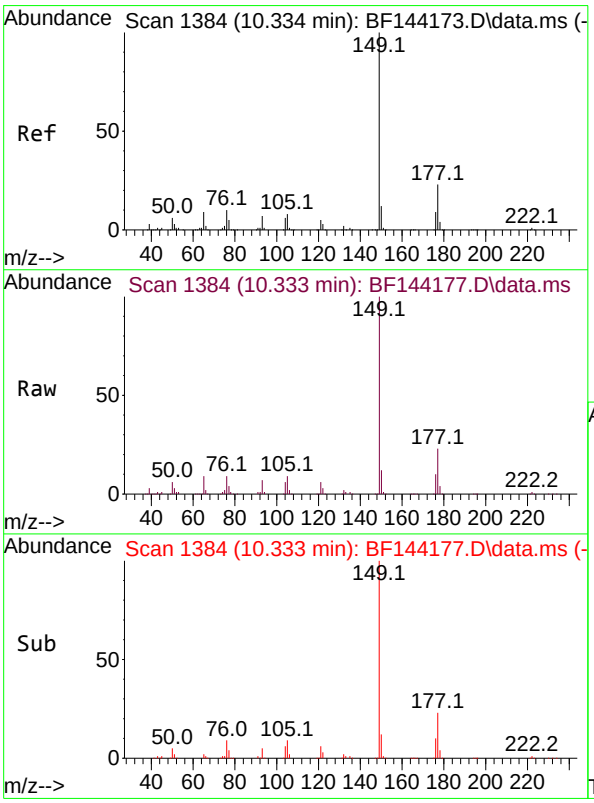
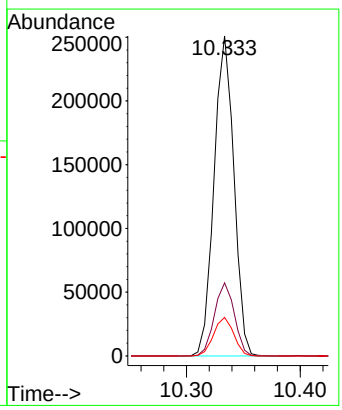
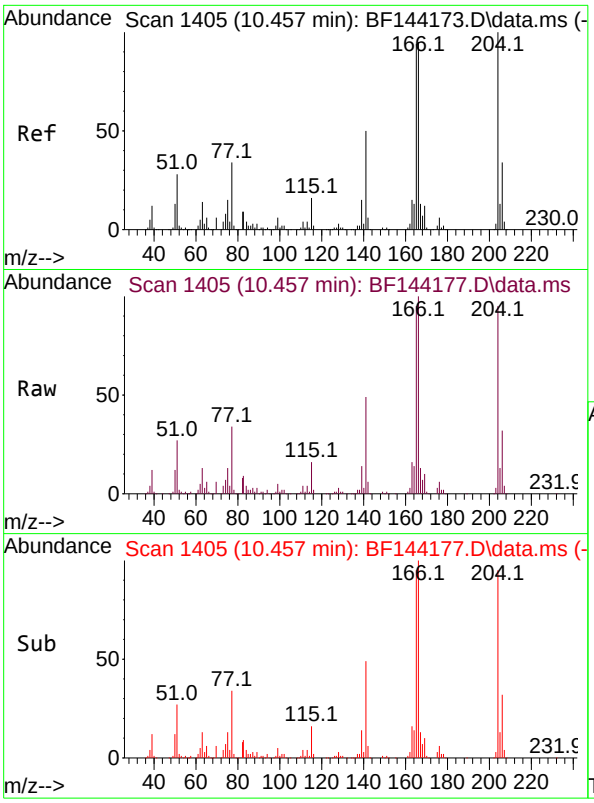


#60
Diethylphthalate
Concen: 34.646 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 304274

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.3	27.5
150	12.0	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 35.002 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Tgt Ion:204 Resp: 16566

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	51.8	40.0	60.0

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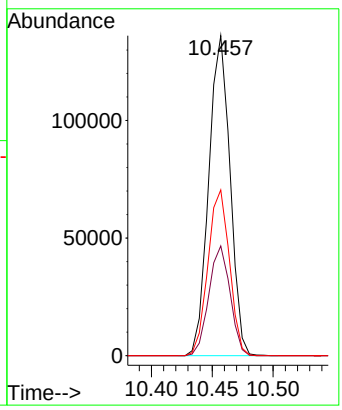
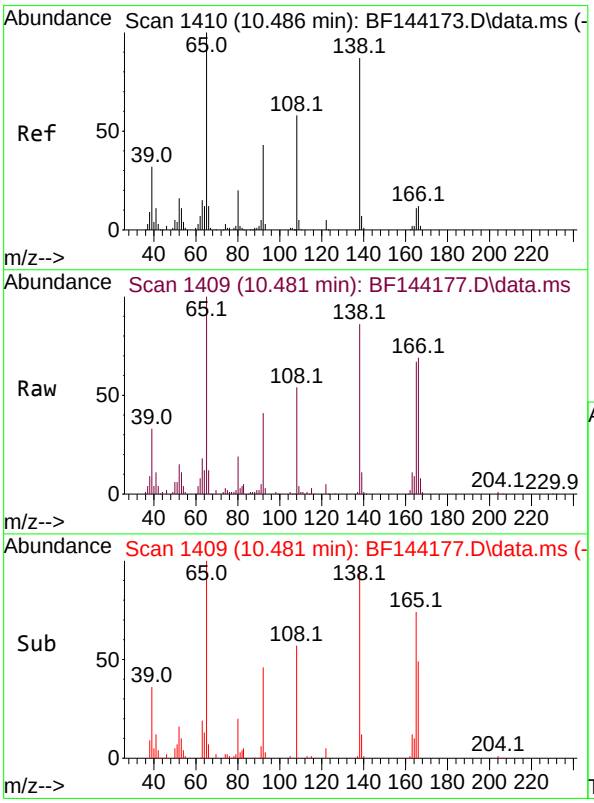
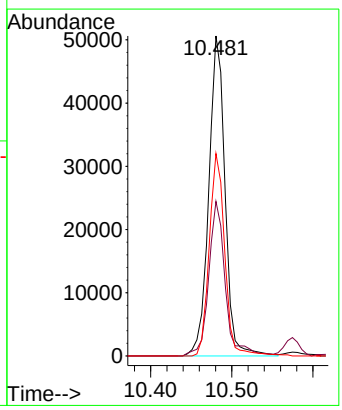


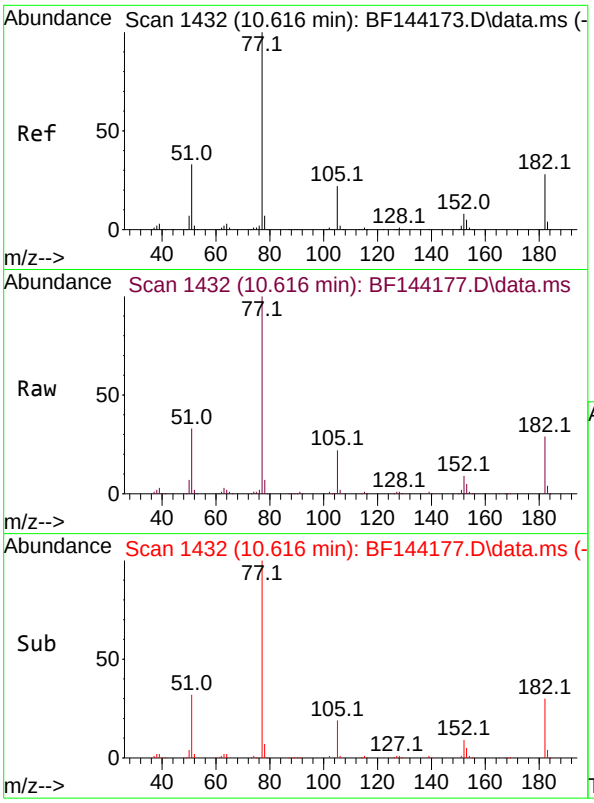


#62
4-Nitroaniline
Concen: 35.278 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:138 Resp: 70828

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.4	69.4
108	63.2	46.4	86.4





#63
Azobenzene
Concen: 35.958 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Tgt Ion: 77 Resp: 29390

Ion	Ratio	Lower	Upper
77	100		
182	29.3	8.1	48.1
105	22.3	2.0	42.0
51	32.9	13.9	53.9

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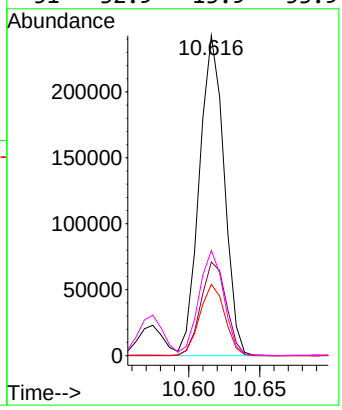
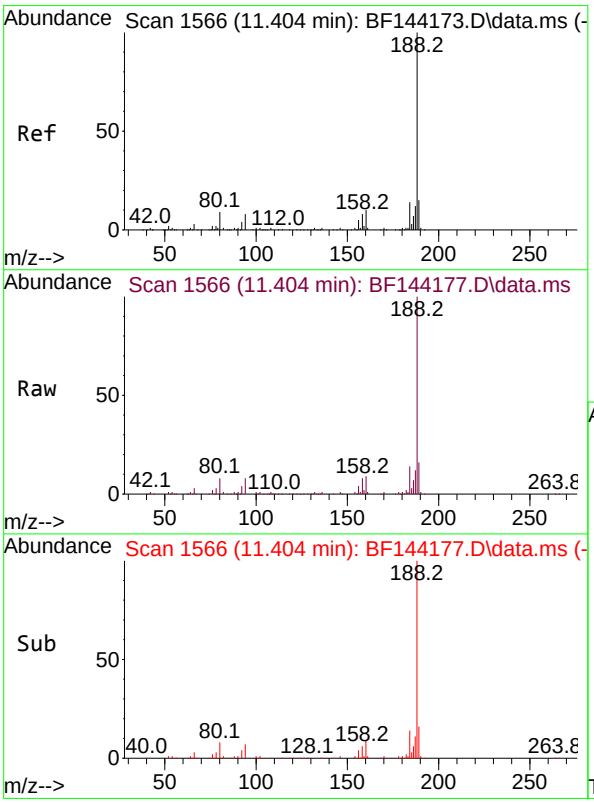
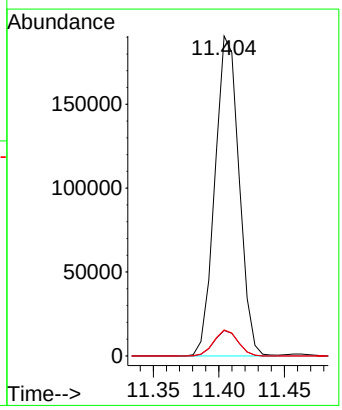


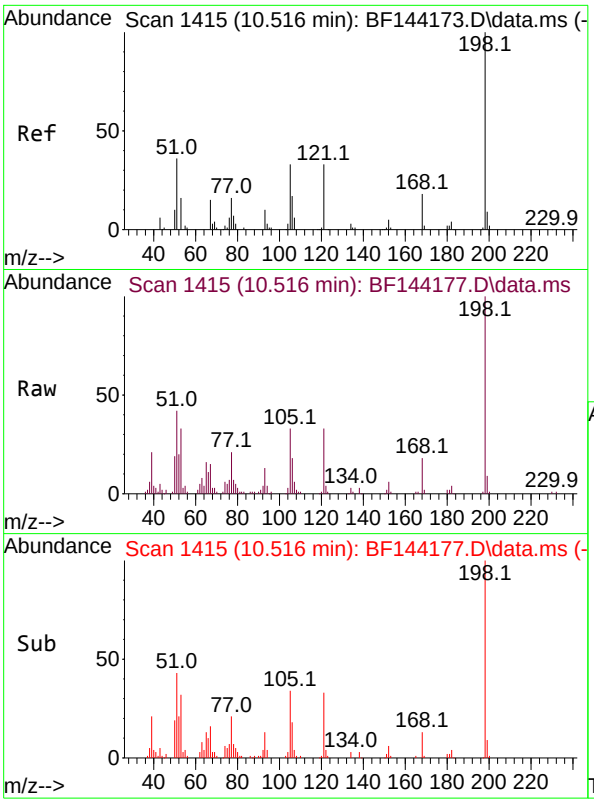


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:188 Resp: 244964

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.2	9.2
80	8.1	6.9	10.3





#65
4,6-Dinitro-2-methylphenol
Concen: 31.346 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:198 Resp: 5216

Ion	Ratio	Lower	Upper
198	100		
51	42.3	25.6	65.6
105	33.1	14.6	54.6

Instrument :
BNA_F
ClientSampleId :
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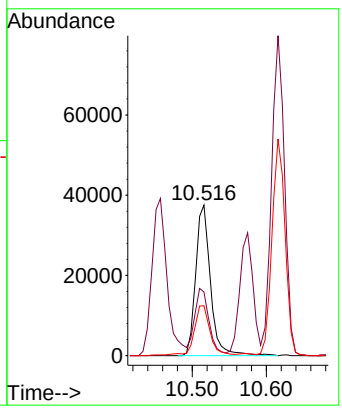
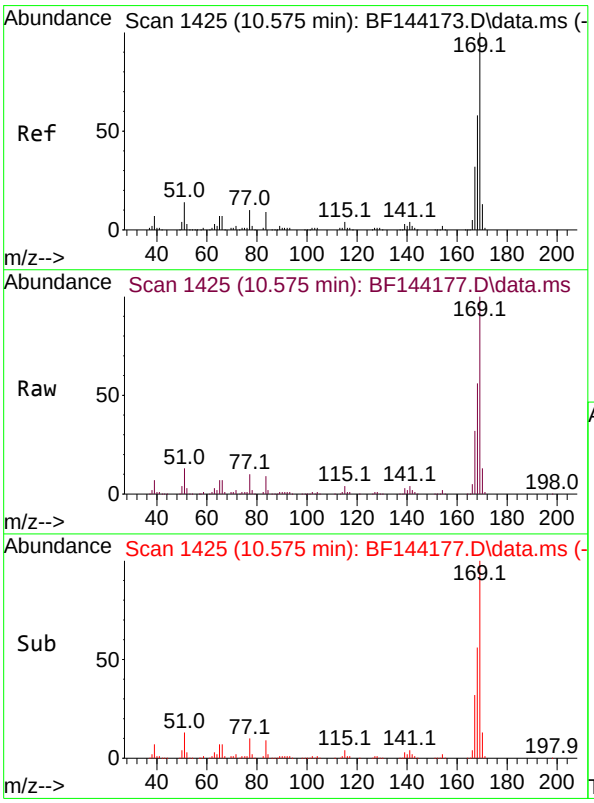
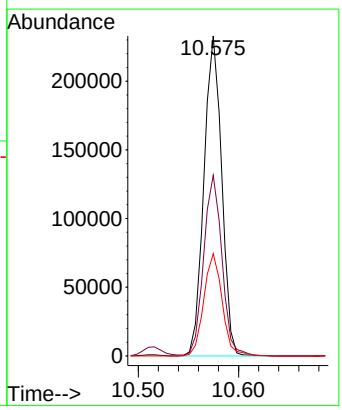


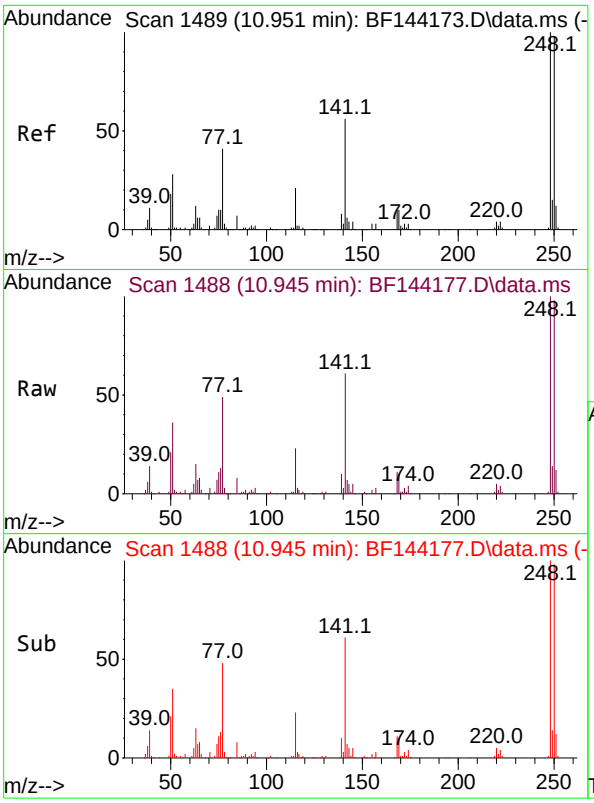


#66
n-Nitrosodiphenylamine
Concen: 36.292 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:169 Resp: 285930

Ion	Ratio	Lower	Upper
169	100		
168	56.4	46.2	69.2
167	31.9	25.7	38.5





#67
4-Bromophenyl-phenylether
Concen: 34.135 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:248 Resp: 10673

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.4	117.6
141	61.1	45.1	67.7

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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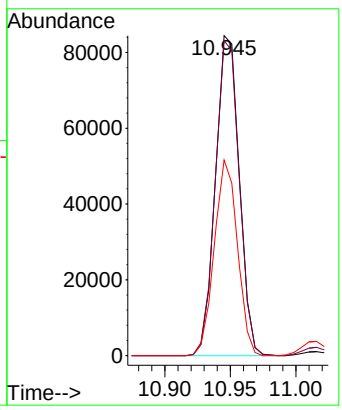
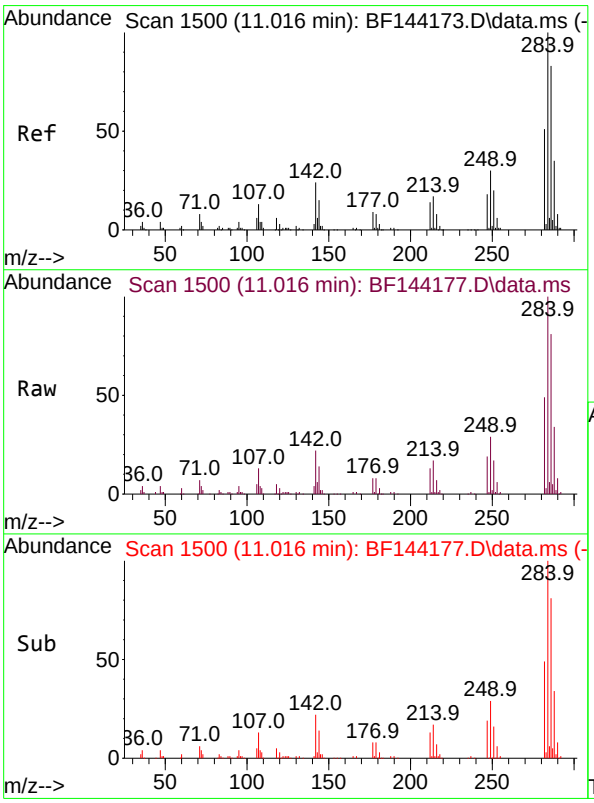
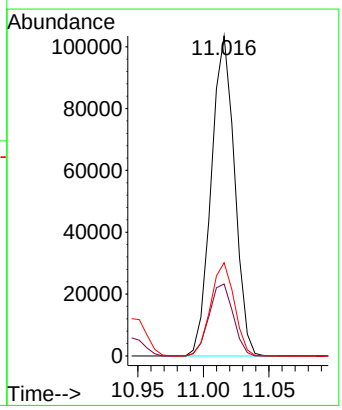


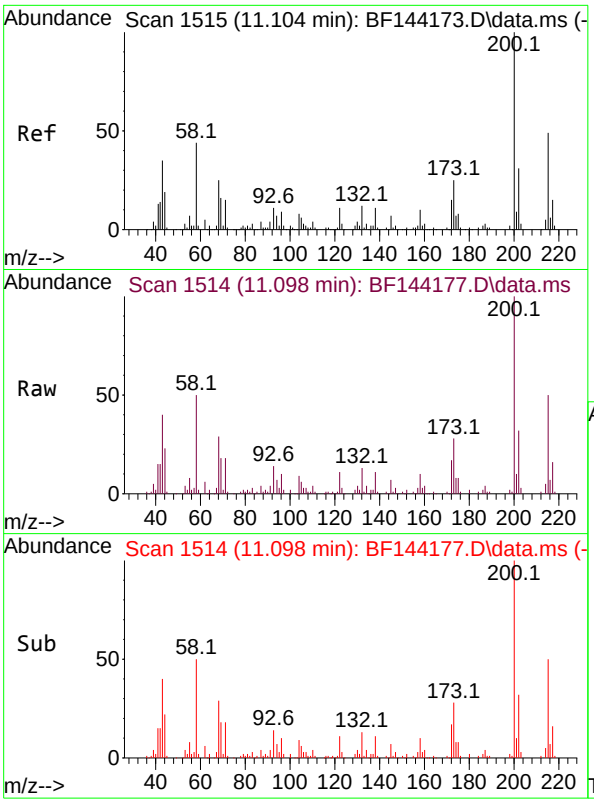


#68
Hexachlorobenzene
Concen: 34.810 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:284 Resp: 128202

Ion	Ratio	Lower	Upper
284	100		
142	22.5	19.2	28.8
249	29.1	23.8	35.8

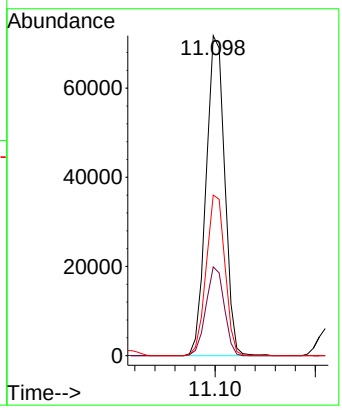




#69
Atrazine
Concen: 36.790 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:200 Resp: 9218

Ion	Ratio	Lower	Upper
200	100		
173	27.7	5.0	45.0
215	50.2	28.7	68.7



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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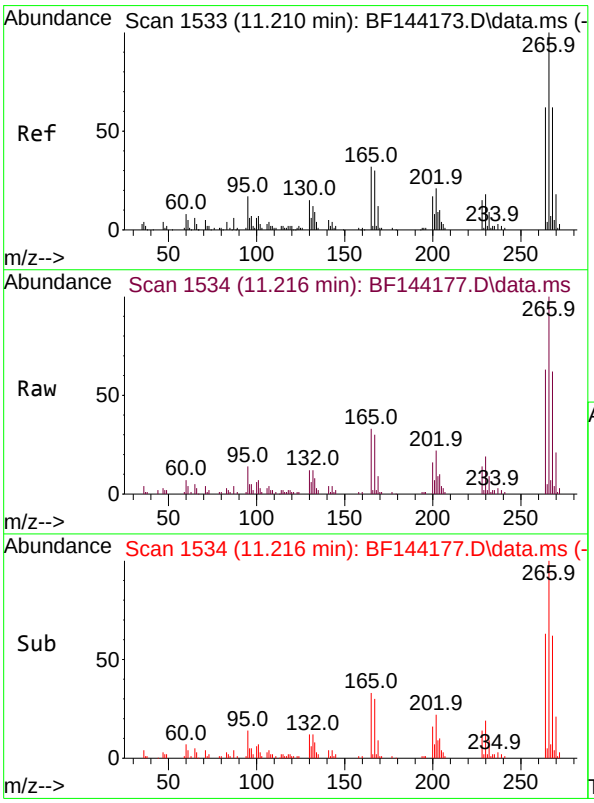
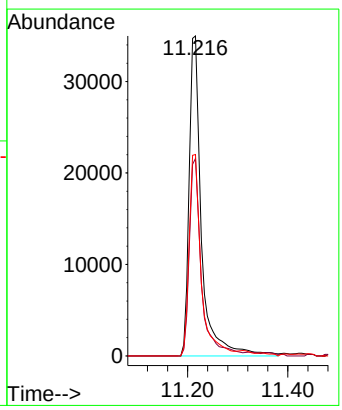
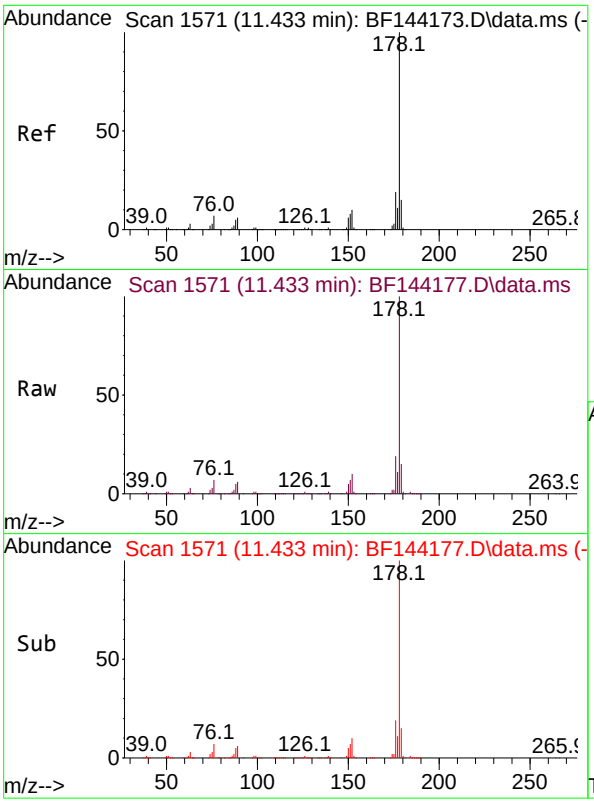


#70
Pentachlorophenol
Concen: 32.706 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:266 Resp: 59981

Ion	Ratio	Lower	Upper
266	100		
268	61.7	49.5	74.3
264	62.9	49.4	74.2

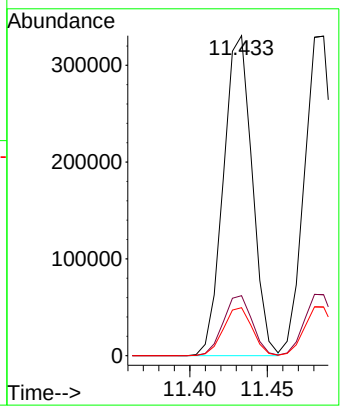




#71
Phenanthrene
Concen: 35.049 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:178 Resp: 42746

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	15.0	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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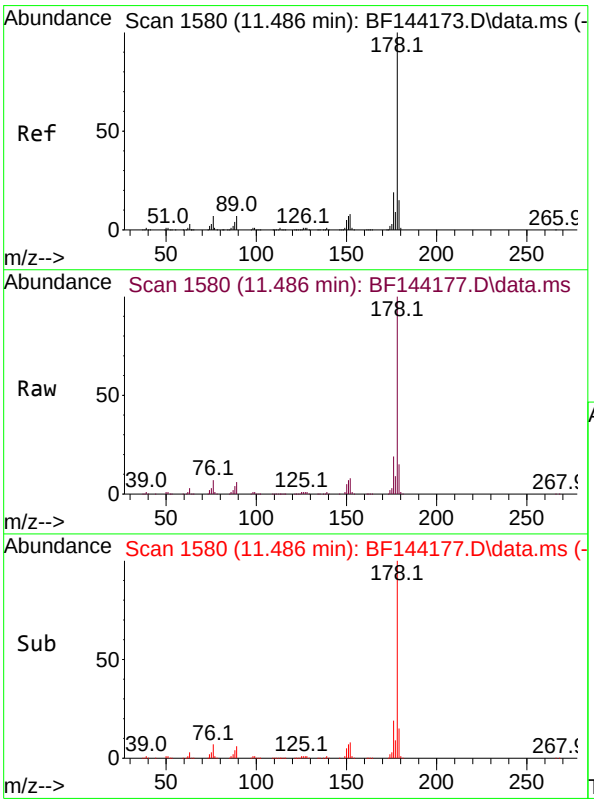
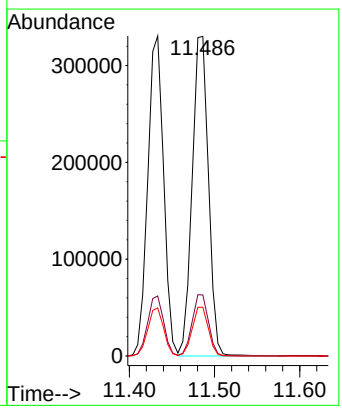
Supervised By :Jagrut Upadhyay 11/06/2025

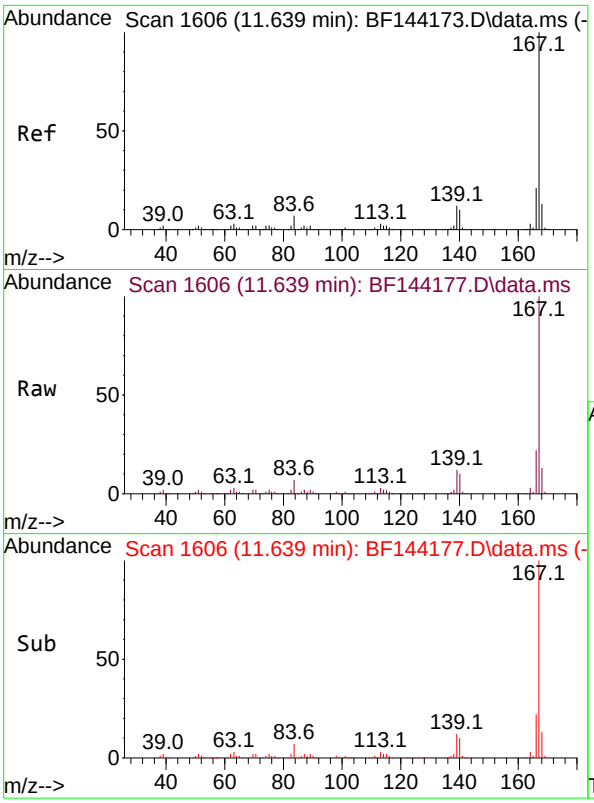


#72
Anthracene
Concen: 35.286 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:178 Resp: 437609

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.0	18.0

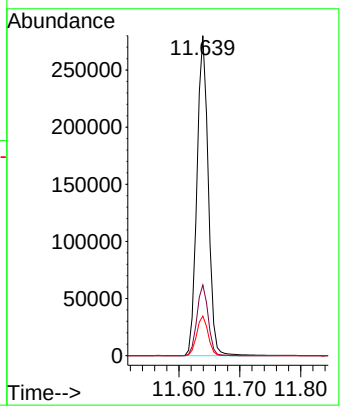




#73
Carbazole
Concen: 34.224 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:167 Resp: 360909

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	12.4	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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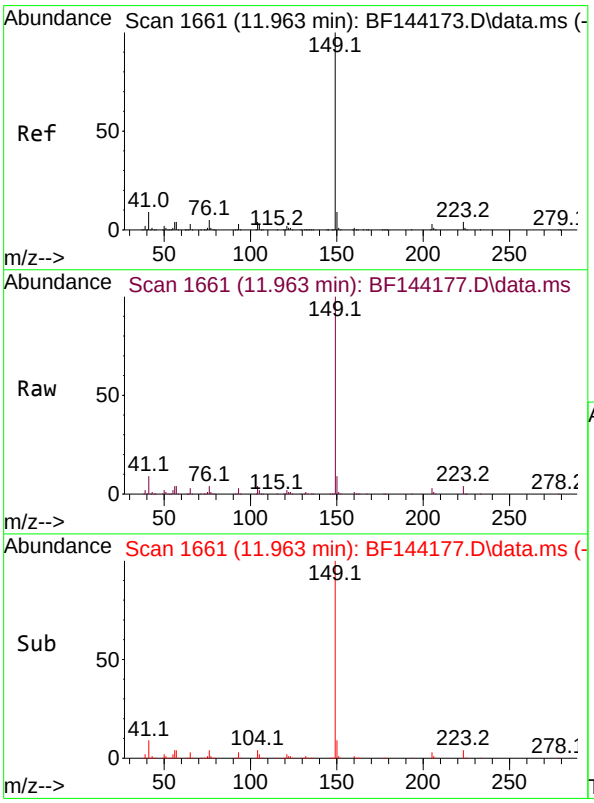
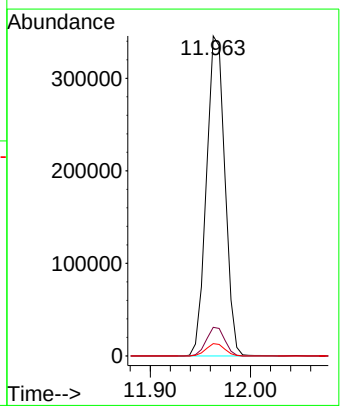
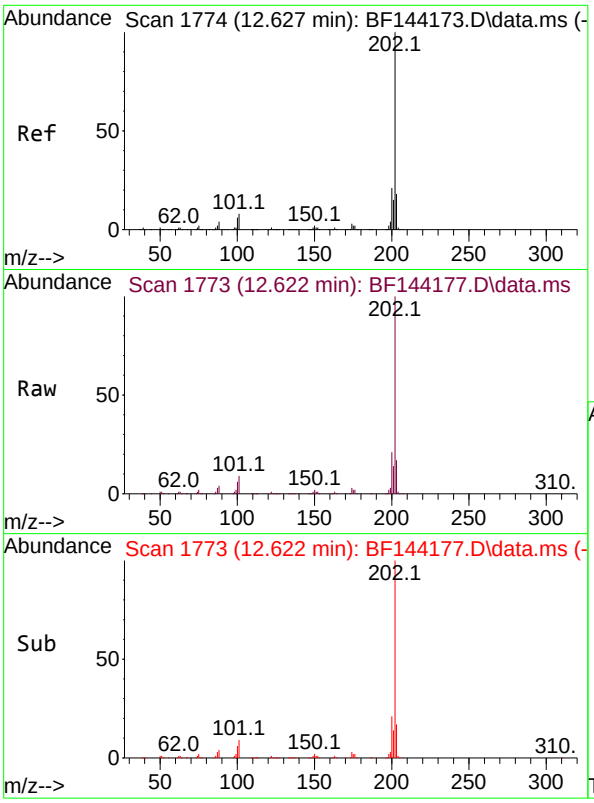


#74
Di-n-butylphthalate
Concen: 34.535 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 440261

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	3.8	3.4	5.2

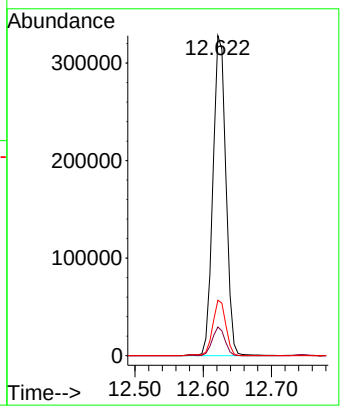




#75
Fluoranthene
Concen: 34.338 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:202 Resp: 43262

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	27.9
203	17.3	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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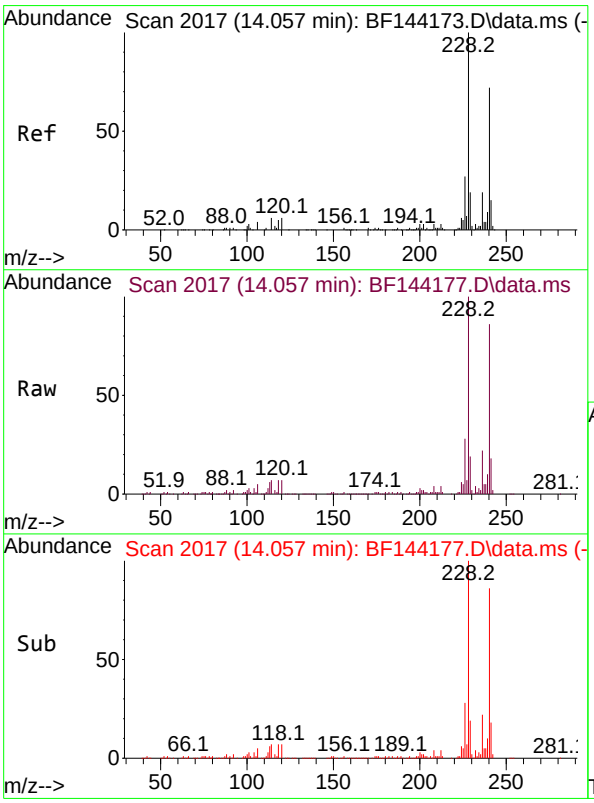
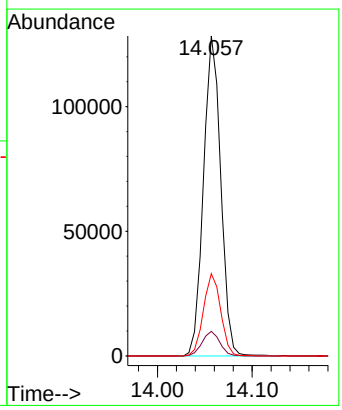
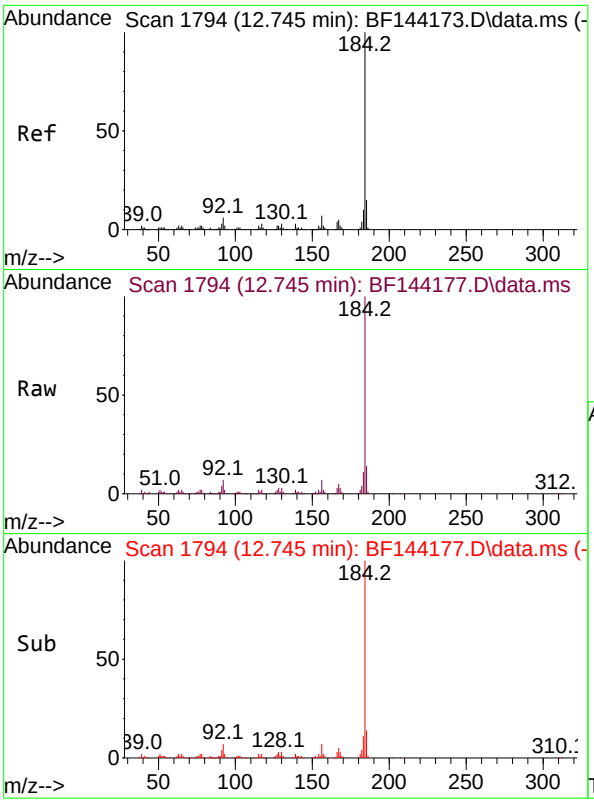


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:240 Resp: 162721

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.6	10.0
236	25.7	21.4	32.2

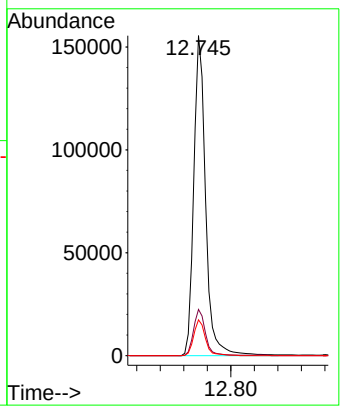




#77
Benzidine
Concen: 45.165 ng
RT: 12.745 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:184 Resp: 21738

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.7	17.5
183	11.2	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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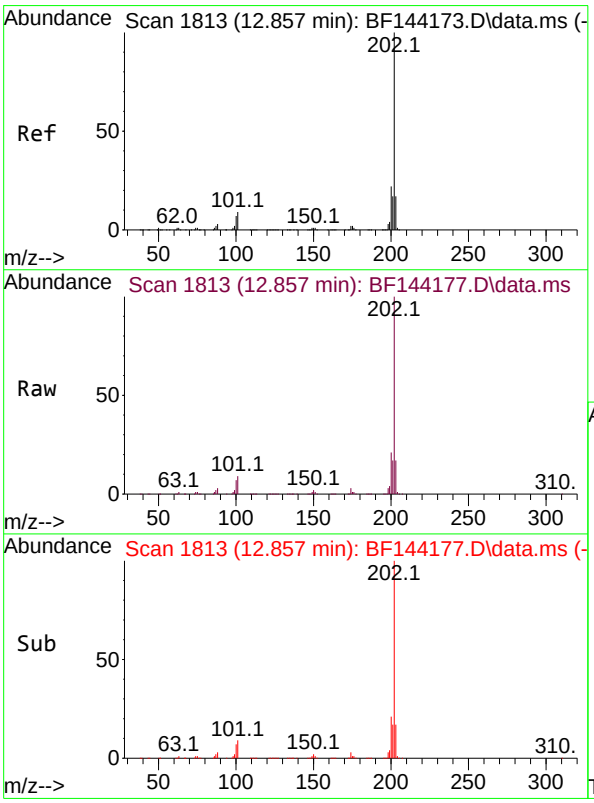
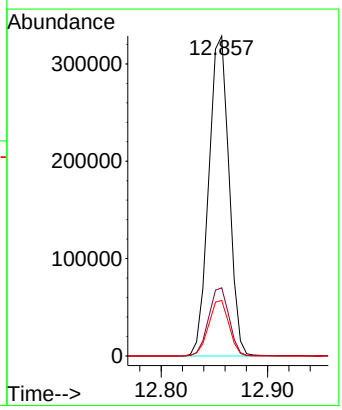
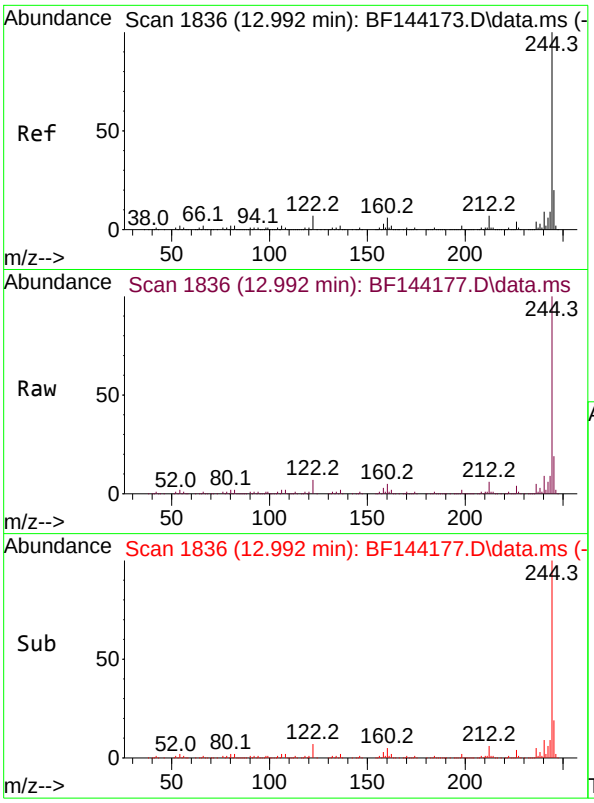


#78
Pyrene
Concen: 33.011 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:202 Resp: 433110

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.3	13.7	20.5

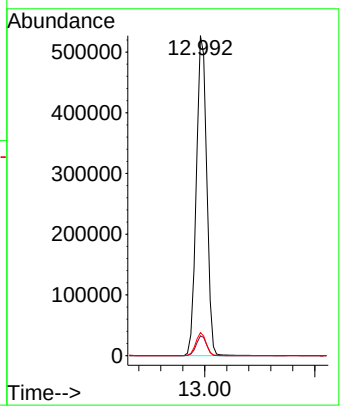




#79
Terphenyl-d14
Concen: 67.318 ng
RT: 12.992 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:244 Resp: 68962

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.2	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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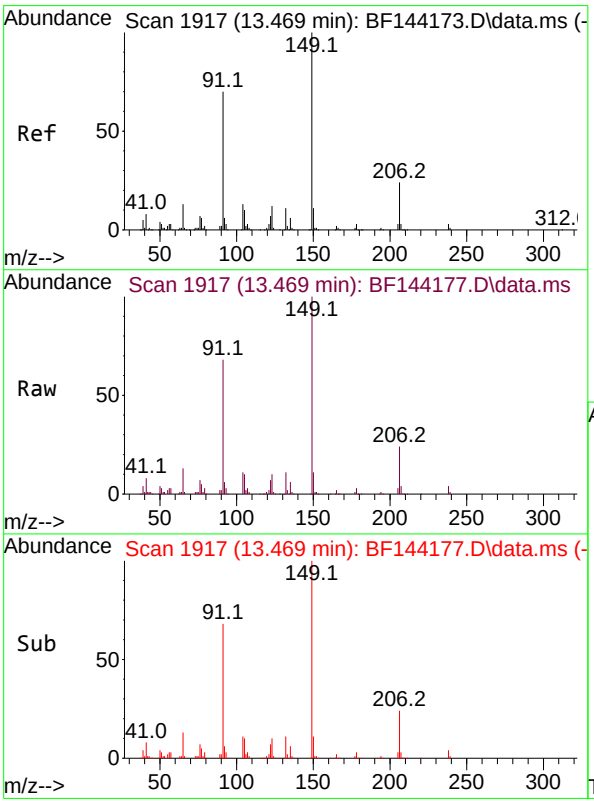
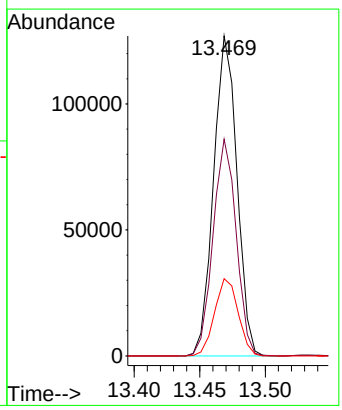
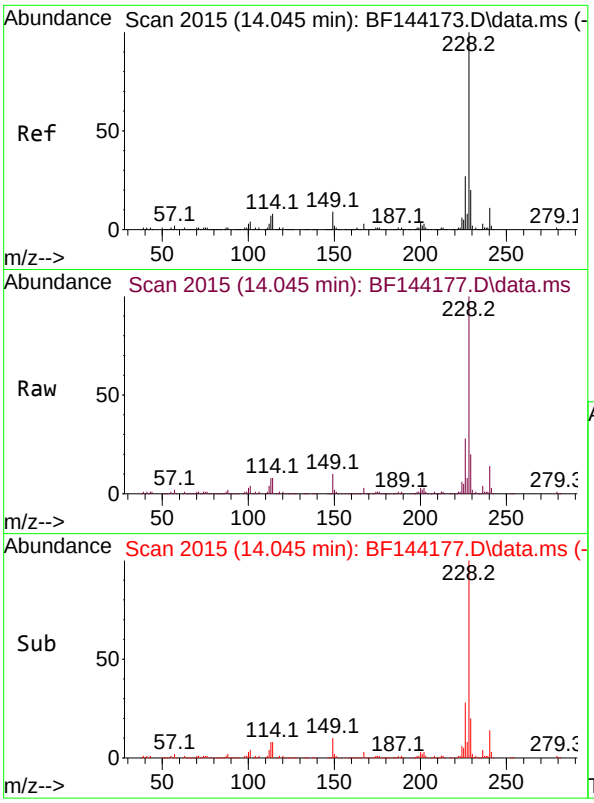


#80
Butylbenzylphthalate
Concen: 34.633 ng
RT: 13.469 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 157485

Ion	Ratio	Lower	Upper
149	100		
91	67.7	56.1	84.1
206	24.1	18.8	28.2





#81
Benzo(a)anthracene
Concen: 33.489 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:228 Resp: 37768

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.7	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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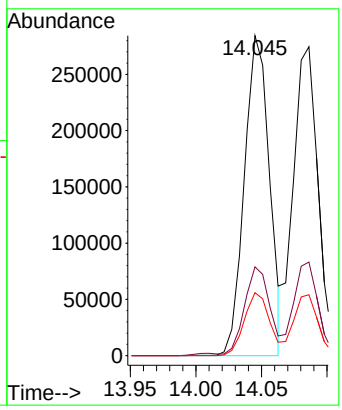
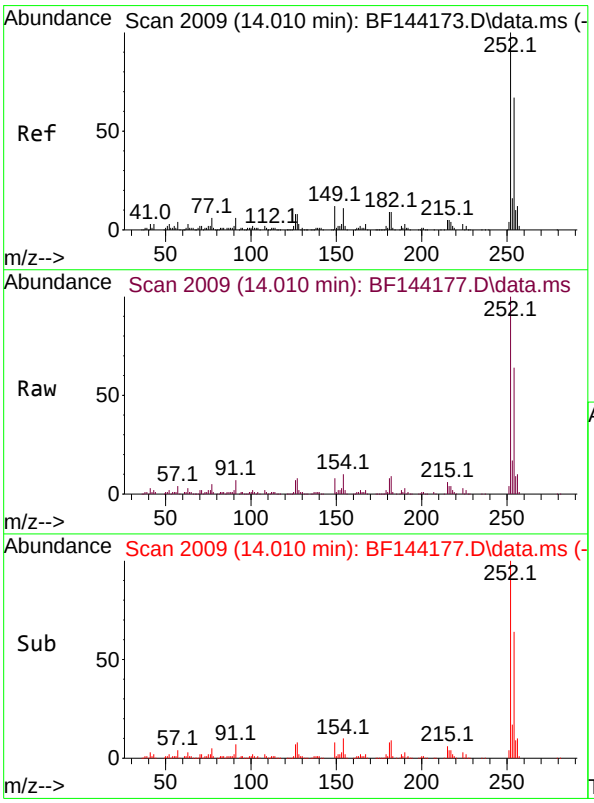
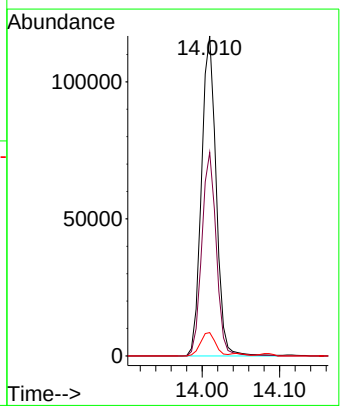


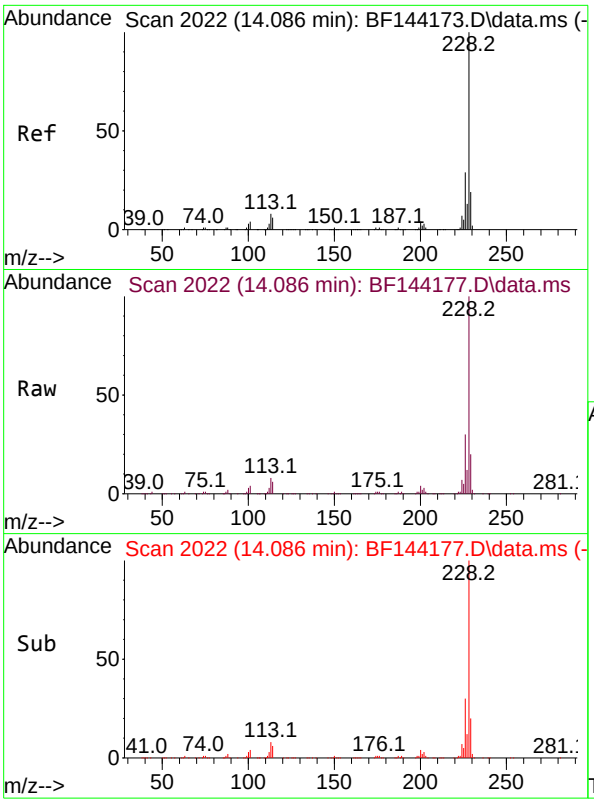


#82
3,3'-Dichlorobenzidine
Concen: 39.612 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 153129

Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.5	80.3
126	7.3	6.4	9.6

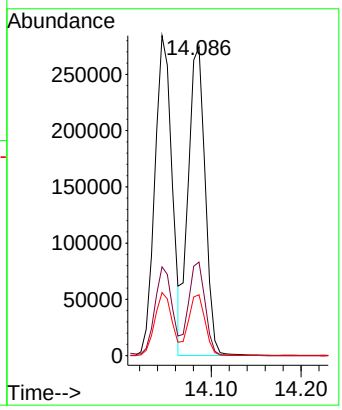




#83
Chrysene
Concen: 34.559 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:228 Resp: 35978

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.9	34.3
229	19.7	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
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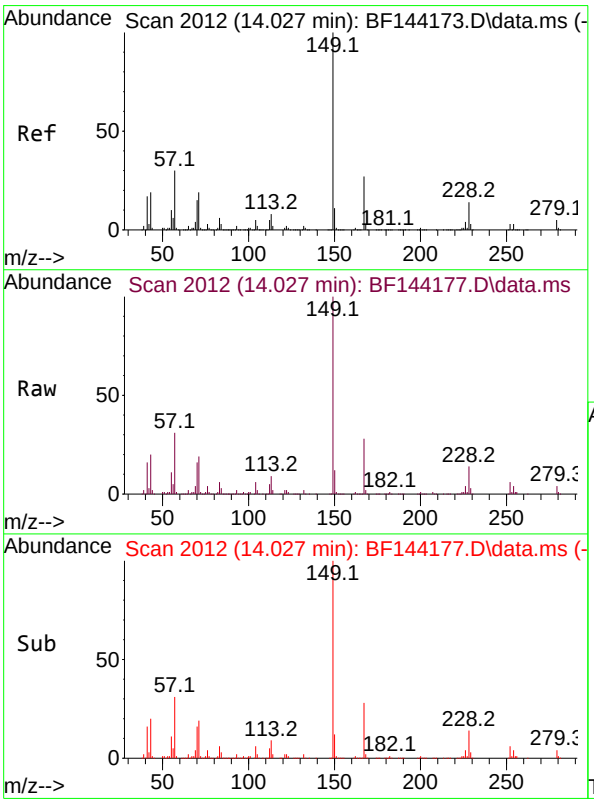
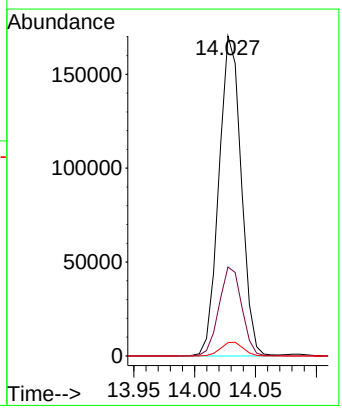
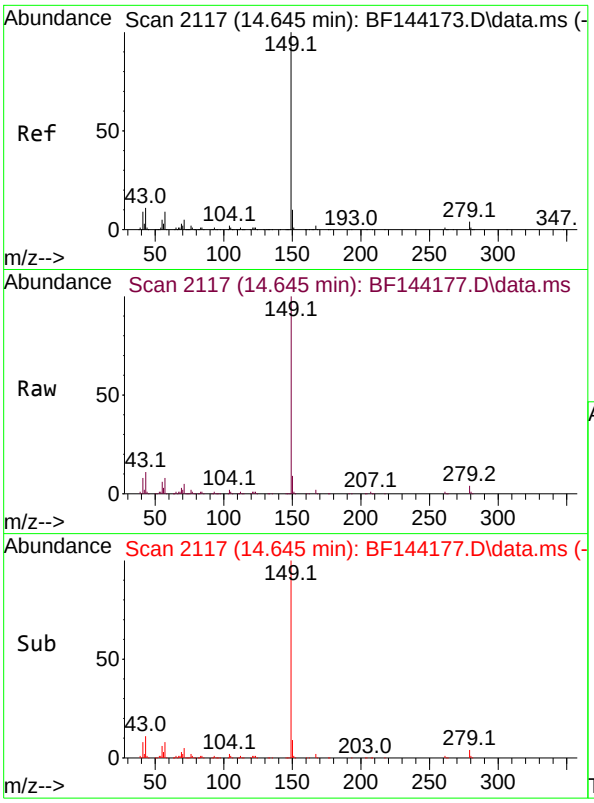


#84
Bis(2-ethylhexyl)phthalate
Concen: 34.880 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 217122

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.8	32.8
279	4.1	3.7	5.5

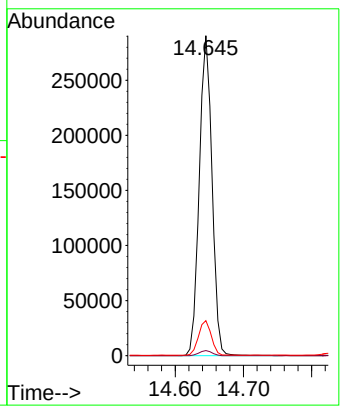




#85
Di-n-octyl phthalate
Concen: 35.142 ng
RT: 14.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:149 Resp: 37742

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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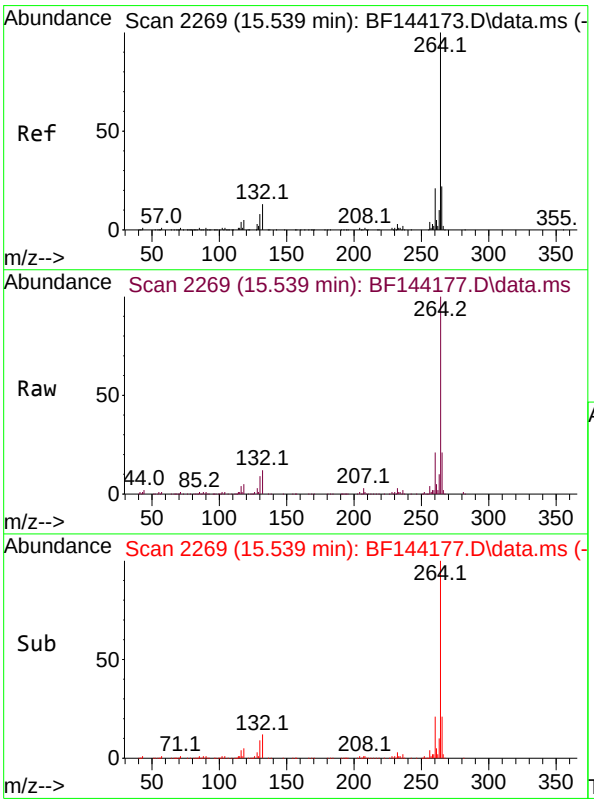
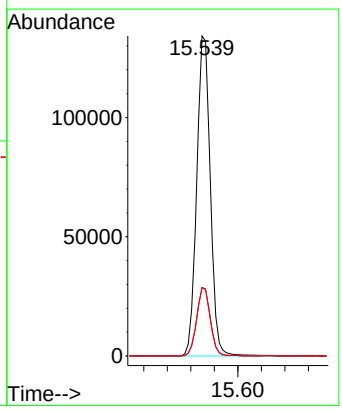
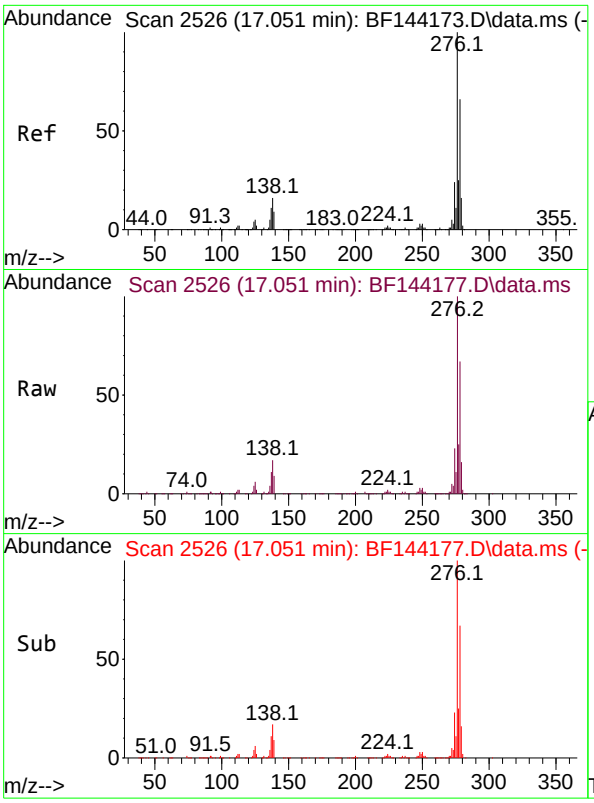


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:264 Resp: 215110

Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.1	25.7
265	21.4	17.4	26.0

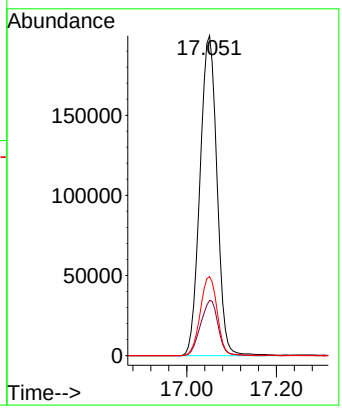




#87
Indeno(1,2,3-cd)pyrene
Concen: 34.019 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:276 Resp: 525298

Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.9	20.9
277	24.6	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

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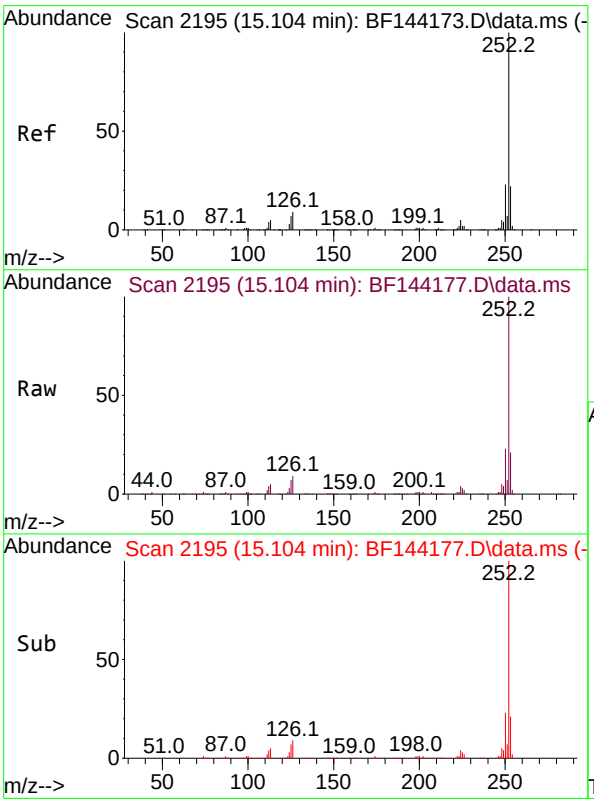
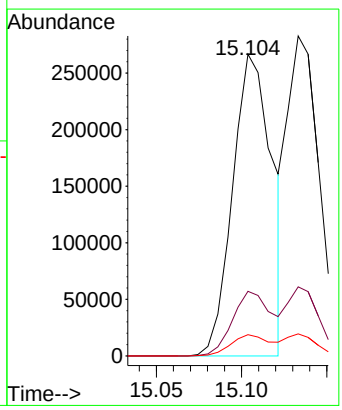
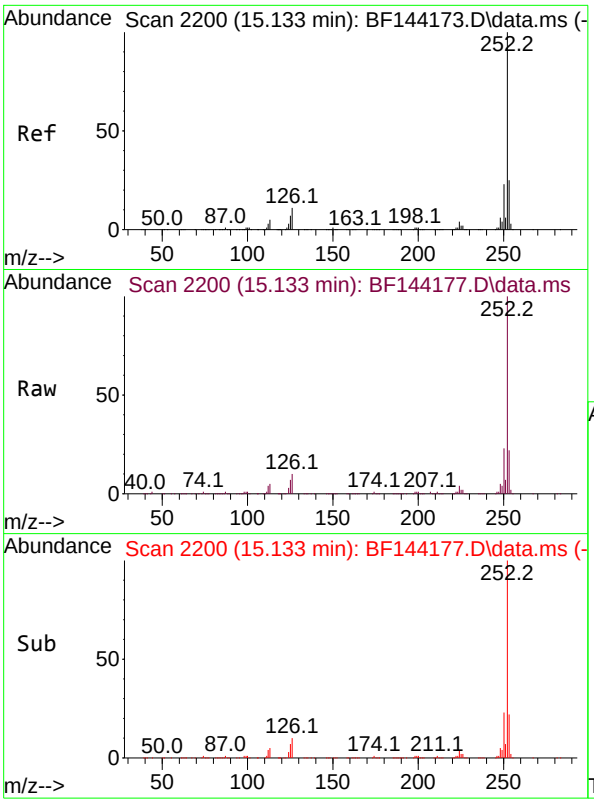


#88
Benzo(b)fluoranthene
Concen: 35.021 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 428292

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	7.0	5.3	7.9

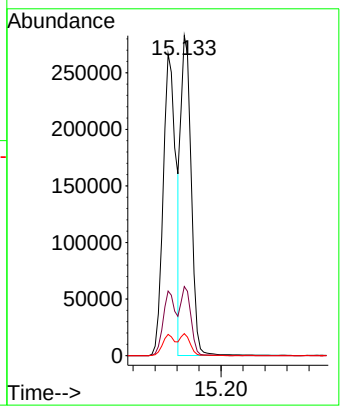




#89
Benzo(k)fluoranthene
Concen: 32.431 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 37123

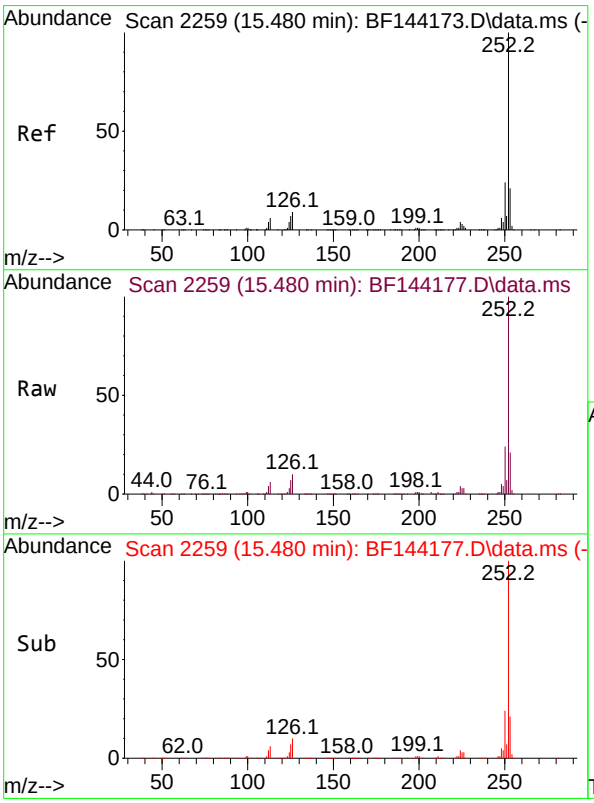
Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations APPROVED

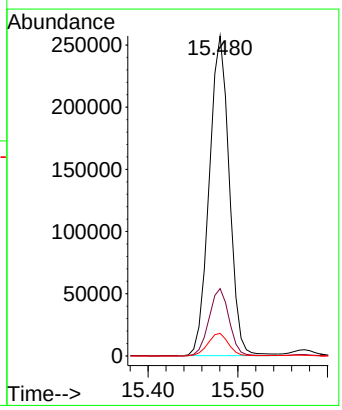
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025

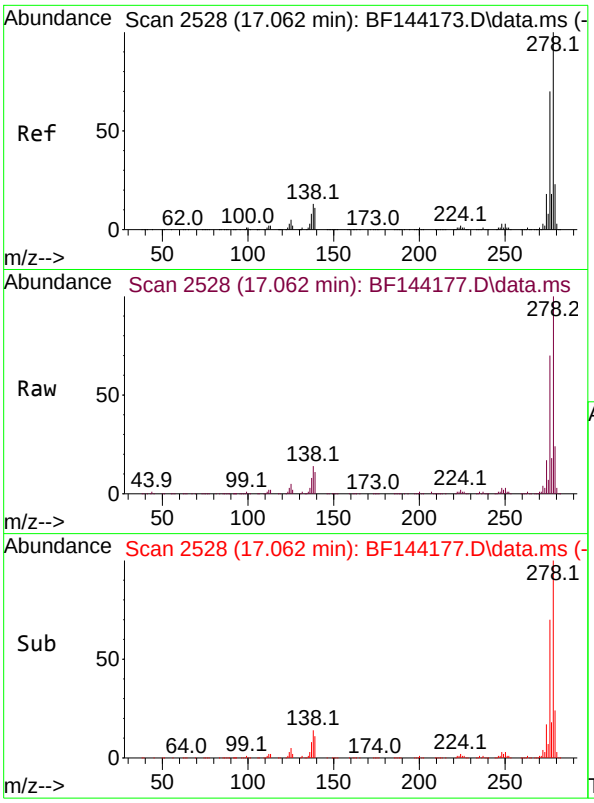


#90
Benzo(a)pyrene
Concen: 35.415 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:252 Resp: 399556

Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.7	25.1
125	7.0	5.7	8.5

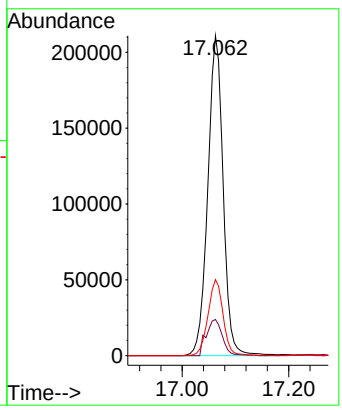




#91
Dibenzo(a,h)anthracene
Concen: 34.126 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:278 Resp: 42319

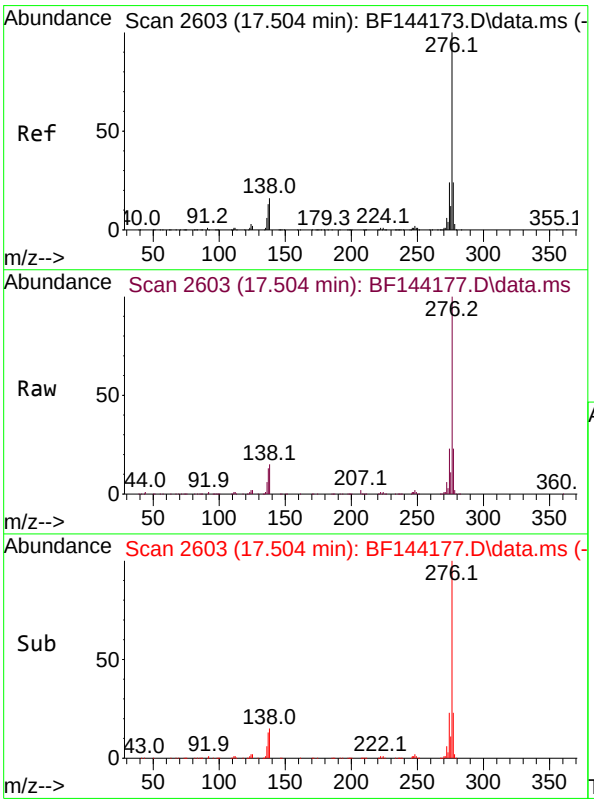
Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.1	13.7
279	23.7	18.2	27.4



Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Manual Integrations
APPROVED

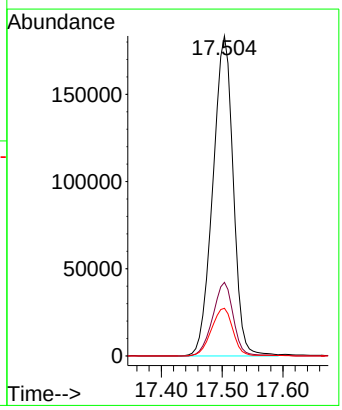
Reviewed By :Rahul Chavli 11/06/2025
Supervised By :Jagrut Upadhyay 11/06/2025



#92
Benzo(g,h,i)perylene
Concen: 34.857 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF144177.D
Acq: 05 Nov 2025 17:21

Tgt Ion:276 Resp: 426866

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	14.9	12.9	19.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 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	99	0.00
2		1,4-Dioxane	0.528	0.462	12.5	83	-0.01
3		Pyridine	1.474	1.199	18.7	78	-0.04
4		n-Nitrosodimethylamine	0.770	0.697	9.5	89	-0.02
5	S	2-Fluorophenol	1.278	1.122	12.2	84	0.00
6		Aniline	2.063	1.917	7.1	92	0.00
7	S	Phenol-d6	1.448	1.258	13.1	85	0.00
8		2-Chlorophenol	1.253	1.100	12.2	85	0.00
9		Benzaldehyde	0.818	0.927	-13.3	112	0.00
10	C	Phenol	1.769	1.573	11.1	84	0.00
11		bis(2-Chloroethyl)ether	1.289	1.133	12.1	85	0.00
12		1,3-Dichlorobenzene	1.547	1.393	10.0	89	0.00
13	C	1,4-Dichlorobenzene	1.549	1.389	10.3	86	0.00
14		1,2-Dichlorobenzene	1.485	1.372	7.6	91	0.00
15		Benzyl Alcohol	1.147	1.020	11.1	87	0.00
16		2,2'-oxybis(1-Chloropropane	2.374	2.098	11.6	86	0.00
17		2-Methylphenol	0.997	0.866	13.1	83	0.00
18		Hexachloroethane	0.515	0.464	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.812	14.8	84	0.00
20		3+4-Methylphenols	1.175	1.053	10.4	86	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.429	0.387	9.8	90	0.00
23	S	Nitrobenzene-d5	0.346	0.297	14.2	83	0.00
24		Nitrobenzene	0.376	0.327	13.0	85	0.00
25		Isophorone	0.655	0.569	13.1	85	0.00
26	C	2-Nitrophenol	0.186	0.170	8.6	87	0.00
27		2,4-Dimethylphenol	0.279	0.274	1.8	93	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.362	11.5	86	0.00
29	C	2,4-Dichlorophenol	0.322	0.274	14.9	83	0.00
30		1,2,4-Trichlorobenzene	0.330	0.294	10.9	88	0.00
31		Naphthalene	0.951	0.829	12.8	86	0.00
32		Benzoic acid	0.204	0.154	24.5	86	-0.04
33		4-Chloroaniline	0.347	0.336	3.2	93	0.00
34	C	Hexachlorobutadiene	0.249	0.215	13.7	83	0.00
35		Caprolactam	0.088	0.074	15.9	80	-0.03
36	C	4-Chloro-3-methylphenol	0.288	0.247	14.2	84	0.00
37		2-Methylnaphthalene	0.636	0.509	20.0	79	0.00
38		1-Methylnaphthalene	0.614	0.514	16.3	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.655	0.603	7.9	86	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.243	-24.6	118	0.00
42	S	2,4,6-Tribromophenol	0.251	0.213	15.1	78	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.394	11.7	84	0.00
44		2,4,5-Trichlorophenol	0.481	0.423	12.1	84	0.00
45	S	2-Fluorobiphenyl	1.354	1.180	12.9	85	0.00
46		1,1'-Biphenyl	1.396	1.275	8.7	87	0.00
47		2-Chloronaphthalene	1.191	1.045	12.3	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 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	0.344	0.306	11.0	82	0.00
49		Acenaphthylene	1.623	1.615	0.5	95	0.00
50		Dimethylphthalate	1.325	1.162	12.3	83	0.00
51		2,6-Dinitrotoluene	0.268	0.246	8.2	86	0.00
52	C	Acenaphthene	1.085	0.914	15.8	81	0.00
53		3-Nitroaniline	0.293	0.259	11.6	80	0.00
54	P	2,4-Dinitrophenol	0.162	0.116	28.4#	80	0.00
55		Dibenzofuran	1.520	1.353	11.0	84	0.00
56	P	4-Nitrophenol	0.212	0.164	22.6	78	0.00
57		2,4-Dinitrotoluene	0.359	0.323	10.0	81	0.00
58		Fluorene	1.156	1.037	10.3	85	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.318	6.5	86	0.00
60		Diethylphthalate	1.221	1.058	13.3	82	0.00
61		4-Chlorophenyl-phenylether	0.658	0.576	12.5	81	0.00
62		4-Nitroaniline	0.279	0.246	11.8	83	0.00
63		Azobenzene	1.137	1.022	10.1	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	0.136	0.106	22.1	78	0.00
66	c	n-Nitrosodiphenylamine	0.643	0.584	9.2	86	0.00
67		4-Bromophenyl-phenylether	0.255	0.218	14.5	79	0.00
68		Hexachlorobenzene	0.301	0.262	13.0	83	0.00
69		Atrazine	0.205	0.188	8.3	87	0.00
70	C	Pentachlorophenol	0.150	0.122	18.7	75	0.00
71		Phenanthrene	0.996	0.873	12.3	82	0.00
72		Anthracene	1.013	0.893	11.8	83	0.00
73		Carbazole	0.861	0.737	14.4	80	0.00
74		Di-n-butylphthalate	1.041	0.899	13.6	80	0.00
75	C	Fluoranthene	1.029	0.883	14.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.592	0.668	-12.8	107	0.00
78		Pyrene	1.613	1.331	17.5	78	0.00
79	S	Terphenyl-d14	1.259	1.060	15.8	81	0.00
80		Butylbenzylphthalate	0.559	0.484	13.4	82	0.00
81		Benzo(a)anthracene	1.386	1.161	16.2	81	0.00
82		3,3'-Dichlorobenzidine	0.475	0.471	0.8	98	0.00
83		Chrysene	1.280	1.106	13.6	79	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.667	12.8	82	0.00
85	c	Di-n-octyl phthalate	1.320	1.160	12.1	82	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.436	1.221	15.0	85	0.02
88		Benzo(b)fluoranthene	1.137	0.996	12.4	83	0.00
89		Benzo(k)fluoranthene	1.064	0.863	18.9	85	0.00
90	C	Benzo(a)pyrene	1.049	0.929	11.4	89	0.00
91		Dibenzo(a,h)anthracene	1.153	0.984	14.7	85	0.01
92		Benzo(g,h,i)perylene	1.139	0.992	12.9	86	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 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\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2		1,4-Dioxane	40.000	34.992	12.5	83	-0.01
3		Pyridine	40.000	32.541	18.6	78	-0.04
4		n-Nitrosodimethylamine	40.000	36.224	9.4	89	-0.02
5	S	2-Fluorophenol	80.000	70.243	12.2	84	0.00
6		Aniline	40.000	37.159	7.1	92	0.00
7	S	Phenol-d6	80.000	69.484	13.1	85	0.00
8		2-Chlorophenol	40.000	35.096	12.3	85	0.00
9		Benzaldehyde	40.000	45.337	-13.3	112	0.00
10	C	Phenol	40.000	35.563	11.1	84	0.00
11		bis(2-Chloroethyl)ether	40.000	35.167	12.1	85	0.00
12		1,3-Dichlorobenzene	40.000	36.038	9.9	89	0.00
13	C	1,4-Dichlorobenzene	40.000	35.858	10.4	86	0.00
14		1,2-Dichlorobenzene	40.000	36.957	7.6	91	0.00
15		Benzyl Alcohol	40.000	35.593	11.0	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.340	11.6	86	0.00
17		2-Methylphenol	40.000	34.723	13.2	83	0.00
18		Hexachloroethane	40.000	36.050	9.9	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.051	14.9	84	0.00
20		3+4-Methylphenols	40.000	35.839	10.4	86	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	36.061	9.8	90	0.00
23	S	Nitrobenzene-d5	80.000	68.601	14.2	83	0.00
24		Nitrobenzene	40.000	34.763	13.1	85	0.00
25		Isophorone	40.000	34.755	13.1	85	0.00
26	C	2-Nitrophenol	40.000	36.521	8.7	87	0.00
27		2,4-Dimethylphenol	40.000	39.334	1.7	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	35.422	11.4	86	0.00
29	C	2,4-Dichlorophenol	40.000	34.086	14.8	83	0.00
30		1,2,4-Trichlorobenzene	40.000	35.677	10.8	88	0.00
31		Naphthalene	40.000	34.861	12.8	86	0.00
32		Benzoic acid	40.000	30.148	24.6	86	-0.04
33		4-Chloroaniline	40.000	38.685	3.3	93	0.00
34	C	Hexachlorobutadiene	40.000	34.552	13.6	83	0.00
35		Caprolactam	40.000	33.478	16.3	80	-0.03
36	C	4-Chloro-3-methylphenol	40.000	34.336	14.2	84	0.00
37		2-Methylnaphthalene	40.000	31.978	20.1	79	0.00
38		1-Methylnaphthalene	40.000	33.472	16.3	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.811	8.0	86	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.350	-15.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	67.987	15.0	78	0.00
43	C	2,4,6-Trichlorophenol	40.000	35.357	11.6	84	0.00
44		2,4,5-Trichlorophenol	40.000	35.179	12.1	84	0.00
45	S	2-Fluorobiphenyl	80.000	69.741	12.8	85	0.00
46		1,1'-Biphenyl	40.000	36.526	8.7	87	0.00
47		2-Chloronaphthalene	40.000	35.092	12.3	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 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	35.641	10.9	82	0.00
49		Acenaphthylene	40.000	39.818	0.5	95	0.00
50		Dimethylphthalate	40.000	35.076	12.3	83	0.00
51		2,6-Dinitrotoluene	40.000	36.758	8.1	86	0.00
52	C	Acenaphthene	40.000	33.702	15.7	81	0.00
53		3-Nitroaniline	40.000	35.372	11.6	80	0.00
54	P	2,4-Dinitrophenol	40.000	28.732	28.2#	80	0.00
55		Dibenzofuran	40.000	35.602	11.0	84	0.00
56	P	4-Nitrophenol	40.000	30.929	22.7	78	0.00
57		2,4-Dinitrotoluene	40.000	35.994	10.0	81	0.00
58		Fluorene	40.000	35.903	10.2	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.425	6.4	86	0.00
60		Diethylphthalate	40.000	34.646	13.4	82	0.00
61		4-Chlorophenyl-phenylether	40.000	35.002	12.5	81	0.00
62		4-Nitroaniline	40.000	35.278	11.8	83	0.00
63		Azobenzene	40.000	35.958	10.1	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	95	0.00
65		4,6-Dinitro-2-methylphenol	40.000	31.346	21.6	78	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.292	9.3	86	0.00
67		4-Bromophenyl-phenylether	40.000	34.135	14.7	79	0.00
68		Hexachlorobenzene	40.000	34.810	13.0	83	0.00
69		Atrazine	40.000	36.790	8.0	87	0.00
70	C	Pentachlorophenol	40.000	32.706	18.2	75	0.00
71		Phenanthrene	40.000	35.049	12.4	82	0.00
72		Anthracene	40.000	35.286	11.8	83	0.00
73		Carbazole	40.000	34.224	14.4	80	0.00
74		Di-n-butylphthalate	40.000	34.535	13.7	80	0.00
75	C	Fluoranthene	40.000	34.338	14.2	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	45.165	-12.9	107	0.00
78		Pyrene	40.000	33.011	17.5	78	0.00
79	S	Terphenyl-d14	80.000	67.318	15.9	81	0.00
80		Butylbenzylphthalate	40.000	34.633	13.4	82	0.00
81		Benzo(a)anthracene	40.000	33.489	16.3	81	0.00
82		3,3'-Dichlorobenzidine	40.000	39.612	1.0	98	0.00
83		Chrysene	40.000	34.559	13.6	79	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	34.880	12.8	82	0.00
85	c	Di-n-octyl phthalate	40.000	35.142	12.1	82	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	34.019	15.0	85	0.02
88		Benzo(b)fluoranthene	40.000	35.021	12.4	83	0.00
89		Benzo(k)fluoranthene	40.000	32.431	18.9	85	0.00
90	C	Benzo(a)pyrene	40.000	35.415	11.5	89	0.00
91		Dibenzo(a,h)anthracene	40.000	34.126	14.7	85	0.01
92		Benzo(g,h,i)perylene	40.000	34.857	12.9	86	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144177.D
Acq On : 05 Nov 2025 17:21
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110525

Quant Time: Nov 05 17:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 17:20:41 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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date(s): 11/12/2025 11/12/2025

Calibration Time(s): 11:17 16:04

LAB FILE ID: RRF2.5 = BG064745.D RRF005 = BG064746.D RRF010 = BG064747.D
RRF020 = BG064748.D RRF040 = BG064749.D RRF050 = BG064750.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.145	2.9
Benzaldehyde			1.027	0.980	1.029	0.949	0.997	3.0
Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.523	5.0
Phenol		1.501	1.584	1.666	1.711	1.774	1.657	5.4
bis(2-Chloroethyl)ether		1.093	1.141	1.224	1.234	1.224	1.179	4.4
2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.258	3.4
2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.173	4.6
2,2-oxybis(1-Chloropropane)		2.713	2.796	2.959	2.834	2.861	2.792	3.6
Acetophenone		0.465	0.536	0.581	0.561	0.555	0.545	7.0
3+4-Methylphenols			1.480	1.628	1.649	1.670	1.607	4.1
n-Nitroso-di-n-propylamine	0.924	0.875	1.015	1.116	1.097	1.138	1.030	8.9
Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.405	5.5
Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.558	2.8
Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.409	6.6
Isophorone		0.723	0.760	0.796	0.767	0.785	0.770	3.1
2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.184	13.1
2,4-Dimethylphenol		0.309	0.301	0.336	0.331	0.334	0.327	4.6
bis(2-Chloroethoxy)methane		0.383	0.419	0.444	0.425	0.432	0.423	4.6
2,4-Dichlorophenol		0.283	0.331	0.367	0.364	0.371	0.351	9.4
Naphthalene		1.076	1.163	1.170	1.141	1.123	1.134	2.8
4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.454	9.6
Hexachlorobutadiene		0.365	0.353	0.370	0.366	0.358	0.363	2.1
Caprolactam			0.090	0.104	0.103	0.114	0.105	8.0
4-Chloro-3-methylphenol		0.348	0.388	0.399	0.390	0.402	0.390	5.1
2-Methylnaphthalene		0.820	0.842	0.902	0.844	0.850	0.848	3.0
Hexachlorocyclopentadiene			0.478	0.547	0.560	0.557	0.558	8.3
2,4,6-Trichlorophenol		0.386	0.432	0.472	0.465	0.474	0.457	7.9
2-Fluorobiphenyl		1.403	1.445	1.509	1.420	1.400	1.433	2.6
2,4,5-Trichlorophenol		0.467	0.460	0.546	0.521	0.520	0.512	6.8
1,1-Biphenyl		1.416	1.417	1.498	1.428	1.405	1.436	2.2
2-Chloronaphthalene		1.124	1.112	1.167	1.120	1.116	1.132	1.7
2-Nitroaniline		0.291	0.345	0.373	0.371	0.383	0.364	9.9
Dimethylphthalate		1.535	1.569	1.654	1.549	1.580	1.580	2.4
Acenaphthylene		1.839	1.928	1.996	1.930	1.932	1.933	2.5

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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date(s): 11/12/2025 11/12/2025

Calibration Time(s): 11:17 16:04

LAB FILE ID: RRF2.5 = BG064745.D RRF005 = BG064746.D RRF010 = BG064747.D
RRF020 = BG064748.D RRF040 = BG064749.D RRF050 = BG064750.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.265	0.281	0.313	0.305	0.317	0.304	7.4
3-Nitroaniline		0.247	0.277	0.301	0.306	0.320	0.300	9.6
Acenaphthene		1.072	1.104	1.169	1.166	1.177	1.159	4.6
2,4-Dinitrophenol			0.060	0.114	0.169	0.189	0.158	38.0
4-Nitrophenol			0.181	0.224	0.241	0.257	0.238	13.2
Dibenzofuran		1.897	1.991	1.994	1.867	1.892	1.916	2.7
2,4-Dinitrotoluene		0.376	0.426	0.477	0.462	0.472	0.456	9.1
Diethylphthalate		1.443	1.521	1.585	1.492	1.532	1.513	2.8
4-Chlorophenyl-phenylether		0.892	0.927	0.940	0.880	0.882	0.902	2.5
Fluorene		1.481	1.569	1.595	1.471	1.462	1.503	3.6
4-Nitroaniline		0.245	0.288	0.318	0.320	0.335	0.311	10.7
4,6-Dinitro-2-methylphenol			0.073	0.099	0.117	0.121	0.111	19.4
n-Nitrosodiphenylamine		0.483	0.531	0.544	0.538	0.519	0.524	3.8
2,4,6-Tribromophenol		0.346	0.384	0.410	0.386	0.398	0.390	5.5
4-Bromophenyl-phenylether		0.241	0.263	0.269	0.269	0.259	0.263	3.9
Hexachlorobenzene		0.312	0.312	0.326	0.320	0.318	0.318	1.7
Atrazine		0.245	0.251	0.257	0.253	0.254	0.253	1.5
Pentachlorophenol			0.088	0.138	0.160	0.177	0.157	24.9
Phenanthrene		1.075	1.118	1.123	1.099	1.081	1.094	1.8
Anthracene		1.098	1.122	1.152	1.113	1.099	1.116	1.6
Carbazole		0.926	0.987	0.982	0.971	0.944	0.959	2.3
Di-n-butylphthalate		0.998	1.107	1.105	1.077	1.076	1.070	3.4
Fluoranthene		1.508	1.558	1.531	1.494	1.461	1.496	2.6
Pyrene		1.076	1.089	1.145	1.111	1.164	1.121	2.8
Terphenyl-d14		1.018	1.028	1.060	1.012	1.040	1.017	3.0
Butylbenzylphthalate		0.377	0.391	0.402	0.391	0.404	0.394	2.4
3,3-Dichlorobenzidine			0.501	0.518	0.517	0.507	0.501	3.3
Benzo(a)anthracene		1.338	1.371	1.395	1.379	1.357	1.360	1.7
Chrysene		1.266	1.292	1.301	1.309	1.267	1.282	1.4
Bis(2-ethylhexyl)phthalate		0.582	0.581	0.598	0.583	0.571	0.576	2.5
Di-n-octyl phthalate			0.993	1.026	1.038	0.983	0.996	3.0
Benzo(b)fluoranthene		1.190	1.250	1.299	1.291	1.279	1.273	3.2
Benzo(k)fluoranthene		1.245	1.296	1.321	1.249	1.279	1.279	2.3
Benzo(a)pyrene		1.131	1.176	1.197	1.191	1.182	1.181	2.0
Indeno(1,2,3-cd)pyrene		1.262	1.324	1.388	1.399	1.404	1.374	4.4

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date(s): 11/12/2025 11/12/2025

Calibration Time(s): 11:17 16:04

LAB FILE ID: RRF2.5 = BG064745.D RRF005 = BG064746.D RRF010 = BG064747.D
RRF020 = BG064748.D RRF040 = BG064749.D RRF050 = BG064750.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.026	1.092	1.128	1.151	1.155	1.126	4.6
Benzo(g,h,i)perylene		1.000	1.044	1.091	1.105	1.108	1.083	4.2
1,2,4,5-Tetrachlorobenzene		0.756	0.746	0.811	0.782	0.759	0.778	3.2
1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.443	3.9
2,3,4,6-Tetrachlorophenol		0.418	0.480	0.521	0.501	0.536	0.506	8.9

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064745.D 5 =BG064746.D 10 =BG064747.D 20 =BG064748.D 40 =BG064749.D 50 =BG064750.D 60 =BG064751.D 80 =BG0647
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.420	0.422	0.443	3.90
3)		Pyridine		1.269	1.297	1.315	1.365	1.355	1.344	1.303	1.321	2.62
4)		n-Nitrosodimet...			0.657	0.664	0.687	0.690	0.672	0.665	0.672	1.95
5)	S	2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.151	1.140	1.145	2.85
6)		Aniline		1.783	2.001	2.105	2.109	2.125	2.034	2.057	2.030	5.82
7)	S	Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.535	1.540	1.523	4.95
8)		2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.225	1.261	1.258	3.36
9)		Benzaldehyde			1.027	0.980	1.029	0.949	1.004	0.994	0.997	3.01
10)	C	Phenol		1.501	1.584	1.666	1.711	1.774	1.669	1.698	1.657	5.40
11)		bis(2-Chloroet...		1.093	1.141	1.224	1.234	1.224	1.164	1.176	1.179	4.39
12)		1,3-Dichlorobe...		1.410	1.423	1.487	1.492	1.467	1.412	1.440	1.447	2.38
13)	C	1,4-Dichlorobe...		1.434	1.461	1.529	1.501	1.485	1.448	1.456	1.474	2.26
14)		1,2-Dichlorobe...		1.416	1.371	1.444	1.475	1.447	1.429	1.419	1.429	2.27
15)		Benzyl Alcohol			1.055	1.229	1.305	1.338	1.276	1.300	1.250	8.18
16)		2,2'-oxybis(1-...		2.713	2.796	2.959	2.834	2.861	2.687	2.692	2.792	3.63
17)		2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.156	1.185	1.173	4.61
18)		Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.541	0.548	0.558	2.76
19)	P	n-Nitroso-di-n...	0.924	0.875	1.015	1.116	1.097	1.138	1.036	1.039	1.030	8.93
20)		3+4-Methylphenols			1.480	1.628	1.649	1.670	1.602	1.610	1.607	4.14
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.465	0.536	0.581	0.561	0.555	0.547	0.571	0.545	7.02
23)	S	Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.411	0.433	0.405	5.47
24)		Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.415	0.432	0.409	6.62
25)		Isophorone		0.723	0.760	0.796	0.767	0.785	0.777	0.784	0.770	3.13
26)	C	2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.197	0.206	0.184	13.12
27)		2,4-Dimethylph...		0.309	0.301	0.336	0.331	0.334	0.336	0.338	0.327	4.55
28)		bis(2-Chloroet...		0.383	0.419	0.444	0.425	0.432	0.423	0.435	0.423	4.63
29)	C	2,4-Dichloroph...		0.283	0.331	0.367	0.364	0.371	0.365	0.373	0.351	9.39
30)		1,2,4-Trichlor...		0.408	0.417	0.443	0.424	0.418	0.419	0.435	0.423	2.83
31)		Naphthalene		1.076	1.163	1.170	1.141	1.123	1.120	1.145	1.134	2.79
32)		Benzoic acid			0.135	0.166	0.204	0.221	0.255	0.248	0.205	22.85
33)		4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.466	0.479	0.454	9.61
34)	C	Hexachlorobuta...		0.365	0.353	0.370	0.366	0.358	0.357	0.374	0.363	2.14
35)		Caprolactam			0.090	0.104	0.103	0.114	0.107	0.111	0.105	8.03
36)	C	4-Chloro-3-met...		0.348	0.388	0.399	0.390	0.402	0.402	0.404	0.390	5.07
37)		2-Methylnaphth...		0.820	0.842	0.902	0.844	0.850	0.835	0.846	0.848	3.03
38)		1-Methylnaphth...		0.844	0.841	0.880	0.834	0.835	0.820	0.845	0.843	2.20

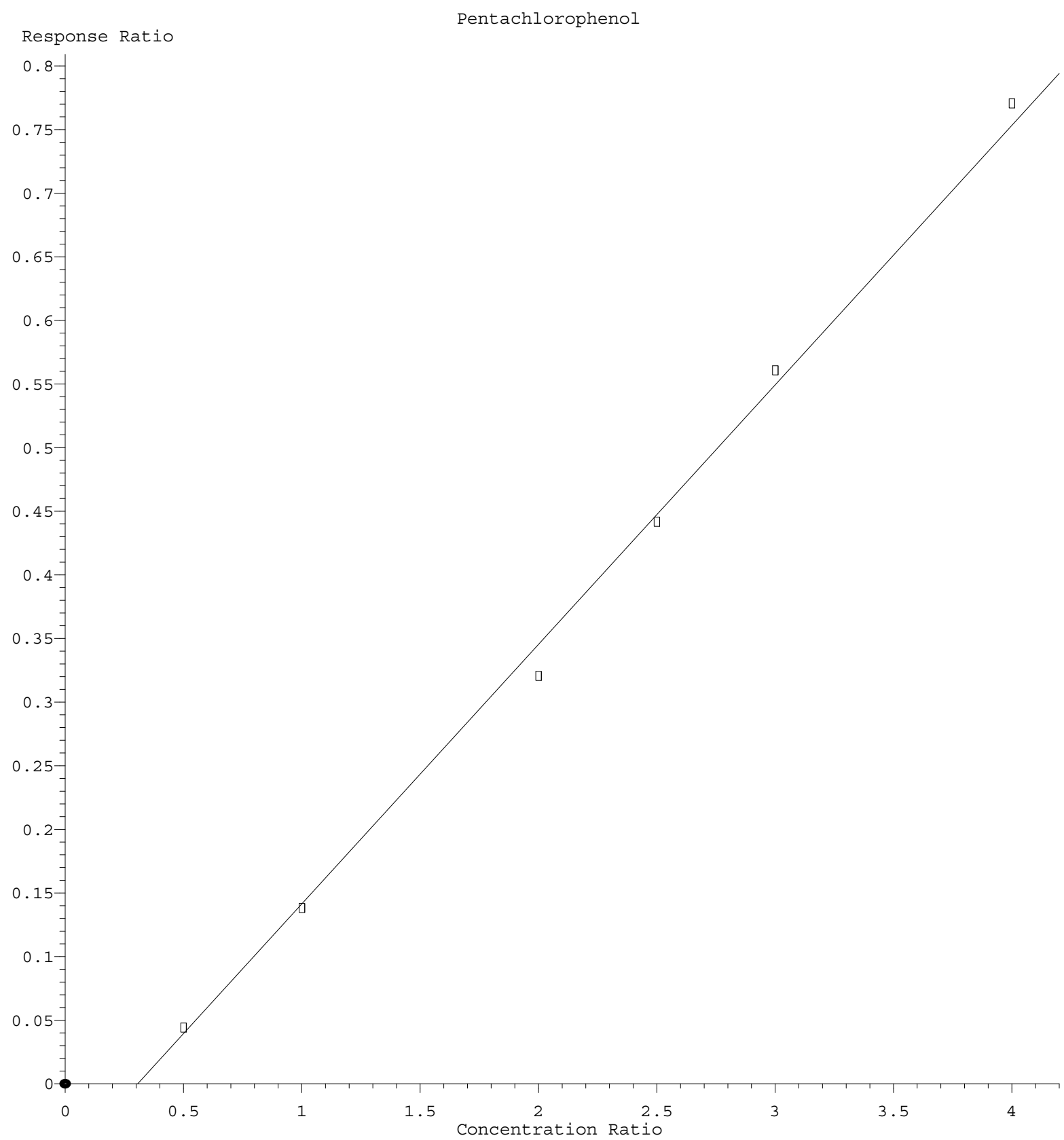
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.756	0.746	0.811	0.782	0.759	0.789	0.806	0.778	3.25
41)	P	Hexachlorocycl...		0.478	0.547	0.560	0.557	0.592	0.612	0.558	8.28
42)	S	2,4,6-Tribromo...	0.346	0.384	0.410	0.386	0.398	0.403	0.404	0.390	5.53
43)	C	2,4,6-Trichlor...	0.386	0.432	0.472	0.465	0.474	0.481	0.487	0.457	7.90
44)		2,4,5-Trichlor...	0.467	0.460	0.546	0.521	0.520	0.531	0.543	0.512	6.82
45)	S	2-Fluorobiphenyl	1.403	1.445	1.509	1.420	1.400	1.434	1.422	1.433	2.58
46)		1,1'-Biphenyl	1.416	1.417	1.498	1.428	1.405	1.441	1.449	1.436	2.17
47)		2-Chloronaphth...	1.124	1.112	1.167	1.120	1.116	1.138	1.146	1.132	1.74
48)		2-Nitroaniline	0.291	0.345	0.373	0.371	0.383	0.391	0.394	0.364	9.94
49)		Acenaphthylene	1.839	1.928	1.996	1.930	1.932	1.967	1.942	1.933	2.51
50)		Dimethylphthalate	1.535	1.569	1.654	1.549	1.580	1.592	1.581	1.580	2.42
51)		2,6-Dinitrotol...	0.265	0.281	0.313	0.305	0.317	0.322	0.325	0.304	7.36
52)	C	Acenaphthene	1.072	1.104	1.169	1.166	1.177	1.213	1.212	1.159	4.56
53)		3-Nitroaniline	0.247	0.277	0.301	0.306	0.320	0.326	0.323	0.300	9.57
54)	P	2,4-Dinitrophenol		0.060	0.114	0.169	0.189	0.198	0.221	0.158	38.04
55)		Dibenzofuran	1.897	1.991	1.994	1.867	1.892	1.889	1.885	1.916	2.75
56)	P	4-Nitrophenol		0.181	0.224	0.241	0.257	0.261	0.264	0.238	13.24
57)		2,4-Dinitrotol...	0.376	0.426	0.477	0.462	0.472	0.489	0.489	0.456	9.08
58)		Fluorene	1.481	1.569	1.595	1.471	1.462	1.475	1.469	1.503	3.65
59)		2,3,4,6-Tetrac...	0.418	0.480	0.521	0.501	0.536	0.543	0.539	0.506	8.85
60)		Diethylphthalate	1.443	1.521	1.585	1.492	1.532	1.520	1.501	1.513	2.84
61)		4-Chlorophenyl...	0.892	0.927	0.940	0.880	0.882	0.894	0.899	0.902	2.53
62)		4-Nitroaniline	0.245	0.288	0.318	0.320	0.335	0.335	0.334	0.311	10.71
63)		Azobenzene	1.244	1.292	1.309	1.235	1.250	1.255	1.227	1.259	2.40
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.099	0.117	0.121	0.126	0.131	0.111	19.44
66)	c	n-Nitrosodiphe...	0.483	0.531	0.544	0.538	0.519	0.528	0.524	0.524	3.79
67)		4-Bromophenyl-...	0.241	0.263	0.269	0.269	0.259	0.269	0.267	0.263	3.86
68)		Hexachlorobenzene	0.312	0.312	0.326	0.320	0.318	0.317	0.323	0.318	1.67
69)		Atrazine	0.245	0.251	0.257	0.253	0.254	0.253	0.256	0.253	1.53
70)	C	Pentachlorophenol		0.088	0.138	0.160	0.177	0.187	0.193	0.157	24.85
71)		Phenanthrene	1.075	1.118	1.123	1.099	1.081	1.090	1.074	1.094	1.84
72)		Anthracene	1.098	1.122	1.152	1.113	1.099	1.113	1.114	1.116	1.62
73)		Carbazole	0.926	0.987	0.982	0.971	0.944	0.955	0.950	0.959	2.27
74)		Di-n-butylphth...	0.998	1.107	1.105	1.077	1.076	1.070	1.059	1.070	3.41
75)	C	Fluoranthene	1.508	1.558	1.531	1.494	1.461	1.475	1.448	1.496	2.61
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.674	0.631	0.561	0.618	0.552	0.557	0.599	8.29
78)		Pyrene	1.076	1.089	1.145	1.111	1.164	1.136	1.125	1.121	2.78
79)	S	Terphenyl-d14	1.018	1.028	1.060	1.012	1.040	0.993	0.967	1.017	3.01
80)		Butylbenzylpht...	0.377	0.391	0.402	0.391	0.404	0.397	0.398	0.394	2.37
81)		Benzo(a)anthra...	1.338	1.371	1.395	1.379	1.357	1.334	1.346	1.360	1.66
82)		3,3'-Dichlorob...		0.501	0.518	0.517	0.507	0.479	0.481	0.501	3.35
83)		Chrysene	1.266	1.292	1.301	1.309	1.267	1.275	1.264	1.282	1.44
84)		Bis(2-ethylhex...	0.582	0.581	0.598	0.583	0.571	0.564	0.553	0.576	2.54
85)	c	Di-n-octyl pht...		0.993	1.026	1.038	0.983	0.974	0.962	0.996	2.99

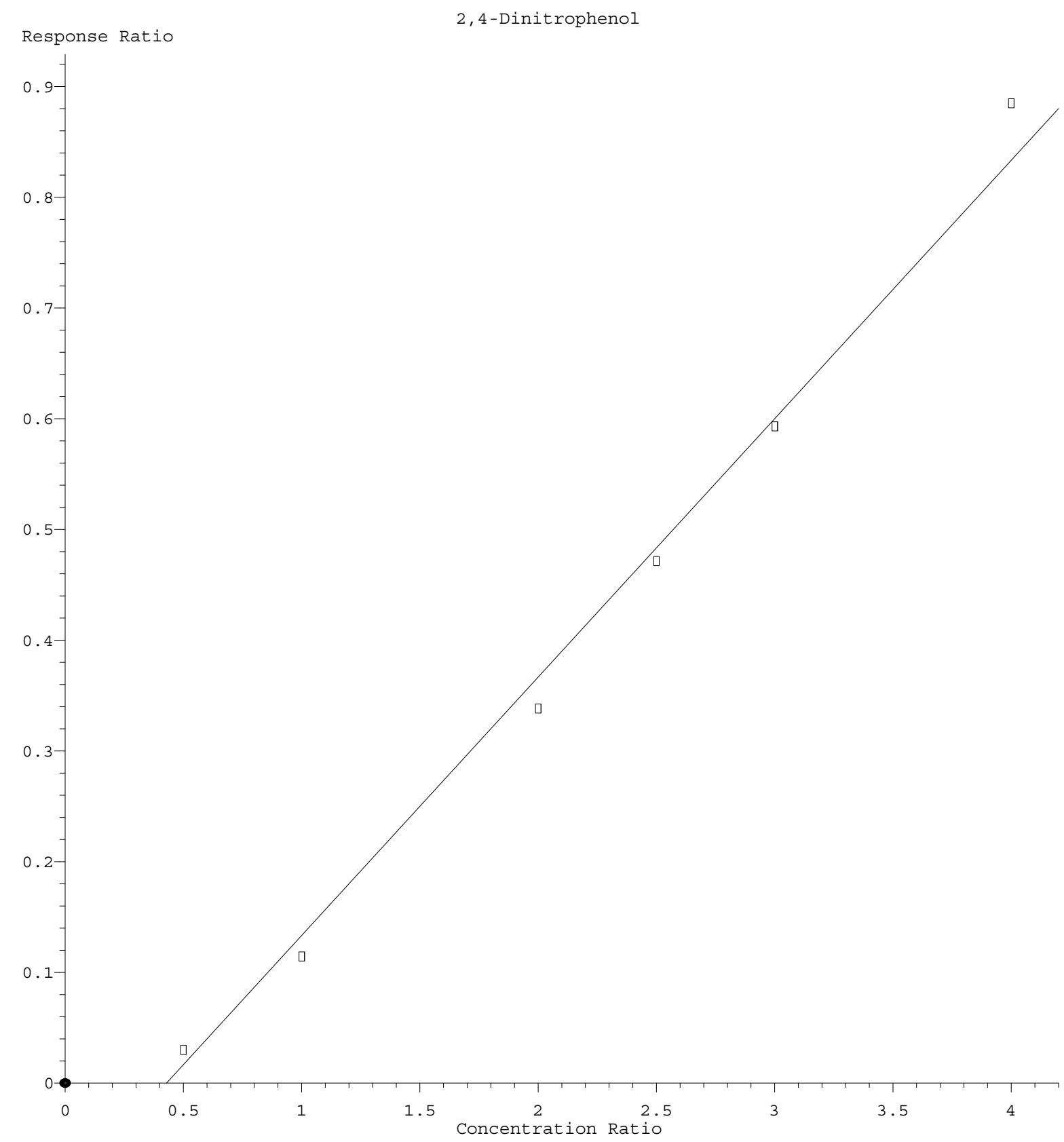
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG111225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.262	1.324	1.388	1.399	1.404	1.404	1.438	1.374	4.38
88)		Benzo(b)fluora...	1.190	1.250	1.299	1.291	1.279	1.304	1.296	1.273	3.21
89)		Benzo(k)fluora...	1.245	1.296	1.321	1.249	1.279	1.256	1.305	1.279	2.32
90)	C	Benzo(a)pyrene	1.131	1.176	1.197	1.191	1.182	1.189	1.199	1.181	1.99
91)		Dibenzo(a,h)an...	1.026	1.092	1.128	1.151	1.155	1.147	1.180	1.126	4.60
92)		Benzo(g,h,i)pe...	1.000	1.044	1.091	1.105	1.108	1.104	1.131	1.083	4.19

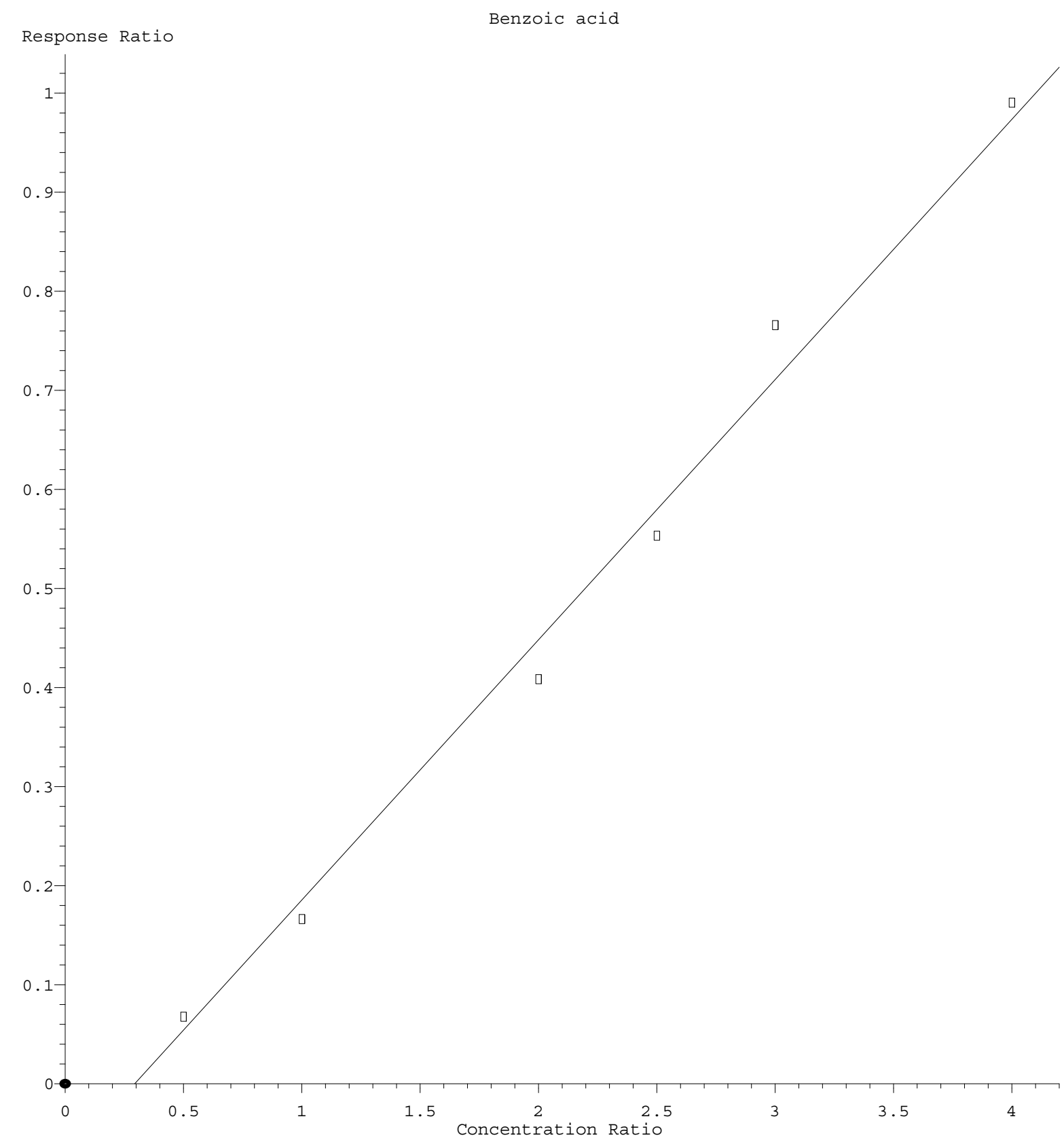
(#) = Out of Range



Response = 2.040e-001 * Amt - 6.265e-002
Coef of Det (r^2) = 0.997613 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111225.M
Calibration Table Last Updated: Wed Nov 12 17:10:56 2025



Response = 2.333e-001 * Amt - 1.001e-001
Coef of Det (r^2) = 0.993193 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111225.M
Calibration Table Last Updated: Wed Nov 12 17:10:56 2025



Response = 2.627e-001 * Amt - 7.726e-002
Coef of Det (r^2) = 0.991680 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG111225.M
Calibration Table Last Updated: Wed Nov 12 17:10:56 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064745.D
Acq On : 12 Nov 2025 11:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 12 16:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	30283	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	120993	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	104200	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	264137	20.000	ng	0.00
76) Chrysene-d12	21.754	240	384466	20.000	ng	0.00
86) Perylene-d12	25.021	264	379930	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...	8.963	70	3497	2.242	ng	# 86

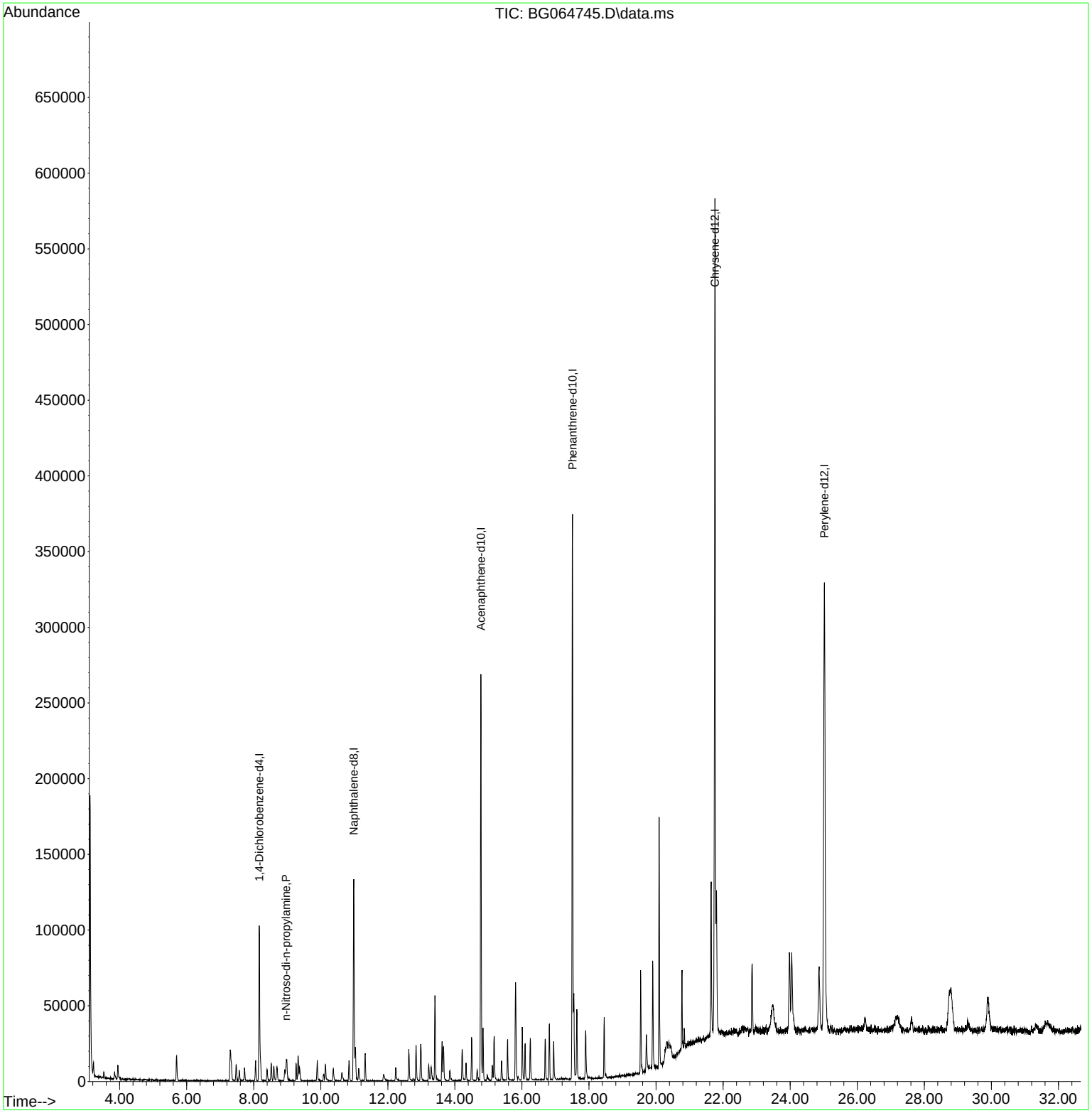
(#) = qualifier out of range (m) = manual integration (+) = signals summed

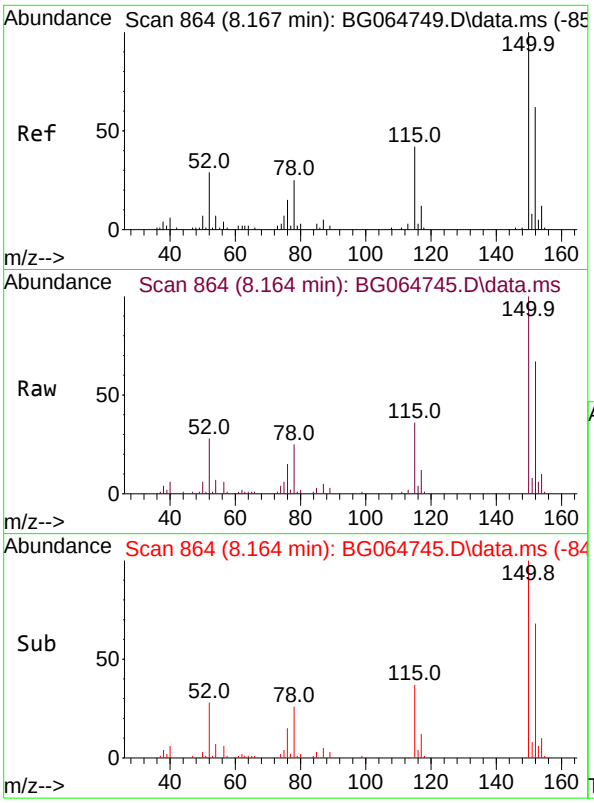
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064745.D
Acq On : 12 Nov 2025 11:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 12 16:53:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration



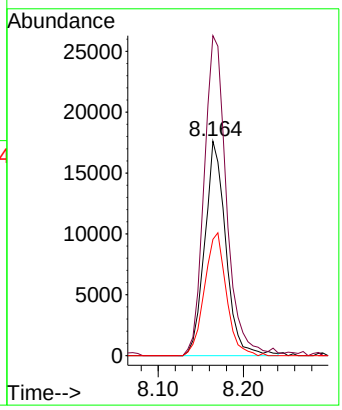


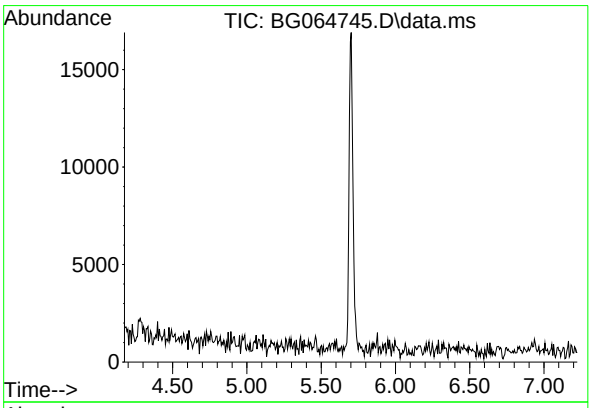
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 30283

Ion	Ratio	Lower	Upper
152	100		
150	149.3	129.2	193.8
115	54.3	53.7	80.5



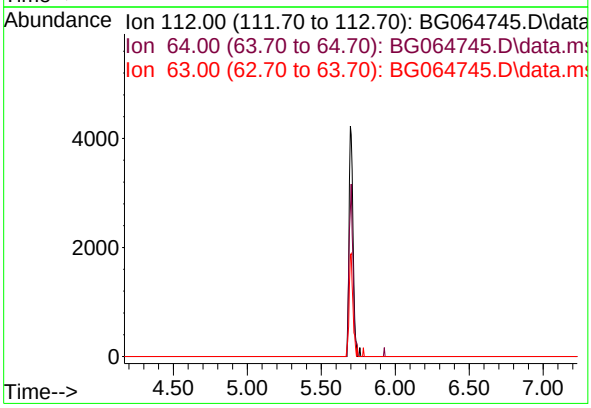


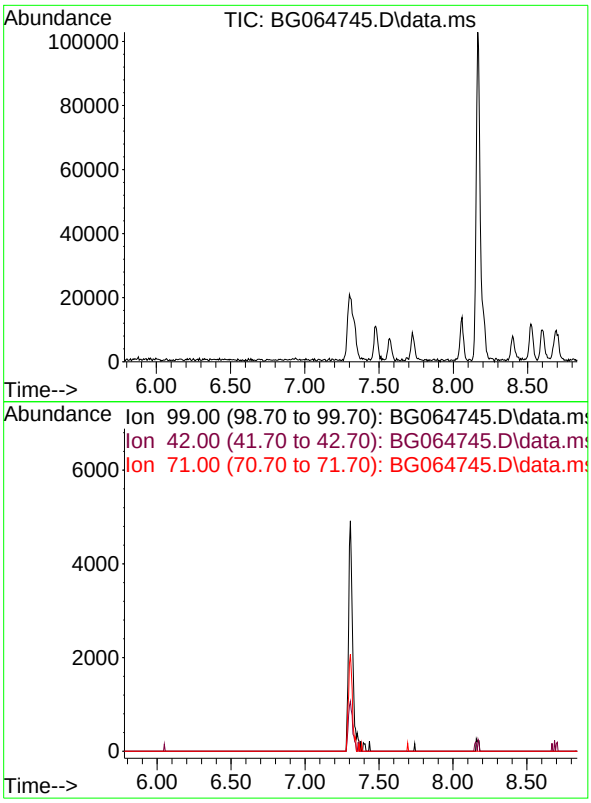
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.70 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	76.2
63	41.6





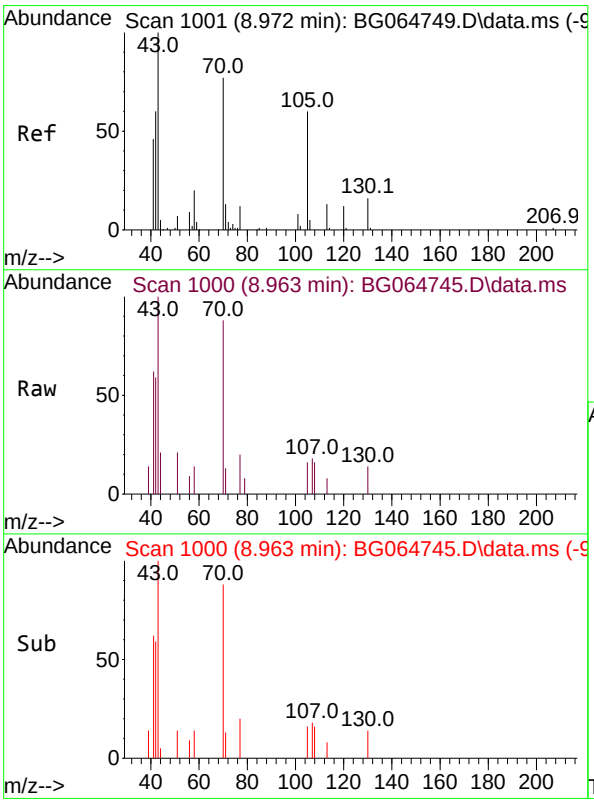
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.31 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

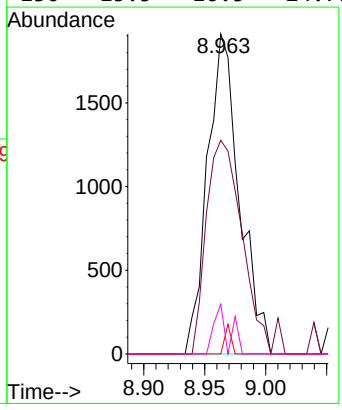
Sig	Exp Ratio
99	100
42	21.0
71	38.9

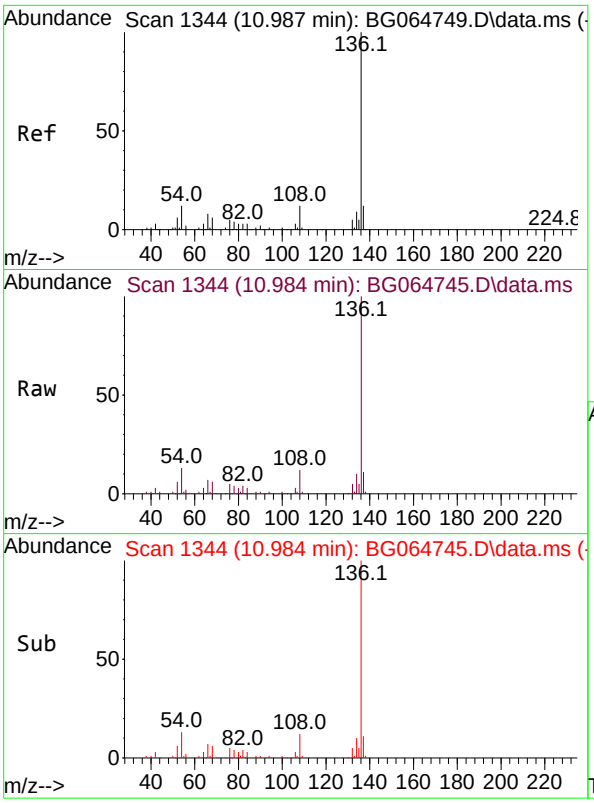


#19
n-Nitroso-di-n-propylamine
Concen: 2.242 ng
RT: 8.963 min Scan# 1000
Delta R.T. -0.009 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 70 Resp: 3497

Ion	Ratio	Lower	Upper
70	100		
42	66.7	62.6	93.8
101	0.0	8.0	12.0#
130	15.5	16.5	24.7#



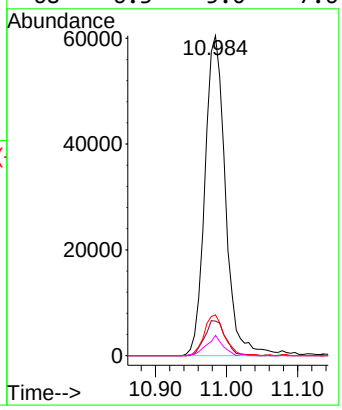


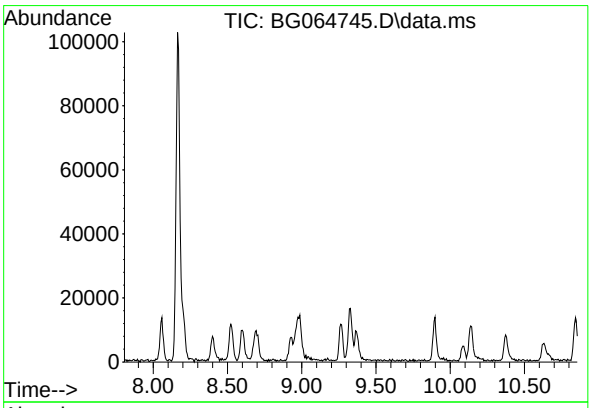
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 120993

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	12.7	9.3	13.9
68	6.3	5.0	7.6



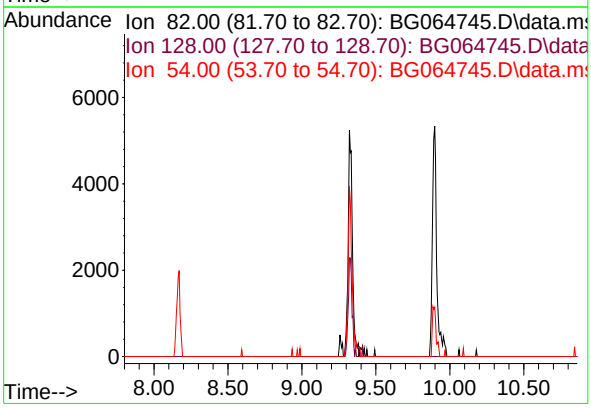


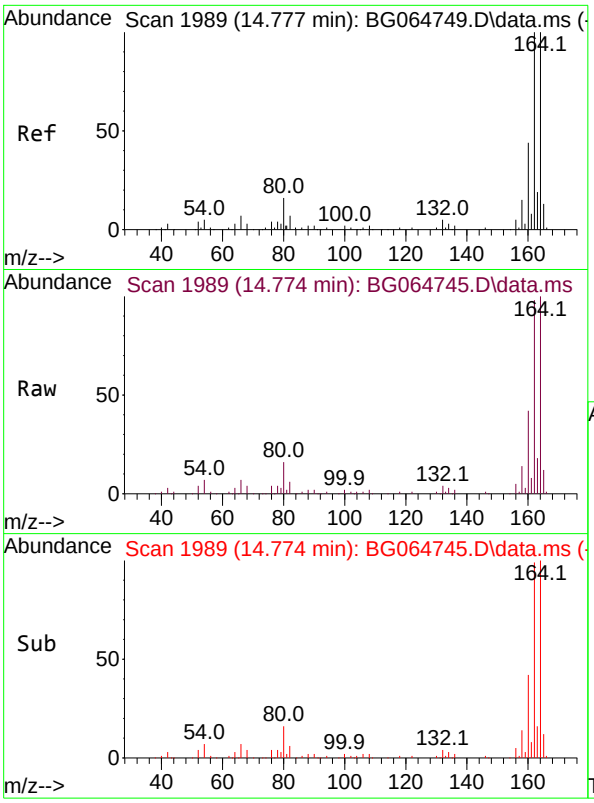
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.33 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.6
54	67.9



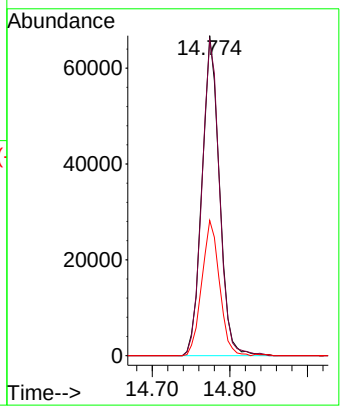


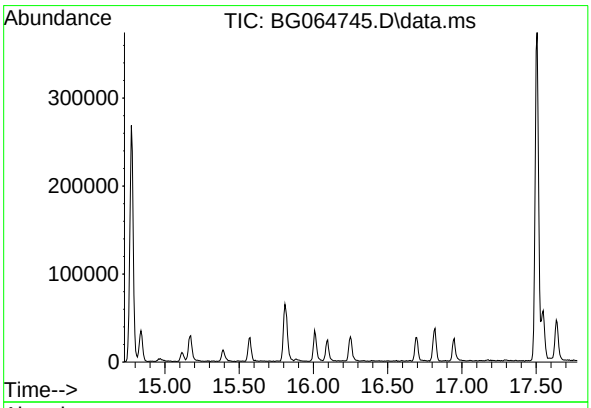
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 104200

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.8	119.6
160	42.2	34.9	52.3



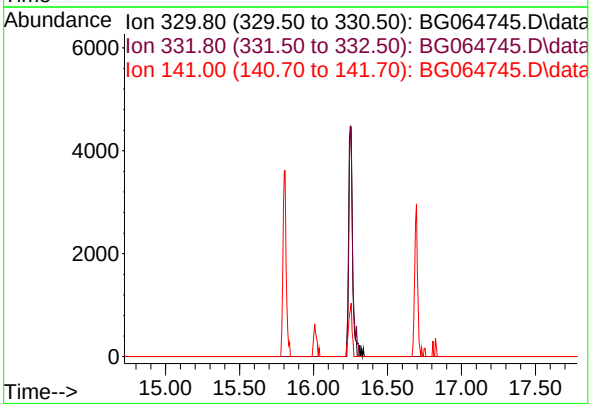


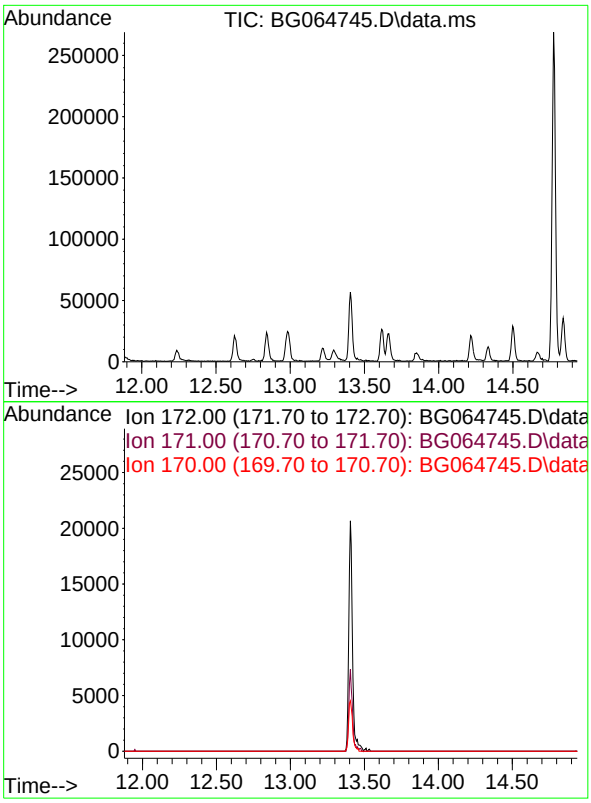
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.25 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	22.7





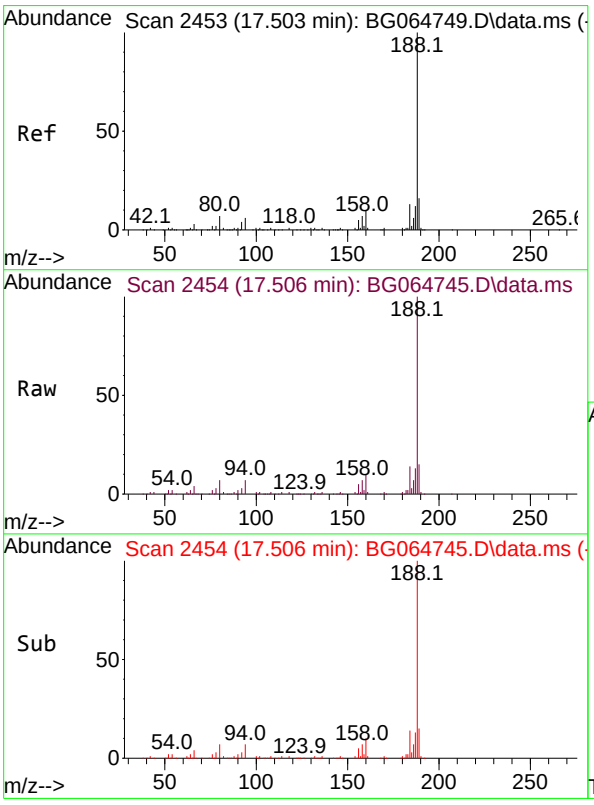
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.41 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

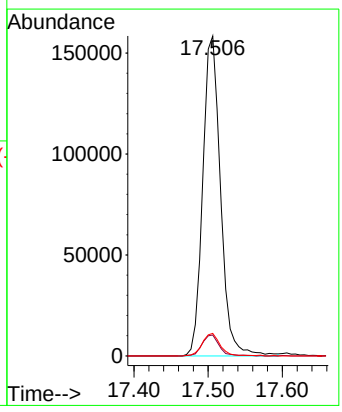
Sig	Exp Ratio
172	100
171	37.4
170	24.7

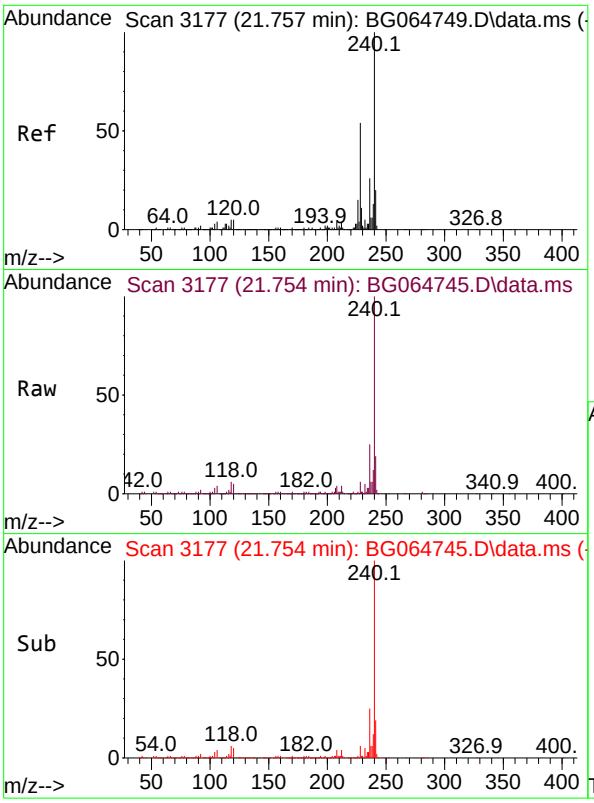


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion:188 Resp: 264137

Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.7	7.1
80	7.0	5.4	8.2



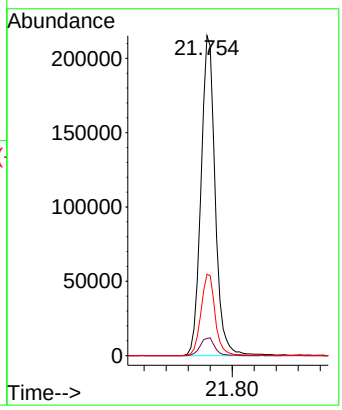


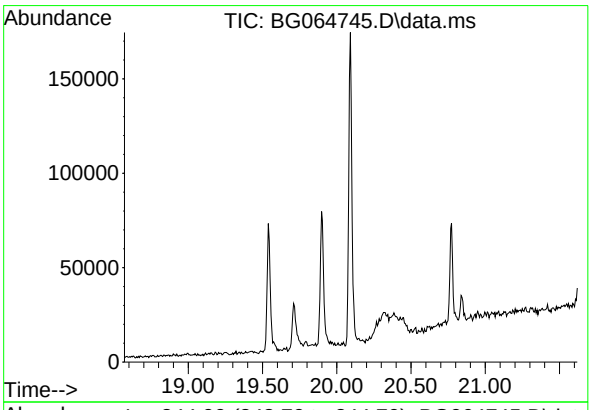
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 384466

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.2	6.4
236	25.4	20.8	31.2



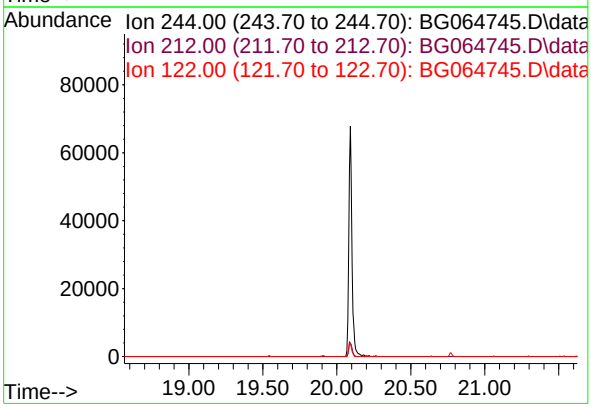


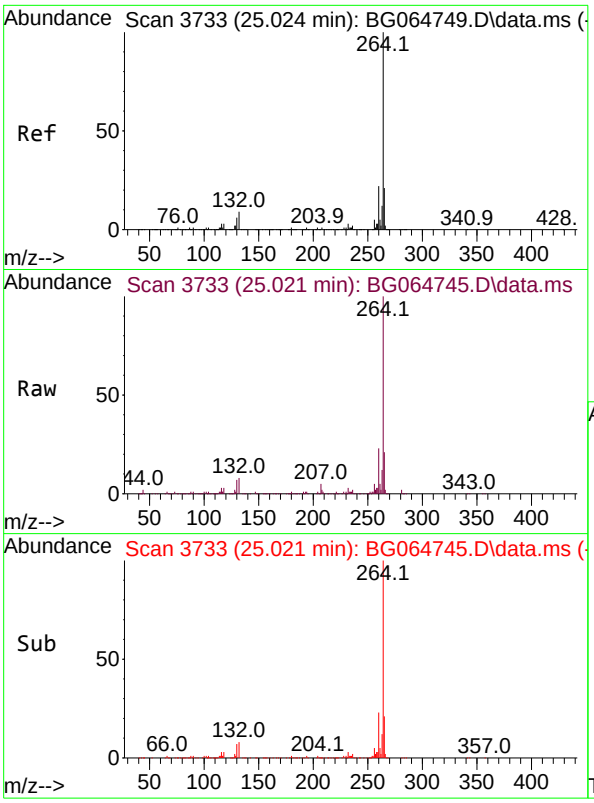
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.09 min

Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	5.4



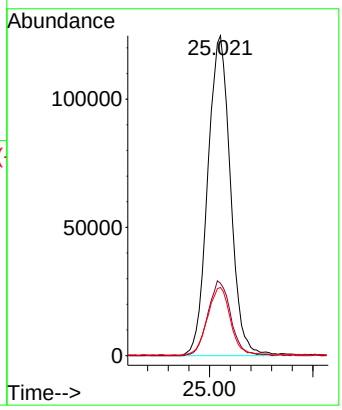


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064745.D
Acq: 12 Nov 2025 11:17

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 379930

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.2	25.8
265	21.3	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.169	152	28610	20.000	ng		0.00
21) Naphthalene-d8	10.984	136	112954	20.000	ng		0.00
39) Acenaphthene-d10	14.779	164	92156	20.000	ng		0.00
64) Phenanthrene-d10	17.505	188	243880	20.000	ng		0.00
76) Chrysene-d12	21.753	240	367769	20.000	ng		0.00
86) Perylene-d12	25.020	264	386937	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	15503	9.462	ng		0.00
7) Phenol-d6	7.306	99	19854	9.111	ng		0.00
23) Nitrobenzene-d5	9.327	82	20950	9.170	ng		0.00
42) 2,4,6-Tribromophenol	16.248	330	15951	8.875	ng		0.00
45) 2-Fluorobiphenyl	13.404	172	64649	9.789	ng		0.00
79) Terphenyl-d14	20.091	244	187118	10.008	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	3153	4.971	ng		88
3) Pyridine	3.951	79	9078	4.803	ng		93
6) Aniline	7.476	93	12750	4.390	ng		96
8) 2-Chlorophenol	7.723	128	8639	4.802	ng		96
10) Phenol	7.335	94	10737	4.529	ng		95
11) bis(2-Chloroethyl)ether	7.570	93	7820	4.635	ng		94
12) 1,3-Dichlorobenzene	8.052	146	10085m	4.872	ng		
13) 1,4-Dichlorobenzene	8.205	146	10257	4.866	ng		93
14) 1,2-Dichlorobenzene	8.522	146	10131	4.957	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.698	45	19405	4.859	ng		95
17) 2-Methylphenol	8.604	107	7665	4.569	ng		86
18) Hexachloroethane	9.262	117	4175	5.229	ng		87
19) n-Nitroso-di-n-propyla...	8.968	70	6258	4.247	ng	#	89
22) Acetophenone	8.992	105	13123	4.264	ng	#	95
24) Nitrobenzene	9.368	77	9979	4.323	ng		95
25) Isophorone	9.897	82	20406	4.691	ng		98
26) 2-Nitrophenol	10.091	139	3766	3.627	ng		92
27) 2,4-Dimethylphenol	10.138	122	8732	4.734	ng	#	88
28) bis(2-Chloroethoxy)met...	10.378	93	10809	4.526	ng		100
29) 2,4-Dichlorophenol	10.631	162	7998	4.039	ng		94
30) 1,2,4-Trichlorobenzene	10.849	180	11516	4.816	ng	#	77
31) Naphthalene	11.037	128	30376	4.744	ng		99
33) 4-Chloroaniline	11.136	127	10074	3.933	ng		95
34) Hexachlorobutadiene	11.324	225	10318	5.029	ng		98
36) 4-Chloro-3-methylphenol	12.235	107	9819	4.455	ng	#	94
37) 2-Methylnaphthalene	12.629	142	23148m	4.831	ng		
38) 1-Methylnaphthalene	12.840	142	23834m	5.007	ng		
40) 1,2,4,5-Tetrachloroben...	12.987	216	17425	4.859	ng		99
43) 2,4,6-Trichlorophenol	13.216	196	8887	4.222	ng		93
44) 2,4,5-Trichlorophenol	13.299	196	10762	4.559	ng		86
46) 1,1'-Biphenyl	13.616	154	32631	4.930	ng		93
47) 2-Chloronaphthalene	13.663	162	25885	4.964	ng		97
48) 2-Nitroaniline	13.851	65	6700	3.995	ng		94
49) Acenaphthylene	14.503	152	42371	4.756	ng		97
50) Dimethylphthalate	14.221	163	35365	4.858	ng		98
51) 2,6-Dinitrotoluene	14.339	165	6116	4.366	ng	#	88

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.838	154	24706	4.625	ng		97
53) 3-Nitroaniline	14.662	138	5697	4.121	ng		88
55) Dibenzofuran	15.173	168	43714	4.950	ng		93
57) 2,4-Dinitrotoluene	15.114	165	8655	4.121	ng	#	94
58) Fluorene	15.813	166	34116	4.926	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.390	232	9634	4.136	ng	#	93
60) Diethylphthalate	15.572	149	33242	4.767	ng		97
61) 4-Chlorophenyl-phenyle...	15.802	204	20557	4.946	ng		96
62) 4-Nitroaniline	15.813	138	5656	3.949	ng		93
63) Azobenzene	16.095	77	28653	4.940	ng		91
66) n-Nitrosodiphenylamine	16.007	169	29441	4.609	ng		90
67) 4-Bromophenyl-phenylether	16.695	248	14722	4.597	ng		88
68) Hexachlorobenzene	16.812	284	19015	4.900	ng	#	94
69) Atrazine	16.947	200	14933	4.849	ng		87
71) Phenanthrene	17.547	178	65553	4.913	ng		97
72) Anthracene	17.635	178	66926	4.919	ng		98
73) Carbazole	17.899	167	56453	4.826	ng		97
74) Di-n-butylphthalate	18.451	149	60823	4.661	ng		99
75) Fluoranthene	19.538	202	91935	5.039	ng		98
78) Pyrene	19.903	202	98904	4.798	ng		98
80) Butylbenzylphthalate	20.772	149	34617	4.775	ng		99
81) Benzo(a)anthracene	21.736	228	123005	4.919	ng		97
83) Chrysene	21.800	228	116400	4.937	ng		98
84) Bis(2-ethylhexyl)phtha...	21.636	149	53498	5.050	ng		100
87) Indeno(1,2,3-cd)pyrene	28.745	276	122095	4.593	ng	#	98
88) Benzo(b)fluoranthene	23.980	252	115075	4.673	ng		98
89) Benzo(k)fluoranthene	24.045	252	120411	4.867	ng		98
90) Benzo(a)pyrene	24.856	252	109366	4.788	ng		99
91) Dibenzo(a,h)anthracene	28.804	278	99211	4.556	ng		99
92) Benzo(g,h,i)perylene	29.897	276	96719	4.615	ng	#	95

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

ICAL Form

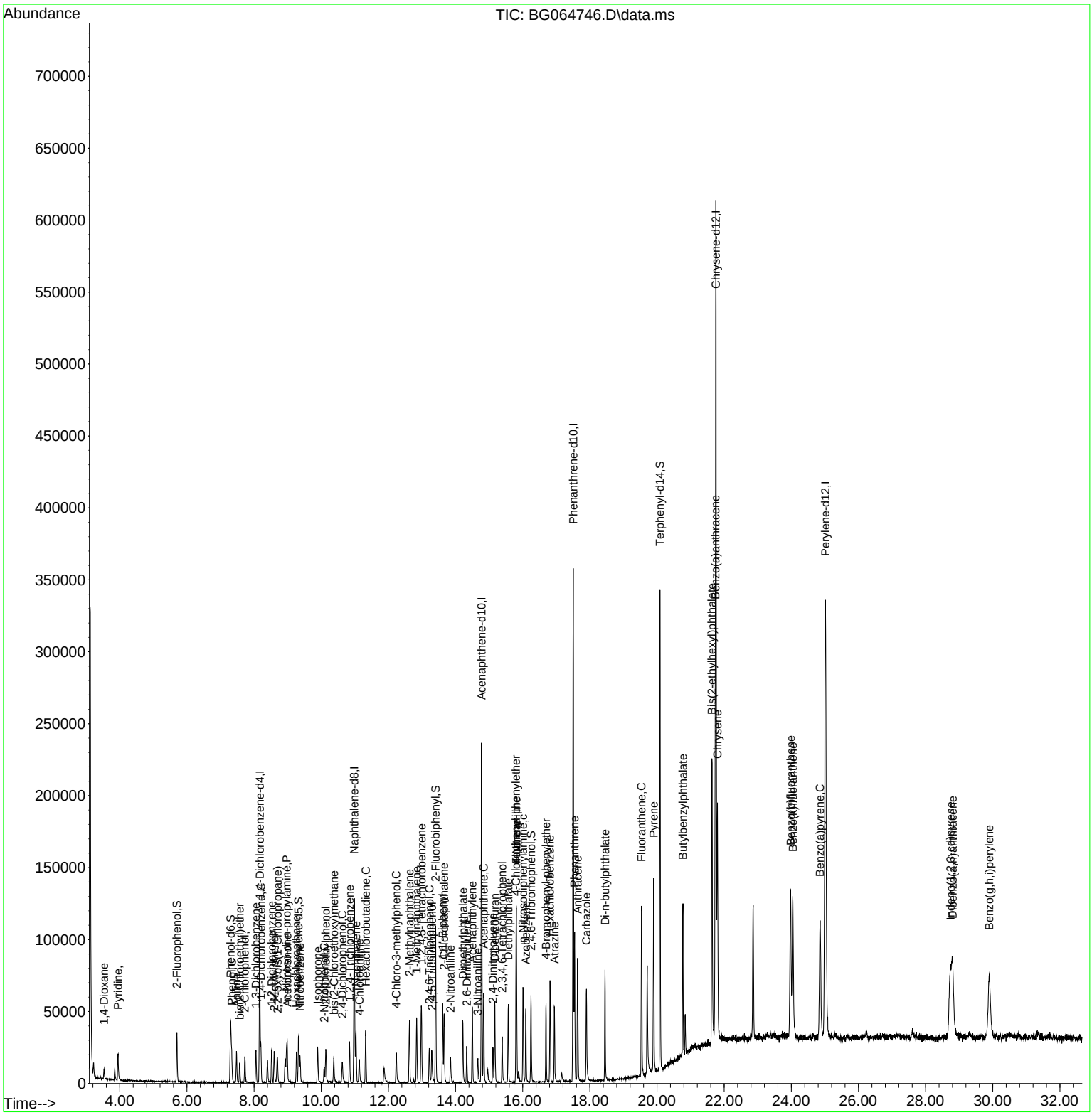
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064746.D
Acq On : 12 Nov 2025 11:58
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

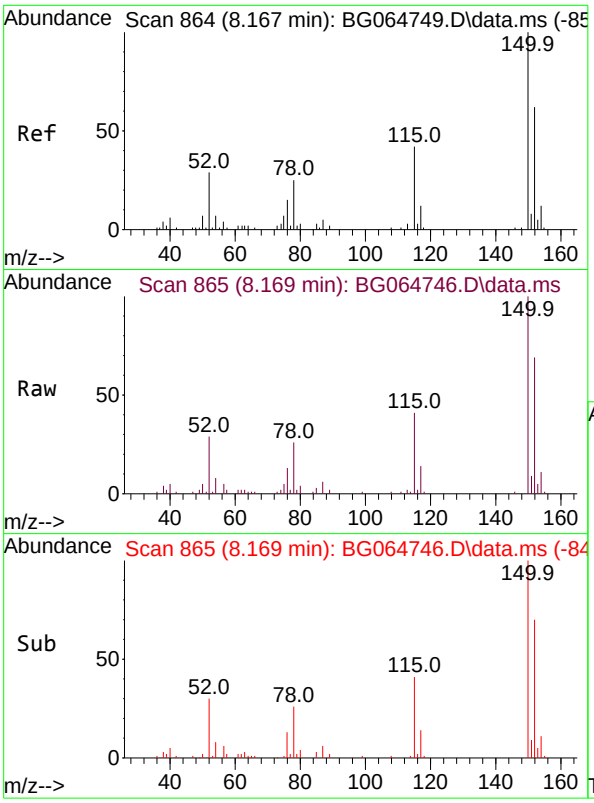
Quant Time: Nov 12 16:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

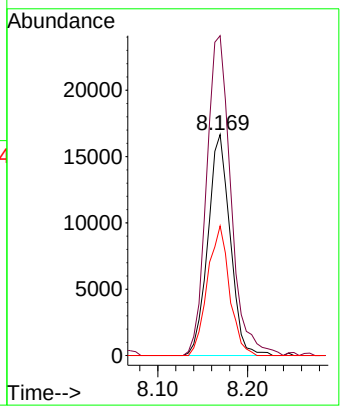




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:152 Resp: 2861

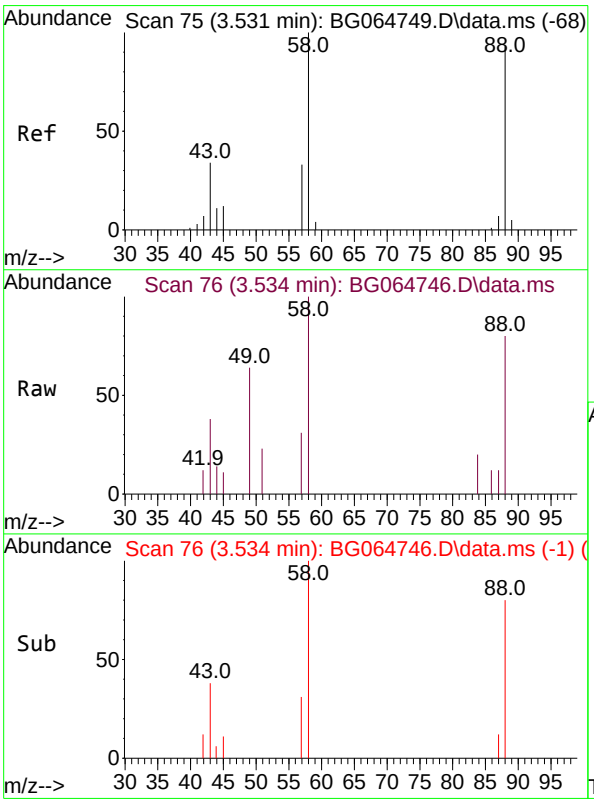
Ion	Ratio	Lower	Upper
152	100		
150	144.8	129.2	193.8
115	58.7	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

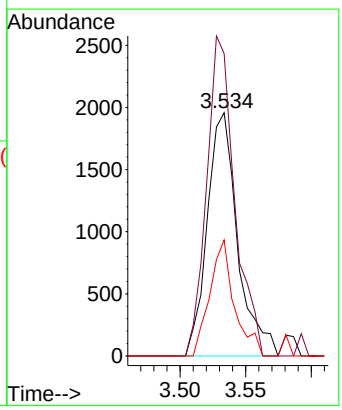
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

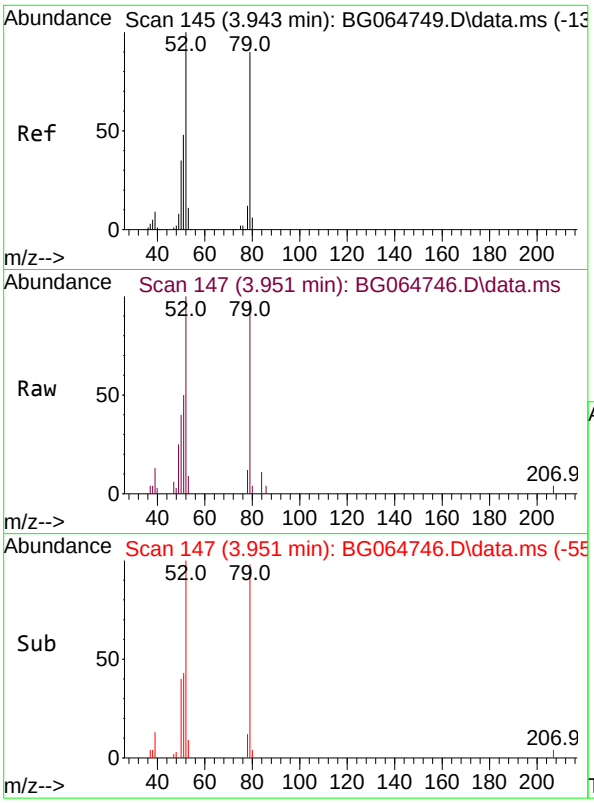


#2
1,4-Dioxane
Concen: 4.971 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 88 Resp: 3153

Ion	Ratio	Lower	Upper
88	100		
58	121.4	84.6	126.8
43	38.5	30.0	45.0

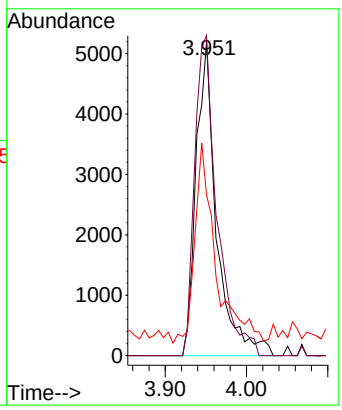




#3
Pyridine
Concen: 4.803 ng
RT: 3.951 min Scan# 14
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 79 Resp: 907

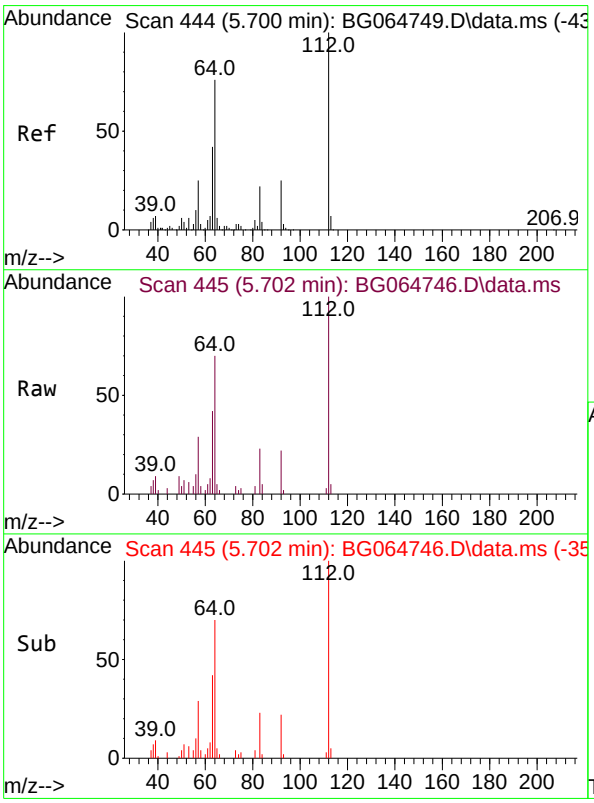
Ion	Ratio	Lower	Upper
79	100		
52	102.1	89.0	133.4
51	51.3	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

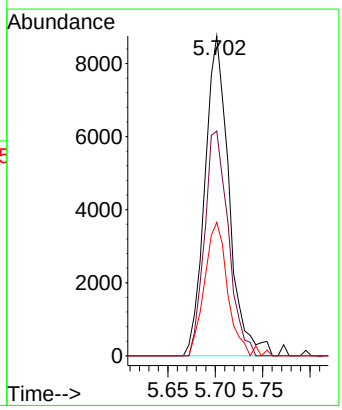
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

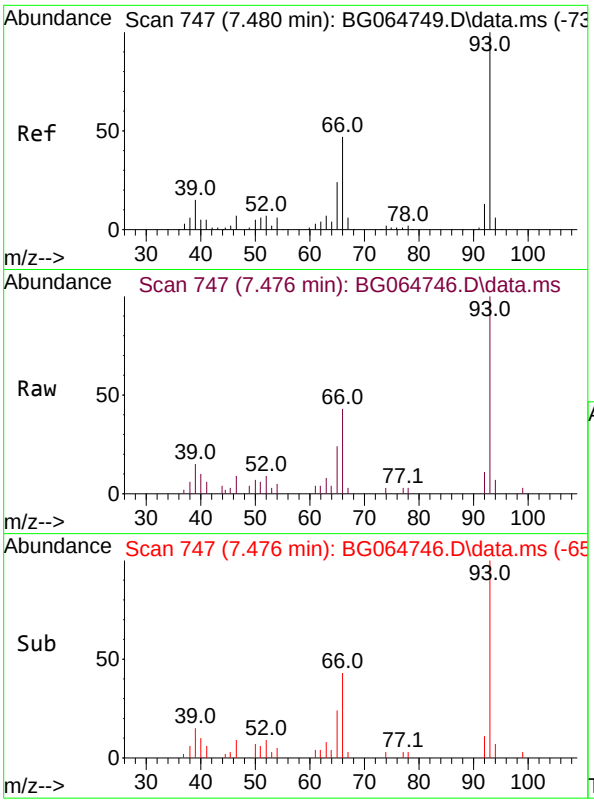


#5
2-Fluorophenol
Concen: 9.462 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:112 Resp: 15503

Ion	Ratio	Lower	Upper
112	100		
64	70.3	61.0	91.4
63	41.7	33.3	49.9

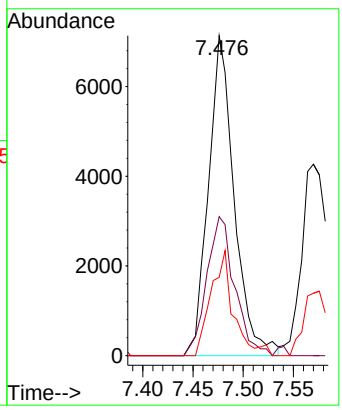




#6
Aniline
Concen: 4.390 ng
RT: 7.476 min Scan# 74
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 1275

Ion	Ratio	Lower	Upper
93	100		
66	43.4	37.7	56.5
65	24.5	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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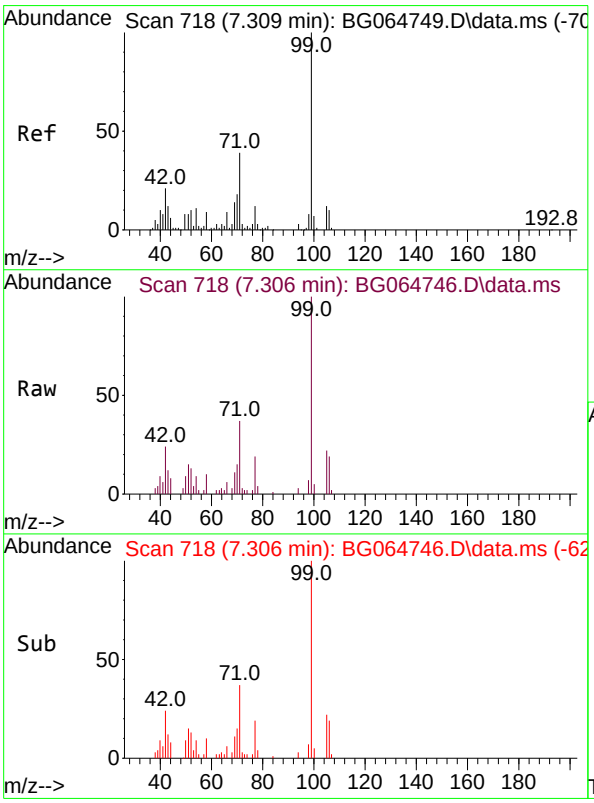
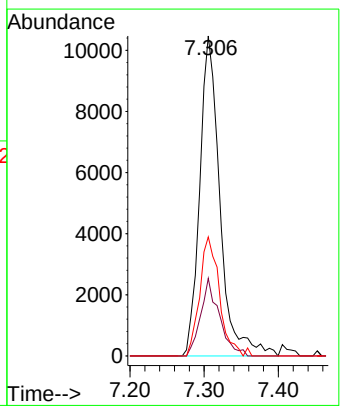
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

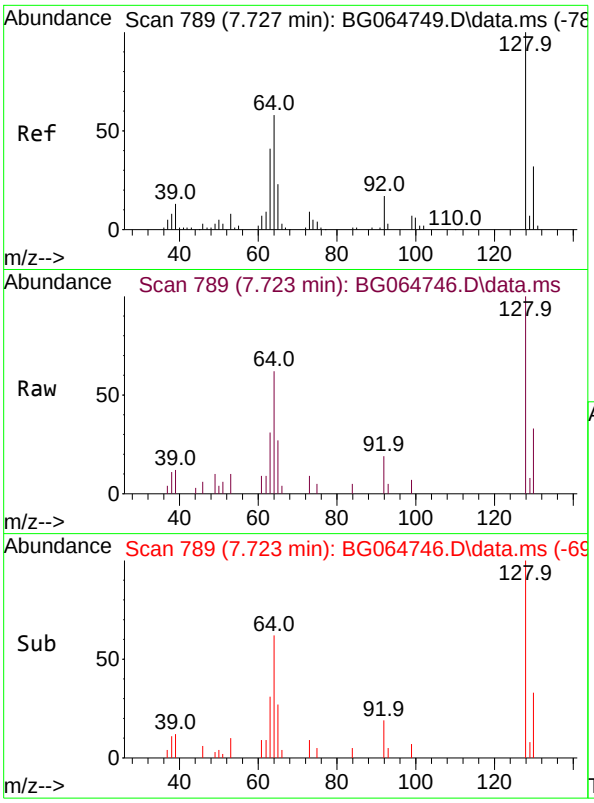


#7
Phenol-d6
Concen: 9.111 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 99 Resp: 19854

Ion	Ratio	Lower	Upper
99	100		
42	24.2	16.8	25.2
71	37.2	31.1	46.7

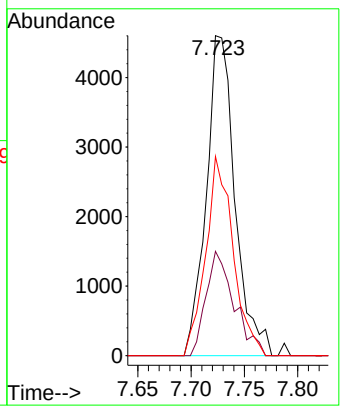




#8
2-Chlorophenol
Concen: 4.802 ng
RT: 7.723 min Scan# 78
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:128 Resp: 863

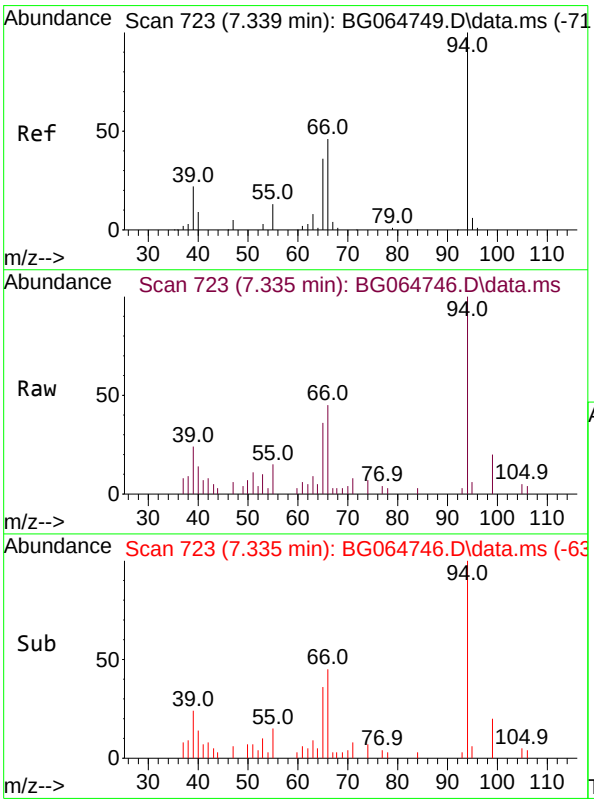
Ion	Ratio	Lower	Upper
128	100		
130	32.6	11.9	51.9
64	62.2	38.4	78.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

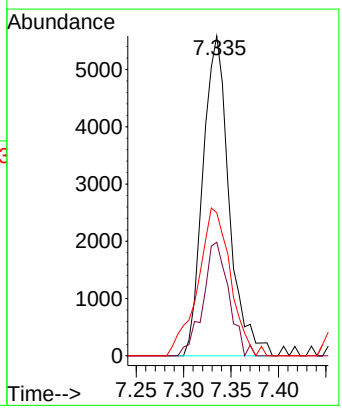
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

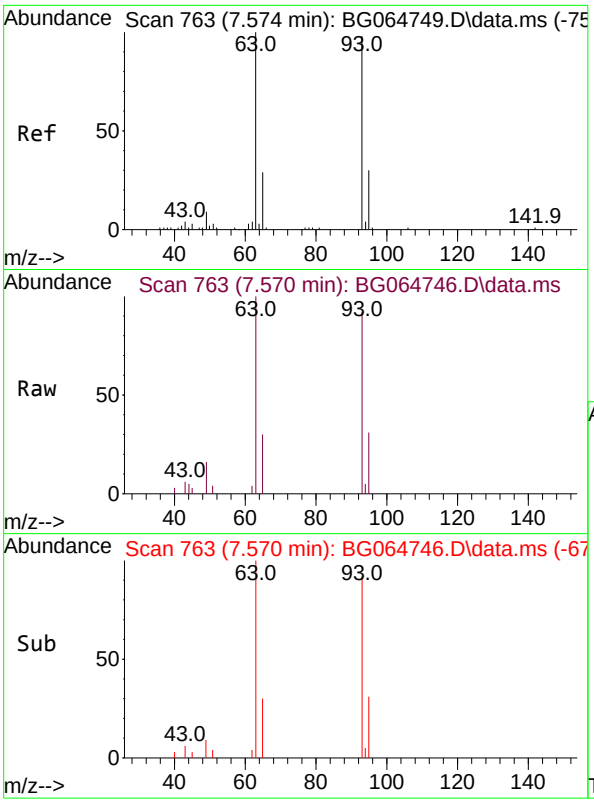


#10
Phenol
Concen: 4.529 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 94 Resp: 10737

Ion	Ratio	Lower	Upper
94	100		
65	35.5	17.0	57.0
66	44.7	29.8	69.8

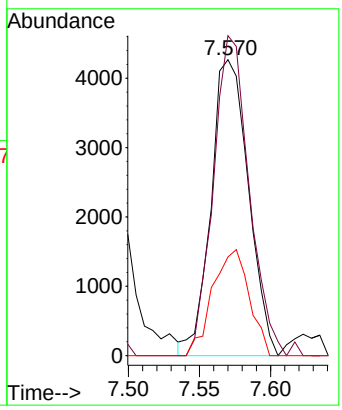




#11
bis(2-Chloroethyl)ether
Concen: 4.635 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 782

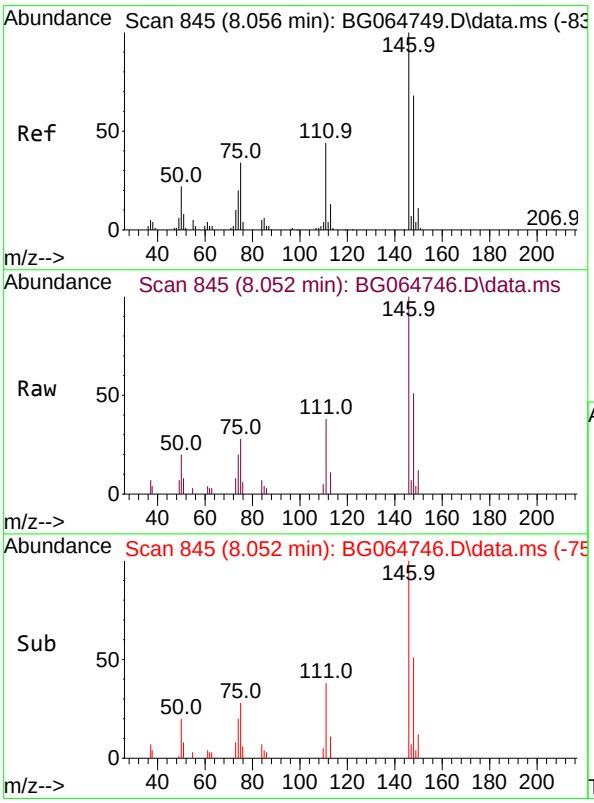
Ion	Ratio	Lower	Upper
93	100		
63	108.1	81.8	121.8
95	33.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

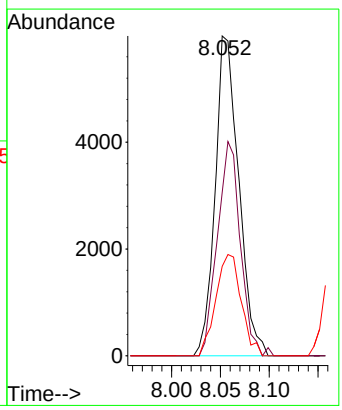
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

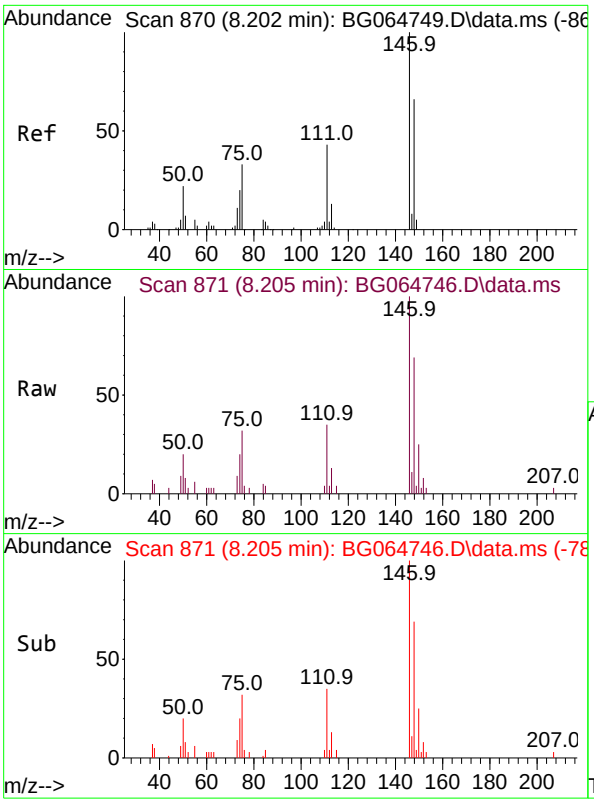


#12
1,3-Dichlorobenzene
Concen: 4.872 ng m
RT: 8.052 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 10085

Ion	Ratio	Lower	Upper
146	100		
148	51.1	54.6	82.0#
75	28.0	27.6	41.4

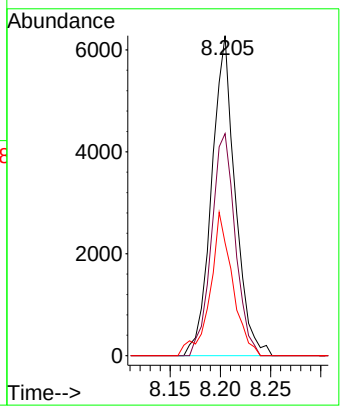




#13
1,4-Dichlorobenzene
Concen: 4.866 ng
RT: 8.205 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 1025

Ion	Ratio	Lower	Upper
146	100		
148	69.4	53.1	79.7
111	35.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
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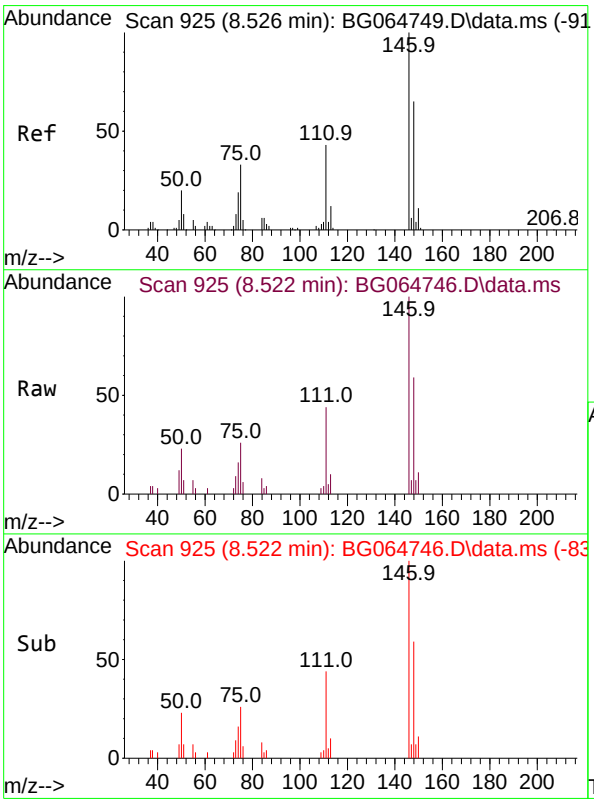
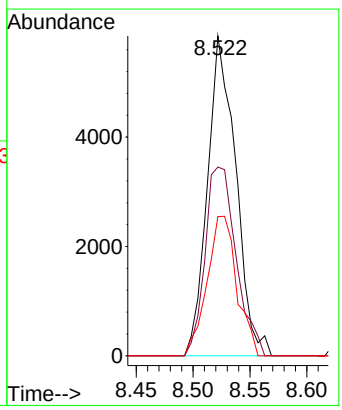
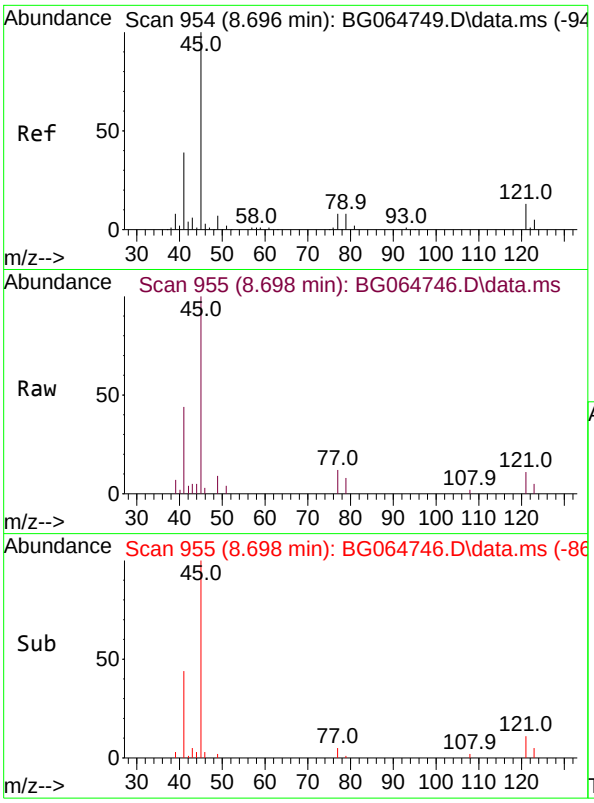


#14
1,2-Dichlorobenzene
Concen: 4.957 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:146 Resp: 10131

Ion	Ratio	Lower	Upper
146	100		
148	59.0	52.0	78.0
111	43.5	34.7	52.1

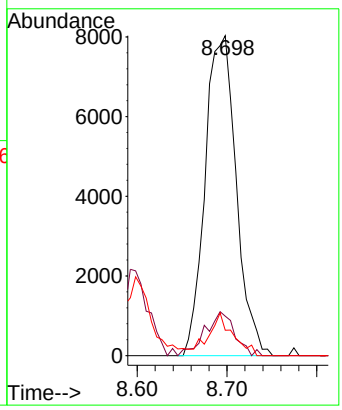




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.859 ng
RT: 8.698 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 45 Resp: 1940

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	28.8
79	7.9	0.0	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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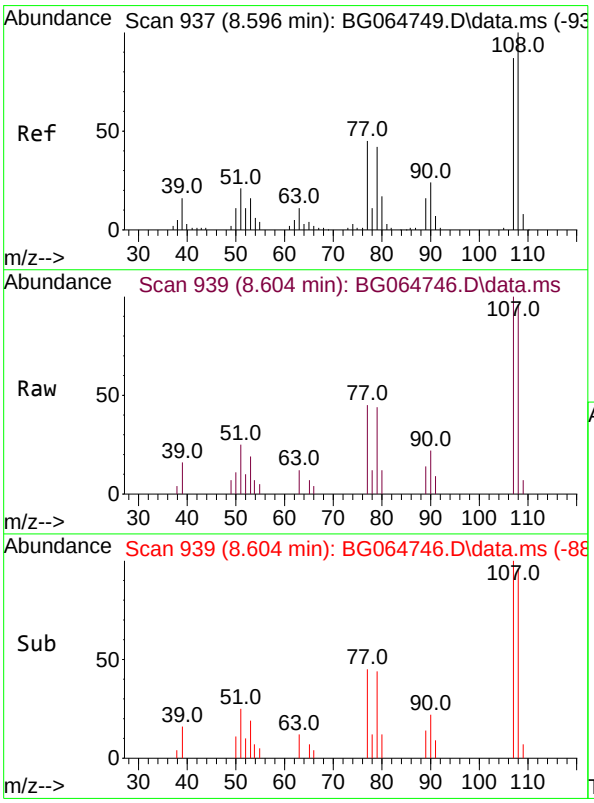
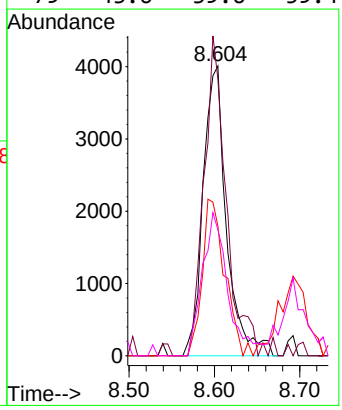
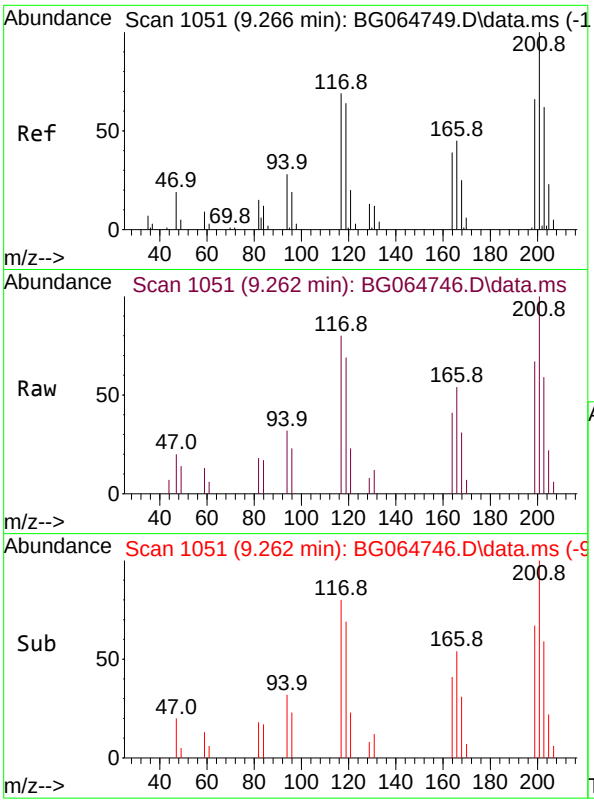


#17
2-Methylphenol
Concen: 4.569 ng
RT: 8.604 min Scan# 939
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:107 Resp: 7665

Ion	Ratio	Lower	Upper
107	100		
108	95.6	92.6	138.8
77	44.8	41.2	61.8
79	43.6	39.6	59.4

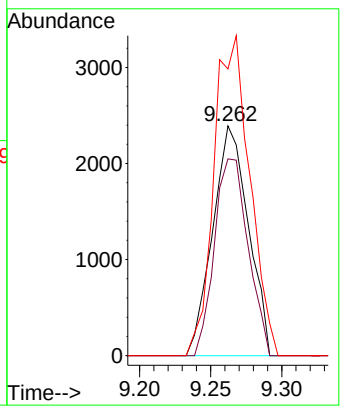




#18
Hexachloroethane
Concen: 5.229 ng
RT: 9.262 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:117 Resp: 417

Ion	Ratio	Lower	Upper
117	100		
119	85.7	74.4	111.6
201	124.8	116.5	174.7



Instrument :
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ClientSampleId :
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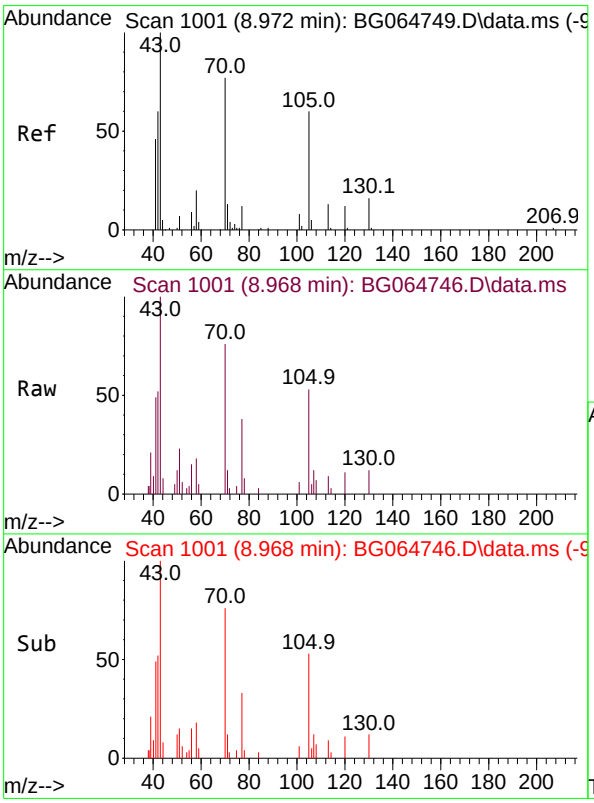
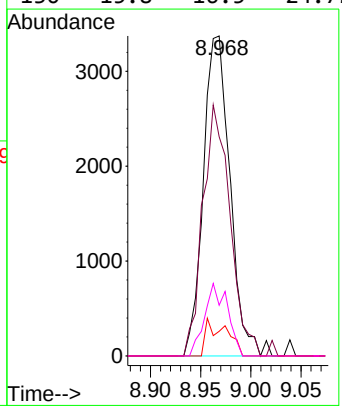
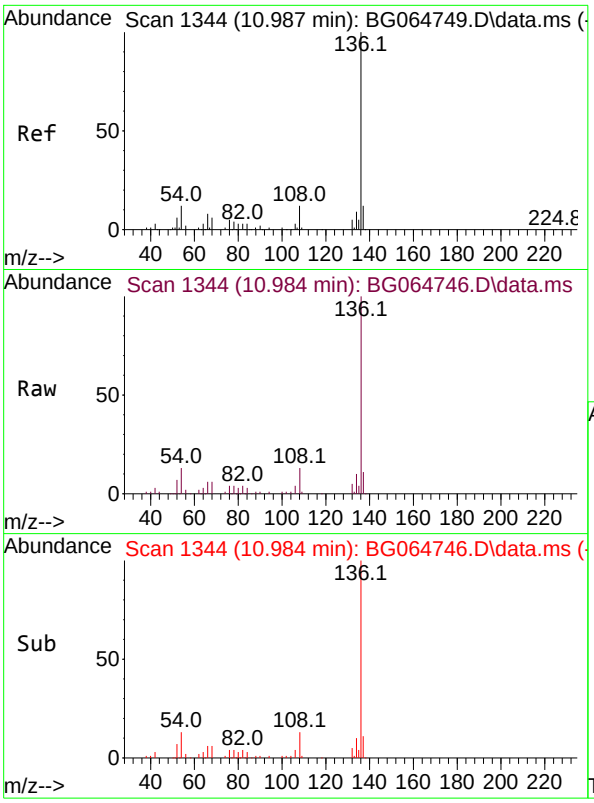


#19
n-Nitroso-di-n-propylamine
Concen: 4.247 ng
RT: 8.968 min Scan# 1001
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 70 Resp: 6258

Ion	Ratio	Lower	Upper
70	100		
42	68.5	62.6	93.8
101	7.7	8.0	12.0#
130	15.8	16.5	24.7#

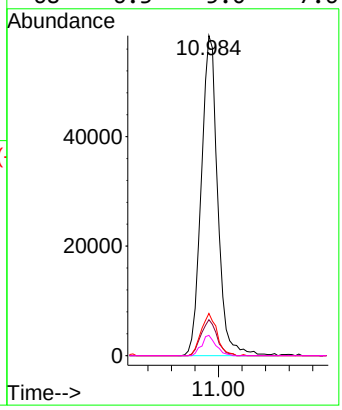




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:136 Resp: 11295

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	13.2	9.3	13.9
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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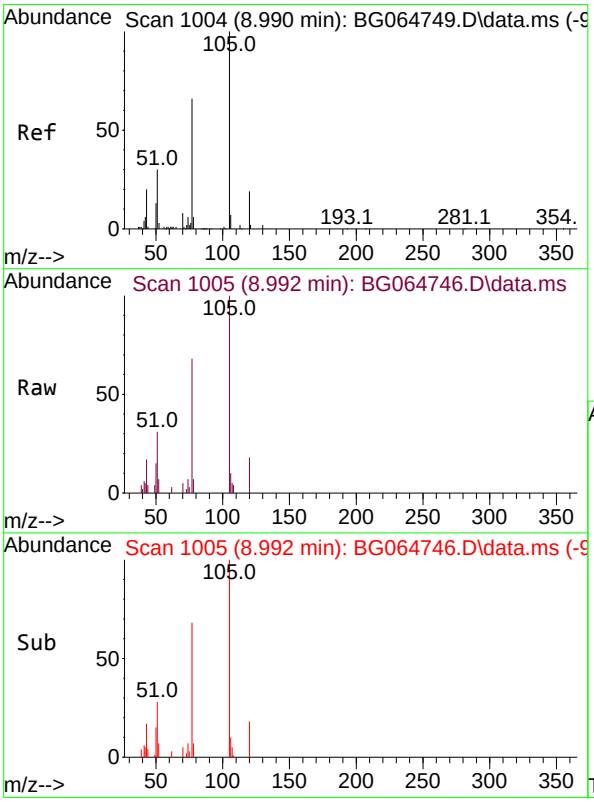
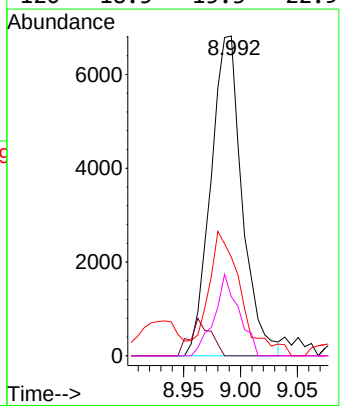
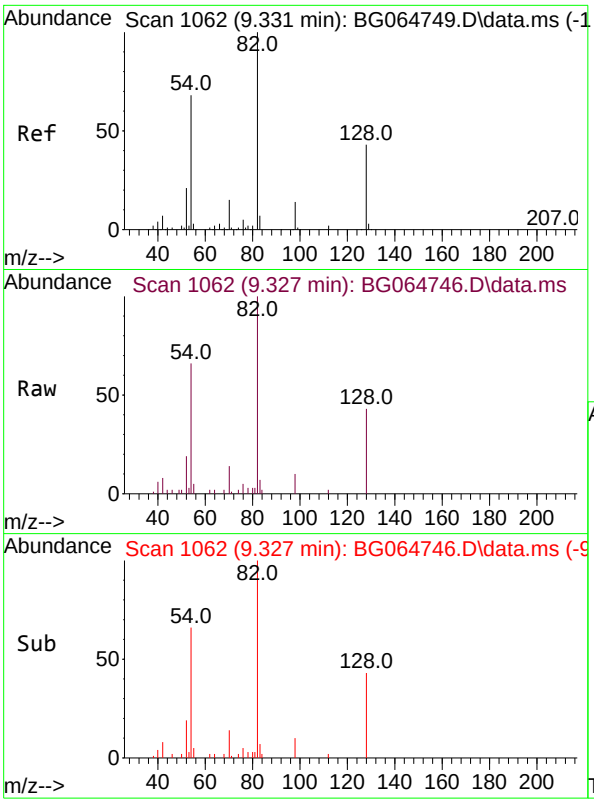


#22
Acetophenone
Concen: 4.264 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:105 Resp: 13123

Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.3	1.9#
51	30.9	27.9	41.9
120	18.5	15.3	22.9





#23
Nitrobenzene-d5
Concen: 9.170 ng
RT: 9.327 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 82 Resp: 2095

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	65.6	54.3	81.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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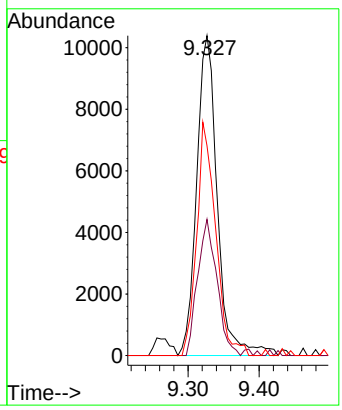
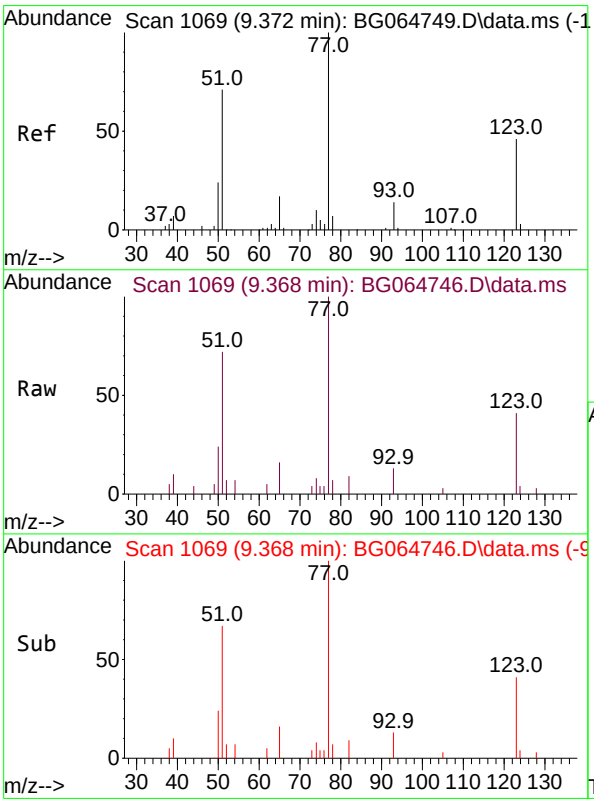
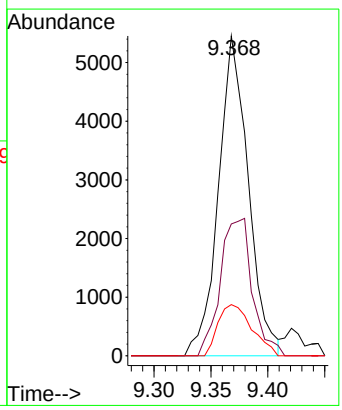


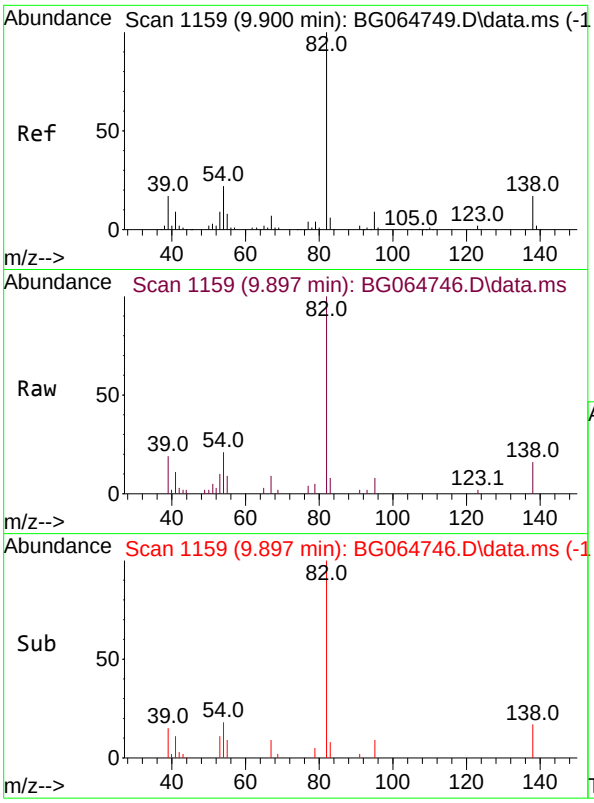


#24
Nitrobenzene
Concen: 4.323 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 77 Resp: 9979

Ion	Ratio	Lower	Upper
77	100		
123	41.2	36.5	54.7
65	16.0	13.5	20.3

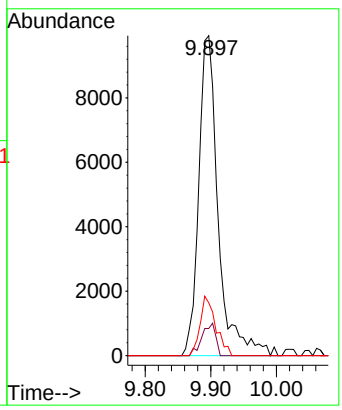




#25
Isophorone
Concen: 4.691 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 82 Resp: 2040

Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.9	10.3
138	16.5	13.9	20.9



Instrument :
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ClientSampleId :
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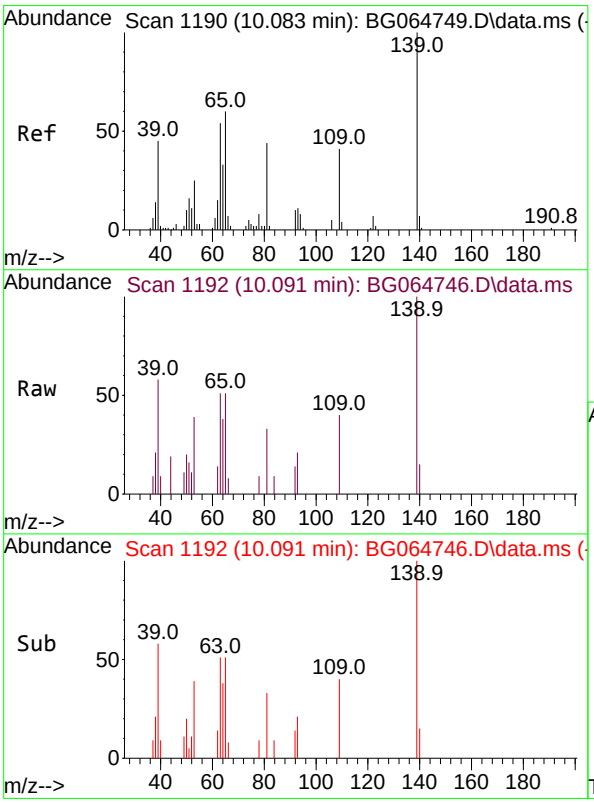
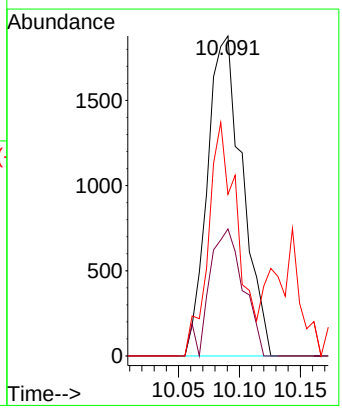
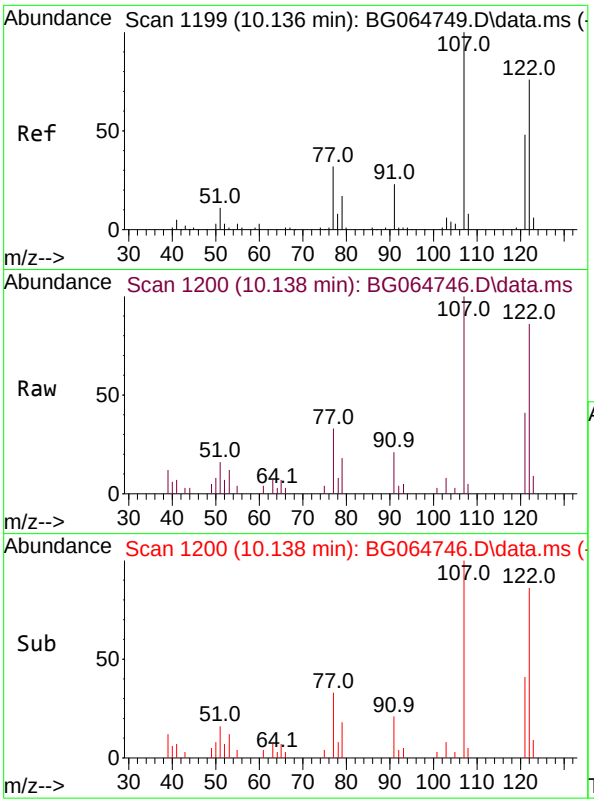


#26
2-Nitrophenol
Concen: 3.627 ng
RT: 10.091 min Scan# 1192
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:139 Resp: 3766

Ion	Ratio	Lower	Upper
139	100		
109	39.7	32.5	48.7
65	50.5	47.6	71.4

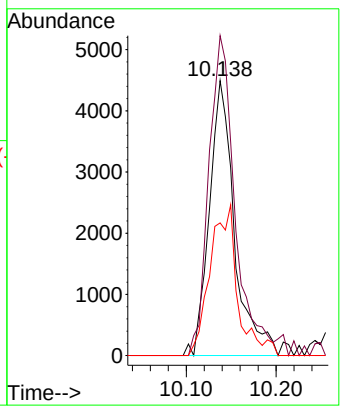




#27
2,4-Dimethylphenol
Concen: 4.734 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:122 Resp: 873

Ion	Ratio	Lower	Upper
122	100		
107	116.4	102.5	153.7
121	48.3	49.0	73.6#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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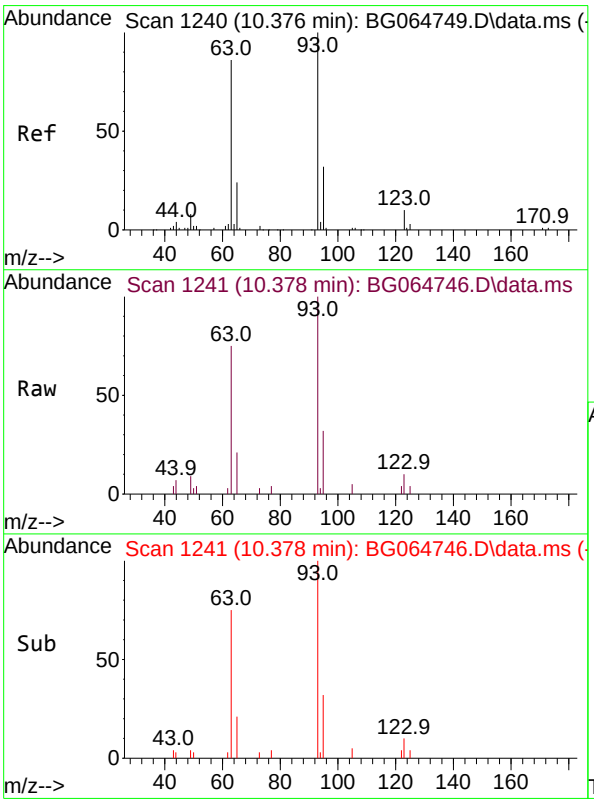
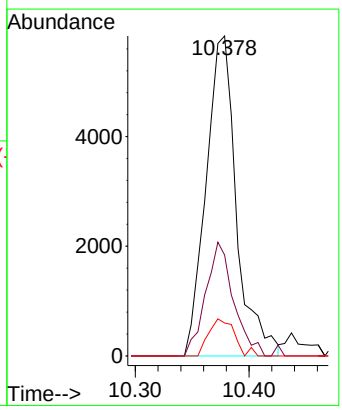
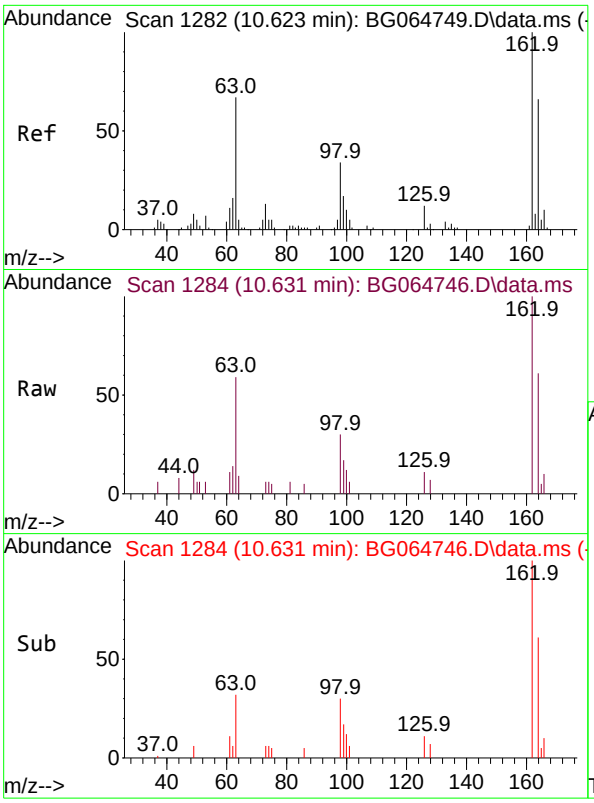


#28
bis(2-Chloroethoxy)methane
Concen: 4.526 ng
RT: 10.378 min Scan# 1241
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 93 Resp: 10809

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.4	38.2
123	10.3	8.1	12.1

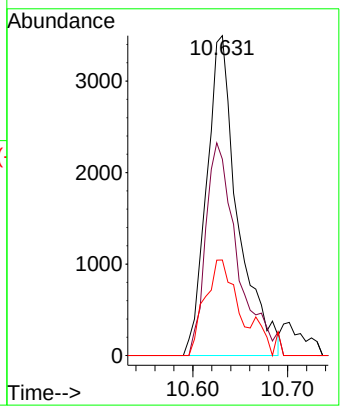




#29
2,4-Dichlorophenol
Concen: 4.039 ng
RT: 10.631 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:162 Resp: 799

Ion	Ratio	Lower	Upper
162	100		
164	61.4	46.0	86.0
98	29.9	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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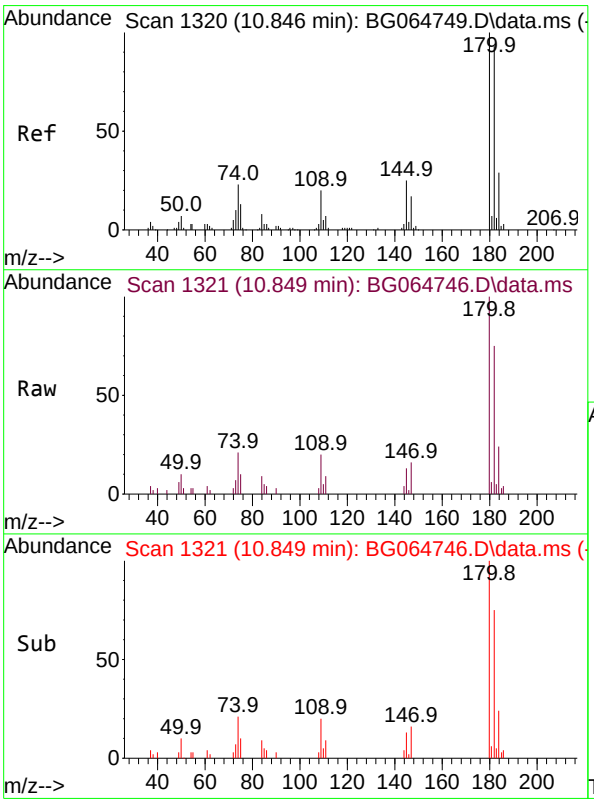
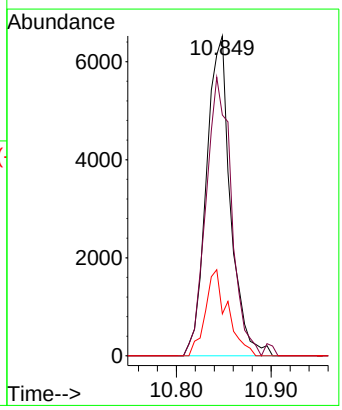
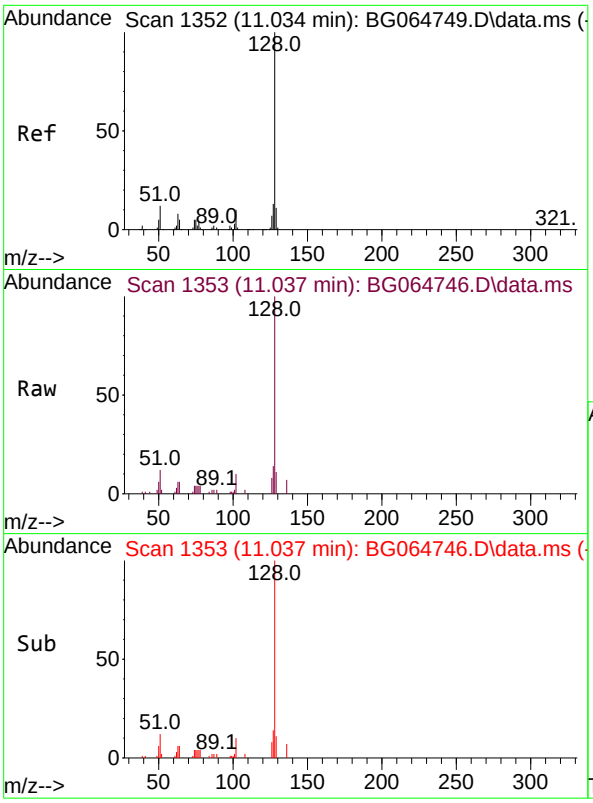


#30
1,2,4-Trichlorobenzene
Concen: 4.816 ng
RT: 10.849 min Scan# 1321
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:180 Resp: 11516

Ion	Ratio	Lower	Upper
180	100		
182	70.9	74.2	111.4#
145	12.4	20.0	30.0#

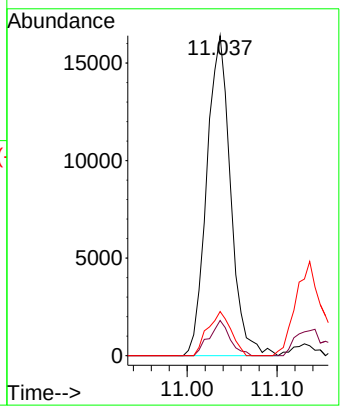




#31
Naphthalene
Concen: 4.744 ng
RT: 11.037 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:128 Resp: 3037

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.8	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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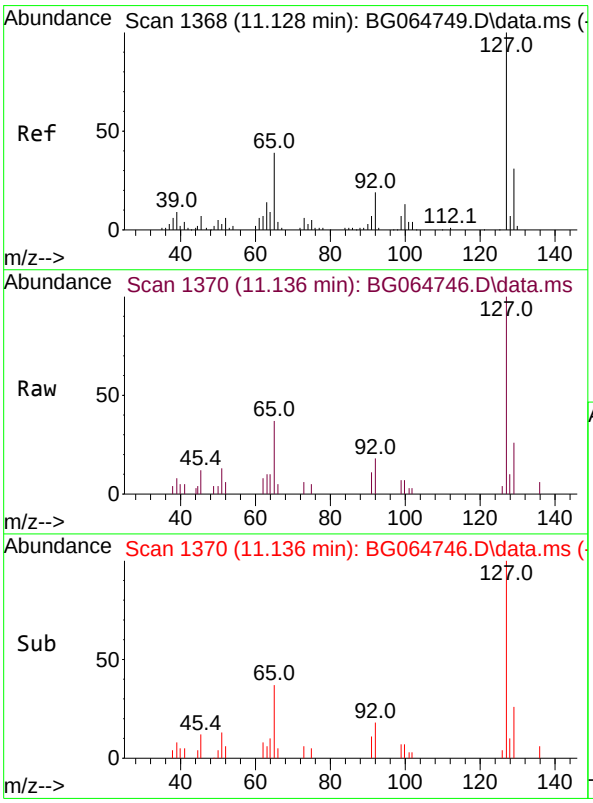
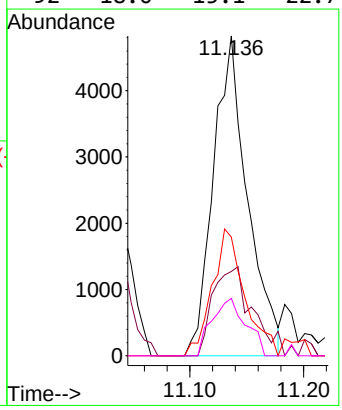
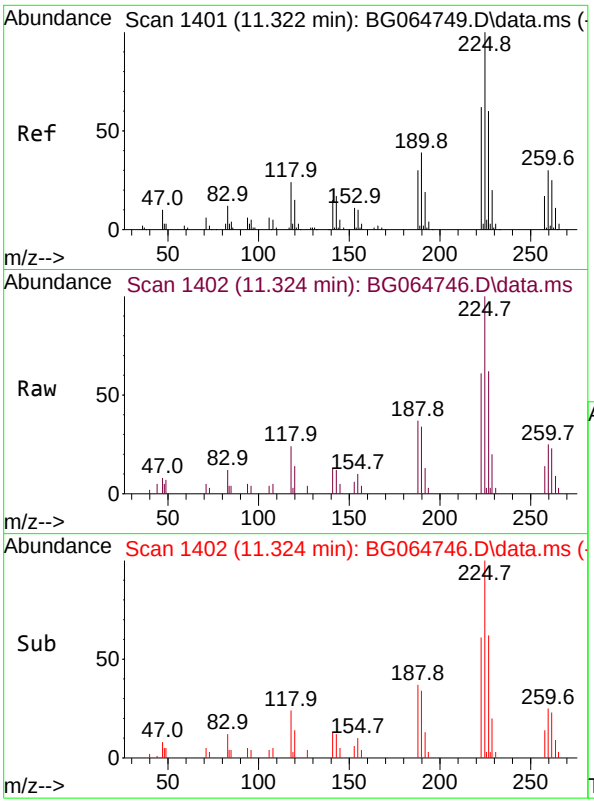


#33
4-Chloroaniline
Concen: 3.933 ng
RT: 11.136 min Scan# 1370
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:127 Resp: 10074

Ion	Ratio	Lower	Upper
127	100		
129	26.4	24.9	37.3
65	37.1	30.9	46.3
92	18.0	15.1	22.7

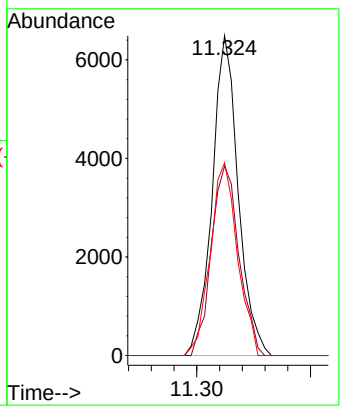




#34
Hexachlorobutadiene
Concen: 5.029 ng
RT: 11.324 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:225 Resp: 10318

Ion	Ratio	Lower	Upper
225	100		
223	59.2	49.9	74.9
227	62.8	50.6	75.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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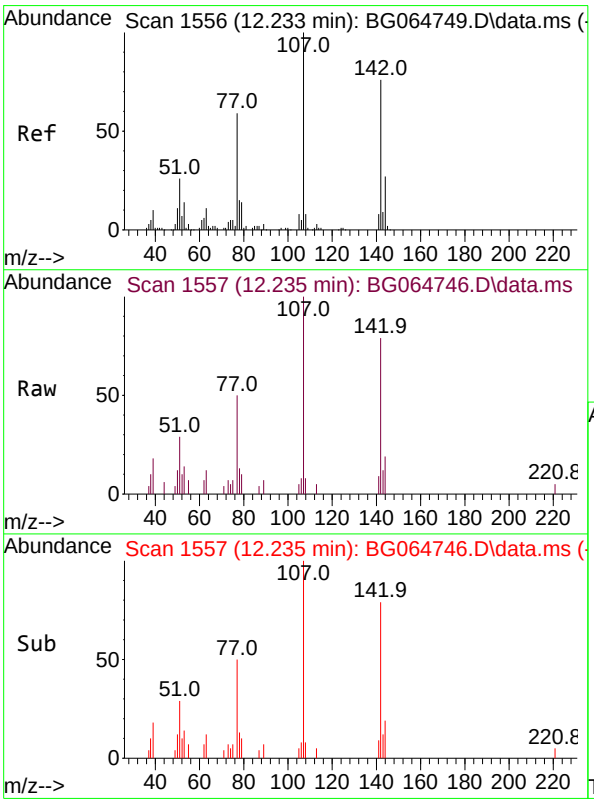
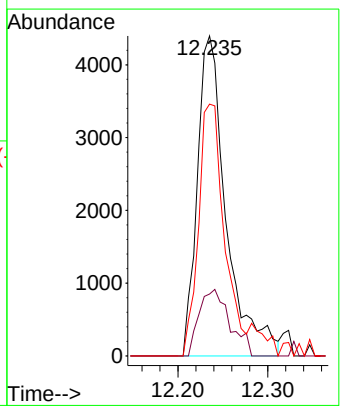
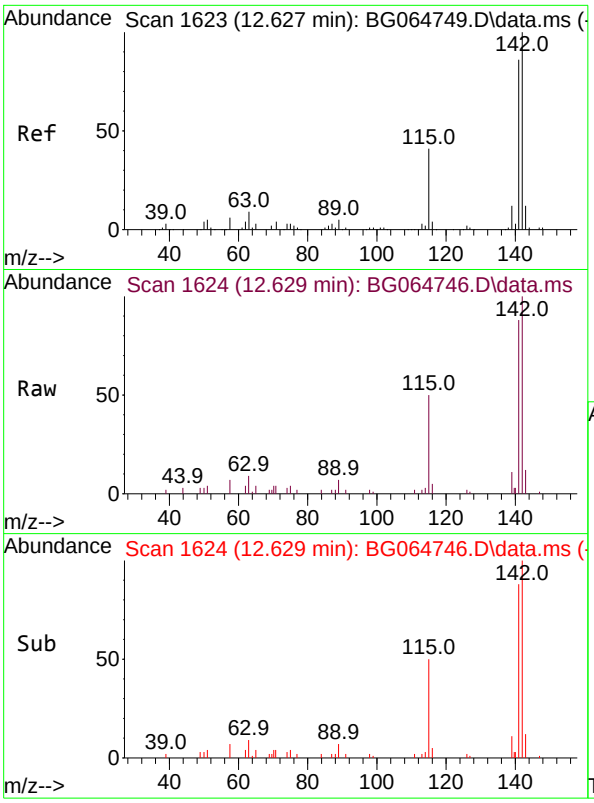


#36
4-Chloro-3-methylphenol
Concen: 4.455 ng
RT: 12.235 min Scan# 1557
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:107 Resp: 9819

Ion	Ratio	Lower	Upper
107	100		
144	19.3	21.7	32.5#
142	78.7	60.8	91.2

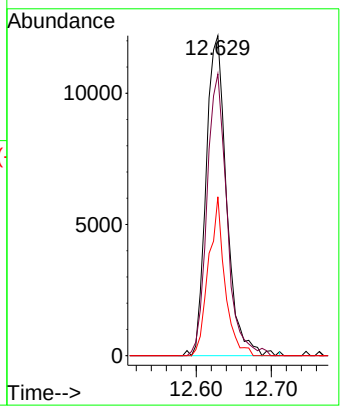




#37
2-Methylnaphthalene
Concen: 4.831 ng m
RT: 12.629 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:142 Resp: 2314

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.1	103.7
115	49.6	32.9	49.3#



Instrument :
BNA_G
ClientSampleId :
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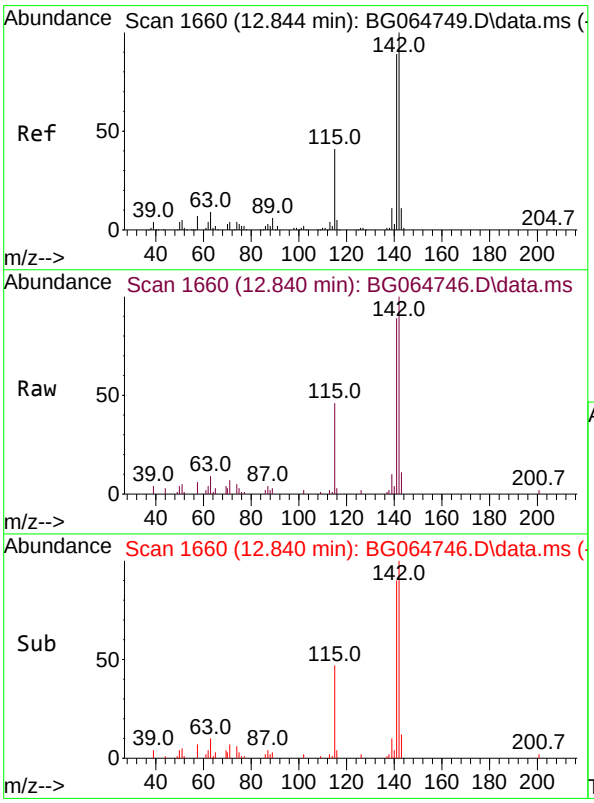
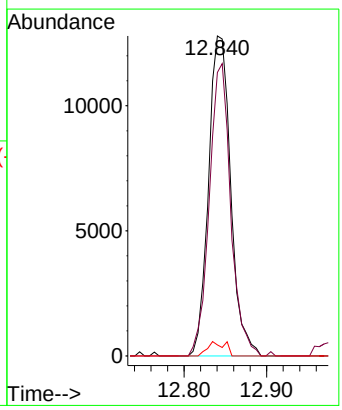
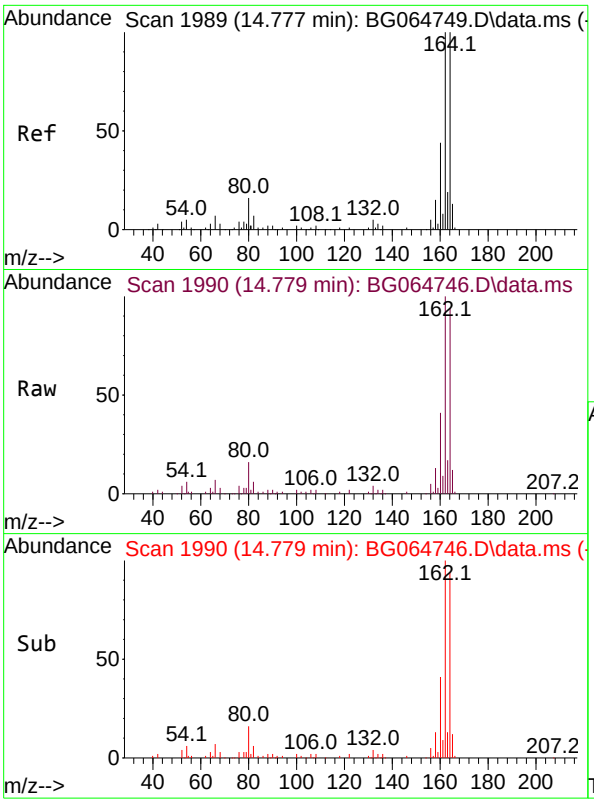


#38
1-Methylnaphthalene
Concen: 5.007 ng m
RT: 12.840 min Scan# 1660
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:142 Resp: 23834

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
116	3.4	3.7	5.5#

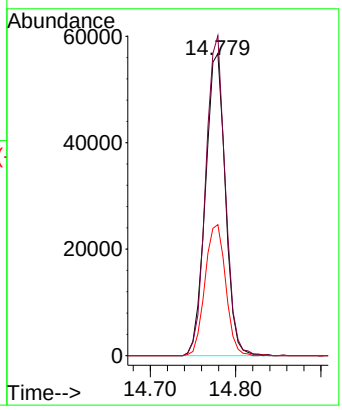




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:164 Resp: 9215

Ion	Ratio	Lower	Upper
164	100		
162	106.0	79.8	119.6
160	43.4	34.9	52.3



Instrument :
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ClientSampleId :
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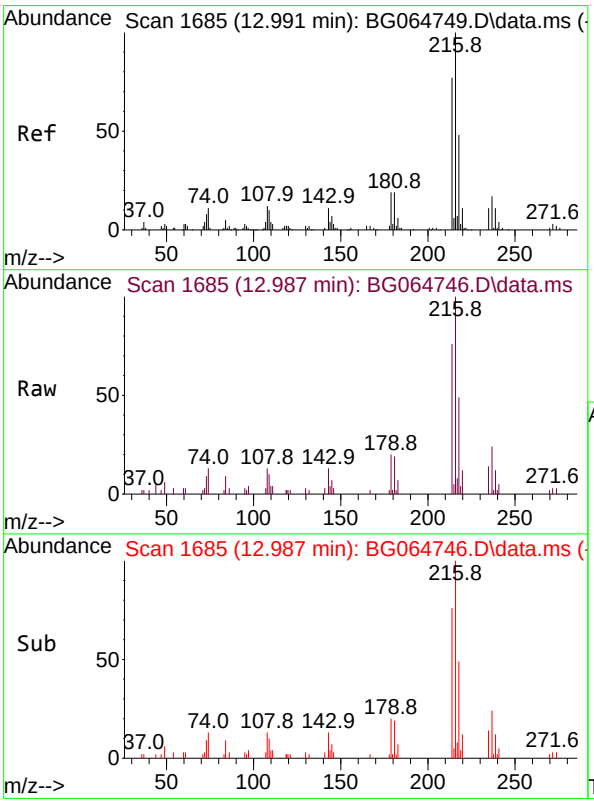
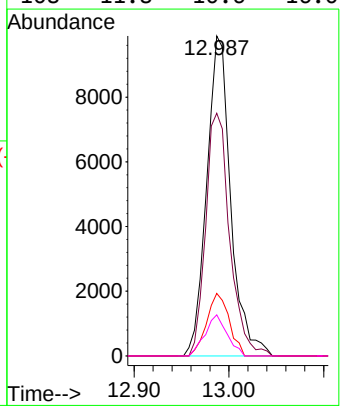
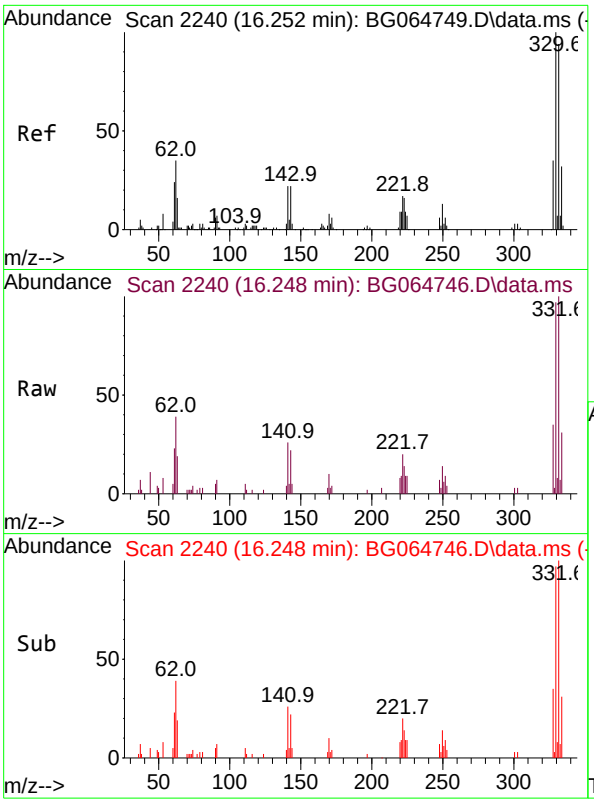


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.859 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:216 Resp: 17425

Ion	Ratio	Lower	Upper
216	100		
214	75.8	60.5	90.7
179	18.2	14.7	22.1
108	11.8	10.6	16.0

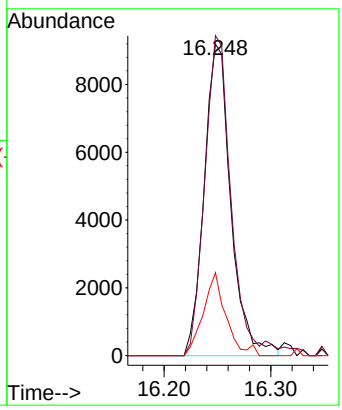




#42
2,4,6-Tribromophenol
Concen: 8.875 ng
RT: 16.248 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:330 Resp: 1595

Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.0	115.6
141	22.7	18.2	27.2



Instrument :
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ClientSampleId :
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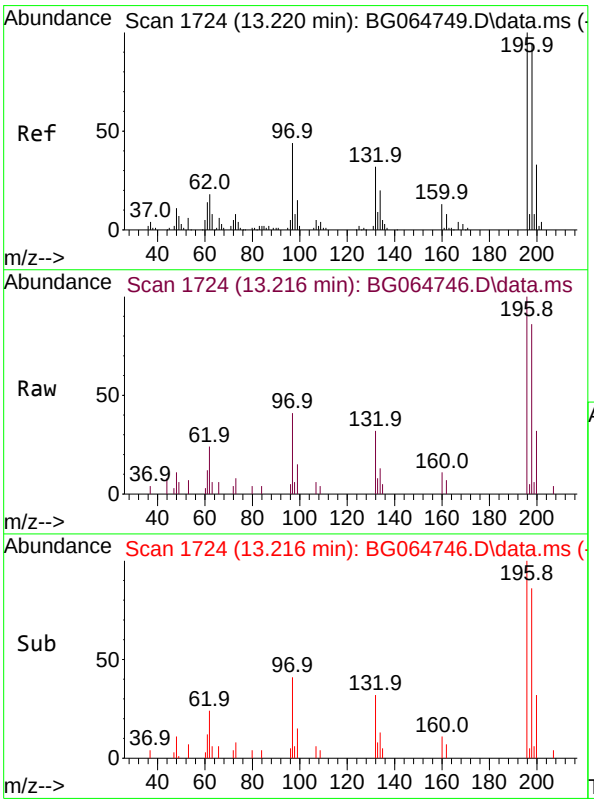
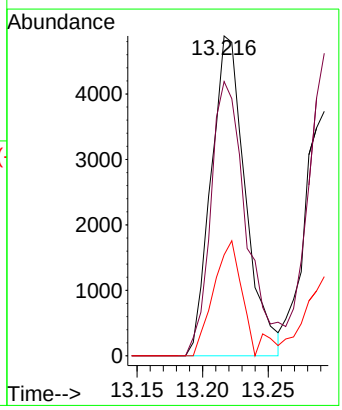
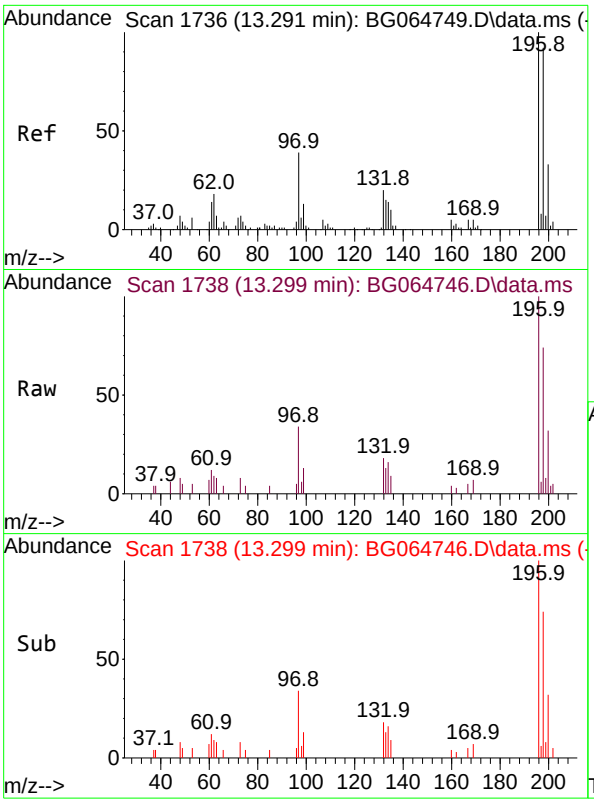


#43
2,4,6-Trichlorophenol
Concen: 4.222 ng
RT: 13.216 min Scan# 1724
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:196 Resp: 8887

Ion	Ratio	Lower	Upper
196	100		
198	85.7	75.3	112.9
200	31.6	26.2	39.2

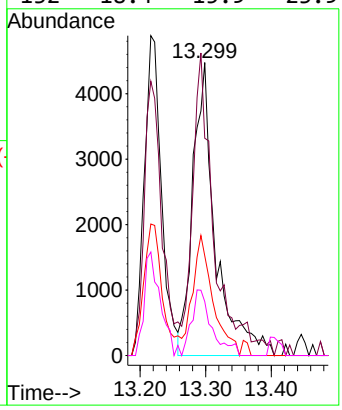




#44
2,4,5-Trichlorophenol
Concen: 4.559 ng
RT: 13.299 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:196 Resp: 1076

Ion	Ratio	Lower	Upper
196	100		
198	74.2	73.2	109.8
97	34.1	31.4	47.0
132	18.4	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
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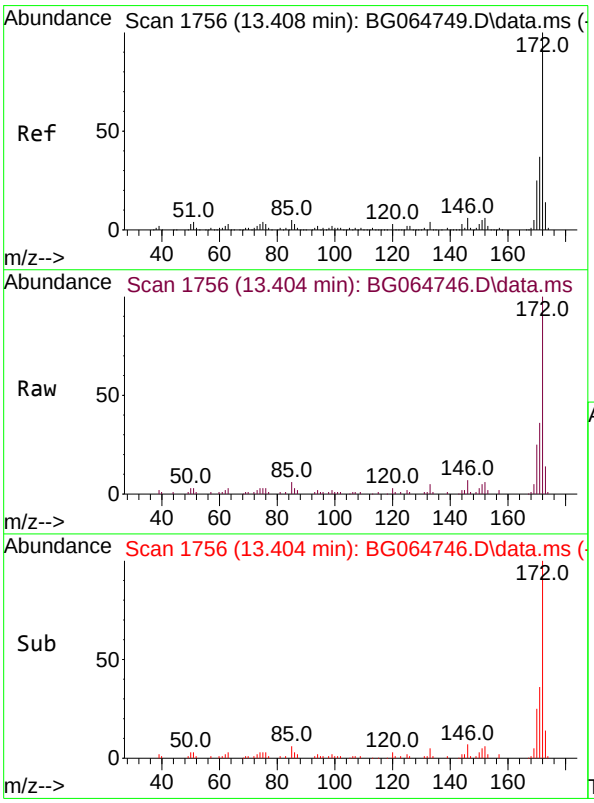
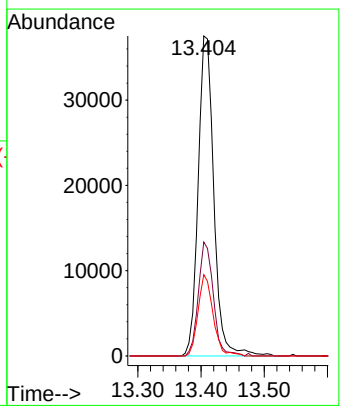
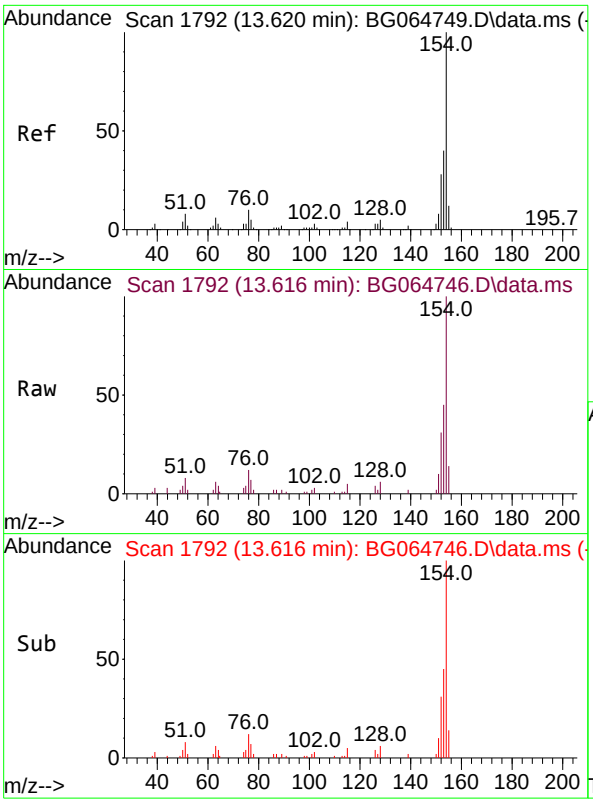


#45
2-Fluorobiphenyl
Concen: 9.789 ng
RT: 13.404 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:172 Resp: 64649

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	25.4	19.8	29.6

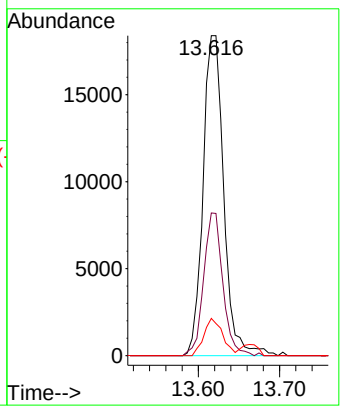




#46
1,1'-Biphenyl
Concen: 4.930 ng
RT: 13.616 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:154 Resp: 3263

Ion	Ratio	Lower	Upper
154	100		
153	44.6	19.8	59.8
76	11.6	0.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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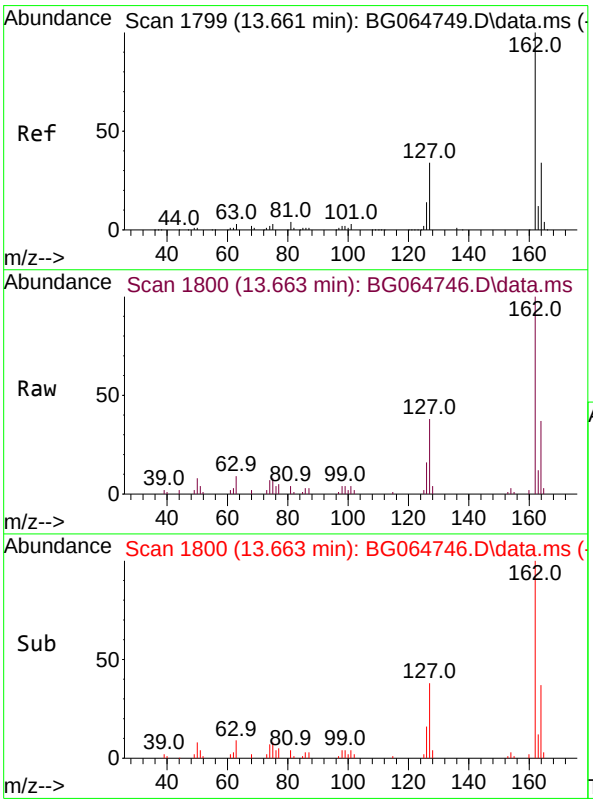
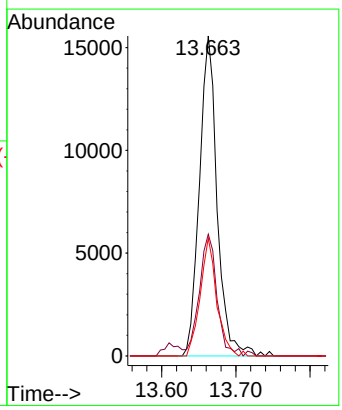
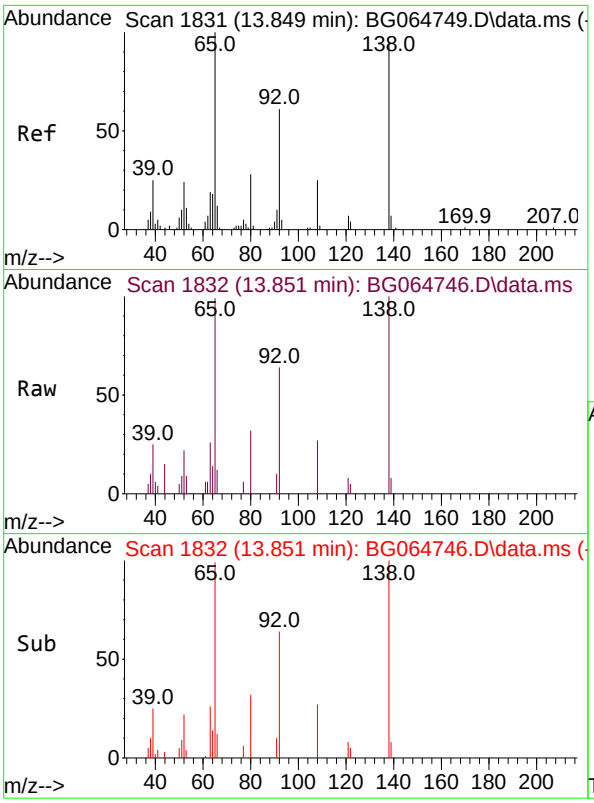


#47
2-Chloronaphthalene
Concen: 4.964 ng
RT: 13.663 min Scan# 1800
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:162 Resp: 25885

Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.3	45.5
164	36.8	26.8	40.2

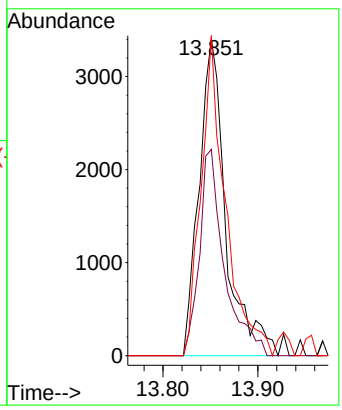




#48
2-Nitroaniline
Concen: 3.995 ng
RT: 13.851 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 65 Resp: 670

Ion	Ratio	Lower	Upper
65	100		
92	65.1	48.6	73.0
138	101.0	76.4	114.6



Instrument :
BNA_G
ClientSampleId :
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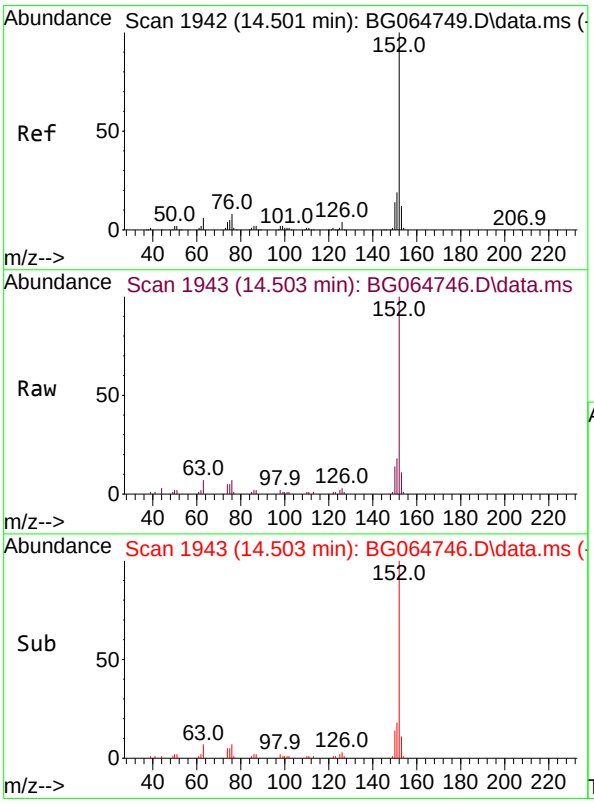
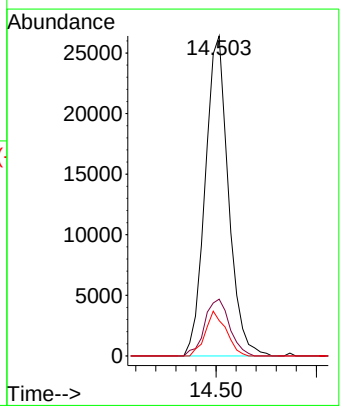
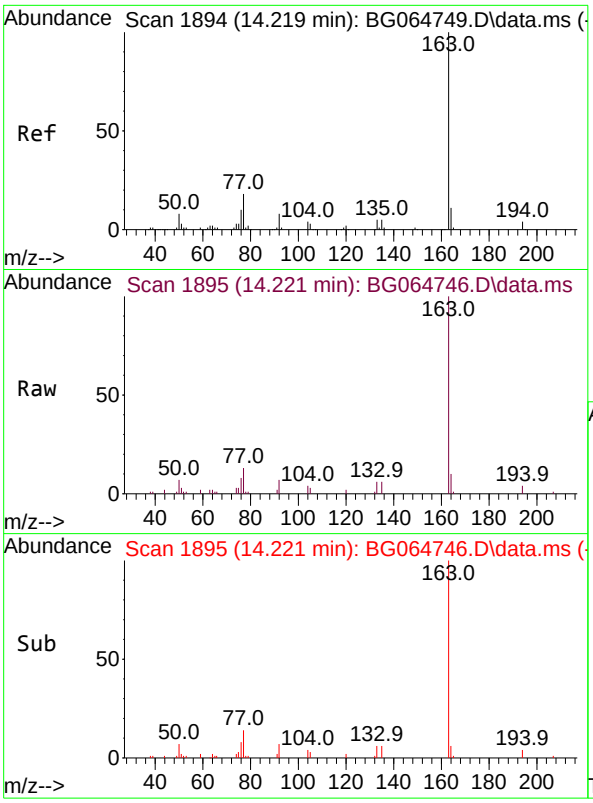


#49
Acenaphthylene
Concen: 4.756 ng
RT: 14.503 min Scan# 1943
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:152 Resp: 42371

Ion	Ratio	Lower	Upper
152	100		
151	17.7	15.0	22.4
153	11.0	9.9	14.9

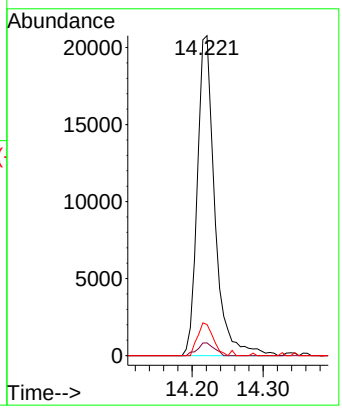




#50
Dimethylphthalate
Concen: 4.858 ng
RT: 14.221 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:163 Resp: 3536

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.7	8.6	12.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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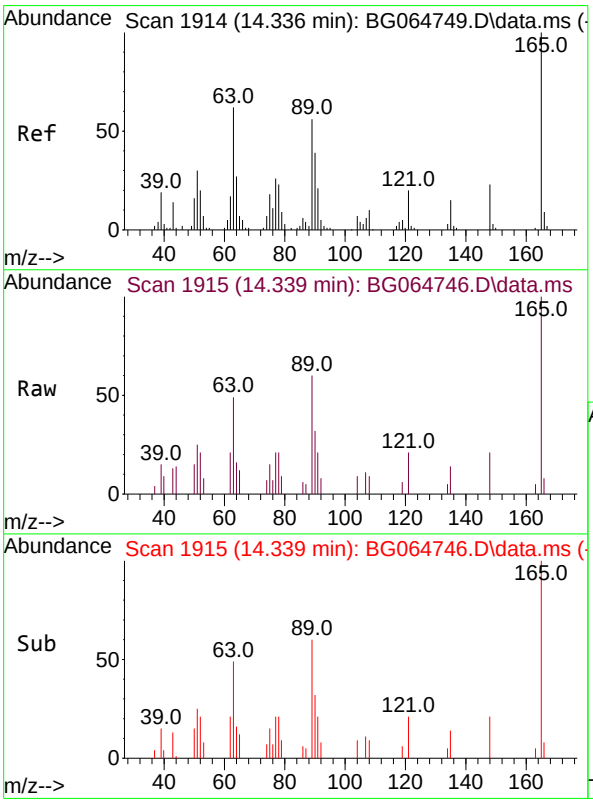
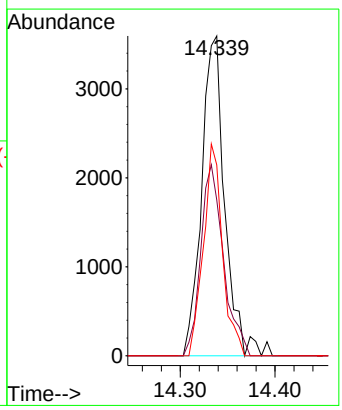
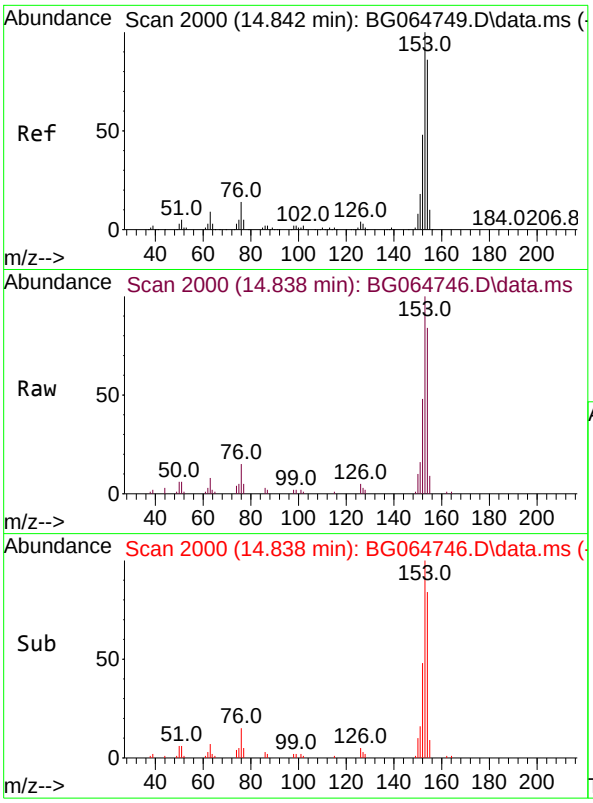


#51
2,6-Dinitrotoluene
Concen: 4.366 ng
RT: 14.339 min Scan# 1915
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:165 Resp: 6116

Ion	Ratio	Lower	Upper
165	100		
63	48.7	49.8	74.8#
89	59.7	45.0	67.4

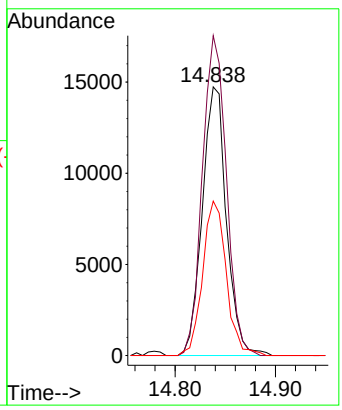




#52
Acenaphthene
Concen: 4.625 ng
RT: 14.838 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:154 Resp: 2470

Ion	Ratio	Lower	Upper
154	100		
153	119.1	93.0	139.4
152	57.5	44.4	66.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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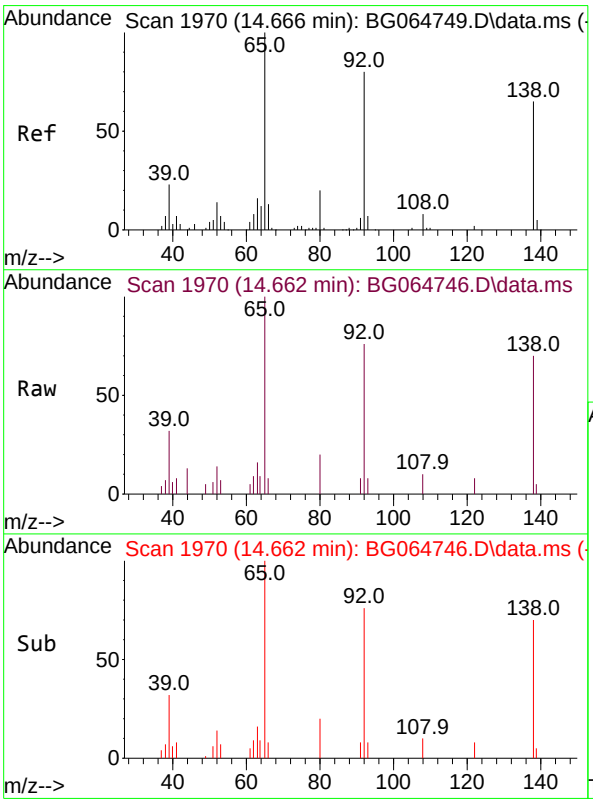
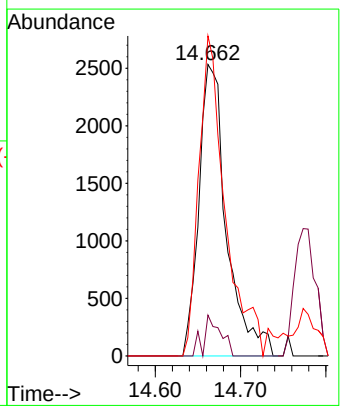
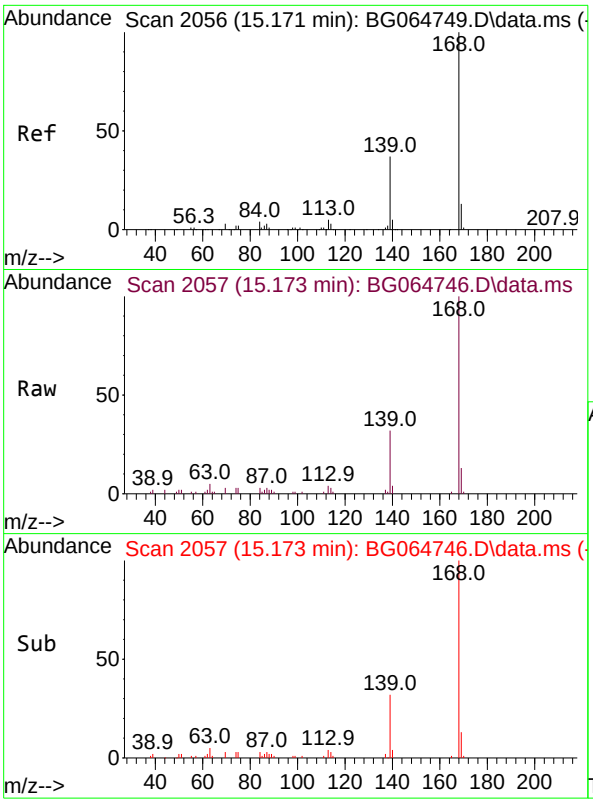


#53
3-Nitroaniline
Concen: 4.121 ng
RT: 14.662 min Scan# 1970
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:138 Resp: 5697

Ion	Ratio	Lower	Upper
138	100		
108	14.0	9.5	14.3
92	109.8	99.0	148.4

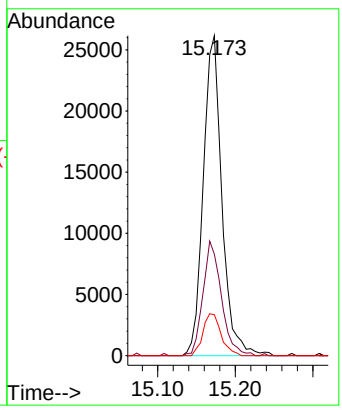




#55
Dibenzofuran
Concen: 4.950 ng
RT: 15.173 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:168 Resp: 4371

Ion	Ratio	Lower	Upper
168	100		
139	31.7	29.5	44.3
169	12.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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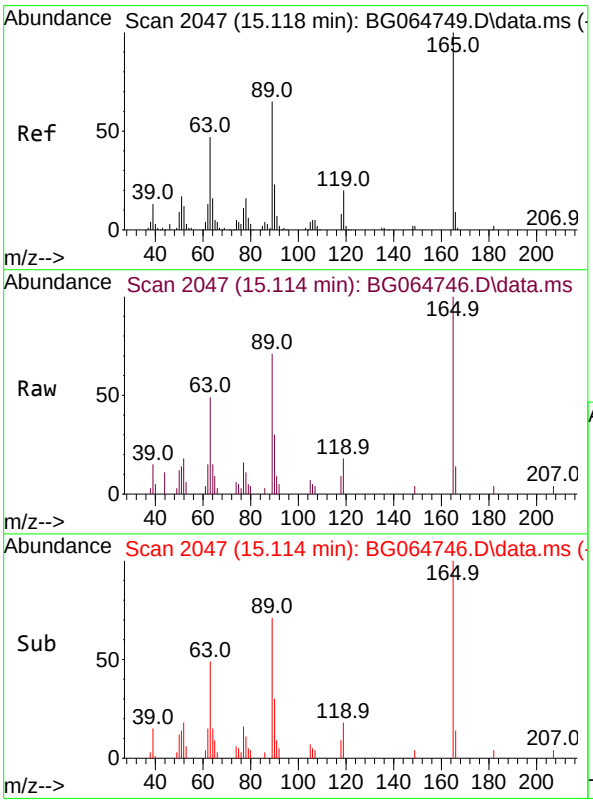
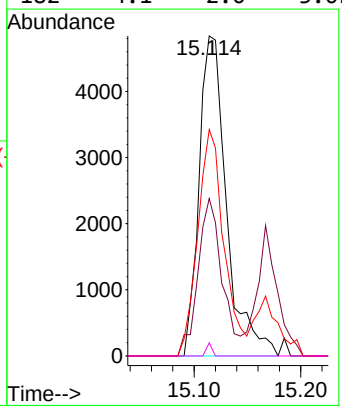
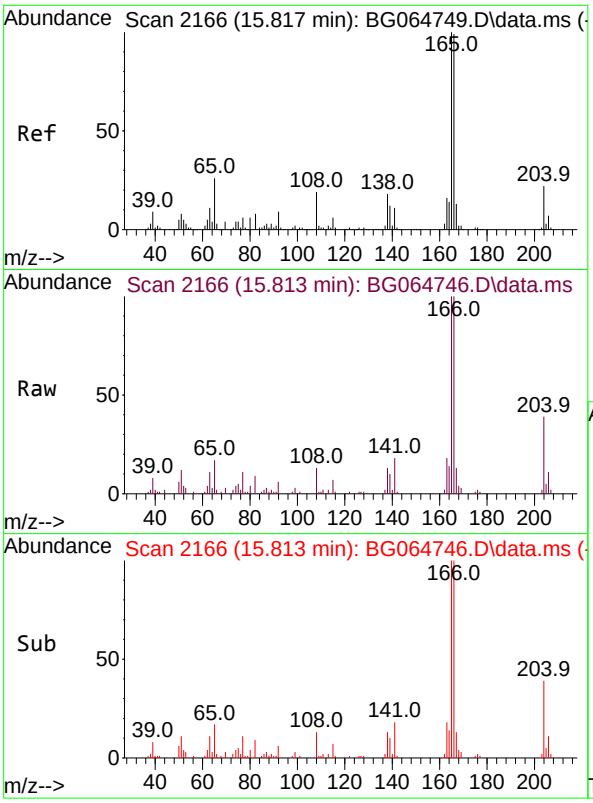


#57
2,4-Dinitrotoluene
Concen: 4.121 ng
RT: 15.114 min Scan# 2047
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:165 Resp: 8655

Ion	Ratio	Lower	Upper
165	100		
63	49.2	37.8	56.6
89	70.7	51.6	77.4
182	4.1	2.0	3.0#

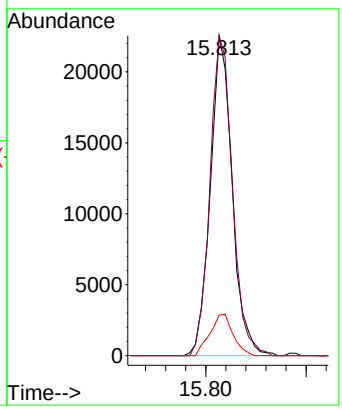




#58
Fluorene
Concen: 4.926 ng
RT: 15.813 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:166 Resp: 3411

Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.5	120.7
167	12.6	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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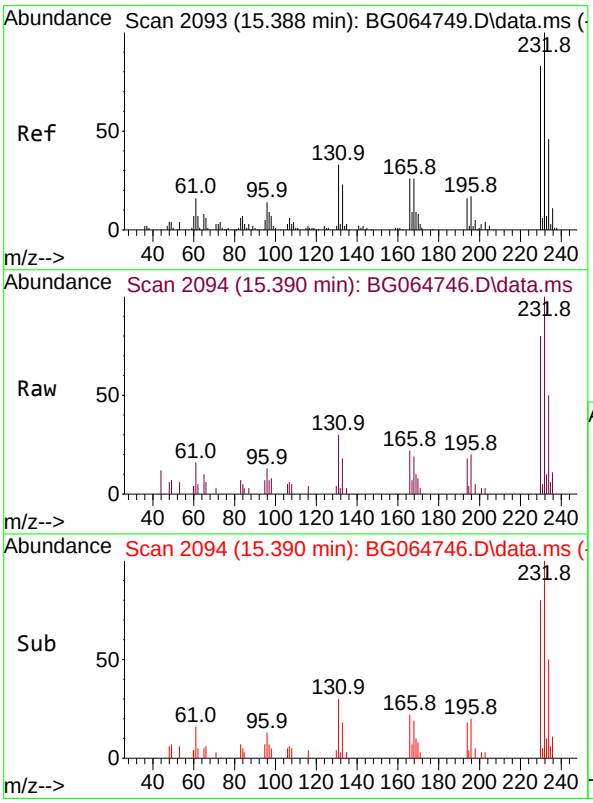
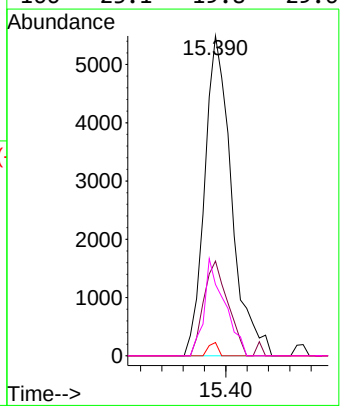
Supervised By :Sohil Jodhani 11/14/2025

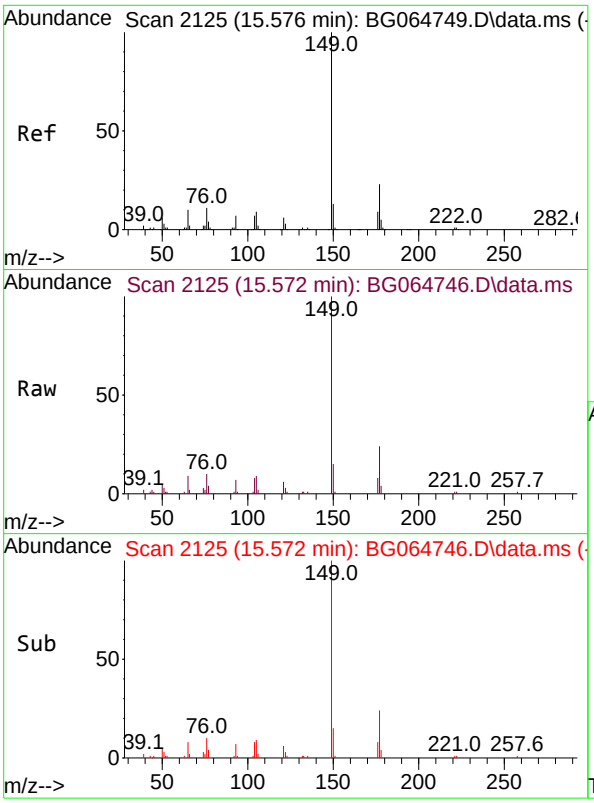


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.136 ng
RT: 15.390 min Scan# 2094
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:232 Resp: 9634

Ion	Ratio	Lower	Upper
232	100		
131	26.5	26.0	39.0
130	1.5	1.6	2.4#
166	23.1	19.8	29.6

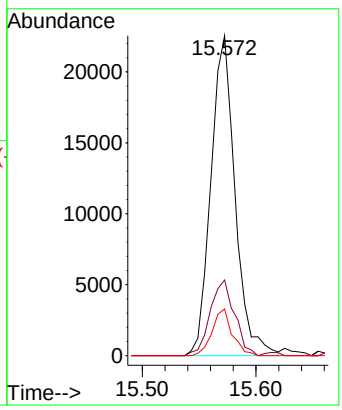




#60
Diethylphthalate
Concen: 4.767 ng
RT: 15.572 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 3324

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.4	27.6
150	14.6	10.1	15.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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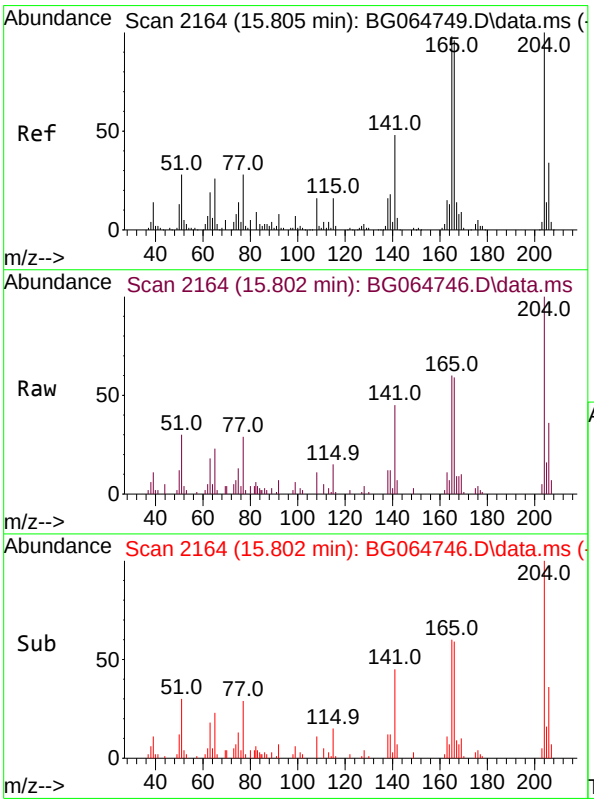
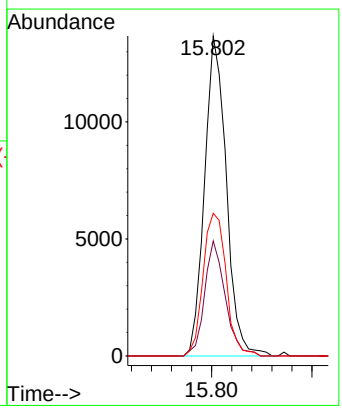
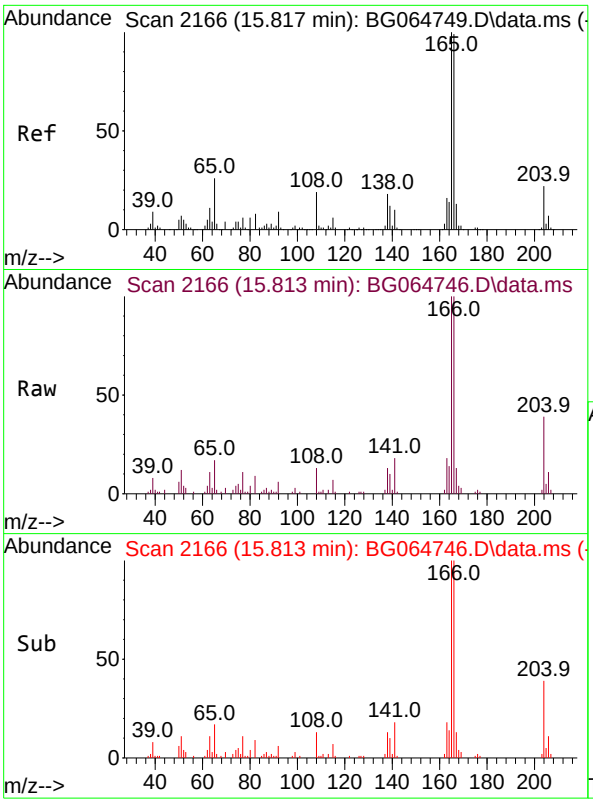


#61
4-Chlorophenyl-phenylether
Concen: 4.946 ng
RT: 15.802 min Scan# 2164
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:204 Resp: 20557

Ion	Ratio	Lower	Upper
204	100		
206	36.0	26.9	40.3
141	44.6	38.1	57.1

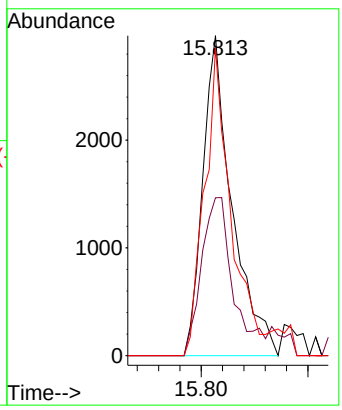




#62
4-Nitroaniline
Concen: 3.949 ng
RT: 15.813 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:138 Resp: 565

Ion	Ratio	Lower	Upper
138	100		
92	49.3	30.7	70.7
108	96.2	85.7	125.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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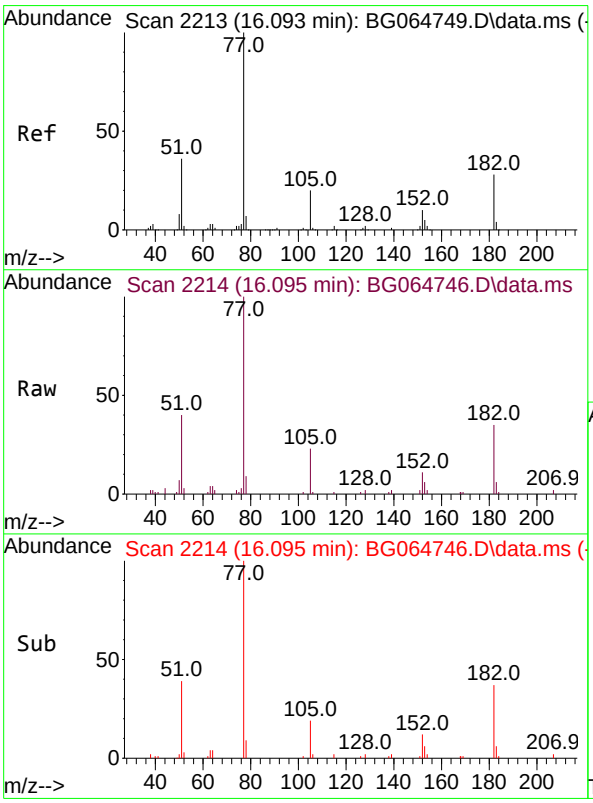
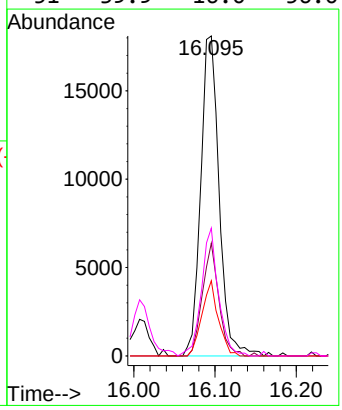
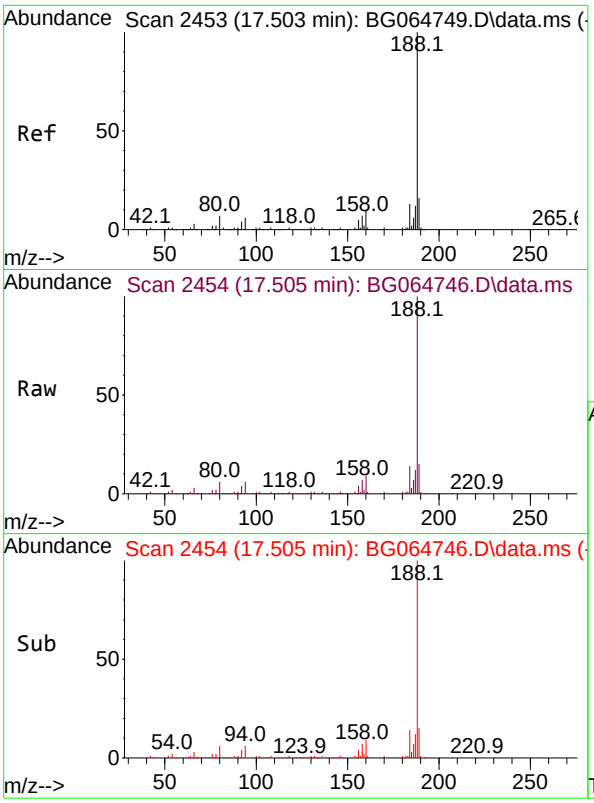


#63
Azobenzene
Concen: 4.940 ng
RT: 16.095 min Scan# 2214
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion: 77 Resp: 28653

Ion	Ratio	Lower	Upper
77	100		
182	35.2	8.1	48.1
105	23.5	0.1	40.1
51	39.9	16.0	56.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.505 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:188 Resp: 24388

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.4	5.4	8.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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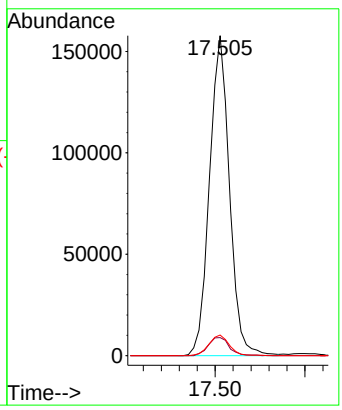
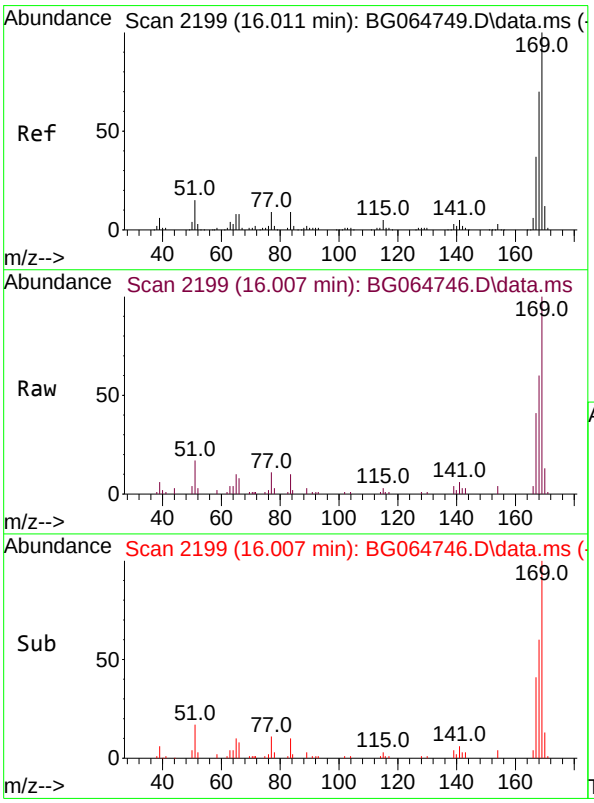
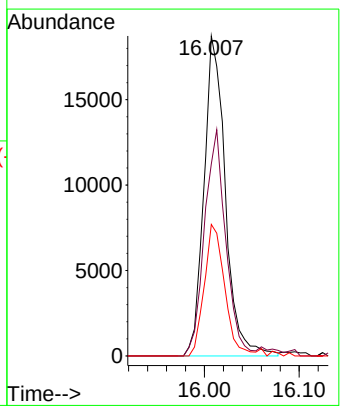


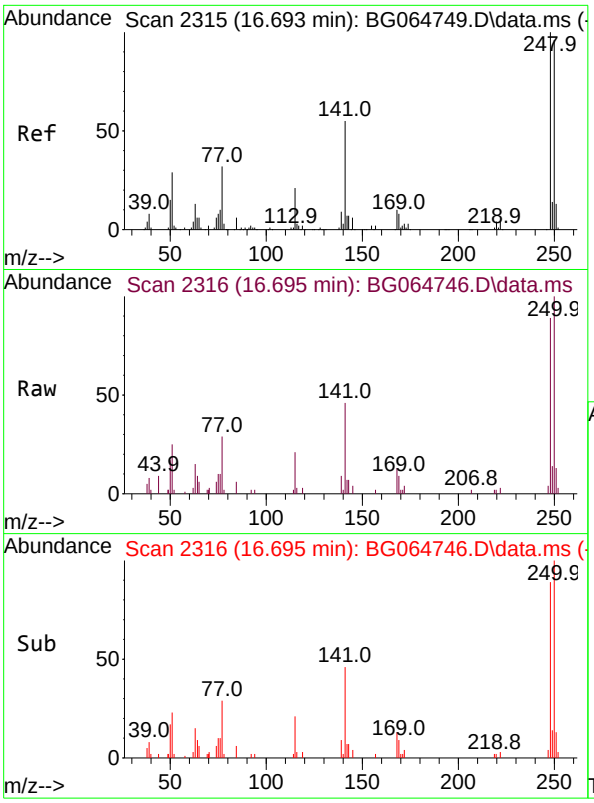


#66
n-Nitrosodiphenylamine
Concen: 4.609 ng
RT: 16.007 min Scan# 2199
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:169 Resp: 29441

Ion	Ratio	Lower	Upper
169	100		
168	60.0	55.9	83.9
167	41.1	29.8	44.6

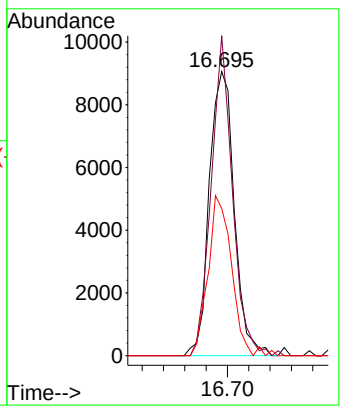




#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:248 Resp: 1472

Ion	Ratio	Lower	Upper
248	100		
250	112.7	77.0	115.6
141	51.8	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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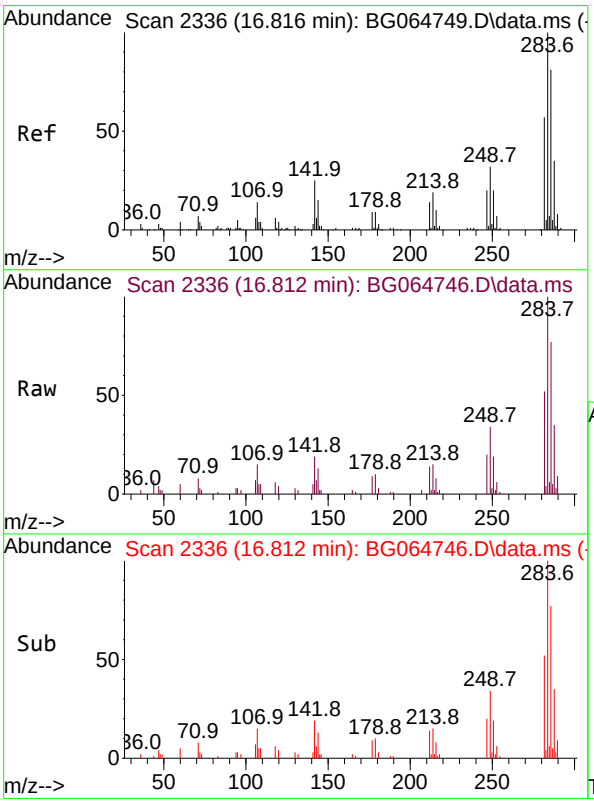
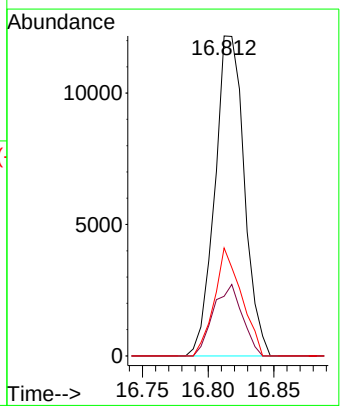
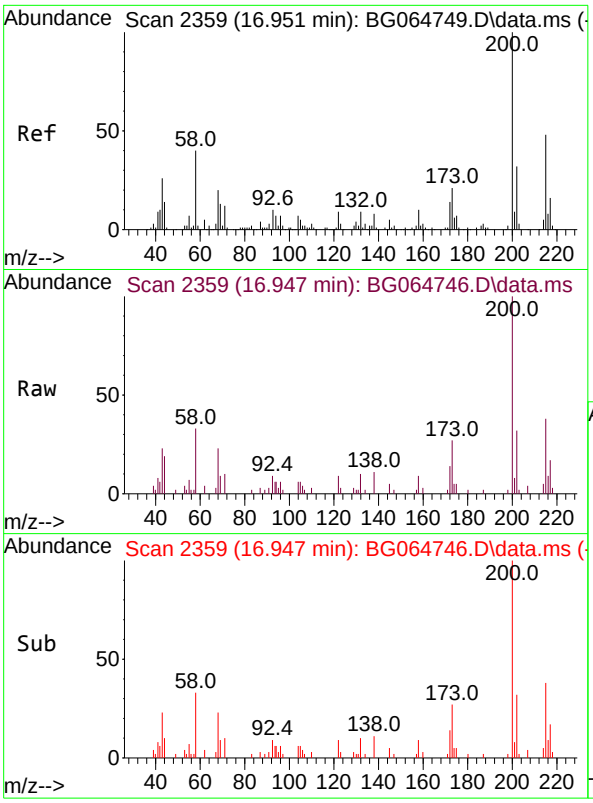


#68
Hexachlorobenzene
Concen: 4.900 ng
RT: 16.812 min Scan# 2336
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:284 Resp: 19015

Ion	Ratio	Lower	Upper
284	100		
142	18.6	19.7	29.5#
249	36.3	28.1	42.1

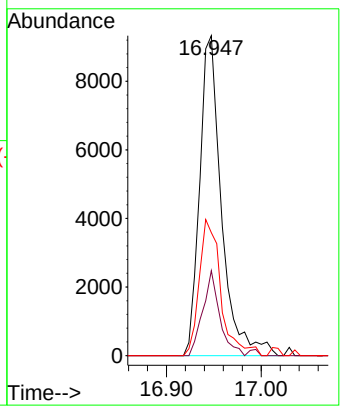




#69
Atrazine
Concen: 4.849 ng
RT: 16.947 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:200 Resp: 1493

Ion	Ratio	Lower	Upper
200	100		
173	26.5	0.9	40.9
215	38.4	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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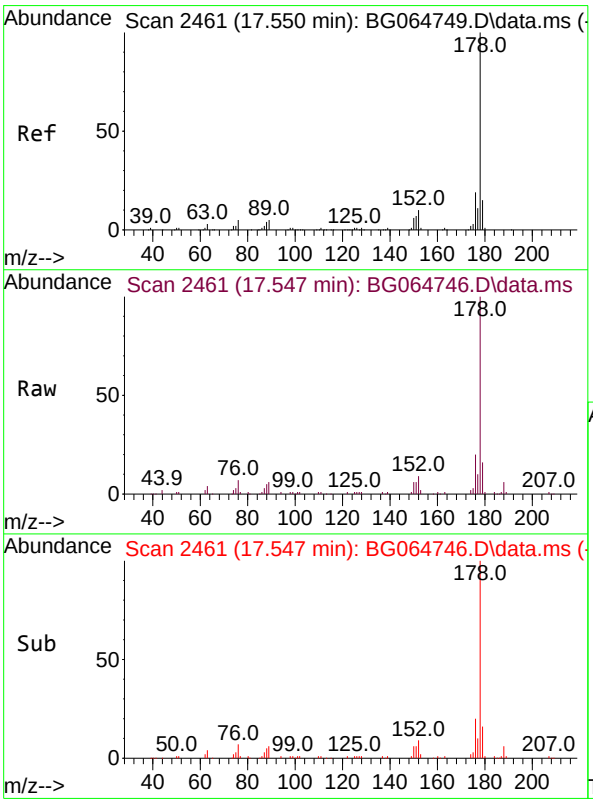
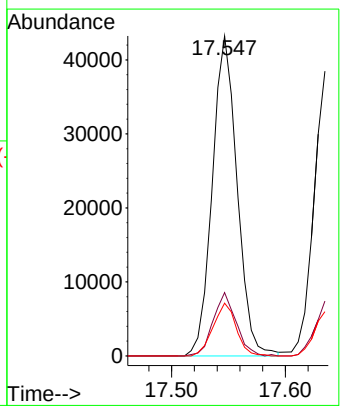
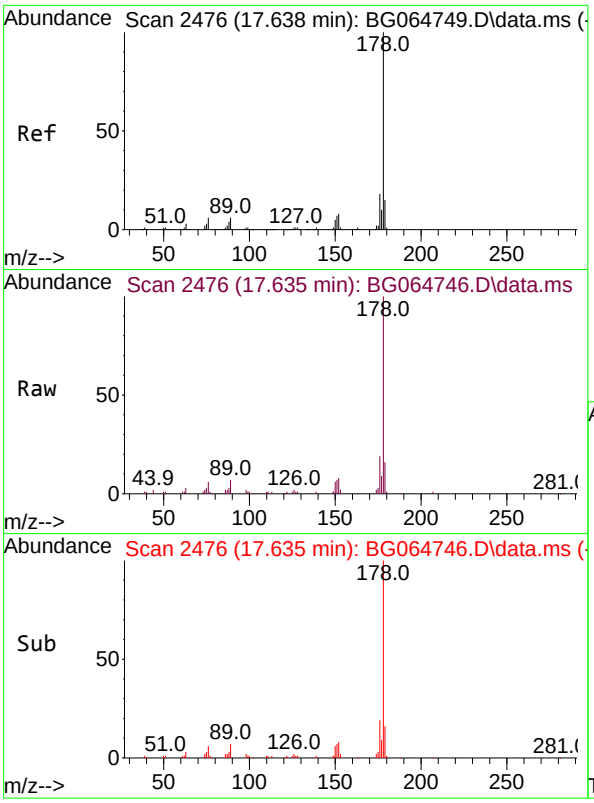


#71
Phenanthrene
Concen: 4.913 ng
RT: 17.547 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:178 Resp: 65553

Ion	Ratio	Lower	Upper
178	100		
176	19.8	14.8	22.2
179	16.5	12.2	18.4

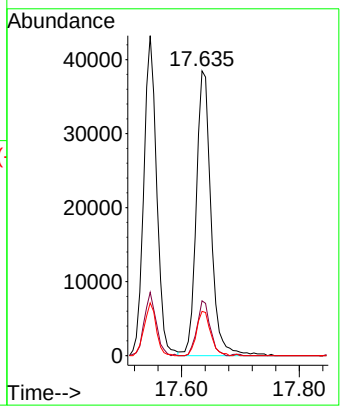




#72
Anthracene
Concen: 4.919 ng
RT: 17.635 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:178 Resp: 6692

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.5	21.7
179	15.5	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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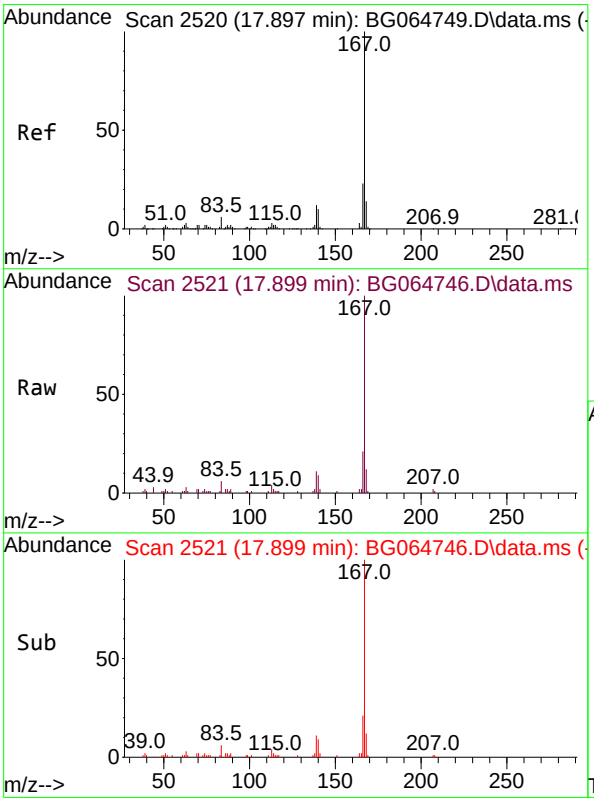
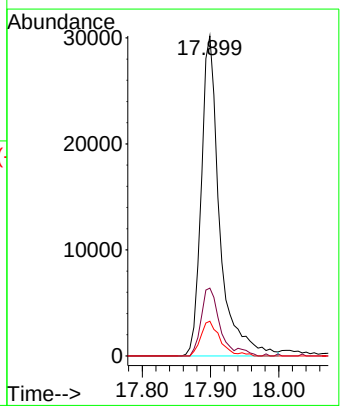
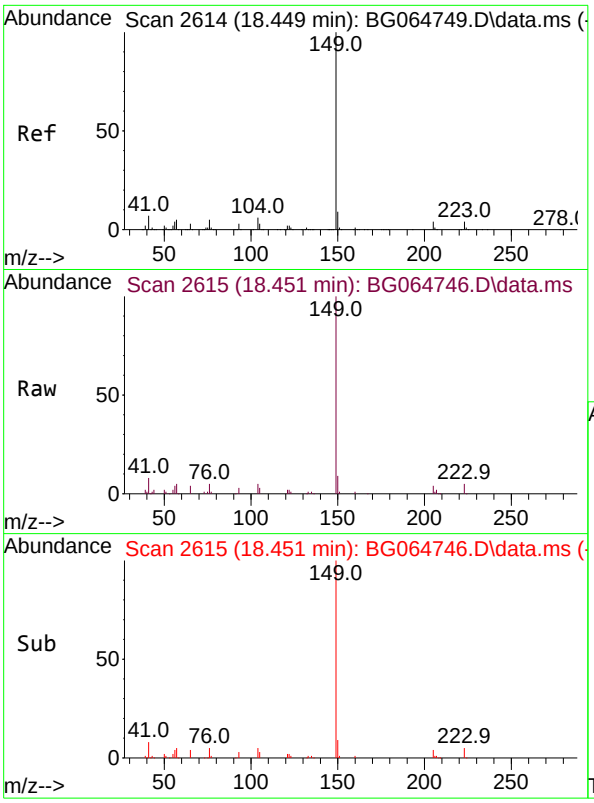


#73
Carbazole
Concen: 4.826 ng
RT: 17.899 min Scan# 2521
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:167 Resp: 56453

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	10.8	9.7	14.5

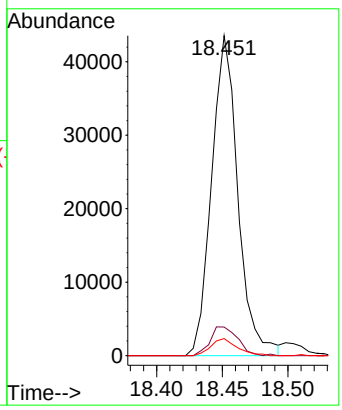




#74
Di-n-butylphthalate
Concen: 4.661 ng
RT: 18.451 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 6082

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	5.3	4.4	6.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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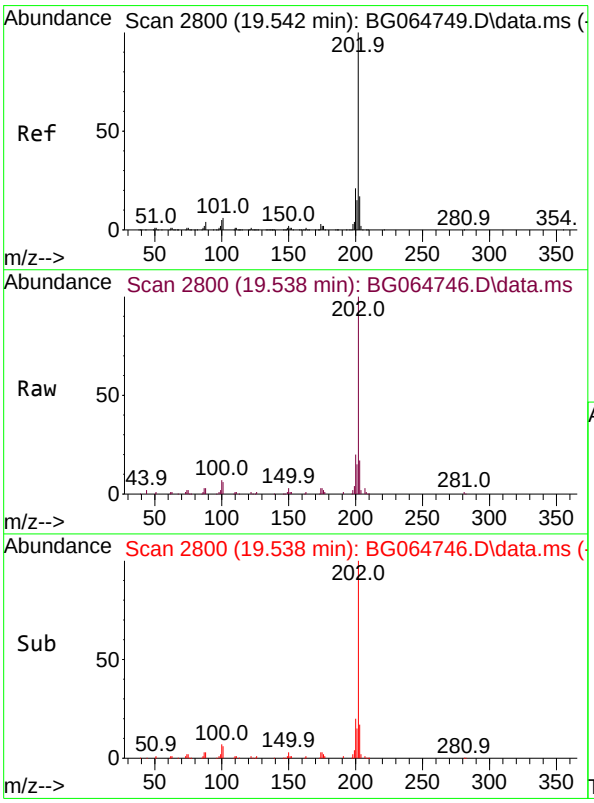
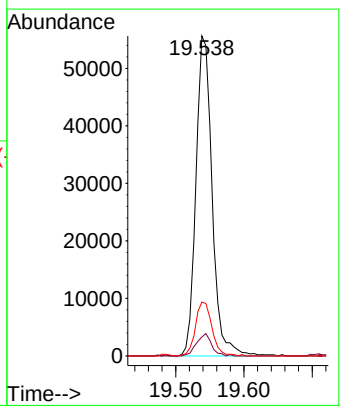
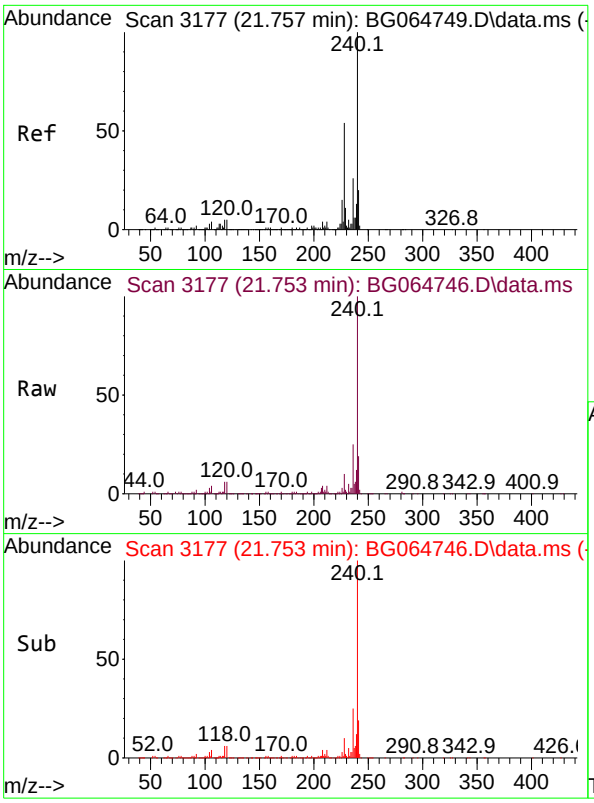


#75
Fluoranthene
Concen: 5.039 ng
RT: 19.538 min Scan# 2800
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:202 Resp: 91935

Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	26.4
203	16.8	0.0	37.5

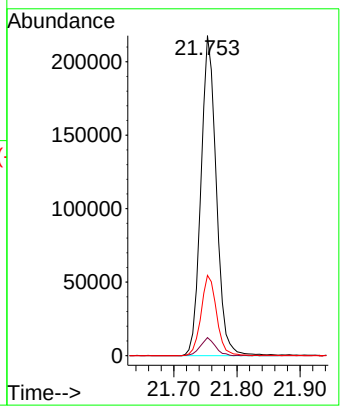




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.753 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:240 Resp: 36776

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.2	6.4
236	25.1	20.8	31.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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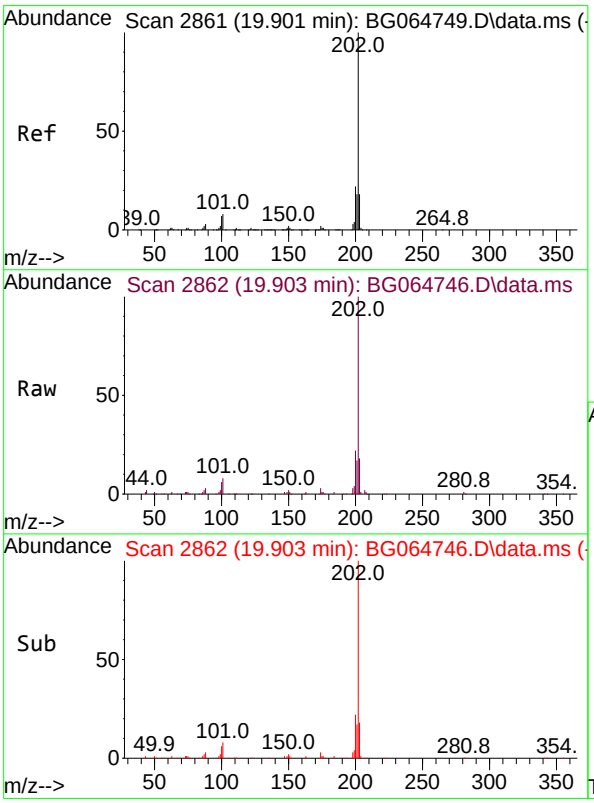
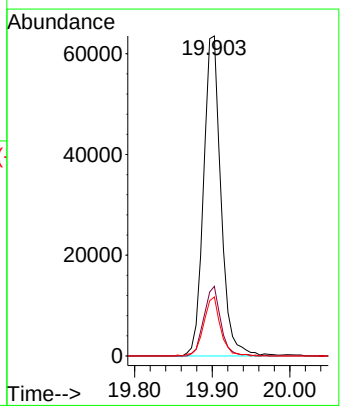
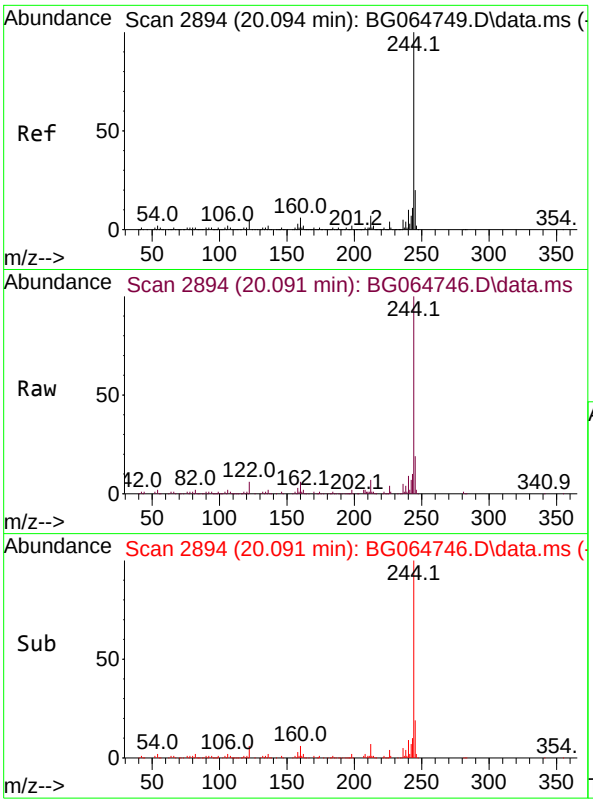


#78
Pyrene
Concen: 4.798 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:202 Resp: 98904

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.9	26.9
203	18.4	14.0	21.0

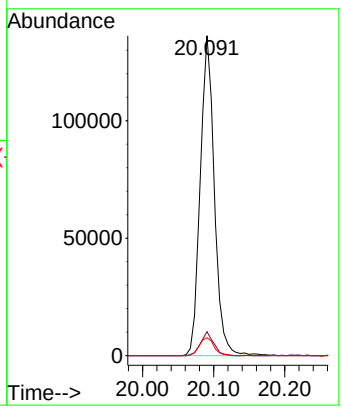




#79
Terphenyl-d14
Concen: 10.008 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:244 Resp: 187118

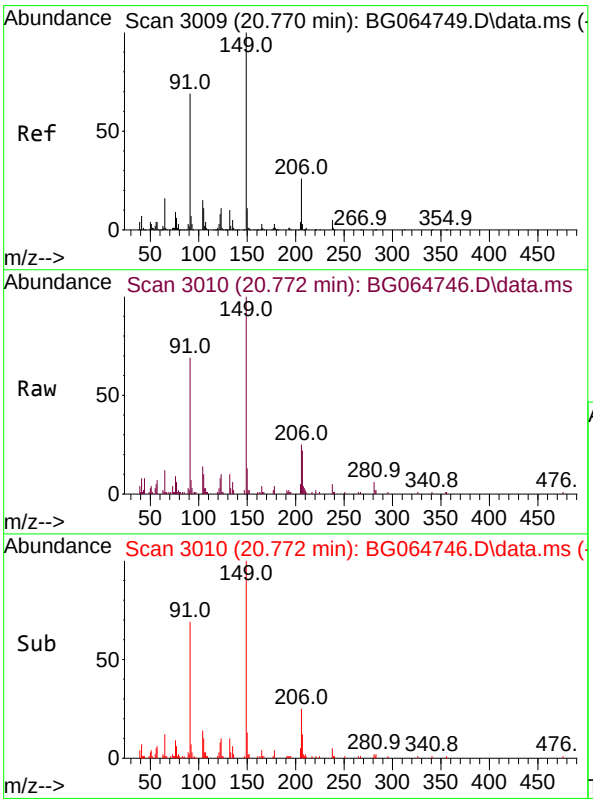
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	5.6	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

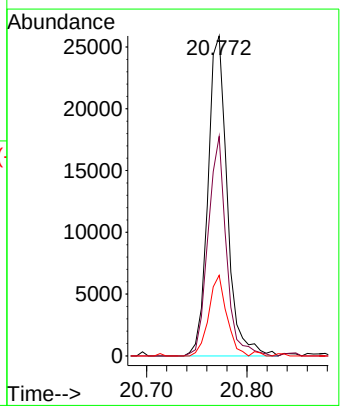
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

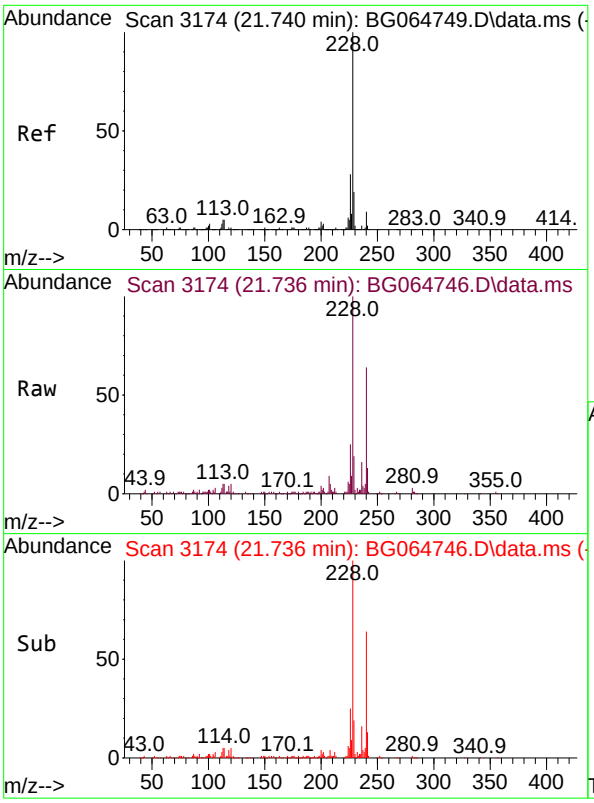


#80
Butylbenzylphthalate
Concen: 4.775 ng
RT: 20.772 min Scan# 3010
Delta R.T. 0.002 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:149 Resp: 34617

Ion	Ratio	Lower	Upper
149	100		
91	68.6	54.9	82.3
206	25.2	21.2	31.8

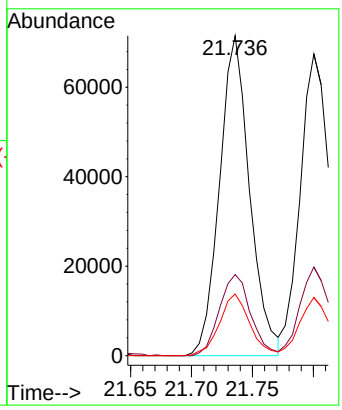




#81
Benzo(a)anthracene
Concen: 4.919 ng
RT: 21.736 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:228 Resp: 12300

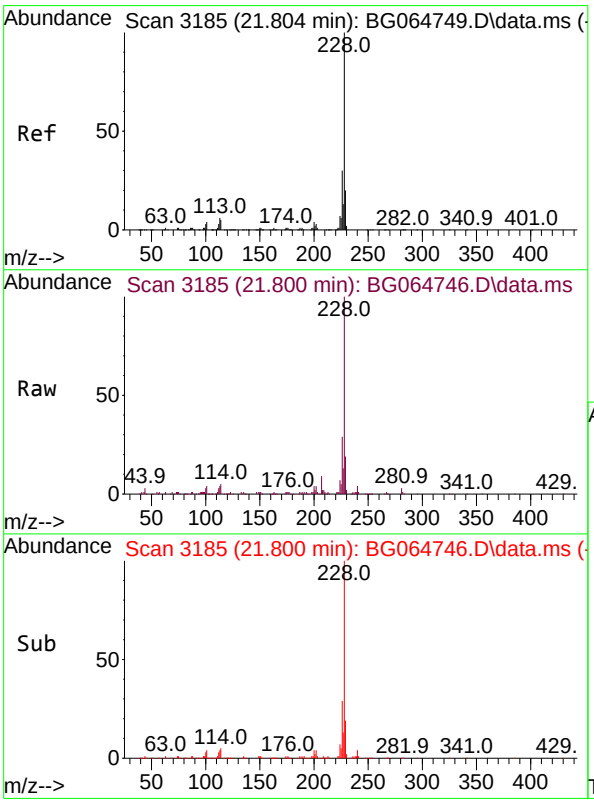
Ion	Ratio	Lower	Upper
228	100		
226	25.3	22.1	33.1
229	19.2	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

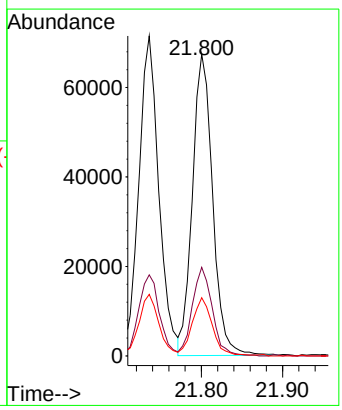
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

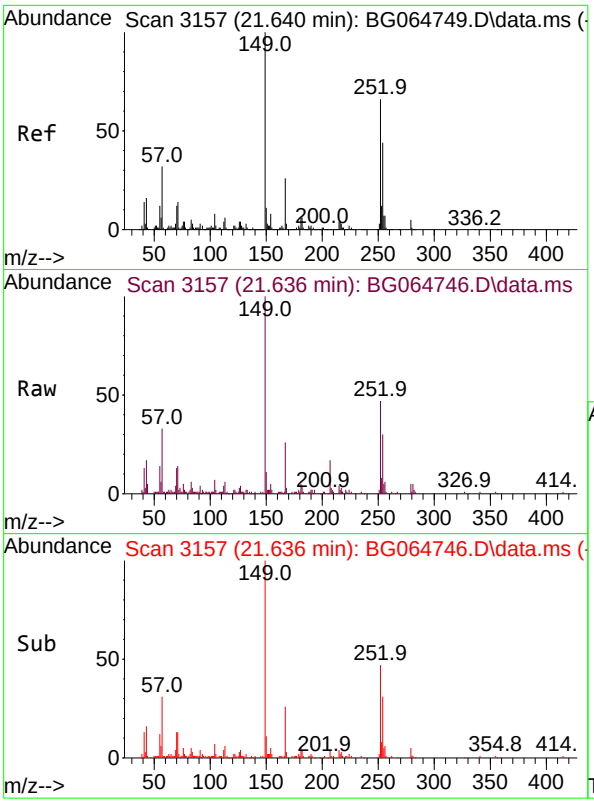


#83
Chrysene
Concen: 4.937 ng
RT: 21.800 min Scan# 3185
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:228 Resp: 116400

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.2
229	19.3	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.050 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

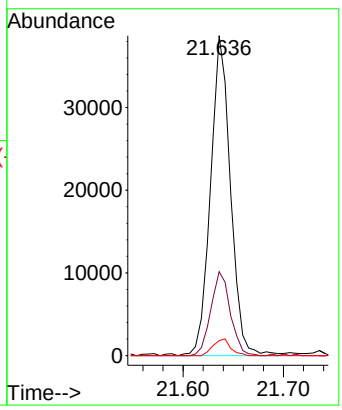
Tgt Ion:149 Resp: 5349

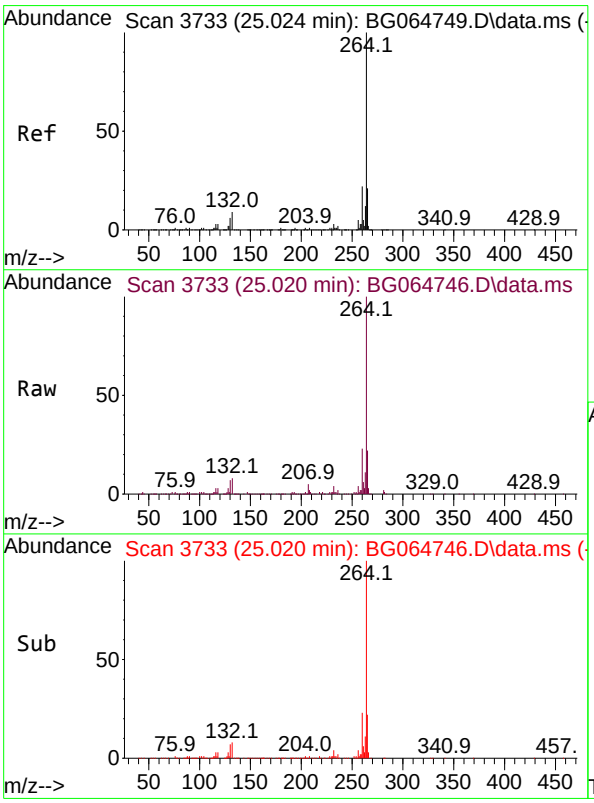
Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	4.7	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

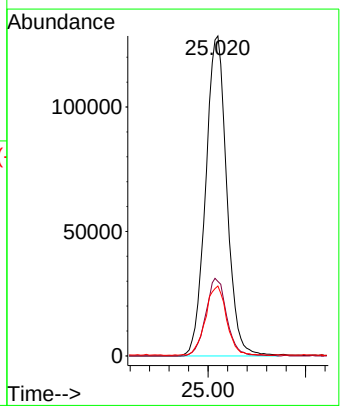


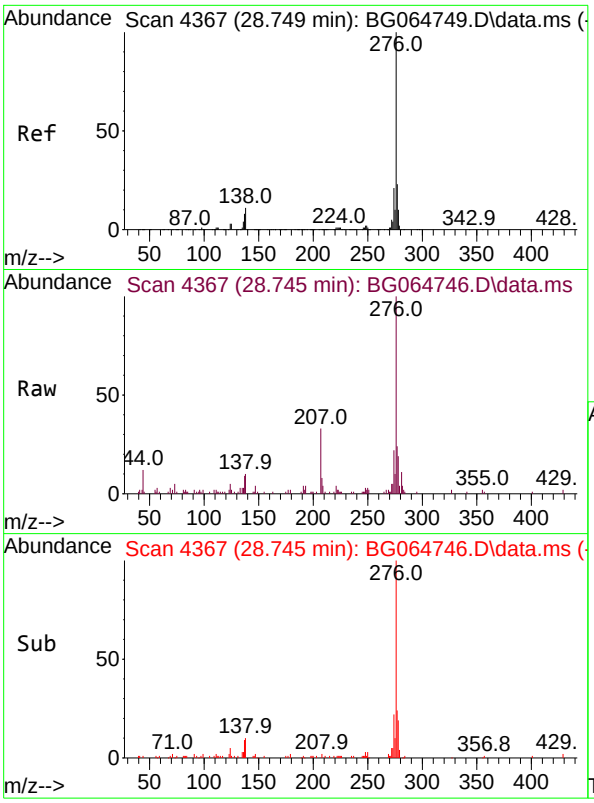


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.020 min Scan# 3733
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:264 Resp: 386937

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.2	25.8
265	21.8	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.593 ng
RT: 28.745 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

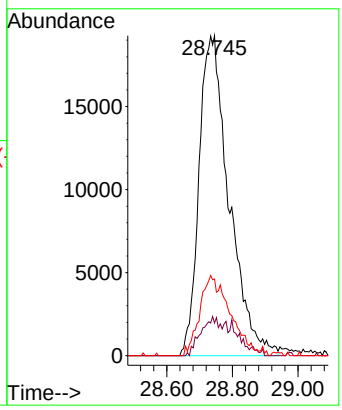
Tgt Ion:276 Resp: 12209

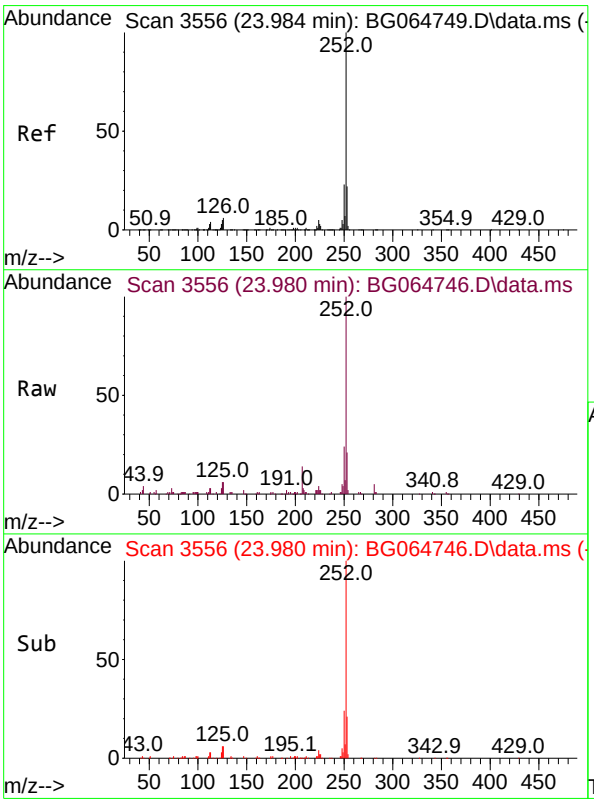
Ion	Ratio	Lower	Upper
276	100		
138	7.8	4.5	6.7
277	25.3	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

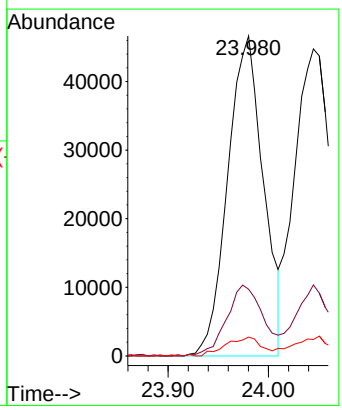


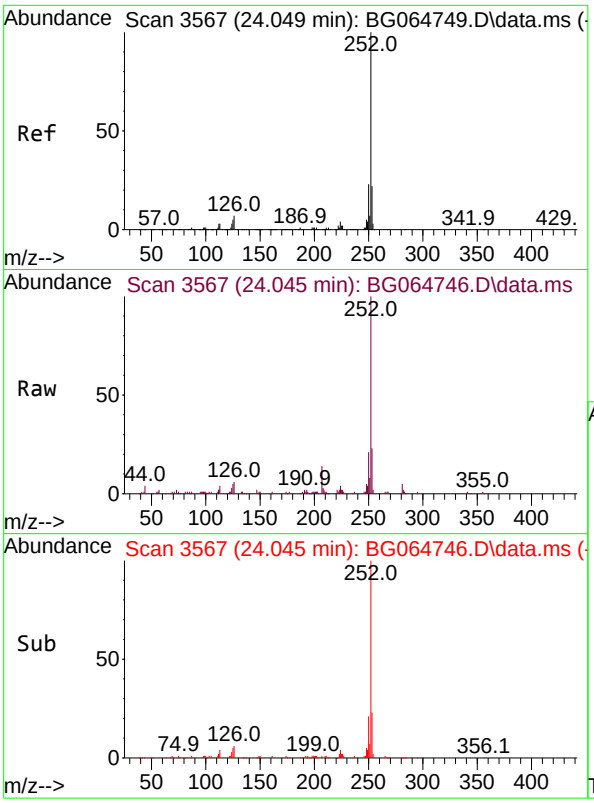


#88
Benzo(b)fluoranthene
Concen: 4.673 ng
RT: 23.980 min Scan# 3556
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 115075

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	5.9	4.2	6.2

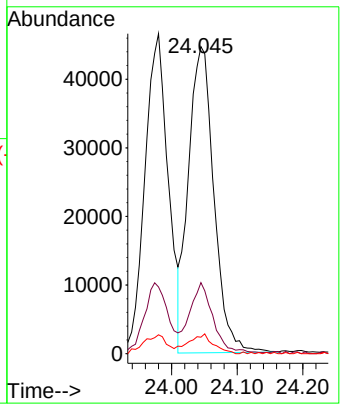




#89
Benzo(k)fluoranthene
Concen: 4.867 ng
RT: 24.045 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 12041

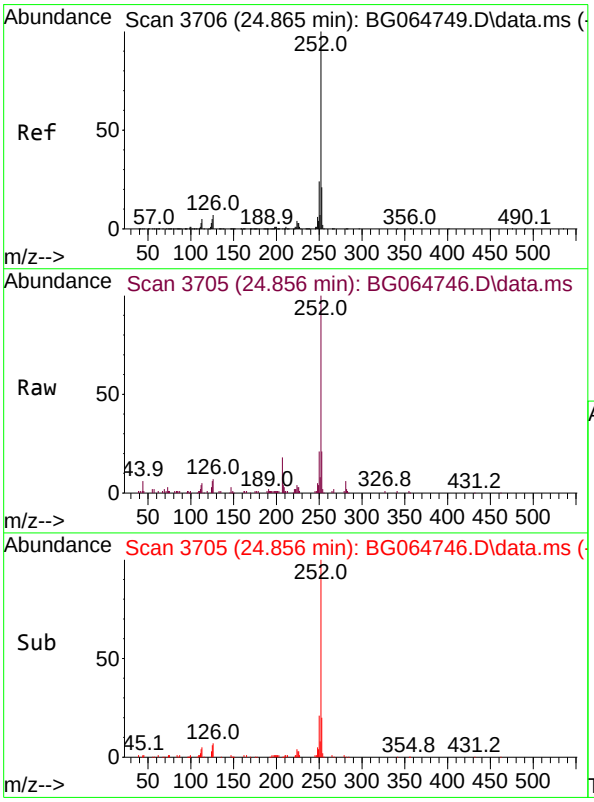
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	5.4	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

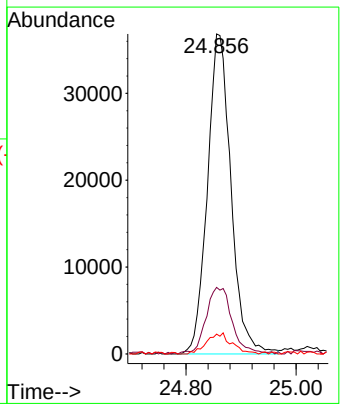
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

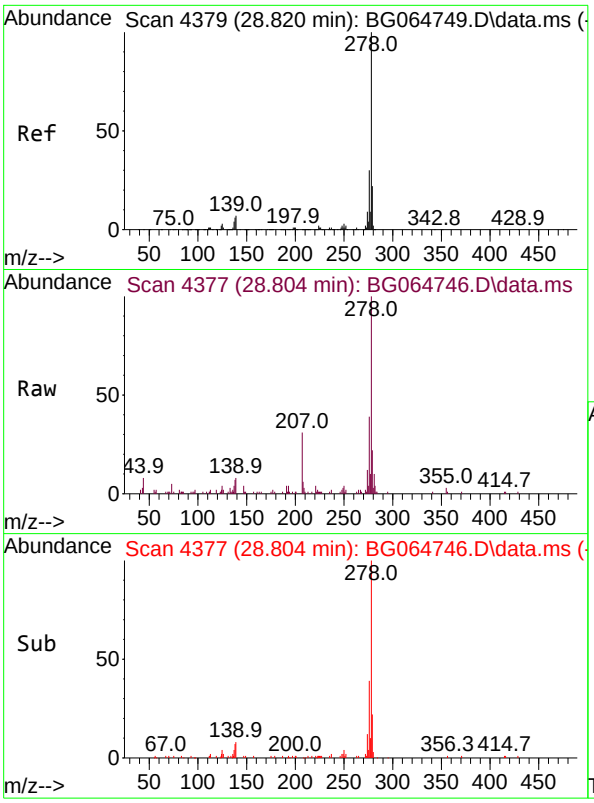


#90
Benzo(a)pyrene
Concen: 4.788 ng
RT: 24.856 min Scan# 3705
Delta R.T. -0.010 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:252 Resp: 109366

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.9	25.3
125	6.2	4.2	6.4





#91
Dibenzo(a,h)anthracene
Concen: 4.556 ng
RT: 28.804 min Scan# 4
Delta R.T. -0.016 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

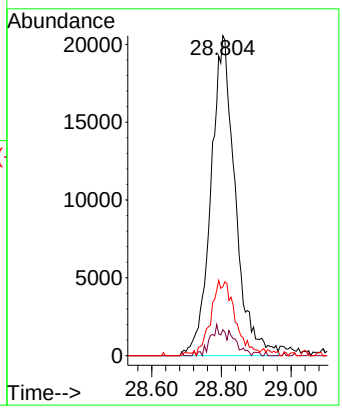
Tgt Ion:278 Resp: 9921

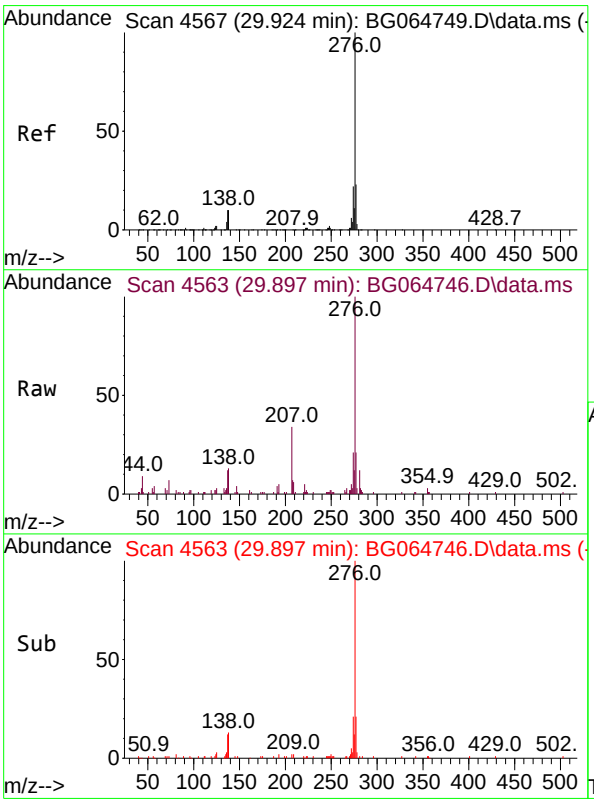
Ion	Ratio	Lower	Upper
278	100		
139	8.1	5.8	8.8
279	21.5	17.3	25.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

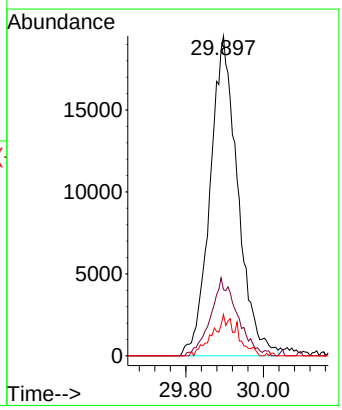




#92
Benzo(g,h,i)perylene
Concen: 4.615 ng
RT: 29.897 min Scan# 4563
Delta R.T. -0.027 min
Lab File: BG064746.D
Acq: 12 Nov 2025 11:58

Tgt Ion:276 Resp: 96719

Ion	Ratio	Lower	Upper
276	100		
277	20.7	18.0	27.0
138	12.9	8.2	12.2#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.164	152	28063	20.000	ng		0.00
21) Naphthalene-d8	10.985	136	110132	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	90796	20.000	ng		0.00
64) Phenanthrene-d10	17.506	188	239033	20.000	ng		0.00
76) Chrysene-d12	21.754	240	366018	20.000	ng		0.00
86) Perylene-d12	25.021	264	382667	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	31652	19.695	ng		0.00
7) Phenol-d6	7.307	99	41135	19.245	ng		0.00
23) Nitrobenzene-d5	9.328	82	41577	18.666	ng		0.00
42) 2,4,6-Tribromophenol	16.249	330	34875	19.694	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	131226	20.167	ng		0.00
79) Terphenyl-d14	20.092	244	376175	20.217	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	6388	10.268	ng		97
3) Pyridine	3.946	79	18201	9.819	ng		92
4) n-Nitrosodimethylamine	3.852	42	9221	9.773	ng	#	98
6) Aniline	7.477	93	28080	9.856	ng		98
8) 2-Chlorophenol	7.730	128	17126	9.705	ng		94
9) Benzaldehyde	7.295	77	14410	10.299	ng		96
10) Phenol	7.330	94	22227	9.557	ng		94
11) bis(2-Chloroethyl)ether	7.571	93	16009	9.674	ng		96
12) 1,3-Dichlorobenzene	8.059	146	19968	9.834	ng		98
13) 1,4-Dichlorobenzene	8.206	146	20506	9.918	ng		98
14) 1,2-Dichlorobenzene	8.523	146	19237	9.596	ng		96
15) Benzyl Alcohol	8.394	79	14805	8.438	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.687	45	39228	10.014	ng		96
17) 2-Methylphenol	8.599	107	16118	9.795	ng		97
18) Hexachloroethane	9.263	117	7708	9.843	ng		98
19) n-Nitroso-di-n-propyla...	8.969	70	14240	9.853	ng		94
20) 3+4-Methylphenols	8.928	107	20773	9.215	ng		97
22) Acetophenone	8.987	105	29535	9.843	ng		93
24) Nitrobenzene	9.369	77	21900	9.730	ng		99
25) Isophorone	9.898	82	41875	9.872	ng		96
26) 2-Nitrophenol	10.086	139	9640	9.523	ng		95
27) 2,4-Dimethylphenol	10.139	122	16597	9.228	ng		93
28) bis(2-Chloroethoxy)met...	10.368	93	23070	9.907	ng		97
29) 2,4-Dichlorophenol	10.626	162	18228	9.440	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	22952	9.844	ng		99
31) Naphthalene	11.032	128	64016	10.254	ng		98
32) Benzoic acid	10.233	122	7448m	10.914	ng		
33) 4-Chloroaniline	11.132	127	24891	9.967	ng		97
34) Hexachlorobutadiene	11.325	225	19432	9.713	ng		97
35) Caprolactam	11.878	113	4958	8.592	ng	#	92
36) 4-Chloro-3-methylphenol	12.236	107	21366	9.942	ng		95
37) 2-Methylnaphthalene	12.624	142	46349	9.921	ng		97
38) 1-Methylnaphthalene	12.841	142	46327m	9.982	ng		
40) 1,2,4,5-Tetrachloroben...	12.988	216	33859	9.582	ng		96
41) Hexachlorocyclopentadiene	12.971	237	21693	8.565	ng		91
43) 2,4,6-Trichlorophenol	13.217	196	19600	9.451	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	20868	8.972	ng		93
46) 1,1'-Biphenyl	13.617	154	64329	9.864	ng		97
47) 2-Chloronaphthalene	13.664	162	50487	9.827	ng		98
48) 2-Nitroaniline	13.852	65	15648	9.469	ng		87
49) Acenaphthylene	14.498	152	87532	9.973	ng		99
50) Dimethylphthalate	14.216	163	71209	9.928	ng		97
51) 2,6-Dinitrotoluene	14.334	165	12760	9.246	ng		92
52) Acenaphthene	14.839	154	50131	9.526	ng		98
53) 3-Nitroaniline	14.663	138	12586	9.240	ng		87
54) 2,4-Dinitrophenol	14.874	184	2717	11.149	ng	#	84
55) Dibenzofuran	15.168	168	90369	10.387	ng		97
56) 4-Nitrophenol	14.951	139	8225	7.611	ng	#	83
57) 2,4-Dinitrotoluene	15.115	165	19317	9.336	ng		95
58) Fluorene	15.814	166	71244	10.441	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.391	232	21790	9.495	ng	#	97
60) Diethylphthalate	15.568	149	69072	10.053	ng		97
61) 4-Chlorophenyl-phenyle...	15.803	204	42098	10.280	ng		98
62) 4-Nitroaniline	15.814	138	13078	9.268	ng		95
63) Azobenzene	16.090	77	58632	10.260	ng		98
65) 4,6-Dinitro-2-methylph...	15.873	198	8710	6.563	ng		92
66) n-Nitrosodiphenylamine	16.014	169	63405	10.127	ng		96
67) 4-Bromophenyl-phenylether	16.696	248	31456	10.021	ng		96
68) Hexachlorobenzene	16.813	284	37251	9.795	ng		93
69) Atrazine	16.948	200	30006	9.940	ng		96
70) Pentachlorophenol	17.154	266	10561	10.475	ng		95
71) Phenanthrene	17.548	178	133643	10.219	ng		99
72) Anthracene	17.636	178	134138	10.059	ng		99
73) Carbazole	17.900	167	117923	10.286	ng		99
74) Di-n-butylphthalate	18.452	149	132248	10.340	ng		99
75) Fluoranthene	19.539	202	186154	10.409	ng		99
77) Benzidine	19.710	184	123305	11.249	ng		96
78) Pyrene	19.898	202	199370	9.719	ng		97
80) Butylbenzylphthalate	20.773	149	71488	9.908	ng		95
81) Benzo(a)anthracene	21.737	228	250849	10.079	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	91769	10.018	ng		100
83) Chrysene	21.801	228	236517	10.080	ng		99
84) Bis(2-ethylhexyl)phtha...	21.637	149	106405	10.092	ng		97
85) Di-n-octyl phthalate	22.865	149	181658	9.967	ng		99
87) Indeno(1,2,3-cd)pyrene	28.740	276	253326	9.636	ng	#	98
88) Benzo(b)fluoranthene	23.981	252	239260	9.825	ng		99
89) Benzo(k)fluoranthene	24.046	252	248008	10.137	ng		100
90) Benzo(a)pyrene	24.863	252	224991	9.960	ng		98
91) Dibenzo(a,h)anthracene	28.805	278	208966	9.702	ng	#	96
92) Benzo(g,h,i)perylene	29.904	276	199793	9.639	ng	#	96

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

ICAL Form

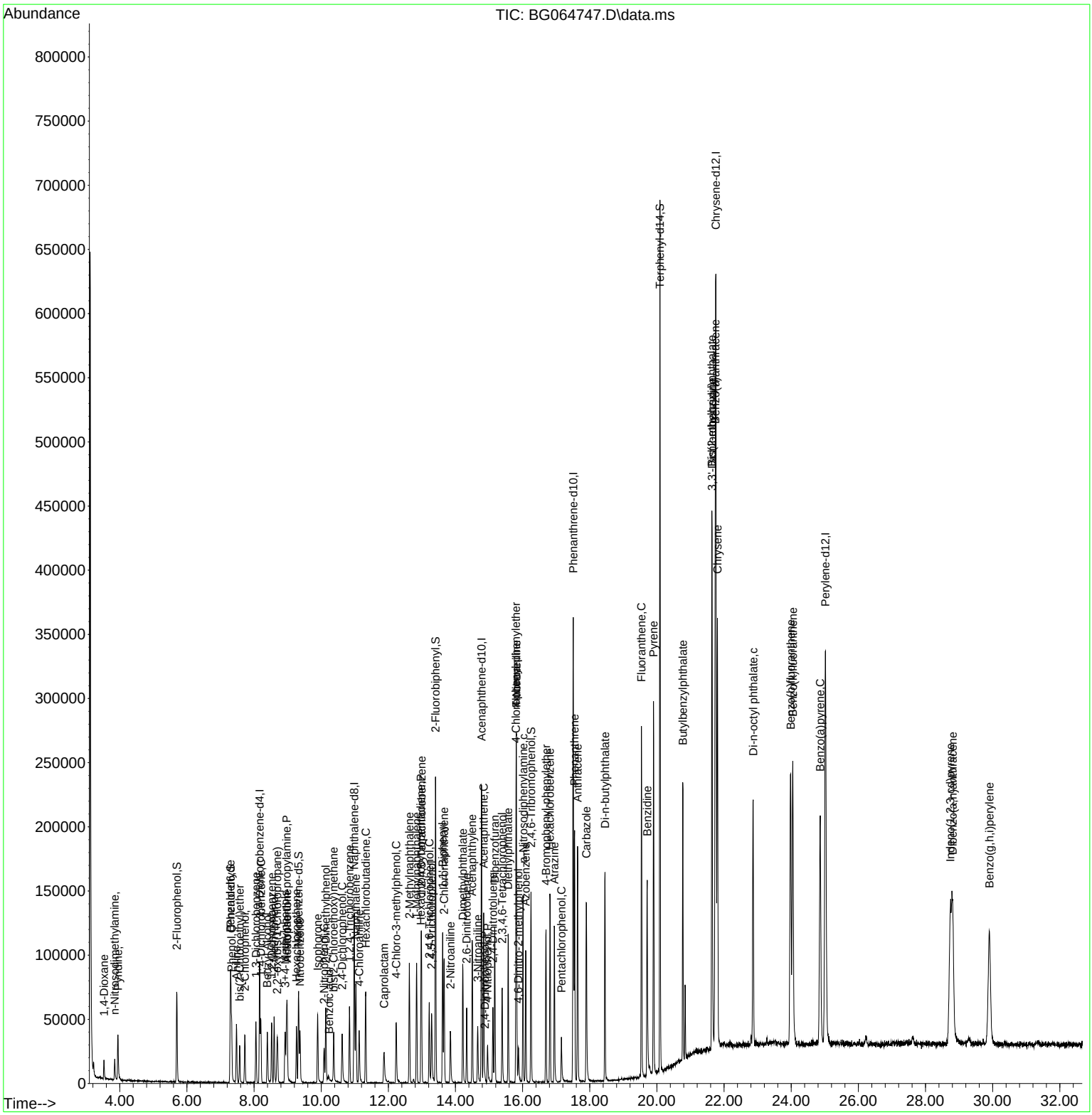
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064747.D
Acq On : 12 Nov 2025 12:39
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

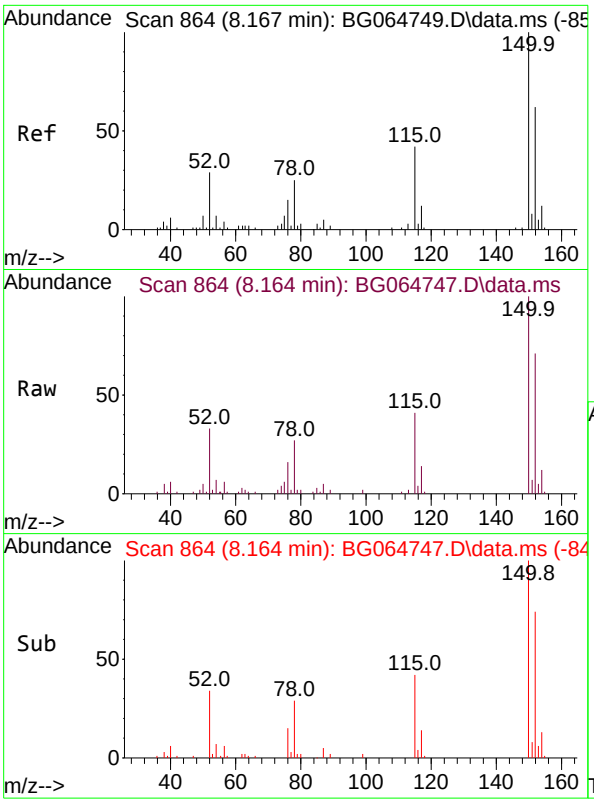
Quant Time: Nov 12 16:55:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

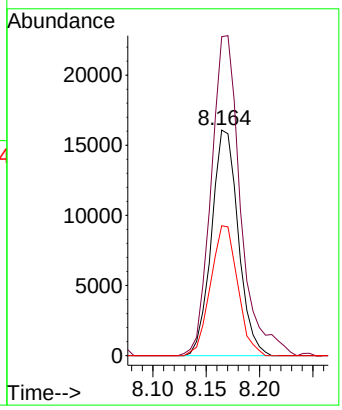




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:152 Resp: 2806

Ion	Ratio	Lower	Upper
152	100		
150	141.4	129.2	193.8
115	57.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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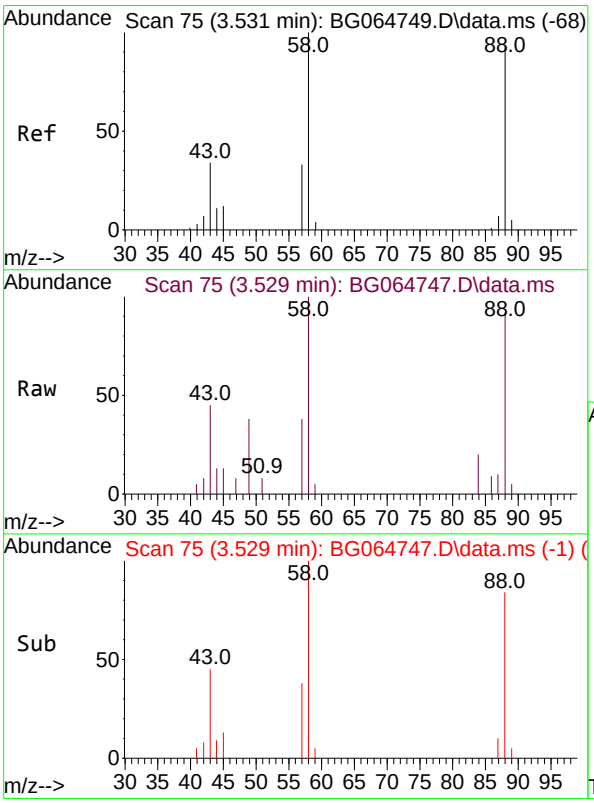
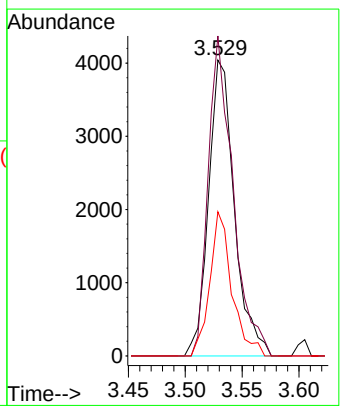
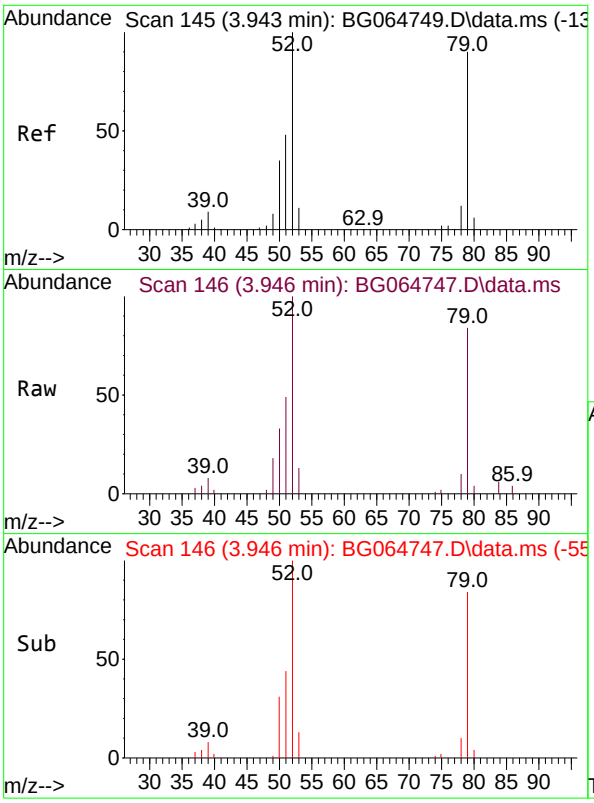


#2
1,4-Dioxane
Concen: 10.268 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 88 Resp: 6388

Ion	Ratio	Lower	Upper
88	100		
58	103.7	84.6	126.8
43	41.7	30.0	45.0





#3
Pyridine
Concen: 9.819 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 79 Resp: 1820

Ion	Ratio	Lower	Upper
79	100		
52	119.7	89.0	133.4
51	59.2	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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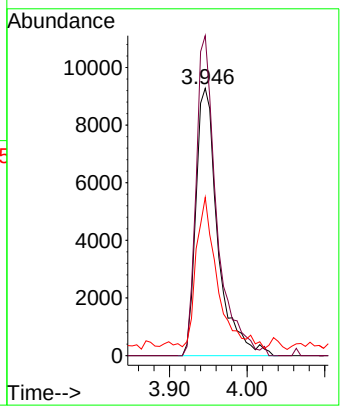
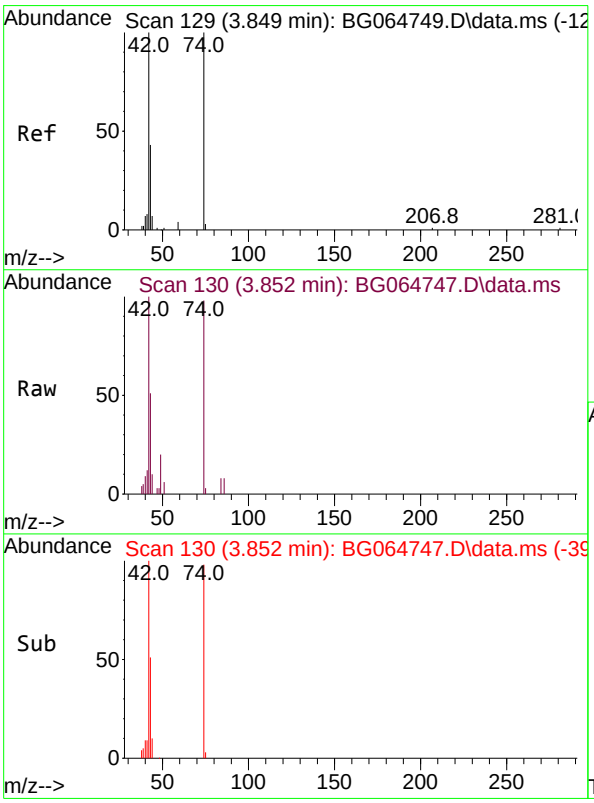
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

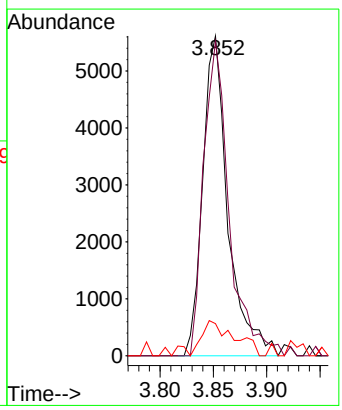


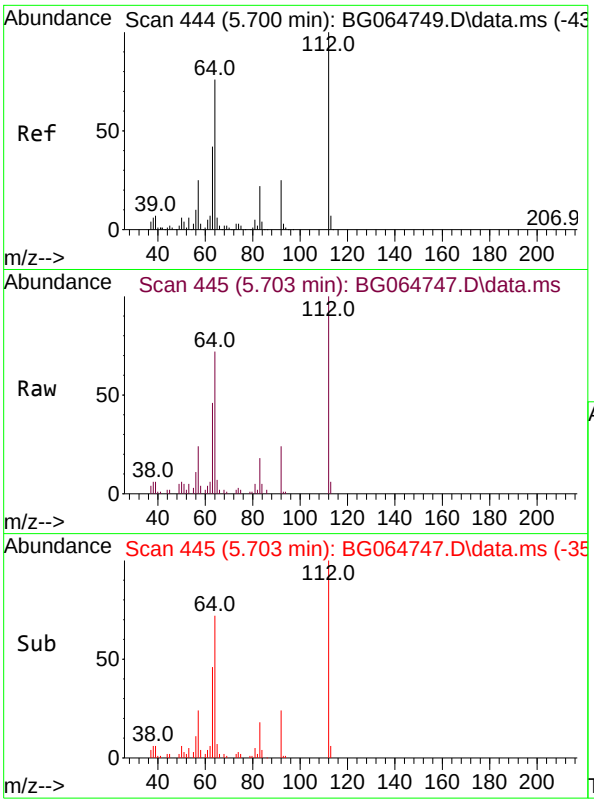


#4
n-Nitrosodimethylamine
Concen: 9.773 ng
RT: 3.852 min Scan# 130
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 42 Resp: 9221

Ion	Ratio	Lower	Upper
42	100		
74	98.3	79.8	119.6
44	10.1	5.9	8.9#





#5
2-Fluorophenol
Concen: 19.695 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:112 Resp: 3165

Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	45.6	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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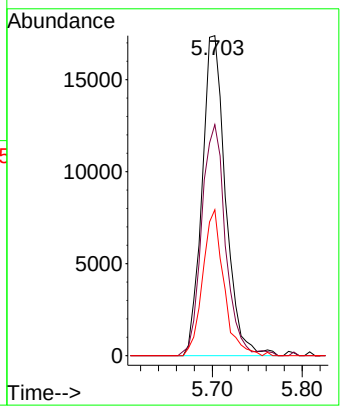
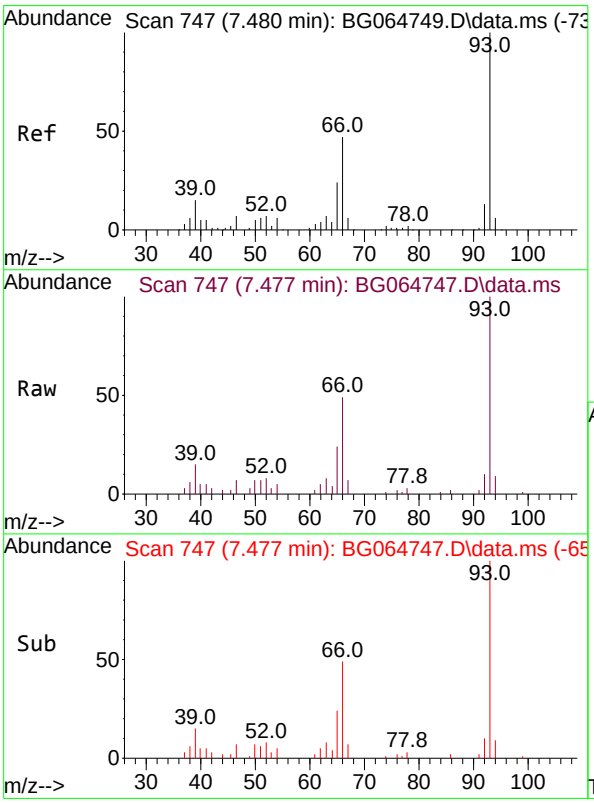
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

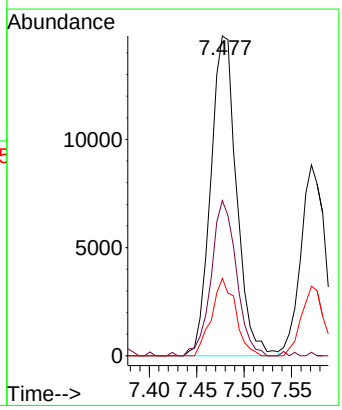


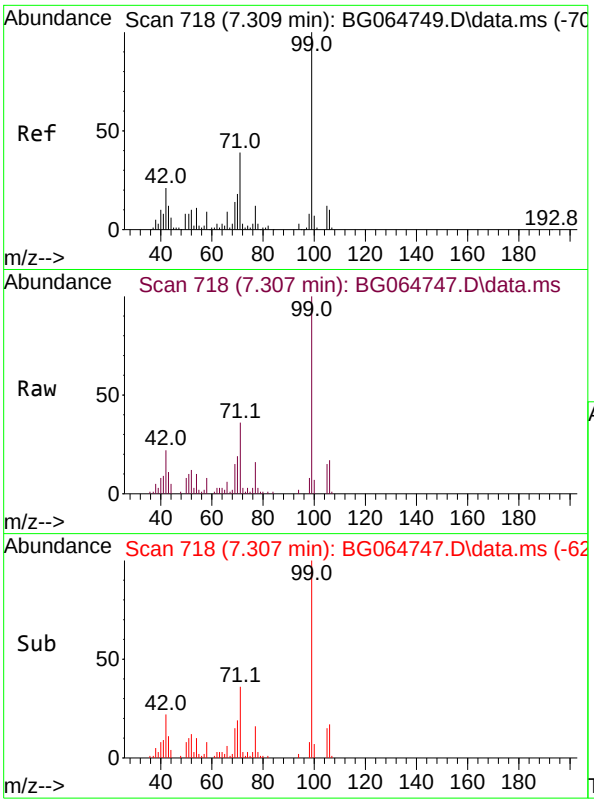


#6
Aniline
Concen: 9.856 ng
RT: 7.477 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 28080

Ion	Ratio	Lower	Upper
93	100		
66	48.5	37.7	56.5
65	24.2	19.1	28.7

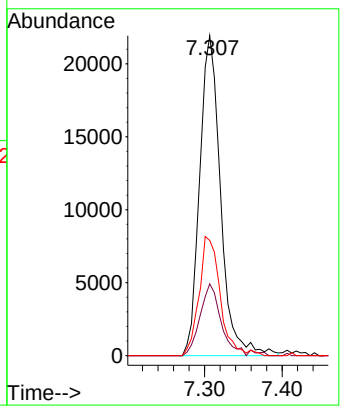




#7
Phenol-d6
Concen: 19.245 ng
RT: 7.307 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 99 Resp: 4113

Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	36.0	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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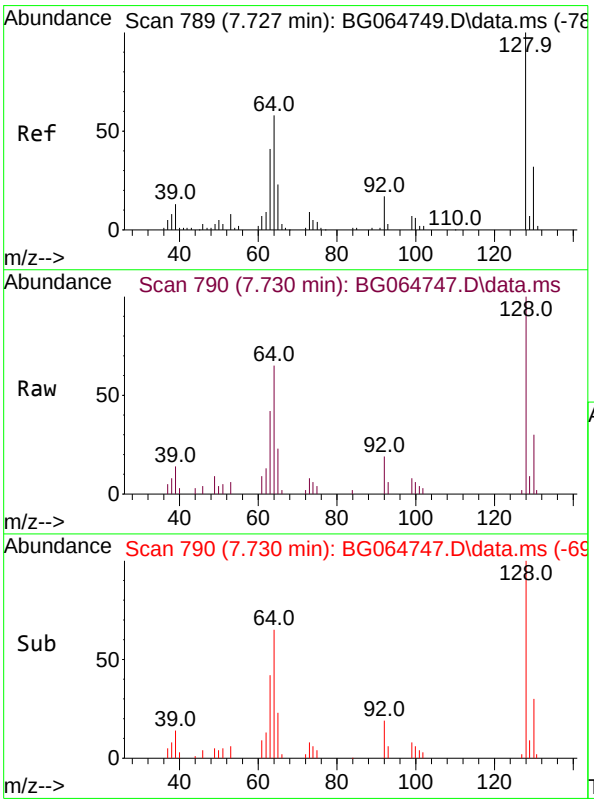
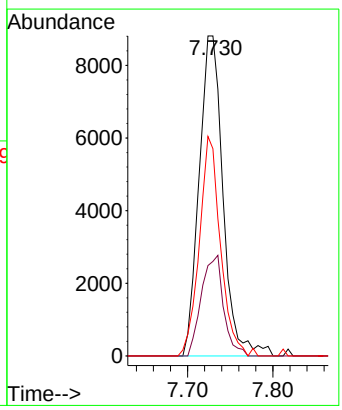
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

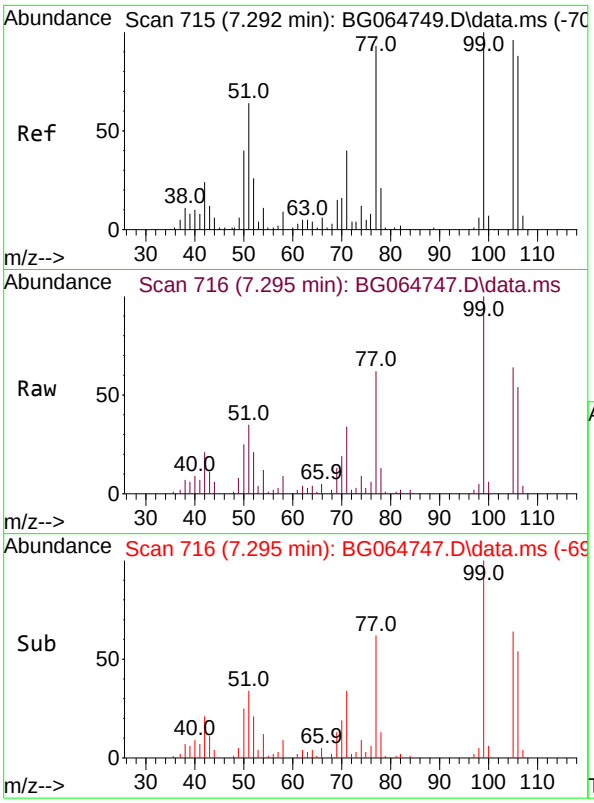


#8
2-Chlorophenol
Concen: 9.705 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:128 Resp: 17126

Ion	Ratio	Lower	Upper
128	100		
130	31.3	11.9	51.9
64	64.7	38.4	78.4

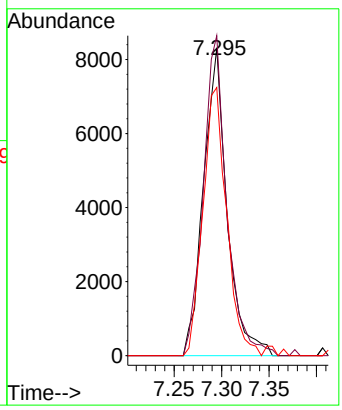




#9
Benzaldehyde
Concen: 10.299 ng
RT: 7.295 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 1441

Ion	Ratio	Lower	Upper
77	100		
105	104.0	83.8	123.8
106	87.1	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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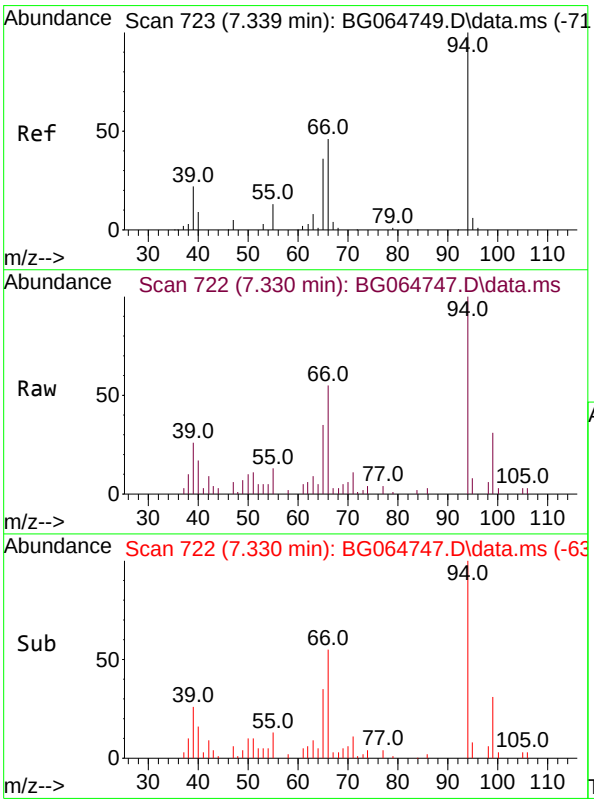
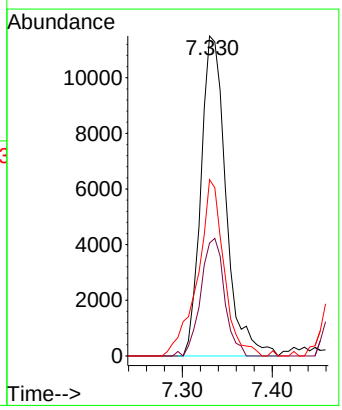
Supervised By :Sohil Jodhani 11/14/2025

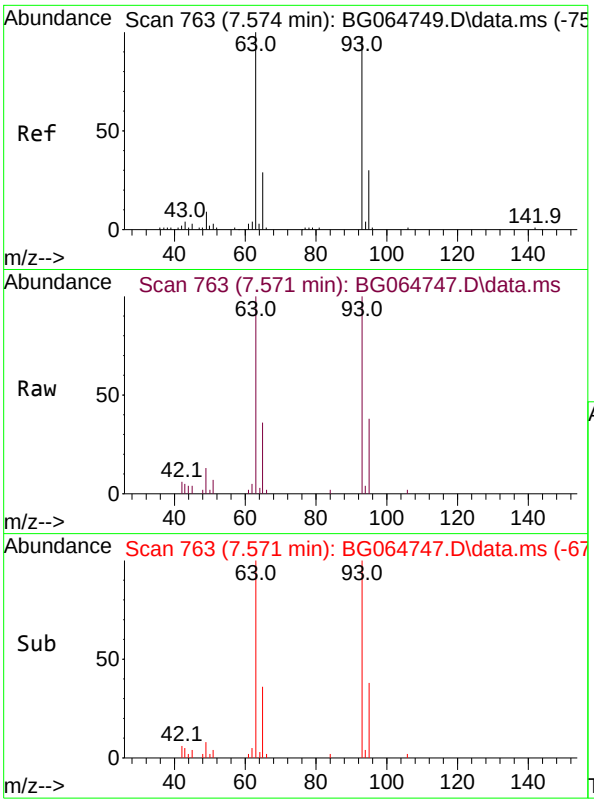


#10
Phenol
Concen: 9.557 ng
RT: 7.330 min Scan# 722
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 94 Resp: 22227

Ion	Ratio	Lower	Upper
94	100		
65	35.3	17.0	57.0
66	55.1	29.8	69.8

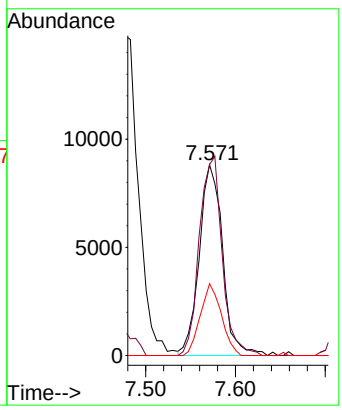




#11
bis(2-Chloroethyl)ether
Concen: 9.674 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 1600

Ion	Ratio	Lower	Upper
93	100		
63	100.0	81.8	121.8
95	37.7	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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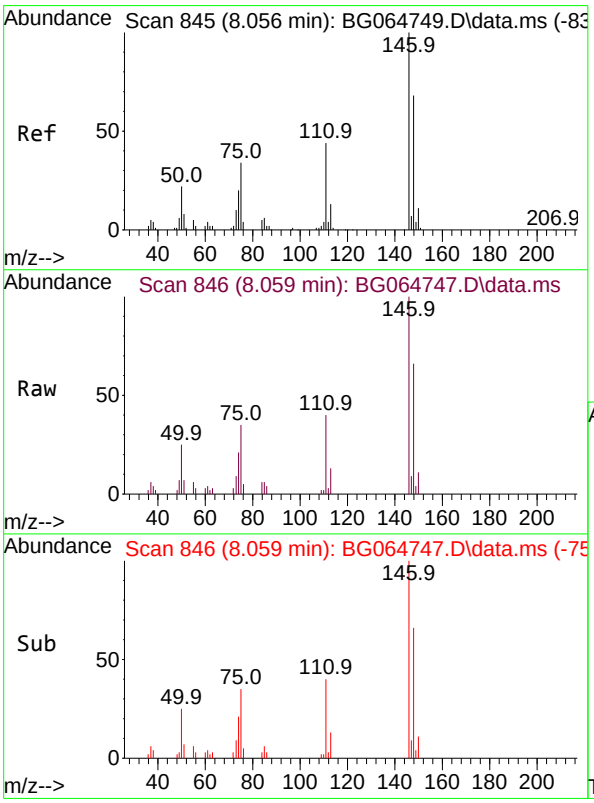
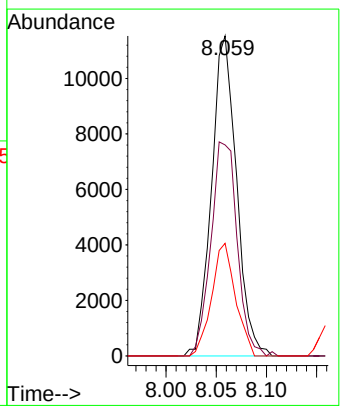
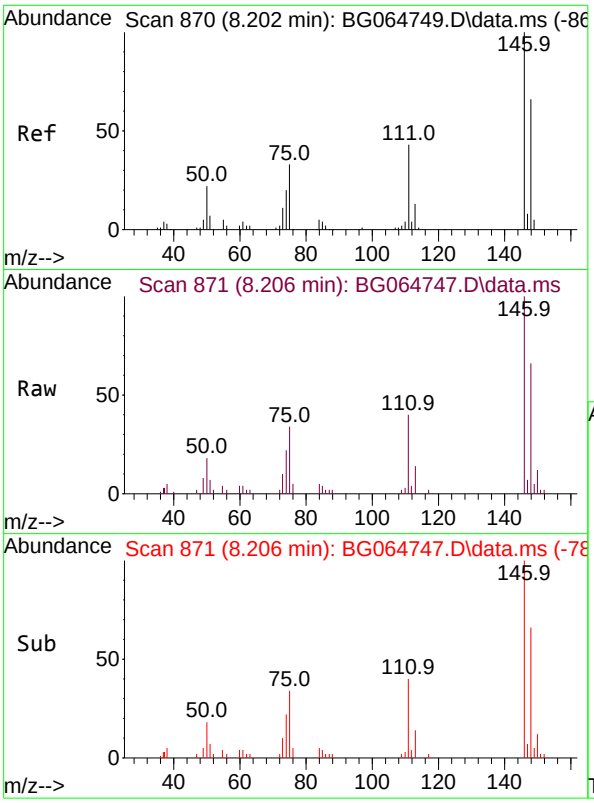


#12
1,3-Dichlorobenzene
Concen: 9.834 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 19968

Ion	Ratio	Lower	Upper
146	100		
148	65.9	54.6	82.0
75	35.2	27.6	41.4

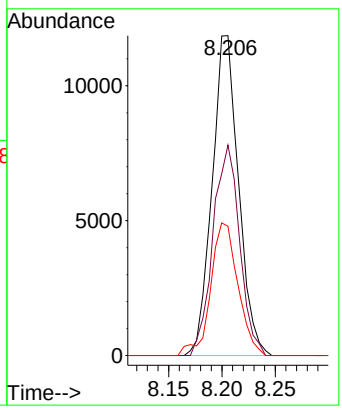




#13
1,4-Dichlorobenzene
Concen: 9.918 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 2050

Ion	Ratio	Lower	Upper
146	100		
148	65.8	53.1	79.7
111	40.4	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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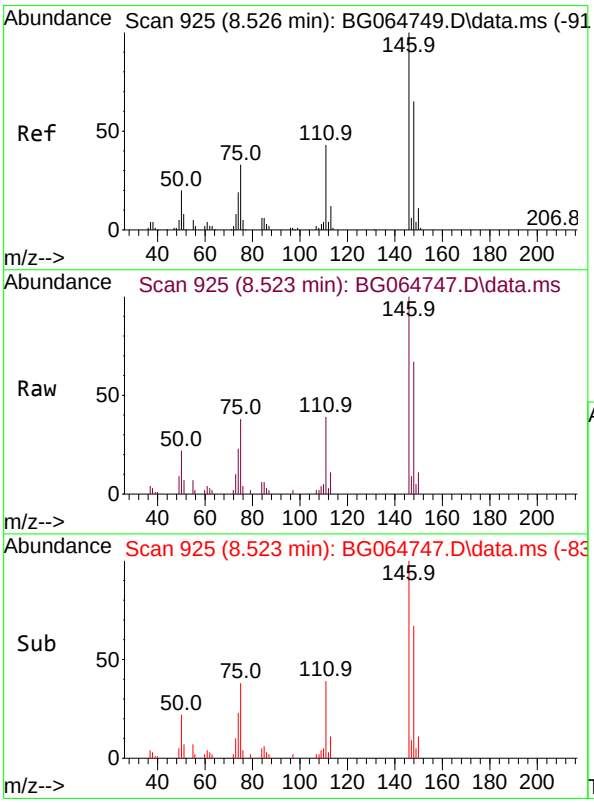
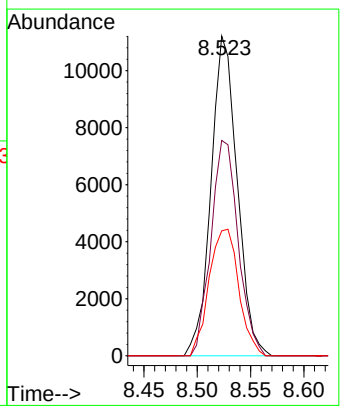
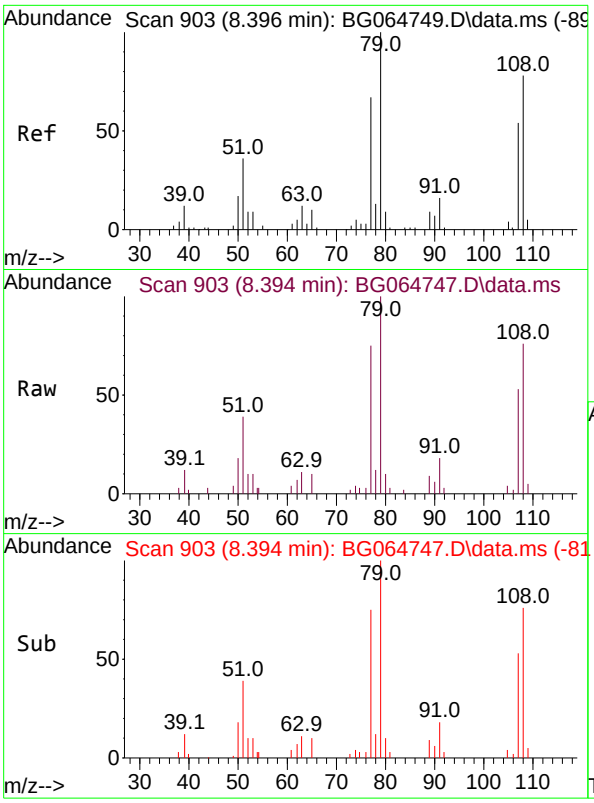


#14
1,2-Dichlorobenzene
Concen: 9.596 ng
RT: 8.523 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:146 Resp: 19237

Ion	Ratio	Lower	Upper
146	100		
148	67.3	52.0	78.0
111	39.1	34.7	52.1





#15
Benzyl Alcohol
Concen: 8.438 ng
RT: 8.394 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 79 Resp: 1480

Ion	Ratio	Lower	Upper
79	100		
108	75.9	62.3	93.5
77	74.8	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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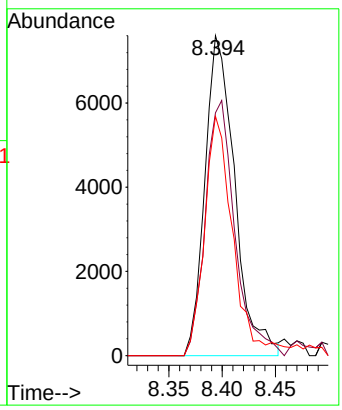
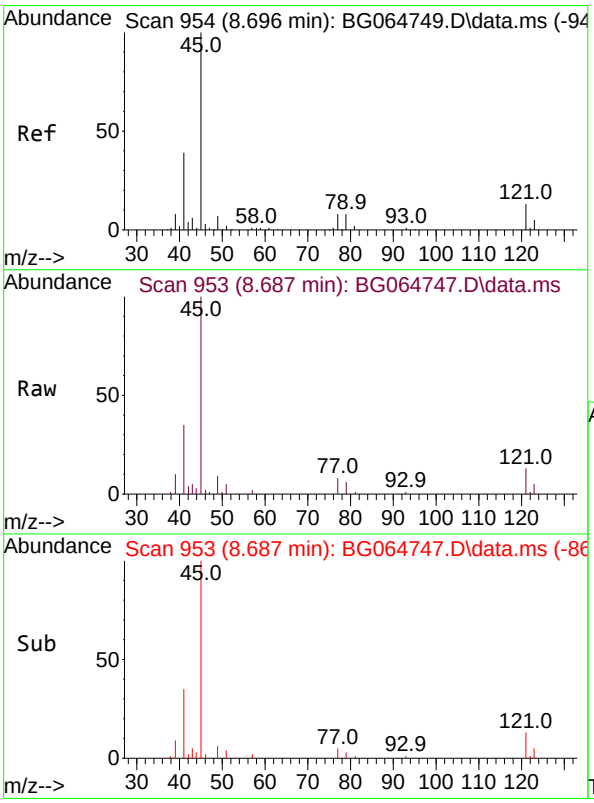
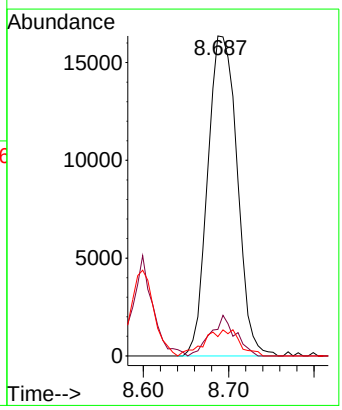


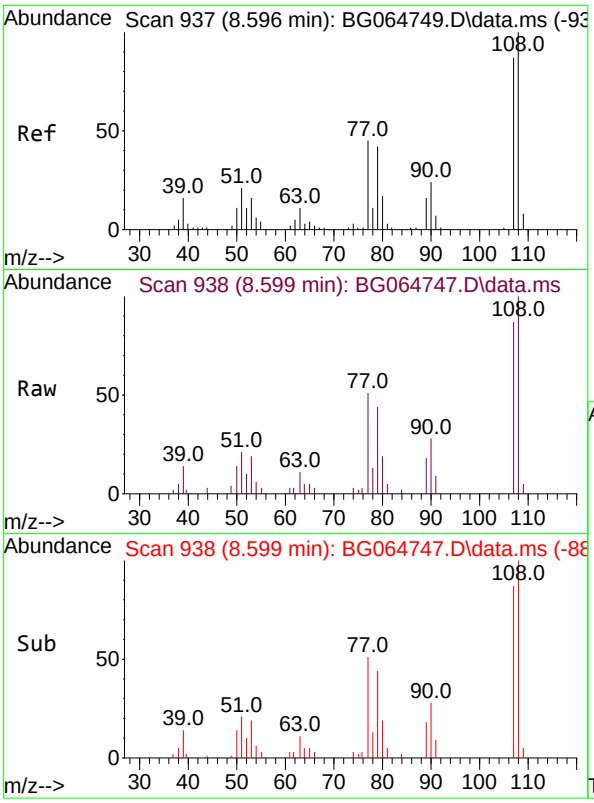


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.014 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 45 Resp: 39228

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.8
79	6.0	0.0	28.1

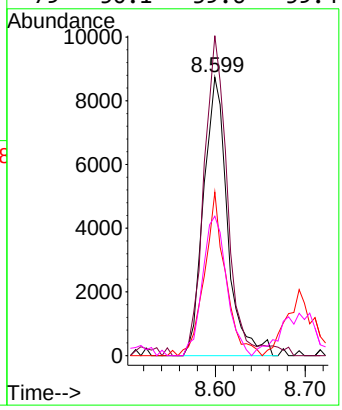




#17
2-Methylphenol
Concen: 9.795 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 1611

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.6	138.8
77	58.7	41.2	61.8
79	50.1	39.6	59.4



Instrument :
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ClientSampleId :
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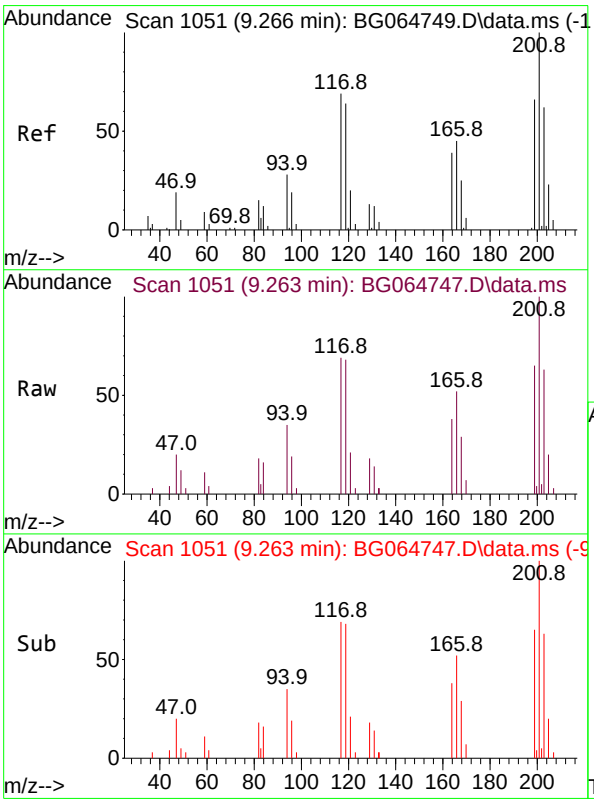
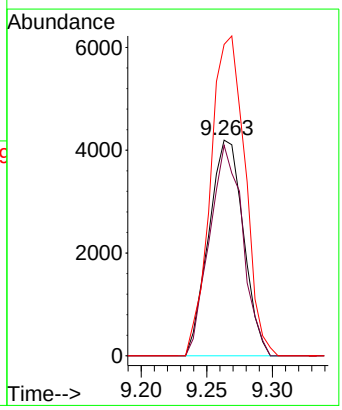
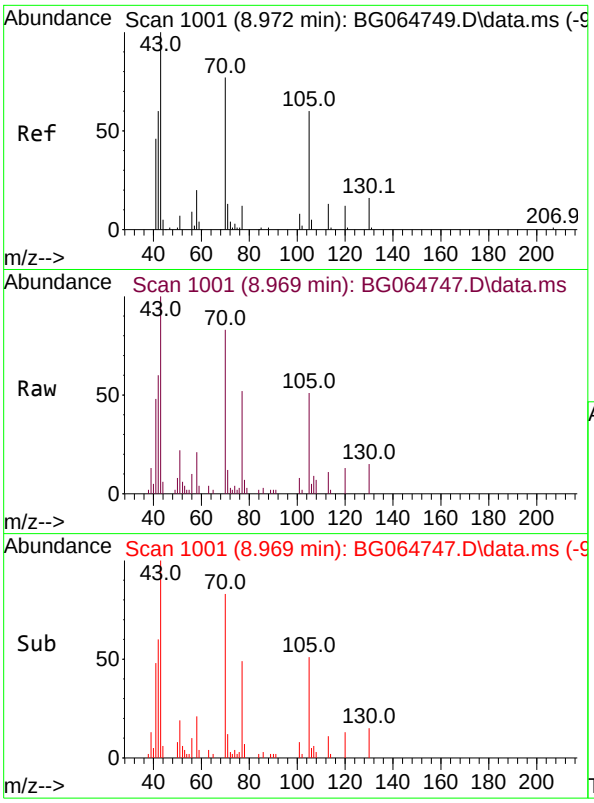


#18
Hexachloroethane
Concen: 9.843 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:117 Resp: 7708

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.4	111.6
201	144.4	116.5	174.7

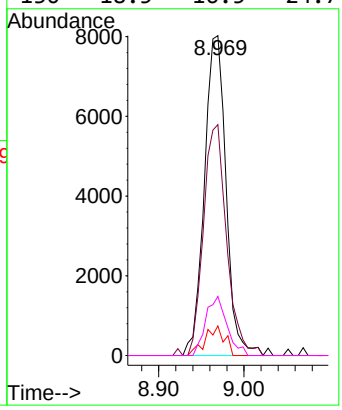




#19
n-Nitroso-di-n-propylamine
Concen: 9.853 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 70 Resp: 1424

Ion	Ratio	Lower	Upper
70	100		
42	72.2	62.6	93.8
101	9.3	8.0	12.0
130	18.5	16.5	24.7



Instrument :
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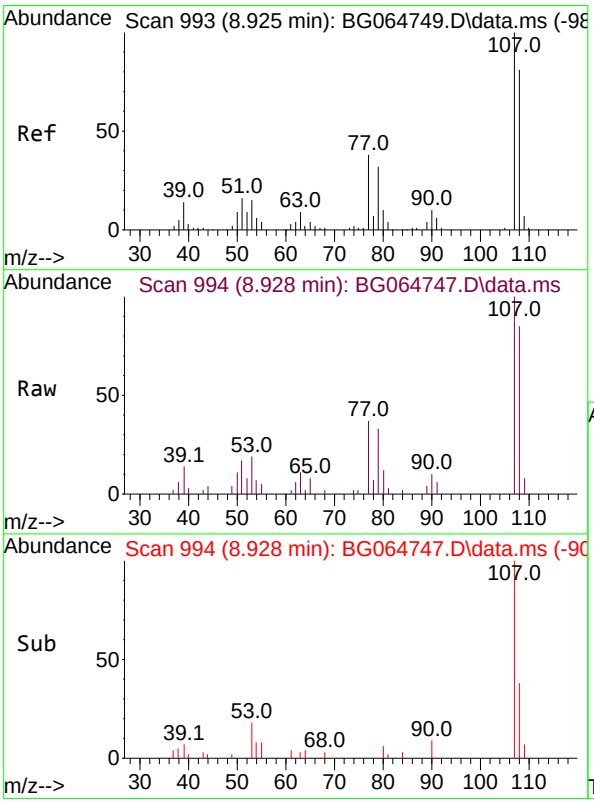
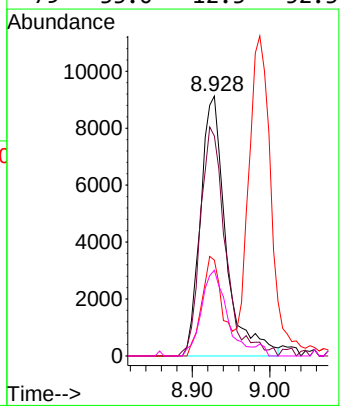
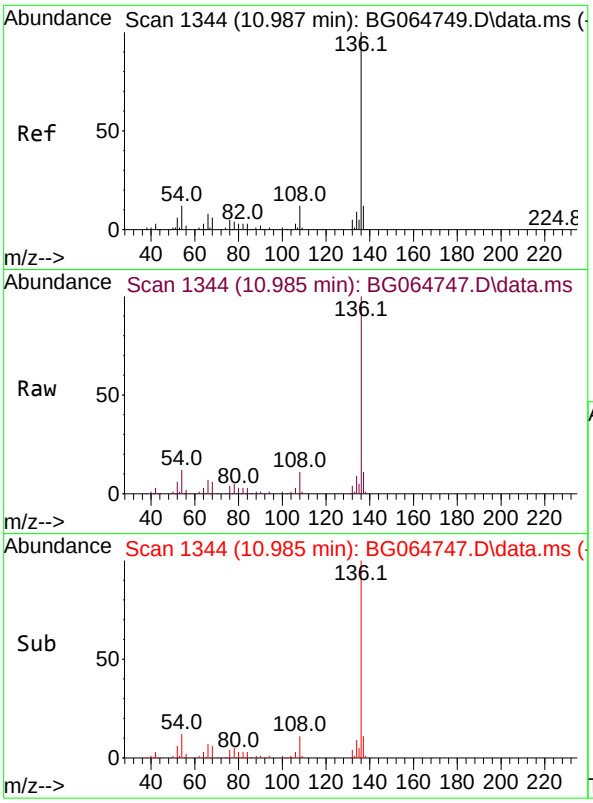


#20
3+4-Methylphenols
Concen: 9.215 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 20773

Ion	Ratio	Lower	Upper
107	100		
108	84.7	61.0	101.0
77	36.8	17.6	57.6
79	33.0	12.3	52.3

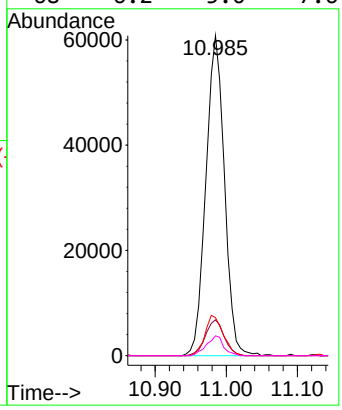




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:136 Resp: 11013

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	11.9	9.3	13.9
68	6.2	5.0	7.6



Instrument :
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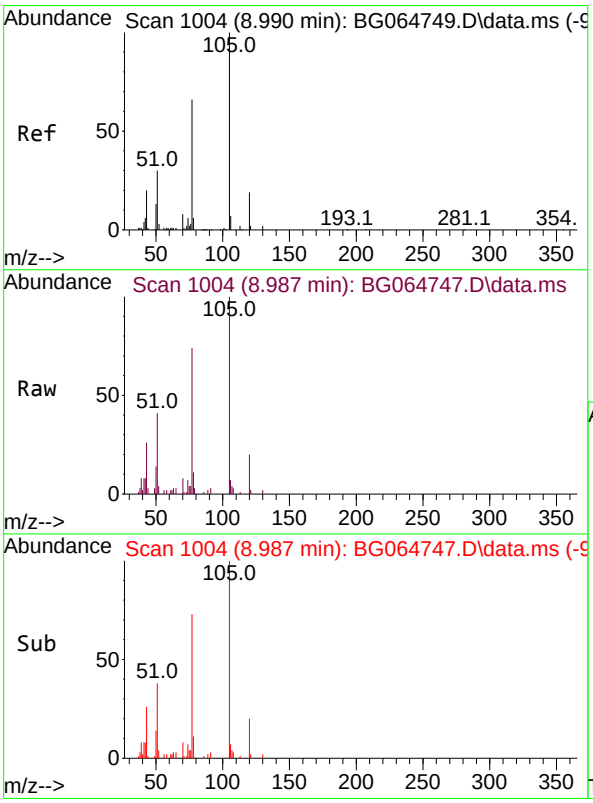
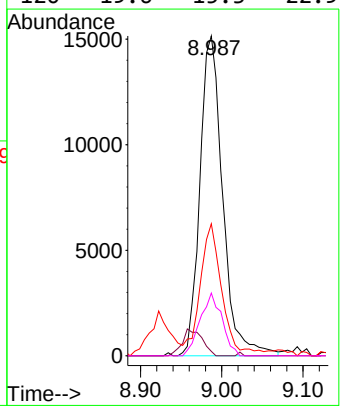
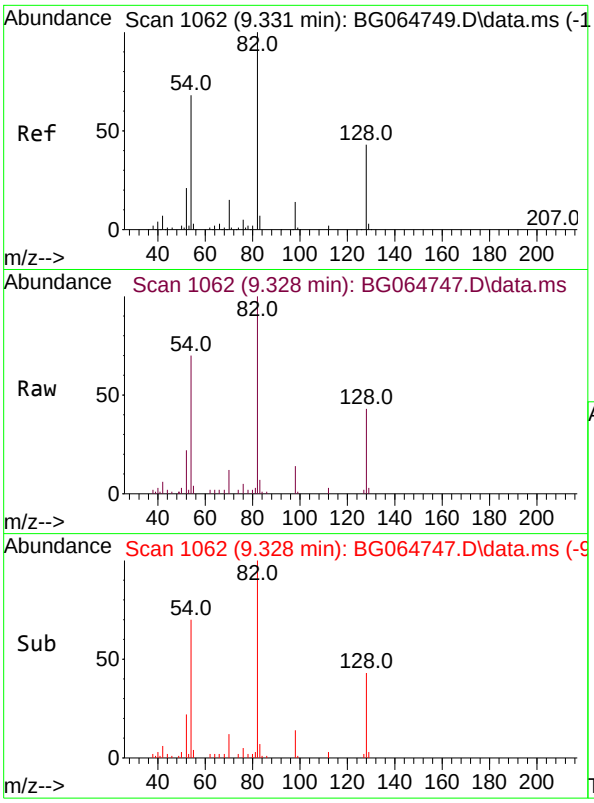


#22
Acetophenone
Concen: 9.843 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:105 Resp: 29535

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.3	1.9
51	41.3	27.9	41.9
120	19.6	15.3	22.9

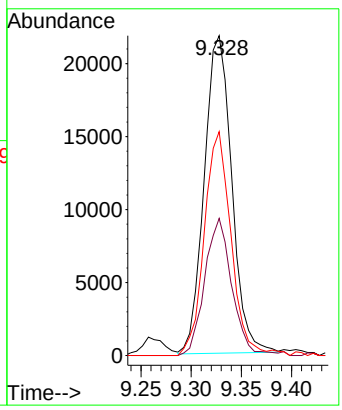




#23
Nitrobenzene-d5
Concen: 18.666 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 82 Resp: 4157

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.1	51.1
54	70.0	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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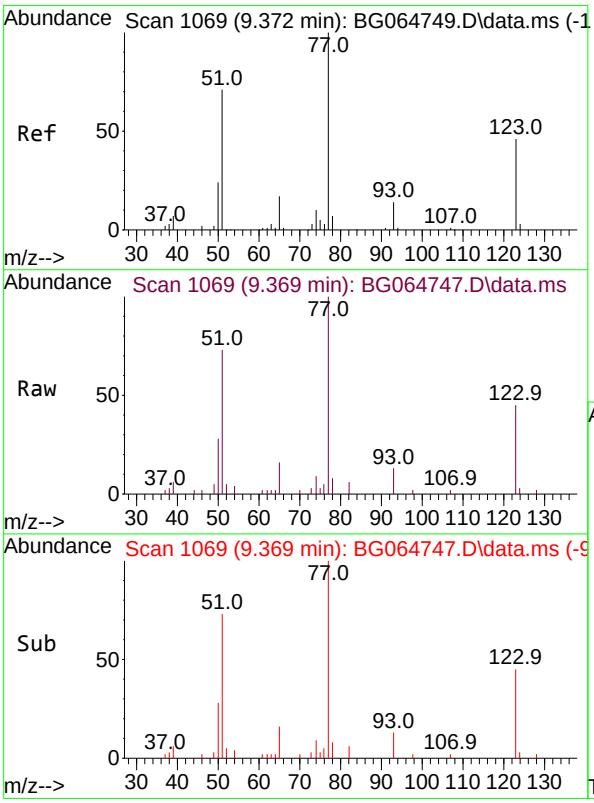
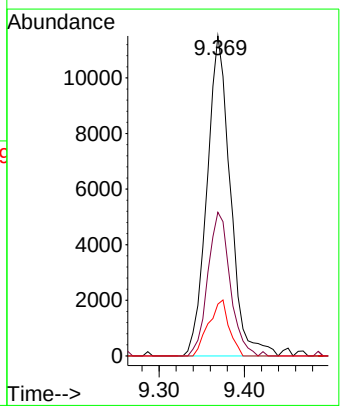
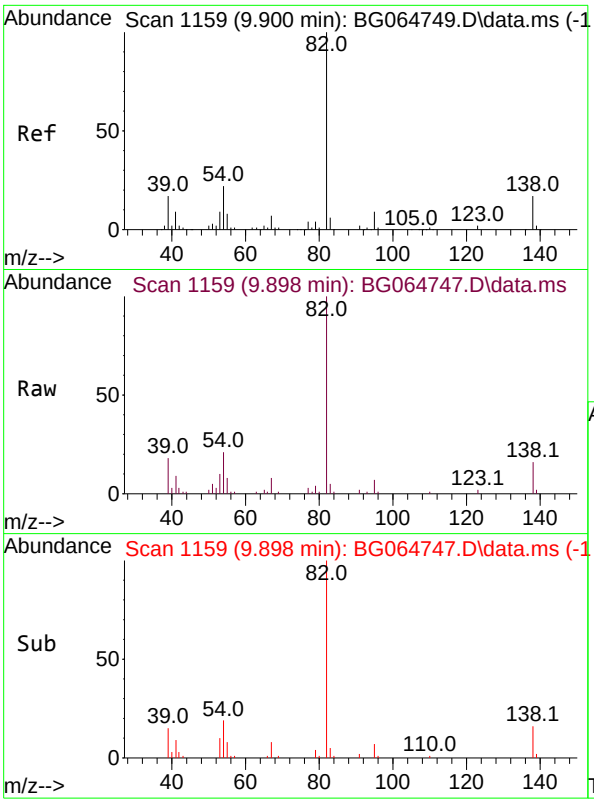


#24
Nitrobenzene
Concen: 9.730 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 21900

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.5	54.7
65	16.2	13.5	20.3

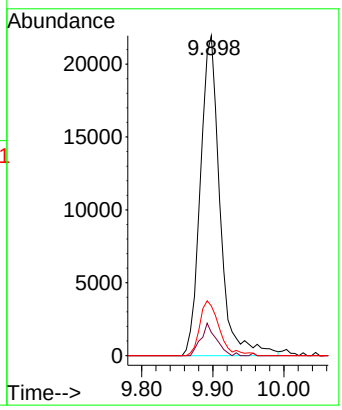




#25
Isophorone
Concen: 9.872 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 82 Resp: 4187

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.9	10.3
138	15.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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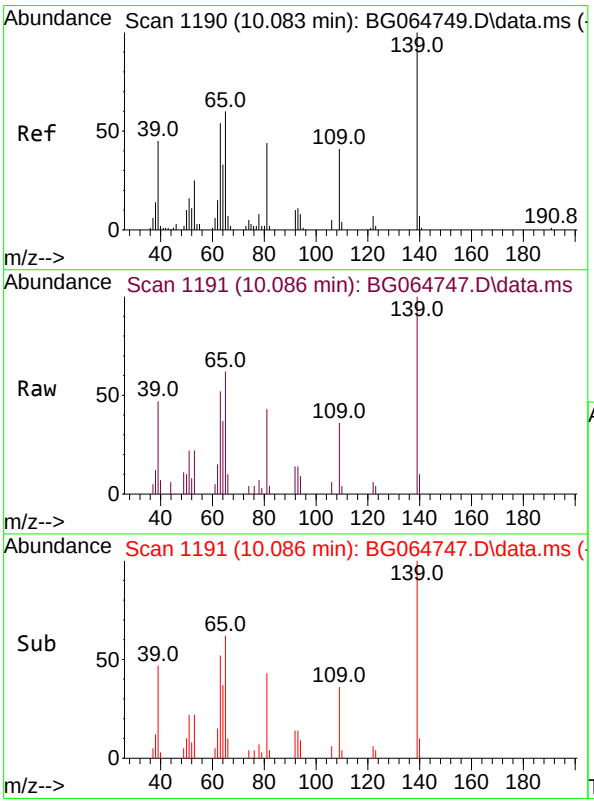
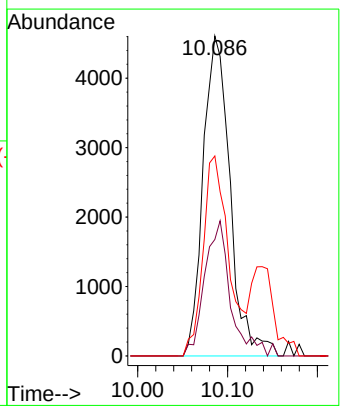
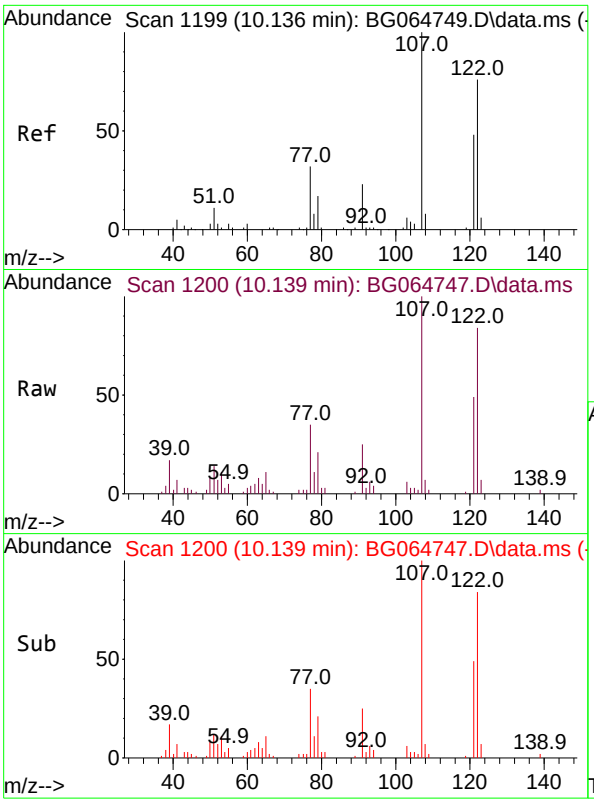


#26
2-Nitrophenol
Concen: 9.523 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:139 Resp: 9640

Ion	Ratio	Lower	Upper
139	100		
109	36.4	32.5	48.7
65	62.5	47.6	71.4

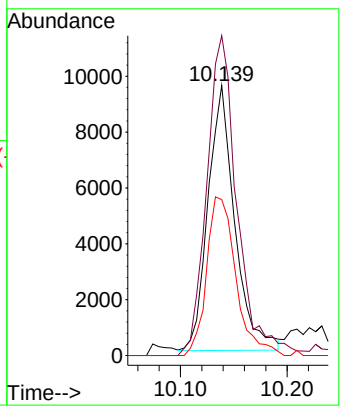




#27
2,4-Dimethylphenol
Concen: 9.228 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:122 Resp: 1659

Ion	Ratio	Lower	Upper
122	100		
107	118.4	102.5	153.7
121	57.7	49.0	73.6



Instrument :
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ClientSampleId :
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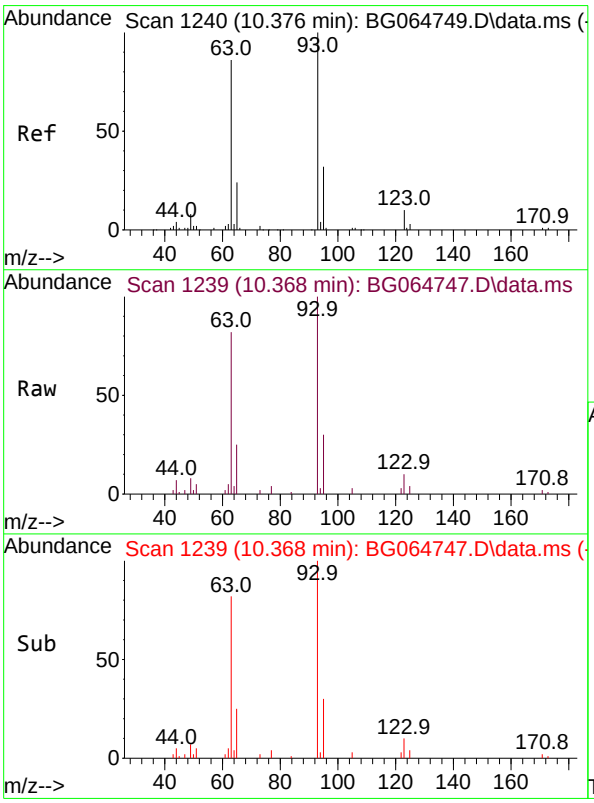
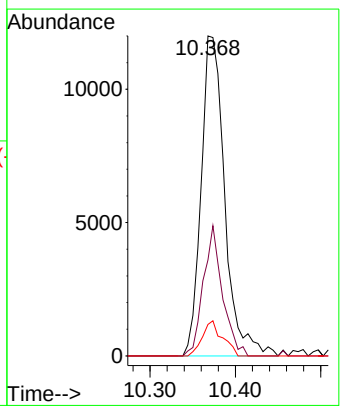
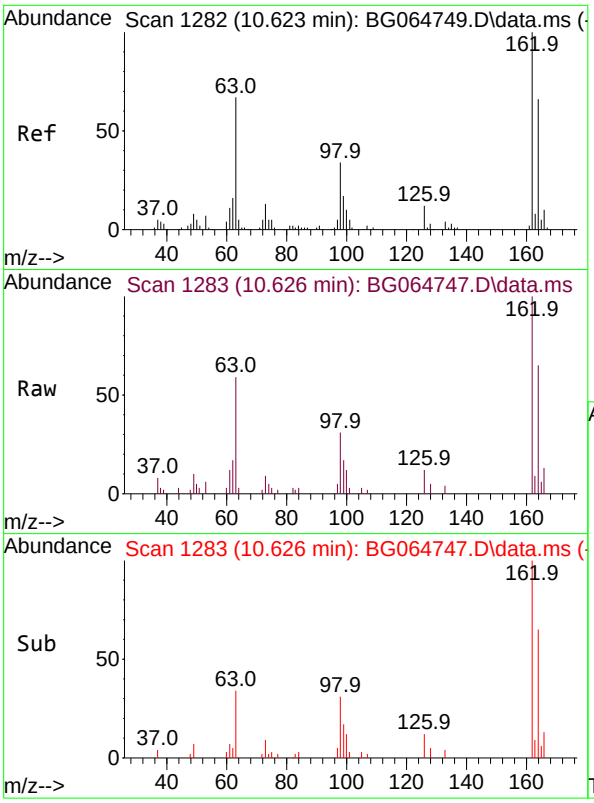


#28
bis(2-Chloroethoxy)methane
Concen: 9.907 ng
RT: 10.368 min Scan# 1239
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 93 Resp: 23070

Ion	Ratio	Lower	Upper
93	100		
95	30.0	25.4	38.2
123	9.8	8.1	12.1

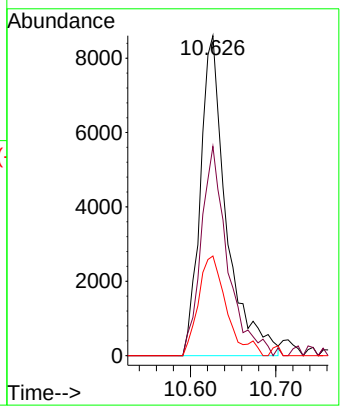




#29
2,4-Dichlorophenol
Concen: 9.440 ng
RT: 10.626 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:162 Resp: 1822

Ion	Ratio	Lower	Upper
162	100		
164	65.4	46.0	86.0
98	31.1	14.2	54.2



Instrument :
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ClientSampleId :
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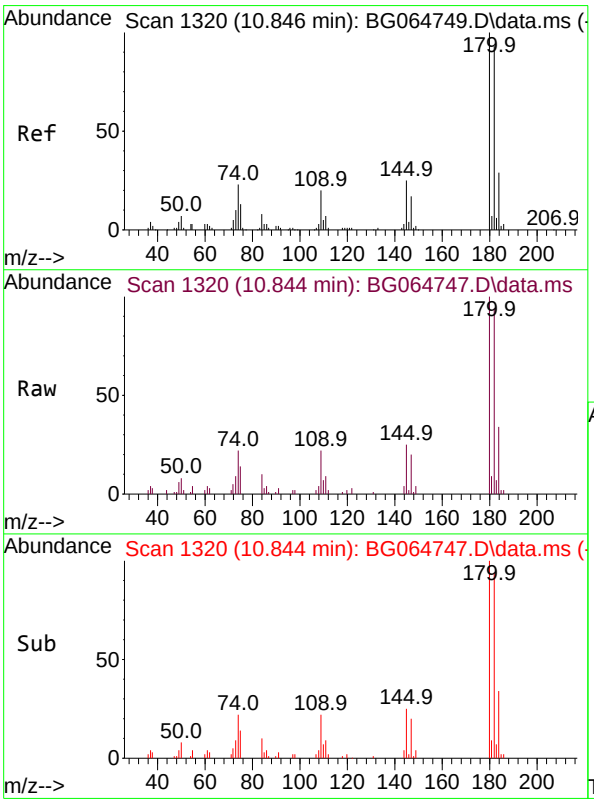
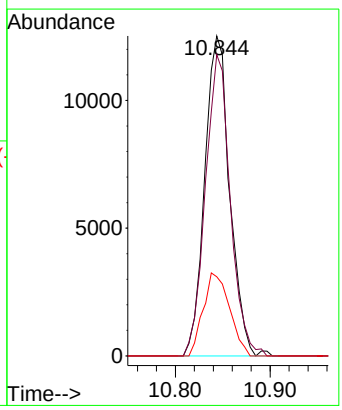
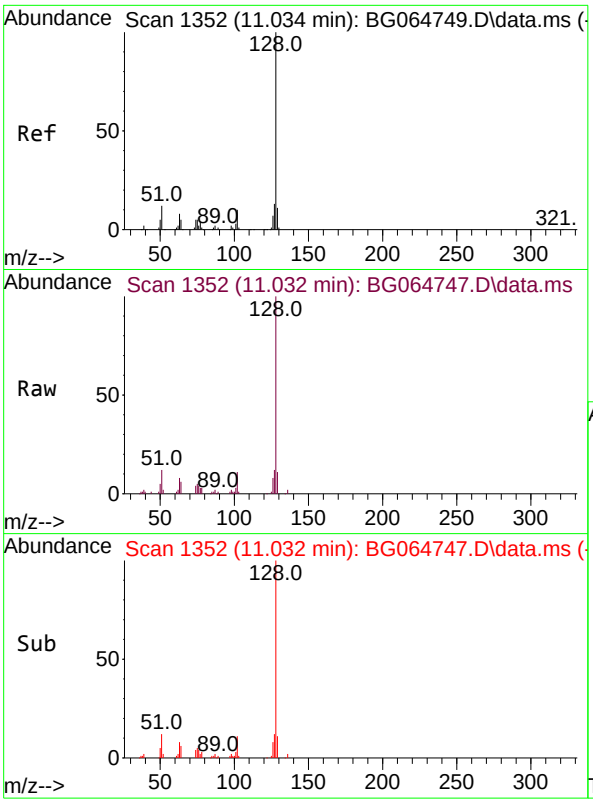


#30
1,2,4-Trichlorobenzene
Concen: 9.844 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:180 Resp: 22952

Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.2	111.4
145	24.7	20.0	30.0

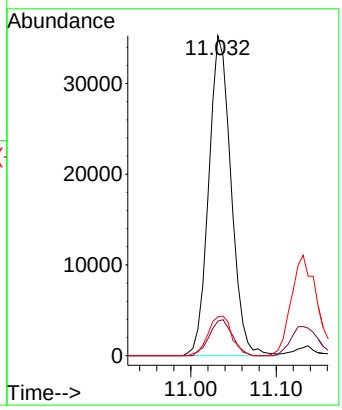




#31
Naphthalene
Concen: 10.254 ng
RT: 11.032 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:128 Resp: 6401

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	12.1	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
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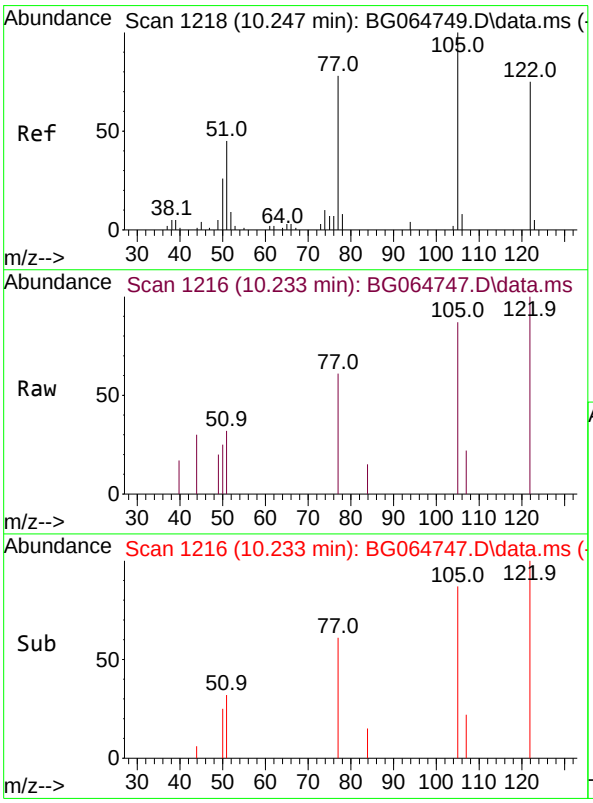
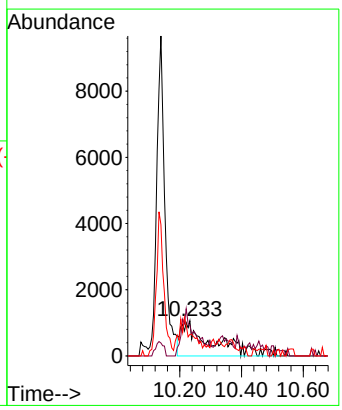
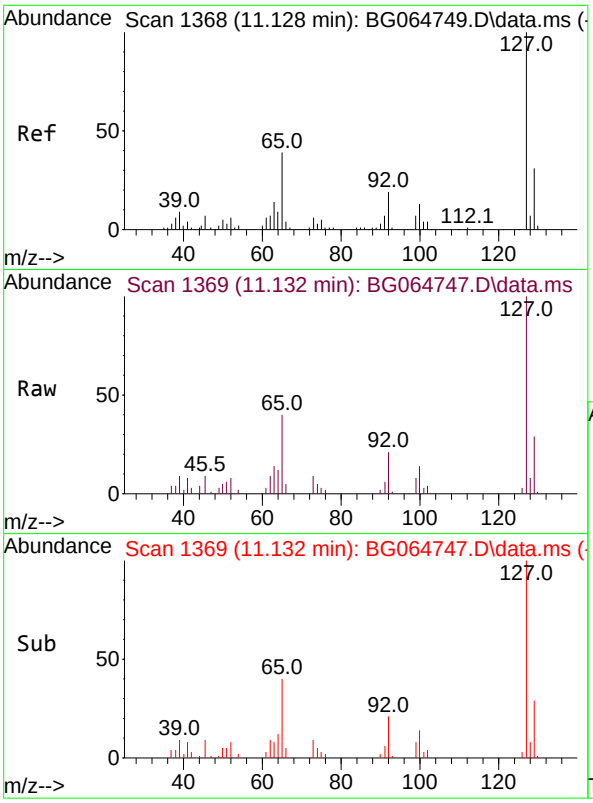


#32
Benzoic acid
Concen: 10.914 ng m
RT: 10.233 min Scan# 1216
Delta R.T. -0.014 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:122 Resp: 7448

Ion	Ratio	Lower	Upper
122	100		
105	87.4	107.6	147.6#
77	61.3	82.5	122.5#

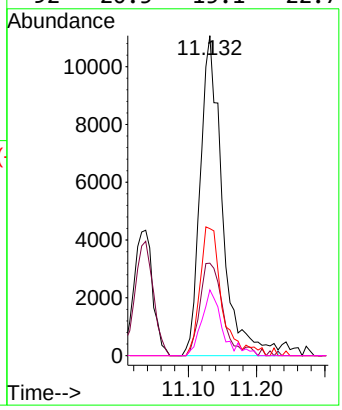




#33
4-Chloroaniline
Concen: 9.967 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:127 Resp: 2489

Ion	Ratio	Lower	Upper
127	100		
129	28.9	24.9	37.3
65	39.7	30.9	46.3
92	20.5	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
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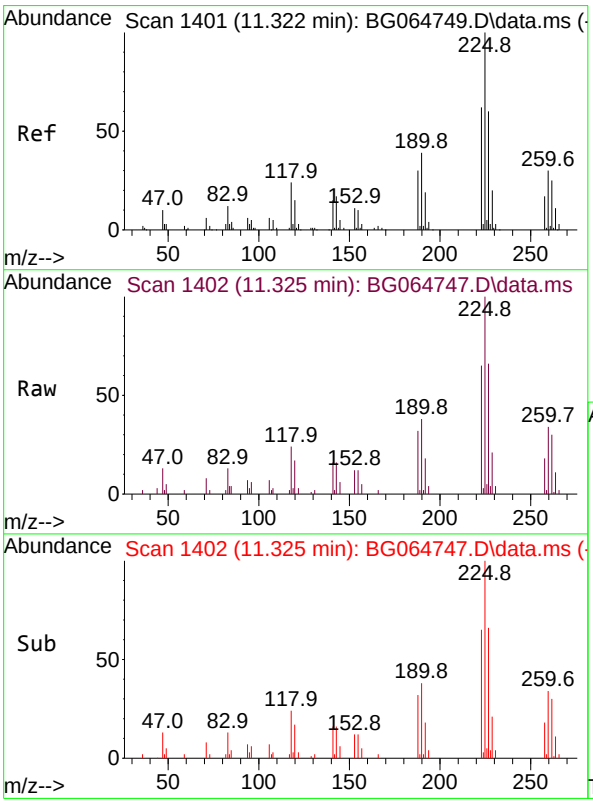
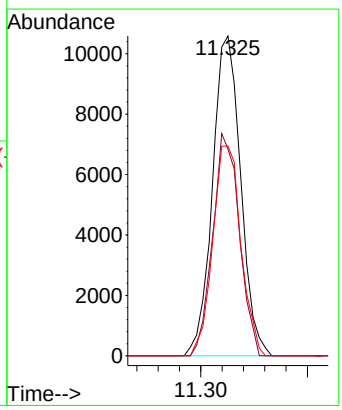
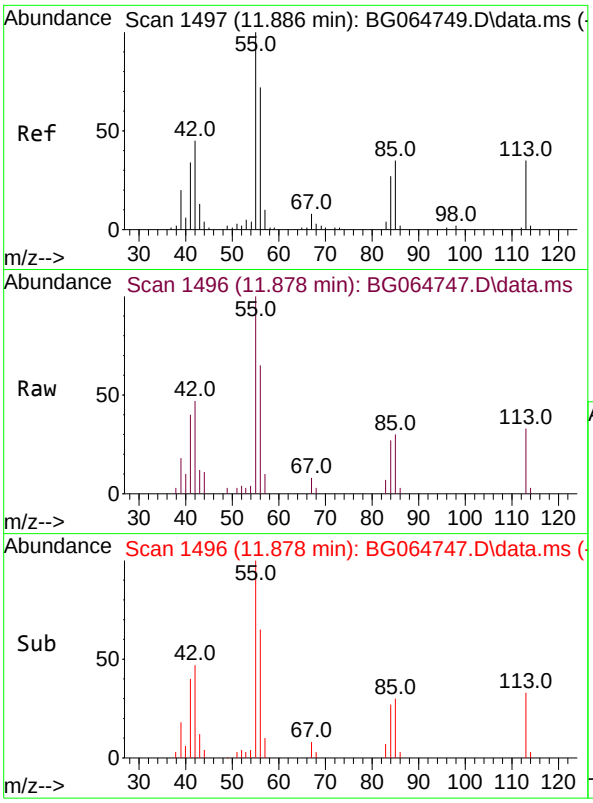


#34
Hexachlorobutadiene
Concen: 9.713 ng
RT: 11.325 min Scan# 1402
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:225 Resp: 19432

Ion	Ratio	Lower	Upper
225	100		
223	64.6	49.9	74.9
227	65.6	50.6	75.8





#35
Caprolactam
Concen: 8.592 ng
RT: 11.878 min Scan# 14
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:113 Resp: 495

Ion	Ratio	Lower	Upper
113	100		
55	306.3	263.7	303.7#
56	199.7	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
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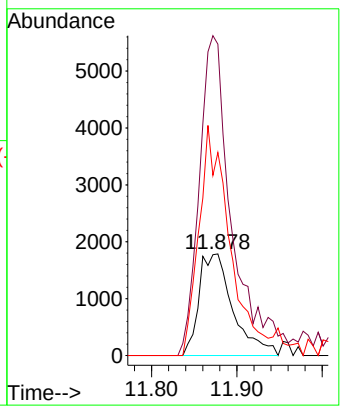
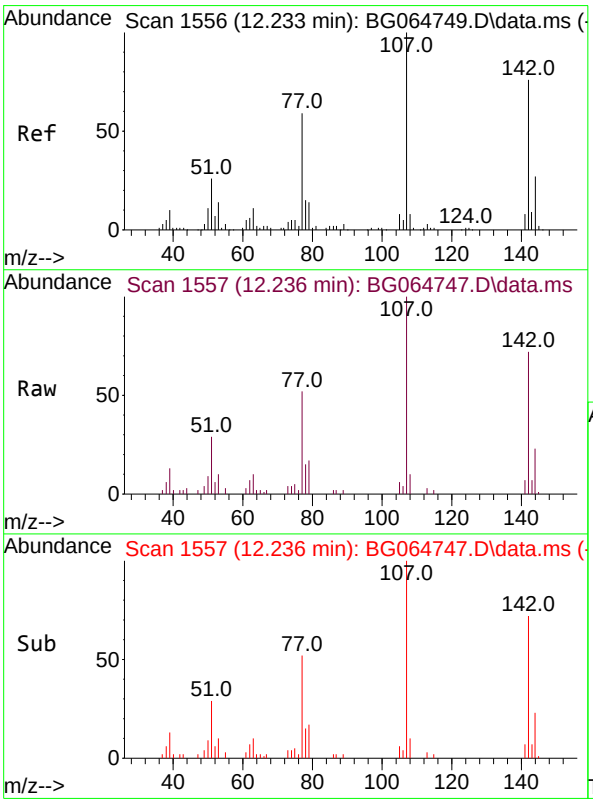
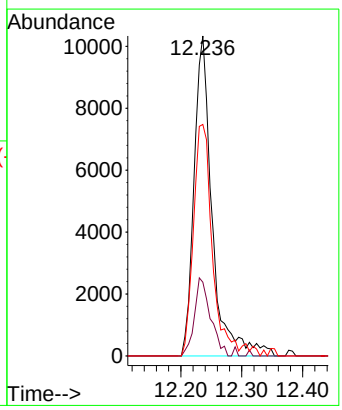


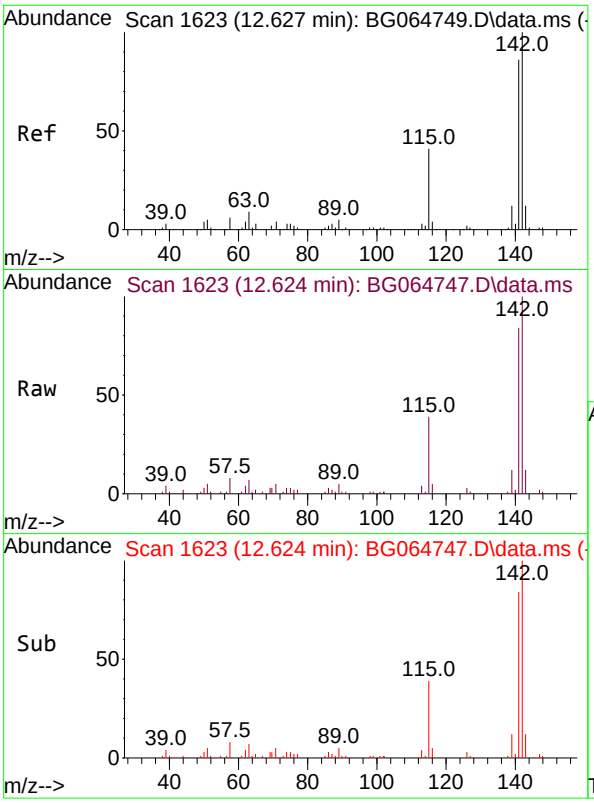


#36
4-Chloro-3-methylphenol
Concen: 9.942 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:107 Resp: 21366

Ion	Ratio	Lower	Upper
107	100		
144	23.0	21.7	32.5
142	72.3	60.8	91.2

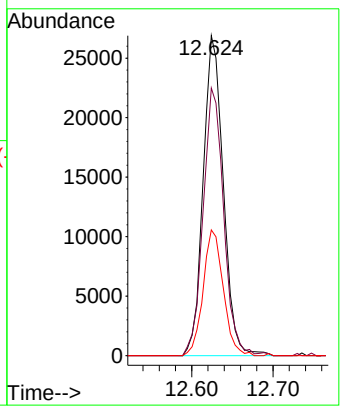




#37
2-Methylnaphthalene
Concen: 9.921 ng
RT: 12.624 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:142 Resp: 4634

Ion	Ratio	Lower	Upper
142	100		
141	83.6	69.1	103.7
115	39.3	32.9	49.3



Instrument :
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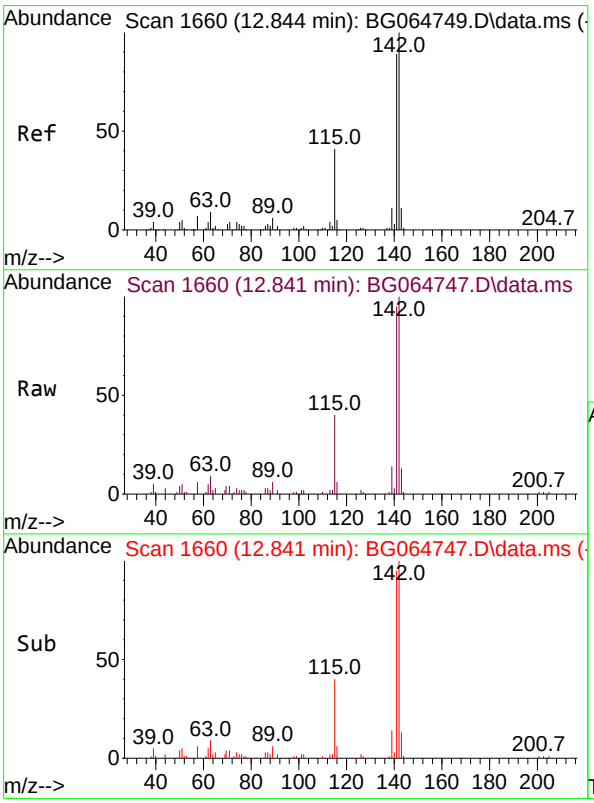
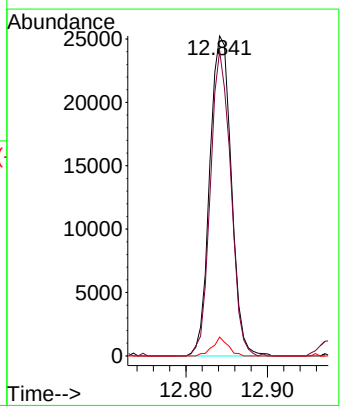
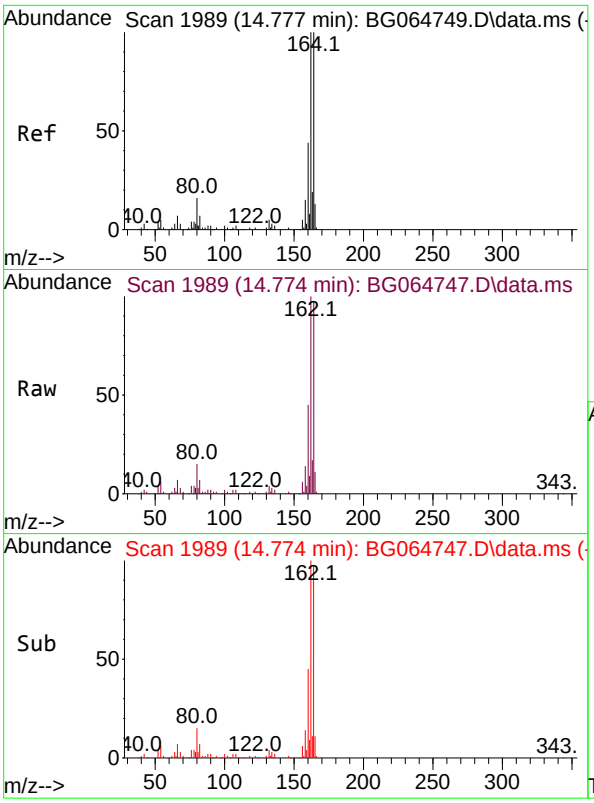


#38
1-Methylnaphthalene
Concen: 9.982 ng m
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:142 Resp: 46327

Ion	Ratio	Lower	Upper
142	100		
141	95.3	70.8	106.2
116	5.9	3.7	5.5#

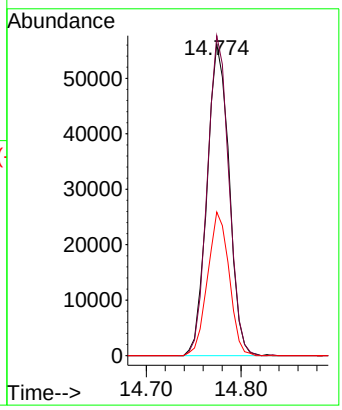




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:164 Resp: 9079

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.8	119.6
160	46.1	34.9	52.3



Instrument :
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ClientSampleId :
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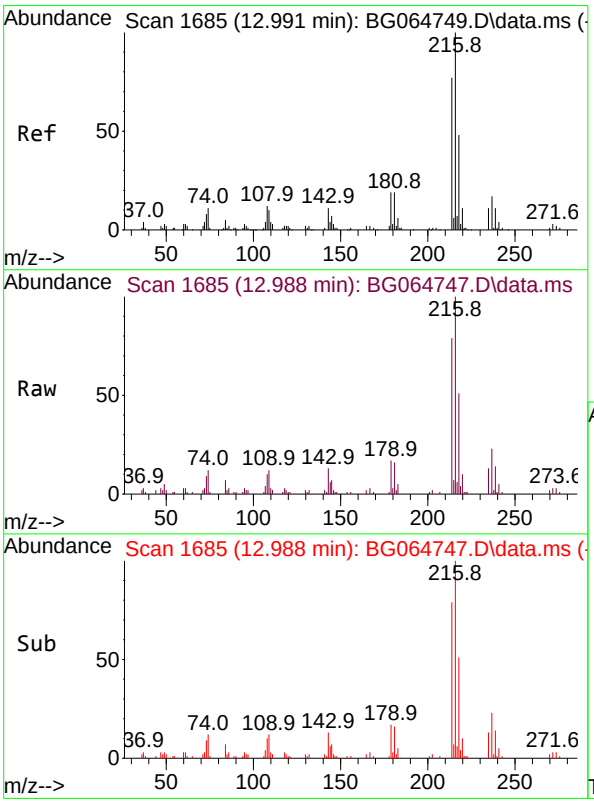
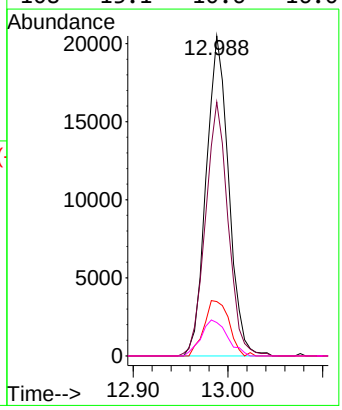
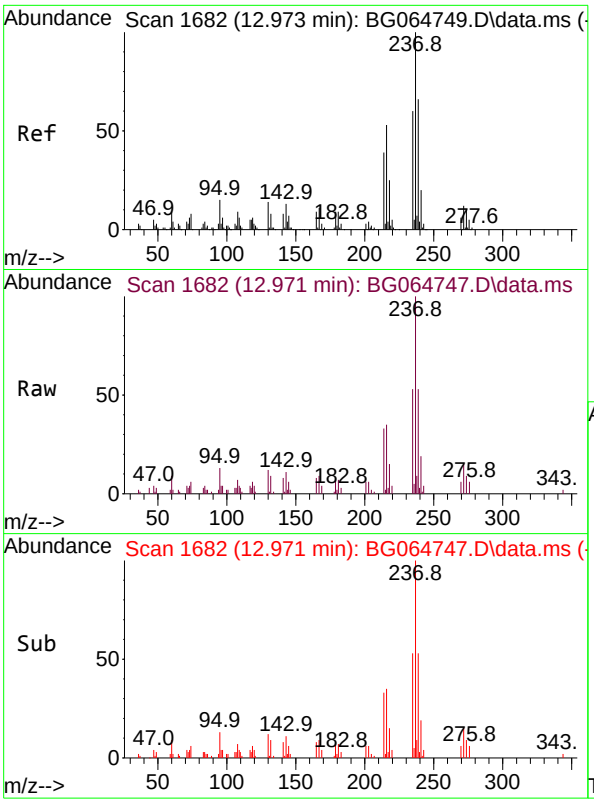


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.582 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:216 Resp: 33859

Ion	Ratio	Lower	Upper
216	100		
214	79.6	60.5	90.7
179	19.2	14.7	22.1
108	13.1	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 8.565 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:237 Resp: 2169

Ion	Ratio	Lower	Upper
237	100		
235	53.5	40.2	80.2
272	15.3	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
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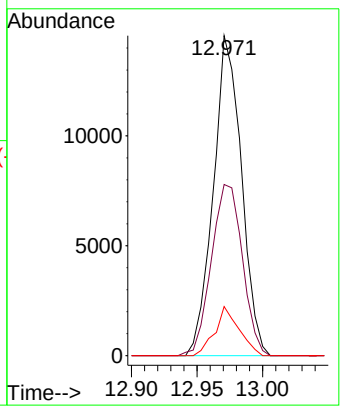
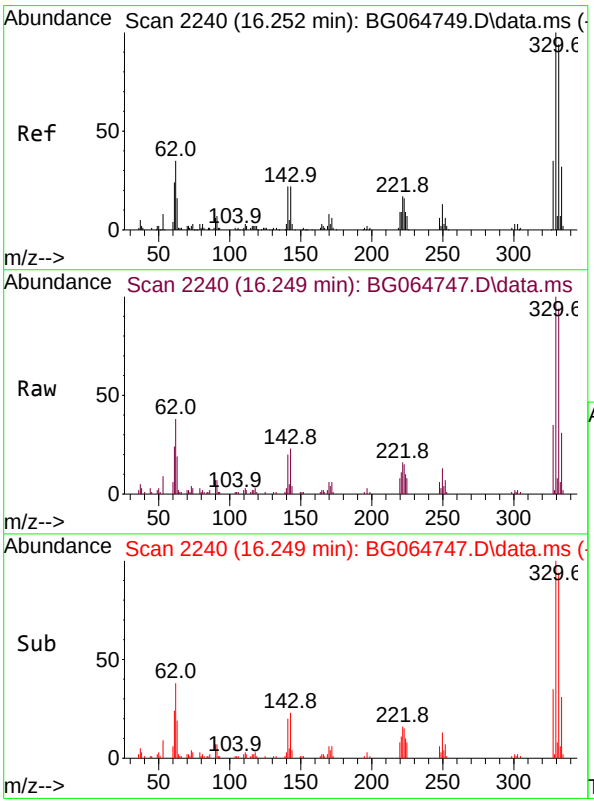
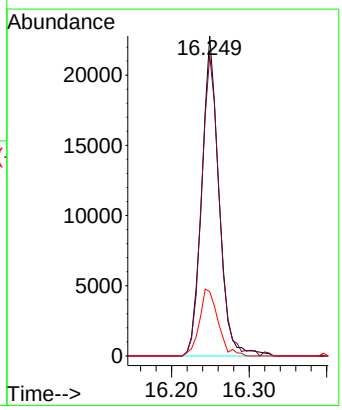


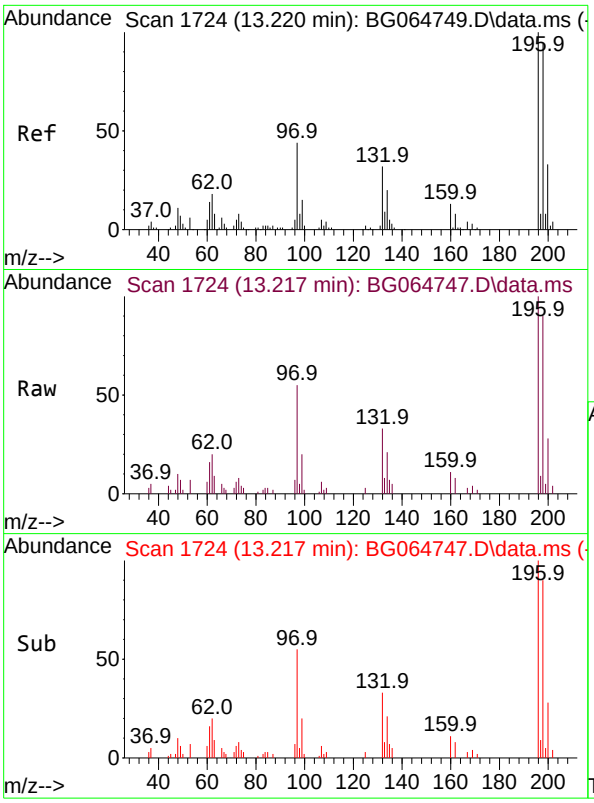


#42
2,4,6-Tribromophenol
Concen: 19.694 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:330 Resp: 34875

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	22.6	18.2	27.2

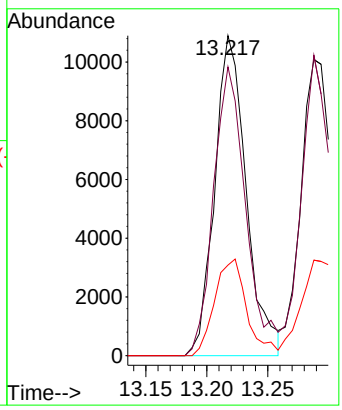




#43
2,4,6-Trichlorophenol
Concen: 9.451 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:196 Resp: 1960

Ion	Ratio	Lower	Upper
196	100		
198	90.2	75.3	112.9
200	28.3	26.2	39.2



Instrument :
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ClientSampleId :
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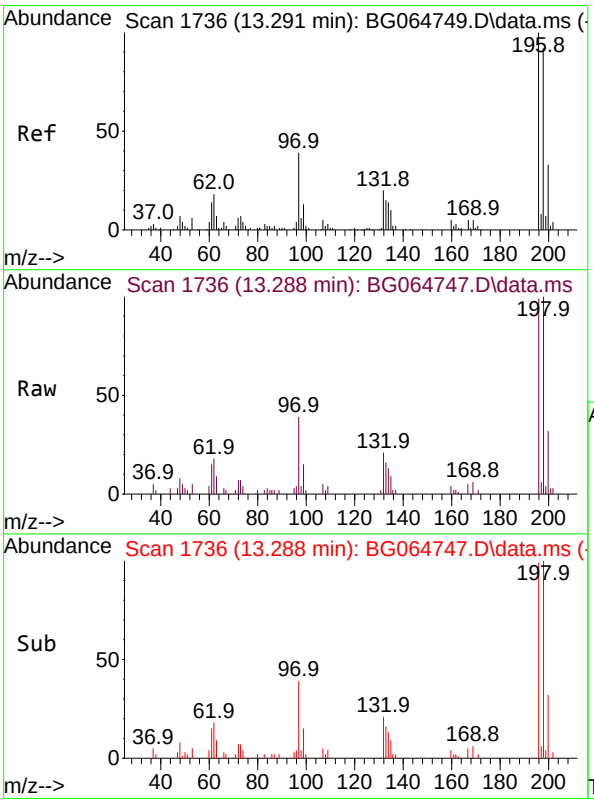
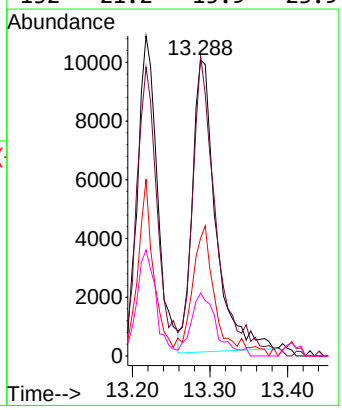
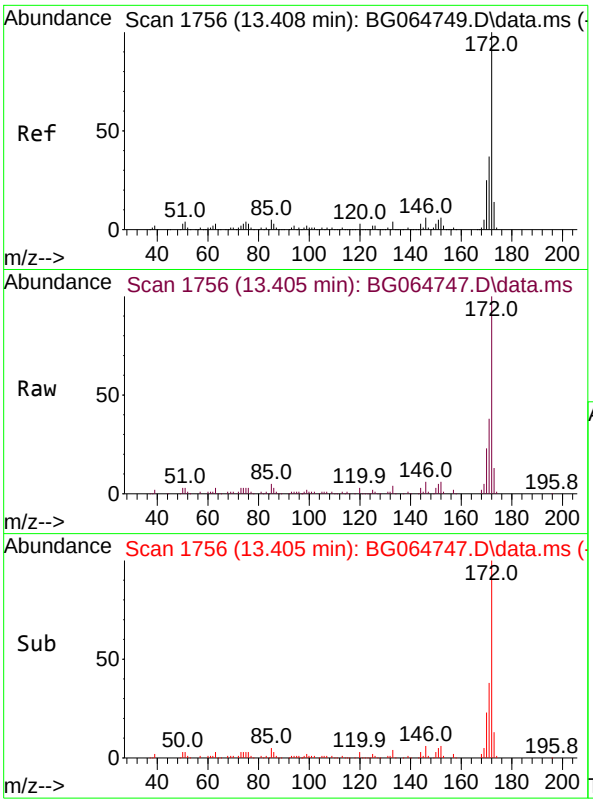


#44
2,4,5-Trichlorophenol
Concen: 8.972 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:196 Resp: 20868

Ion	Ratio	Lower	Upper
196	100		
198	101.4	73.2	109.8
97	39.7	31.4	47.0
132	21.2	15.9	23.9

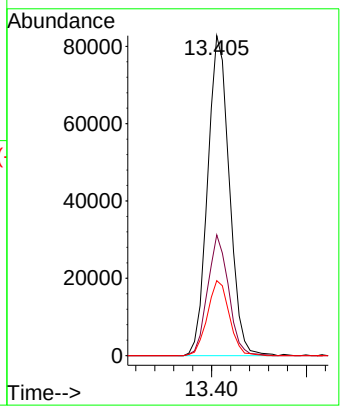




#45
2-Fluorobiphenyl
Concen: 20.167 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:172 Resp: 13122

Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.9	44.9
170	23.4	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
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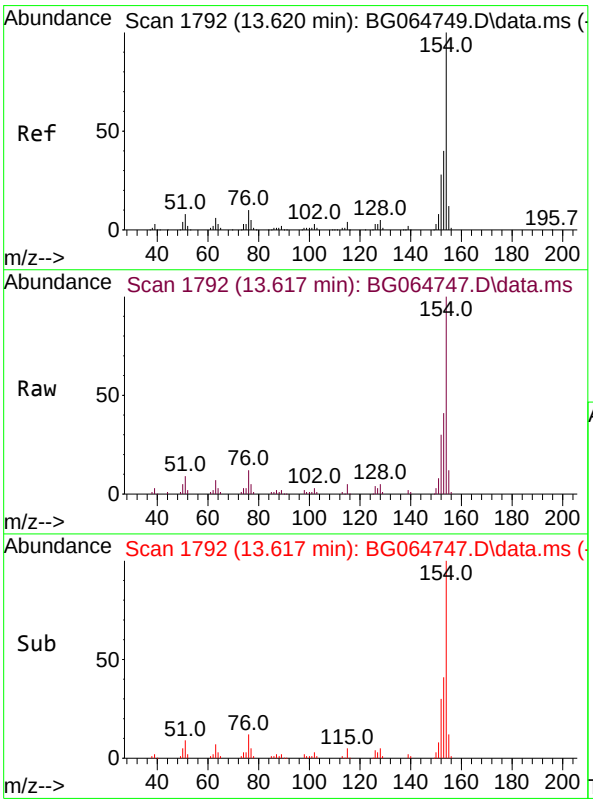
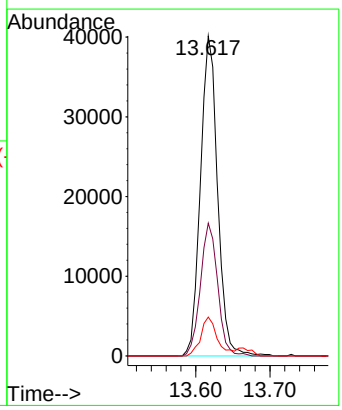
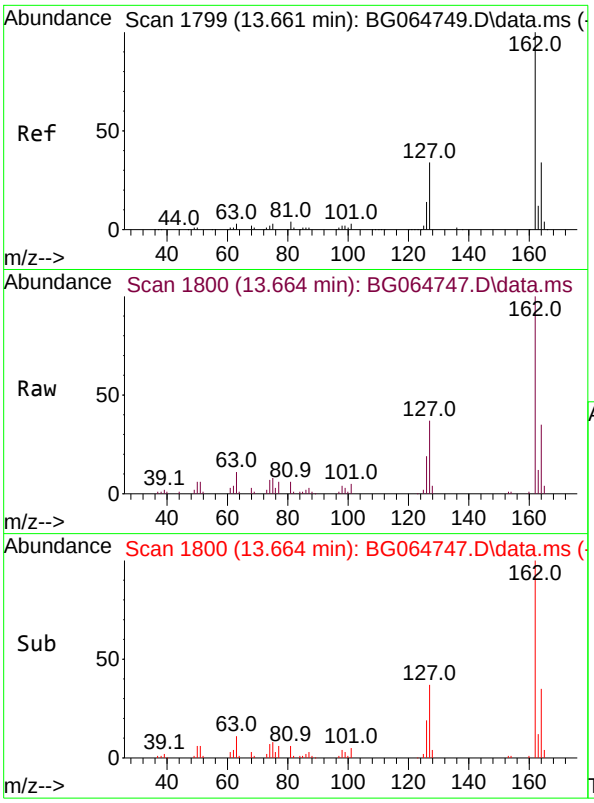


#46
1,1'-Biphenyl
Concen: 9.864 ng
RT: 13.617 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:154 Resp: 64329

Ion	Ratio	Lower	Upper
154	100		
153	41.5	19.8	59.8
76	12.1	0.0	30.0

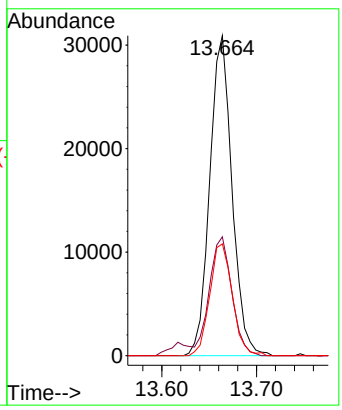




#47
2-Chloronaphthalene
Concen: 9.827 ng
RT: 13.664 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:162 Resp: 5048

Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.3	45.5
164	34.9	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
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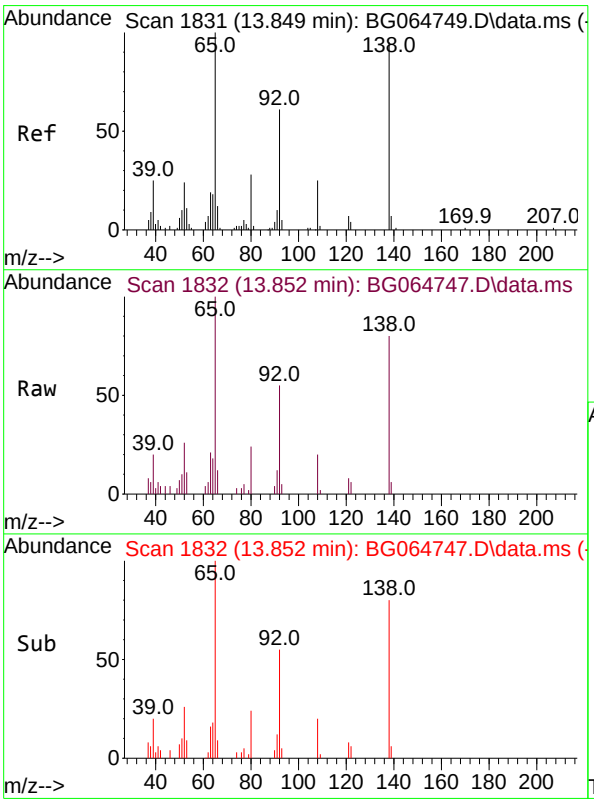
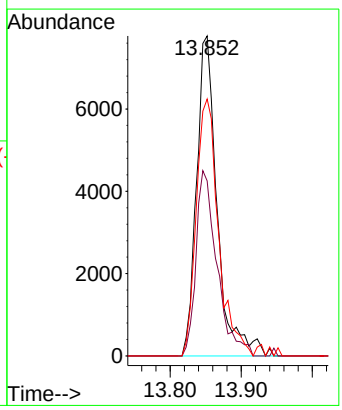
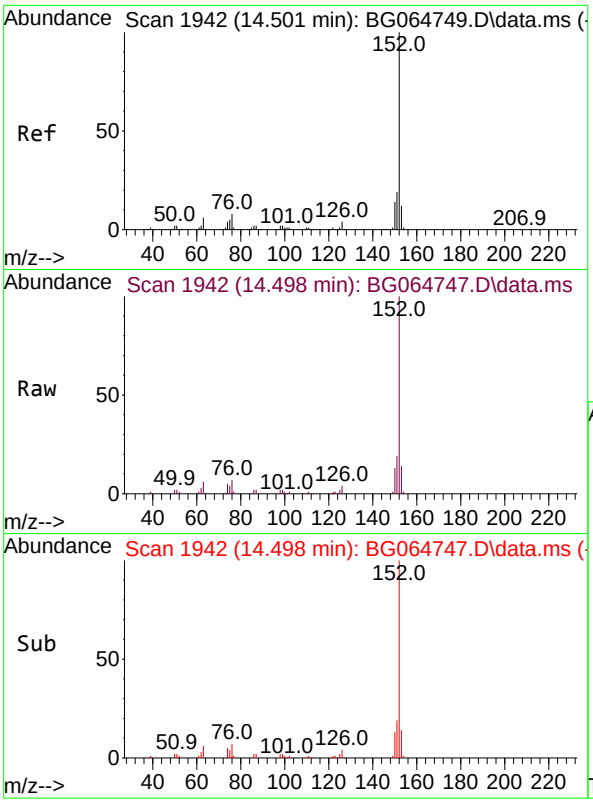


#48
2-Nitroaniline
Concen: 9.469 ng
RT: 13.852 min Scan# 1832
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 65 Resp: 15648

Ion	Ratio	Lower	Upper
65	100		
92	54.7	48.6	73.0
138	80.3	76.4	114.6

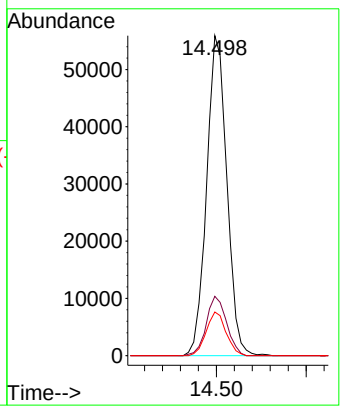




#49
Acenaphthylene
Concen: 9.973 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:152 Resp: 8753

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
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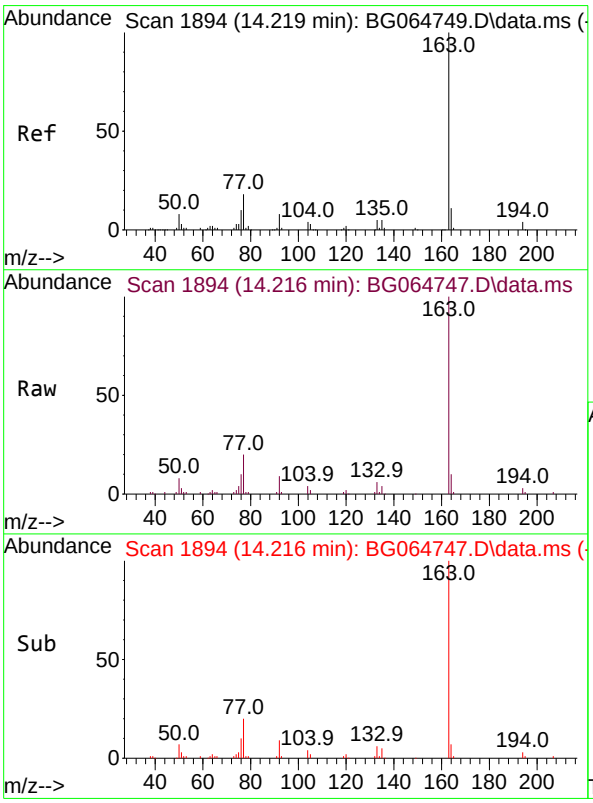
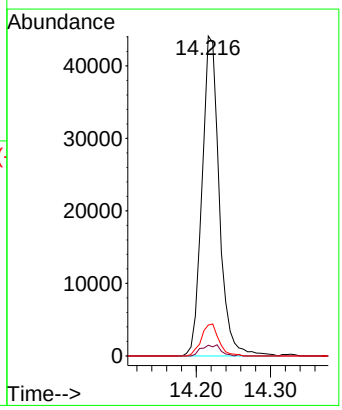
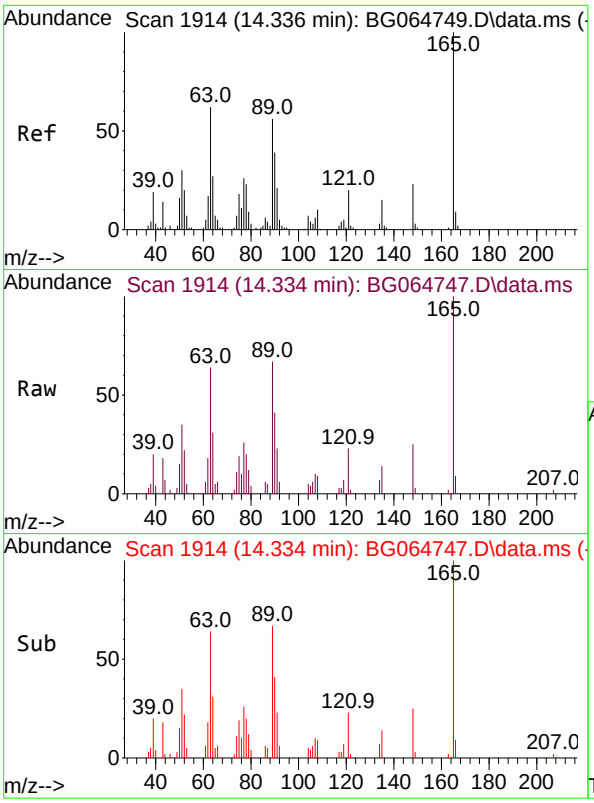


#50
Dimethylphthalate
Concen: 9.928 ng
RT: 14.216 min Scan# 1894
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:163 Resp: 71209

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.1	4.7
164	9.6	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 9.246 ng
RT: 14.334 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:165 Resp: 1276

Ion	Ratio	Lower	Upper
165	100		
63	63.7	49.8	74.8
89	67.2	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
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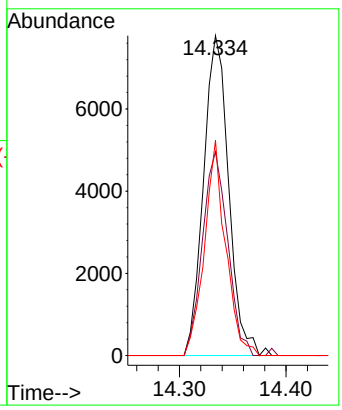
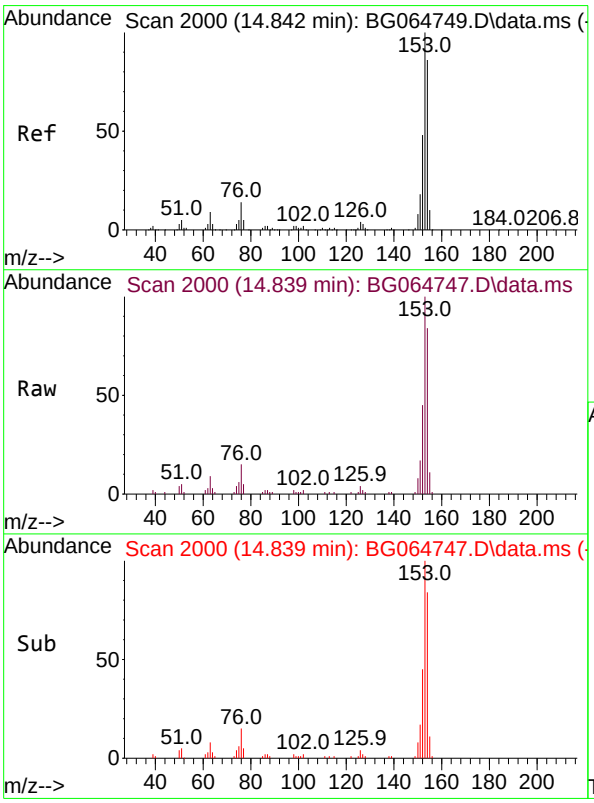
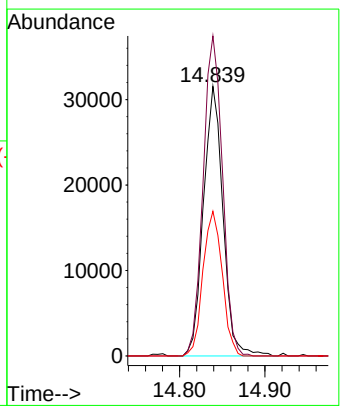


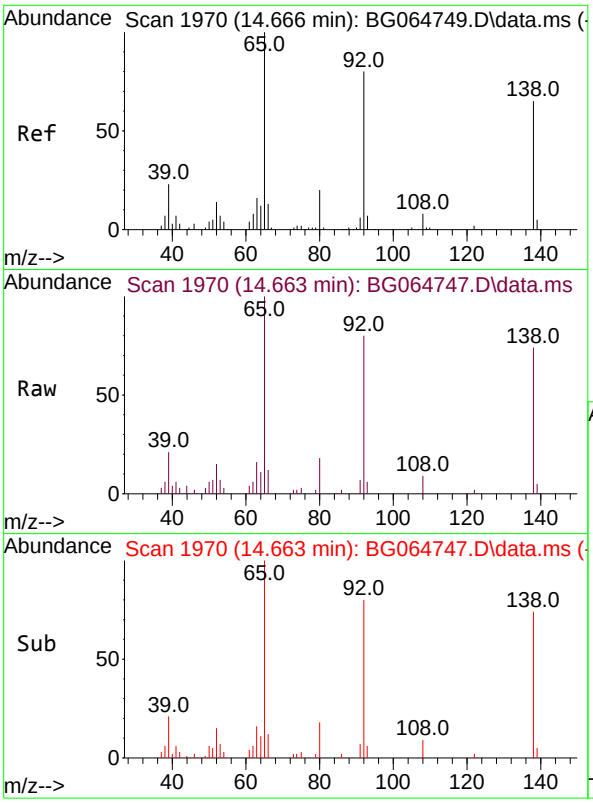


#52
Acenaphthene
Concen: 9.526 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:154 Resp: 50131

Ion	Ratio	Lower	Upper
154	100		
153	118.7	93.0	139.4
152	53.6	44.4	66.6





#53
3-Nitroaniline
Concen: 9.240 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:138 Resp: 1258

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.5	14.3
92	108.1	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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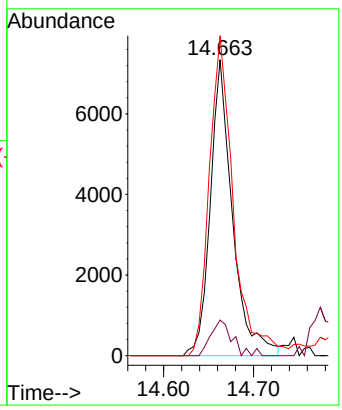
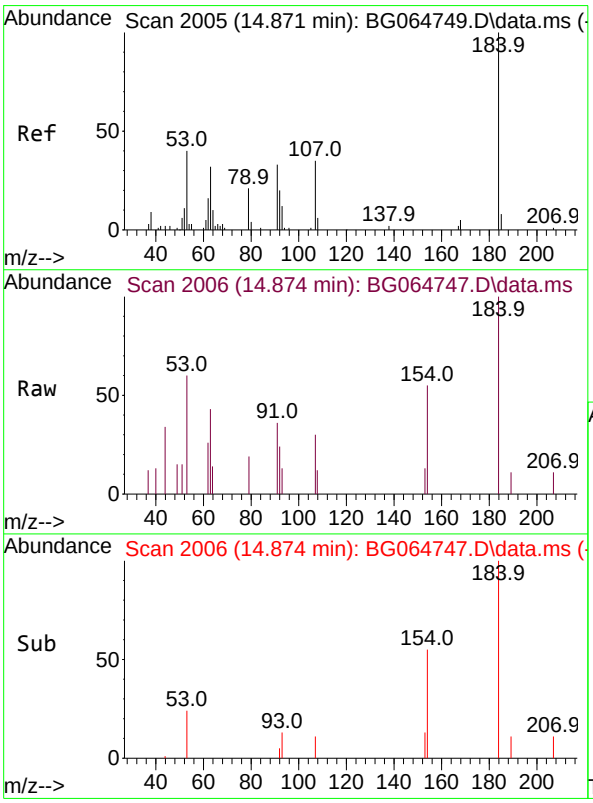
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

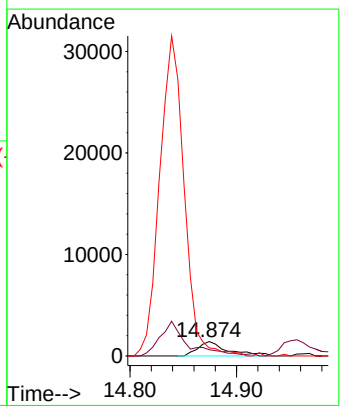


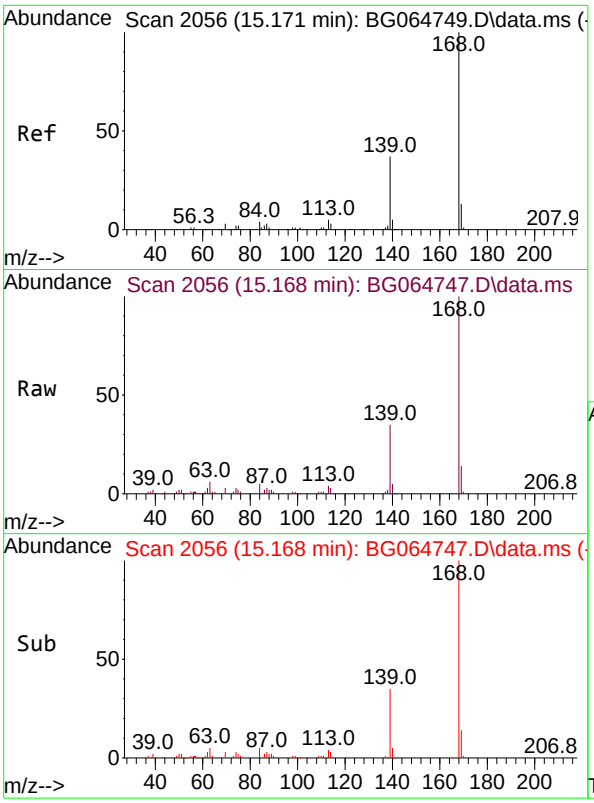


#54
2,4-Dinitrophenol
Concen: 11.149 ng
RT: 14.874 min Scan# 2006
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:184 Resp: 2717

Ion	Ratio	Lower	Upper
184	100		
63	43.2	45.8	68.6#
154	55.1	52.6	78.8

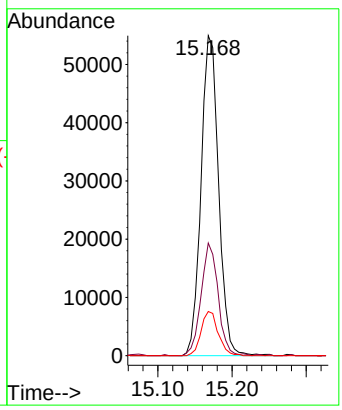




#55
Dibenzofuran
Concen: 10.387 ng
RT: 15.168 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:168 Resp: 90369

Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.5	44.3
169	13.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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Reviewed By :Jagrut Upadhyay 11/14/2025
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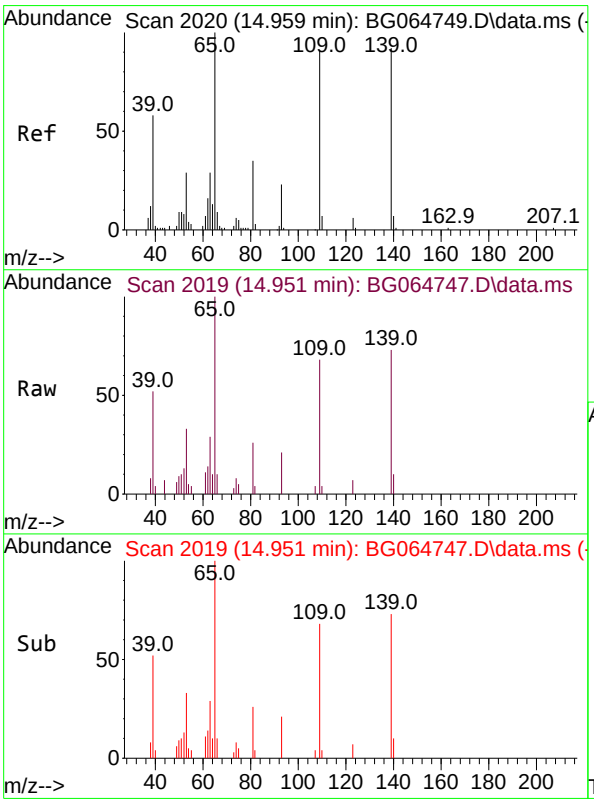
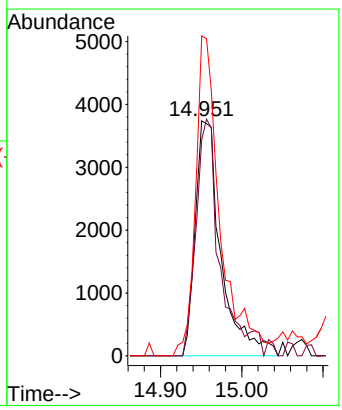
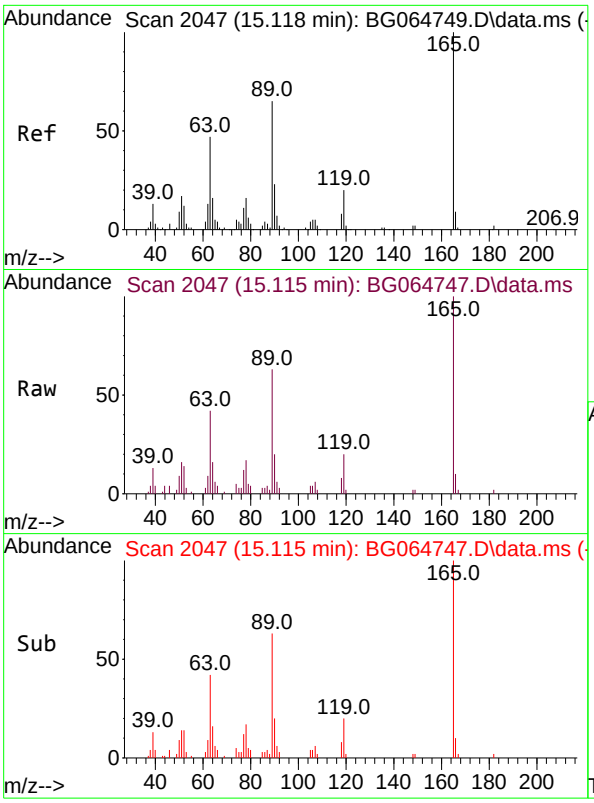


#56
4-Nitrophenol
Concen: 7.611 ng
RT: 14.951 min Scan# 2019
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:139 Resp: 8225

Ion	Ratio	Lower	Upper
139	100		
109	92.1	79.7	119.7
65	136.2	89.9	129.9#

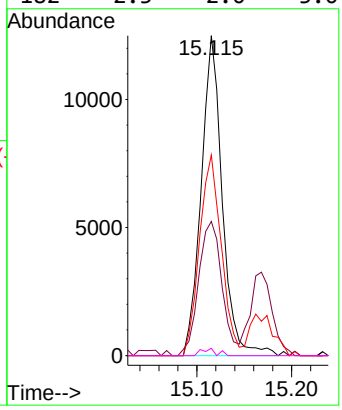




#57
2,4-Dinitrotoluene
Concen: 9.336 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:165 Resp: 1931

Ion	Ratio	Lower	Upper
165	100		
63	41.9	37.8	56.6
89	62.7	51.6	77.4
182	2.3	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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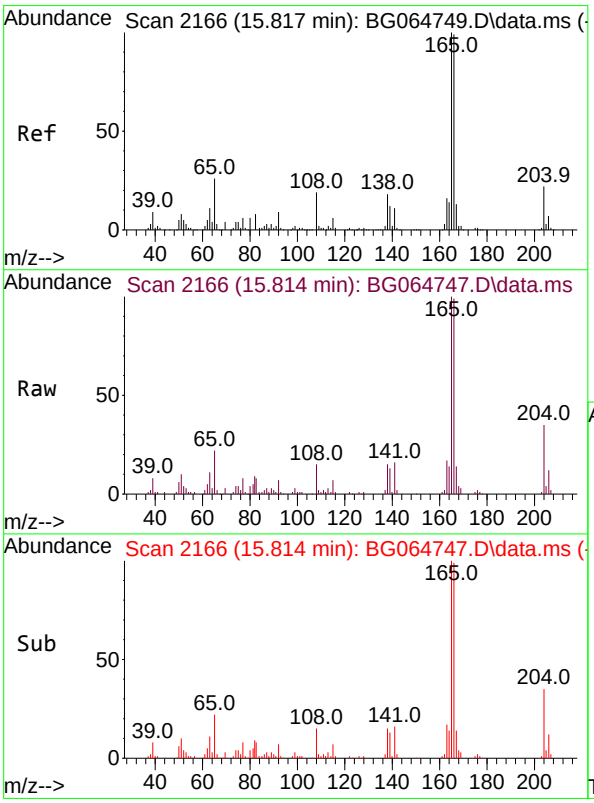
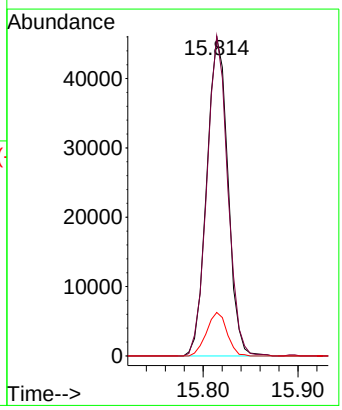
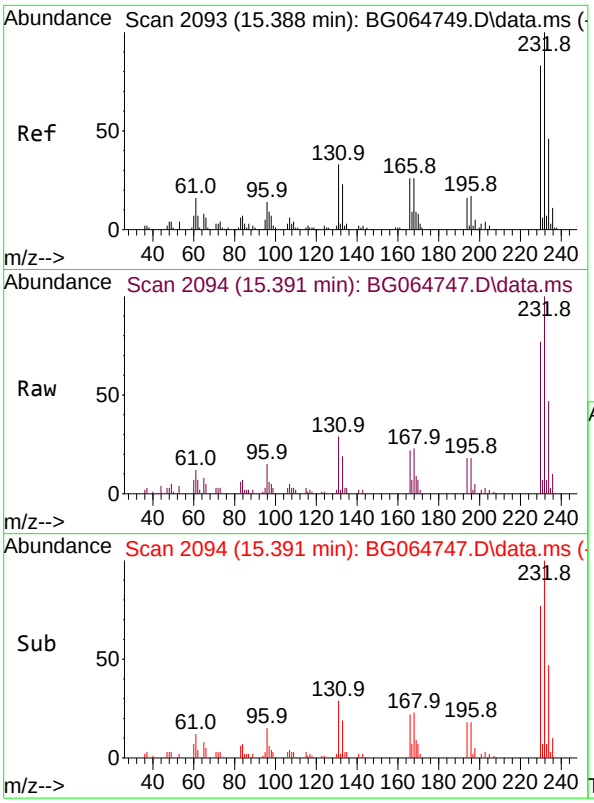


#58
Fluorene
Concen: 10.441 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:166 Resp: 71244

Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.5	120.7
167	13.6	10.3	15.5

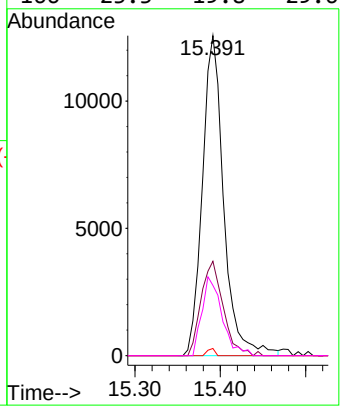




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.495 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:232 Resp: 2179

Ion	Ratio	Lower	Upper
232	100		
131	30.7	26.0	39.0
130	0.8	1.6	2.4#
166	23.3	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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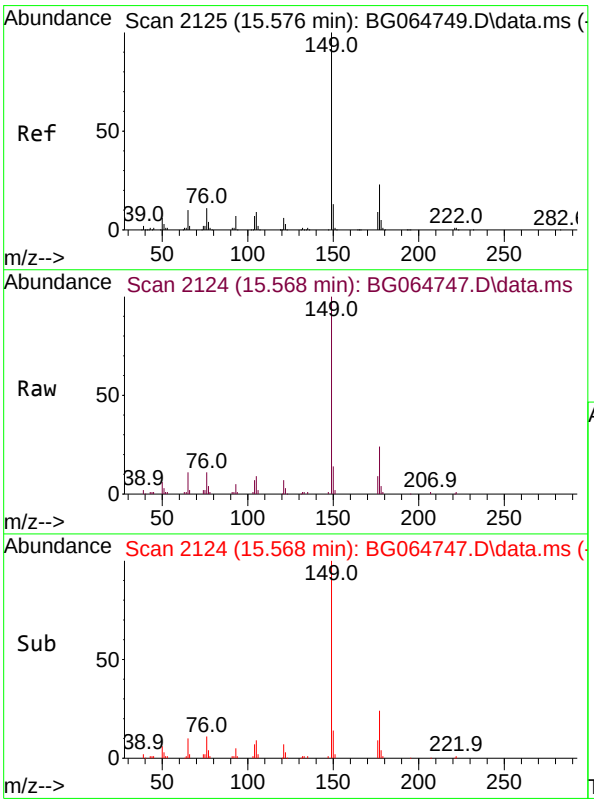
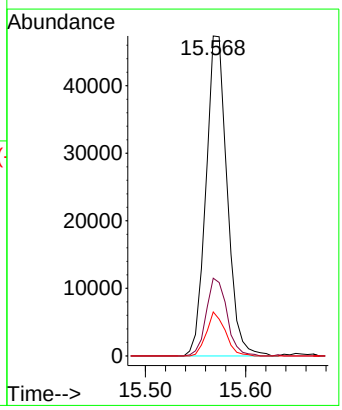
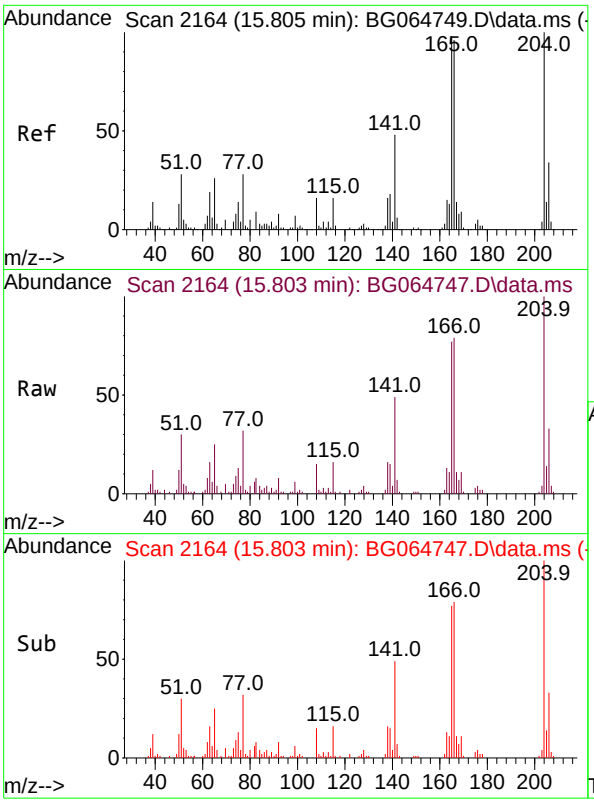


#60
Diethylphthalate
Concen: 10.053 ng
RT: 15.568 min Scan# 2124
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 69072

Ion	Ratio	Lower	Upper
149	100		
177	24.3	18.4	27.6
150	13.7	10.1	15.1

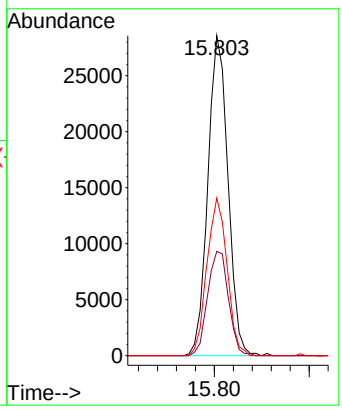




#61
4-Chlorophenyl-phenylether
Concen: 10.280 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:204 Resp: 4209

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.9	40.3
141	49.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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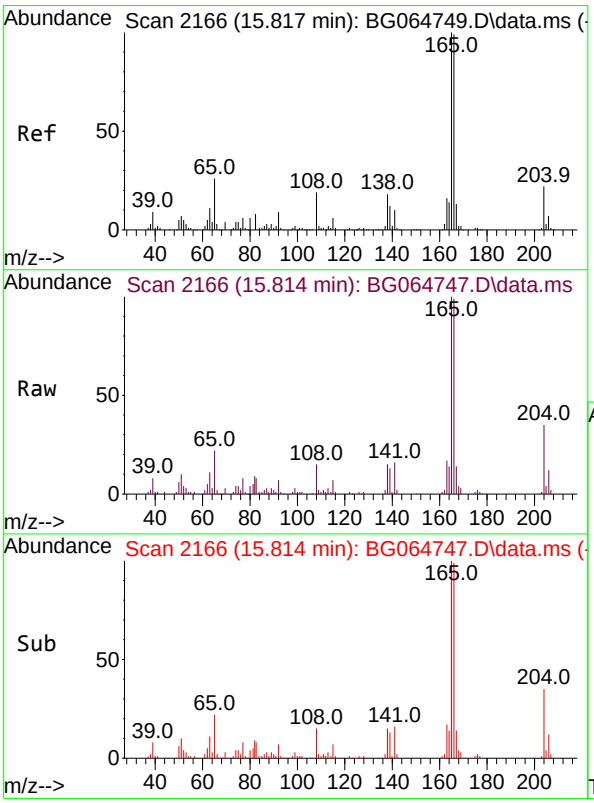
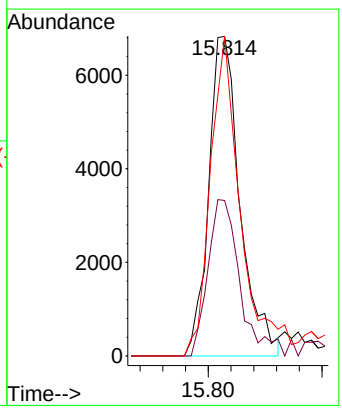
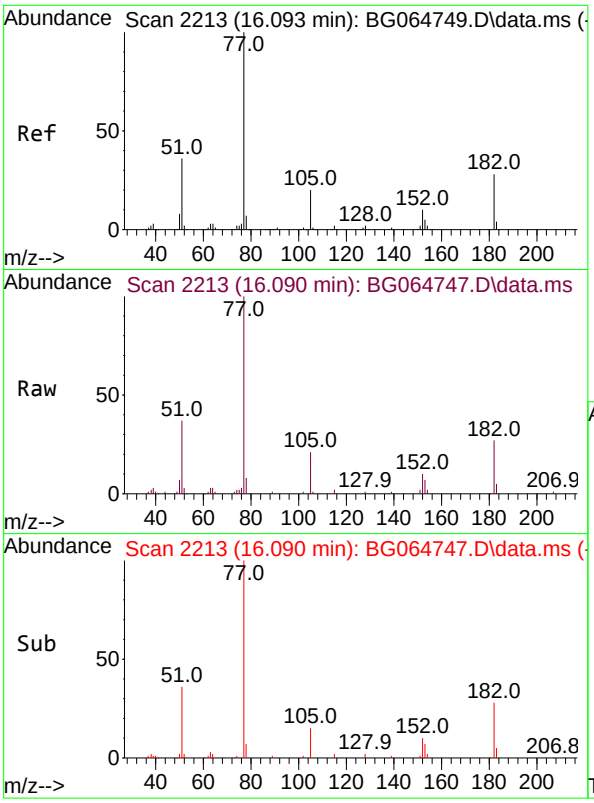


#62
4-Nitroaniline
Concen: 9.268 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:138 Resp: 13078

Ion	Ratio	Lower	Upper
138	100		
92	48.7	30.7	70.7
108	100.2	85.7	125.7

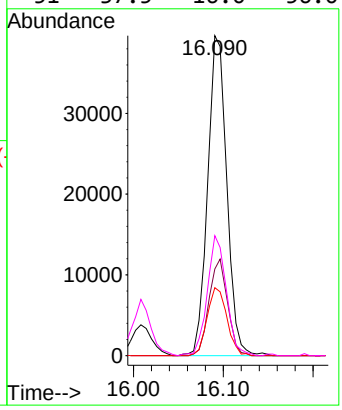




#63
Azobenzene
Concen: 10.260 ng
RT: 16.090 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion: 77 Resp: 5863

Ion	Ratio	Lower	Upper
77	100		
182	27.1	8.1	48.1
105	21.2	0.1	40.1
51	37.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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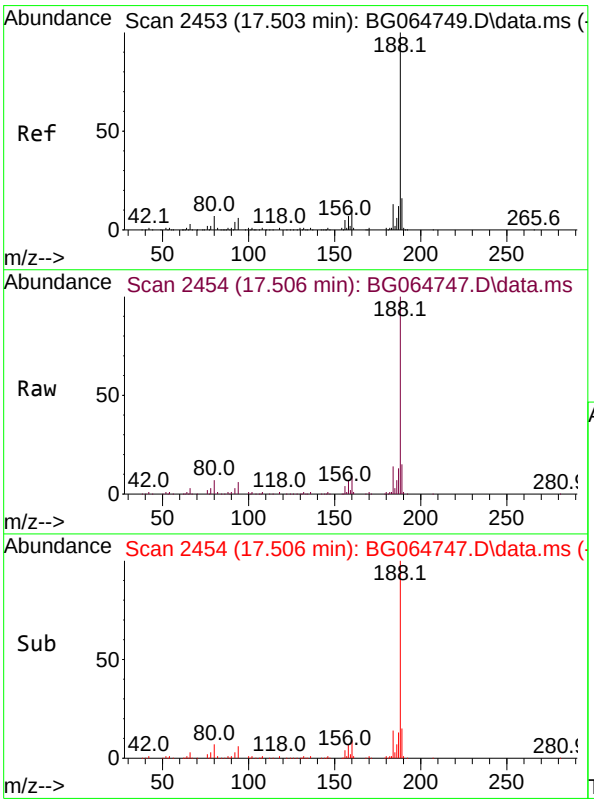
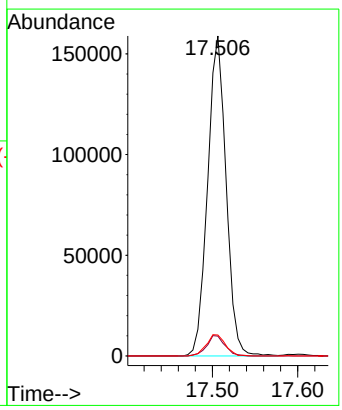
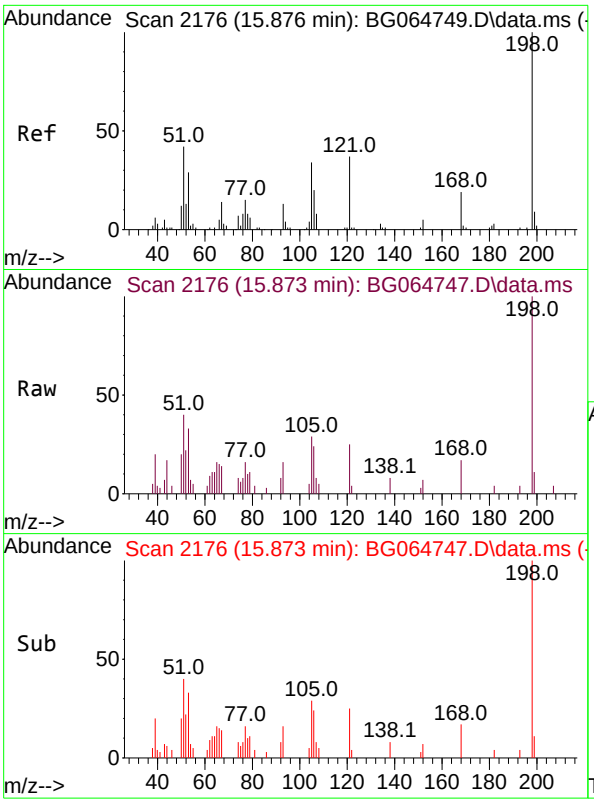


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:188 Resp: 239033

Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.7	7.1
80	6.5	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 6.563 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:198 Resp: 871

Ion	Ratio	Lower	Upper
198	100		
51	40.2	25.2	65.2
105	29.2	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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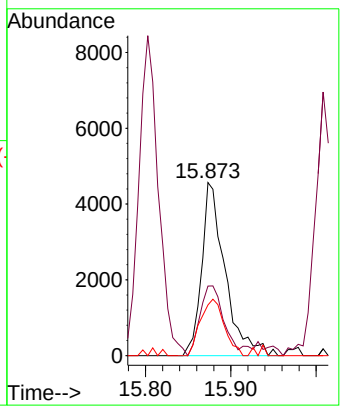
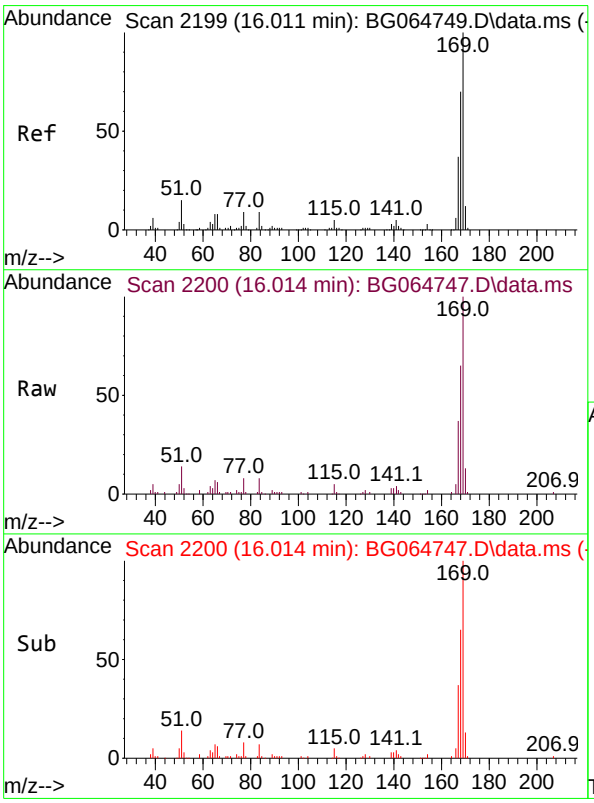
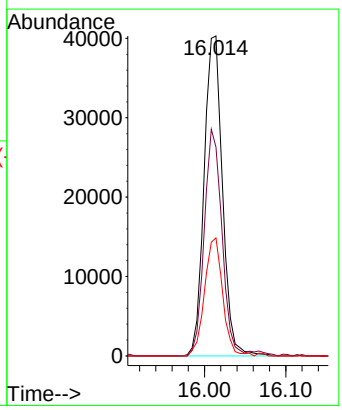


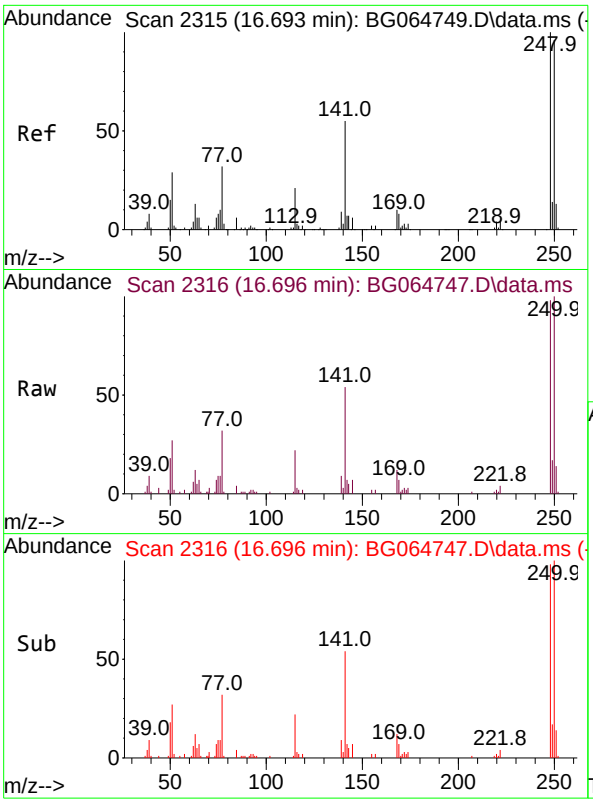


#66
n-Nitrosodiphenylamine
Concen: 10.127 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:169 Resp: 63405

Ion	Ratio	Lower	Upper
169	100		
168	65.3	55.9	83.9
167	36.9	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 10.021 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 3145

Ion	Ratio	Lower	Upper
248	100		
250	101.8	77.0	115.6
141	55.3	43.7	65.5

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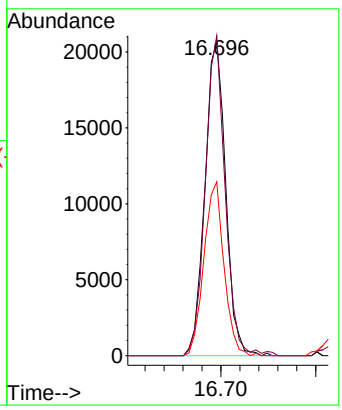
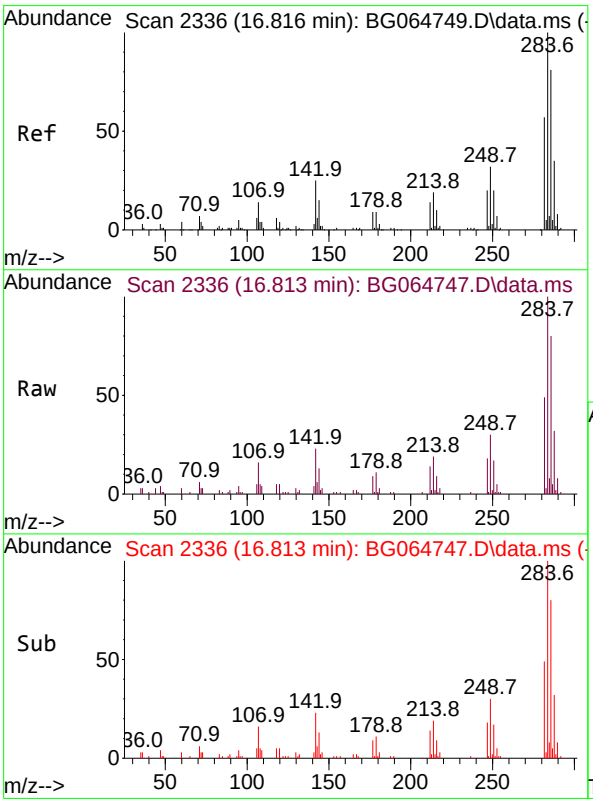
Supervised By :Sohil Jodhani 11/14/2025

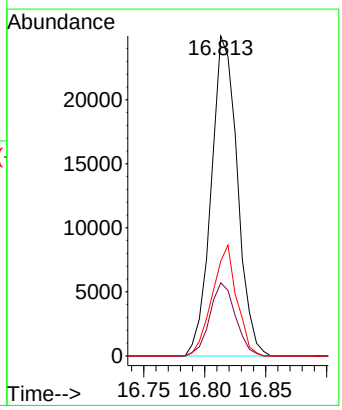


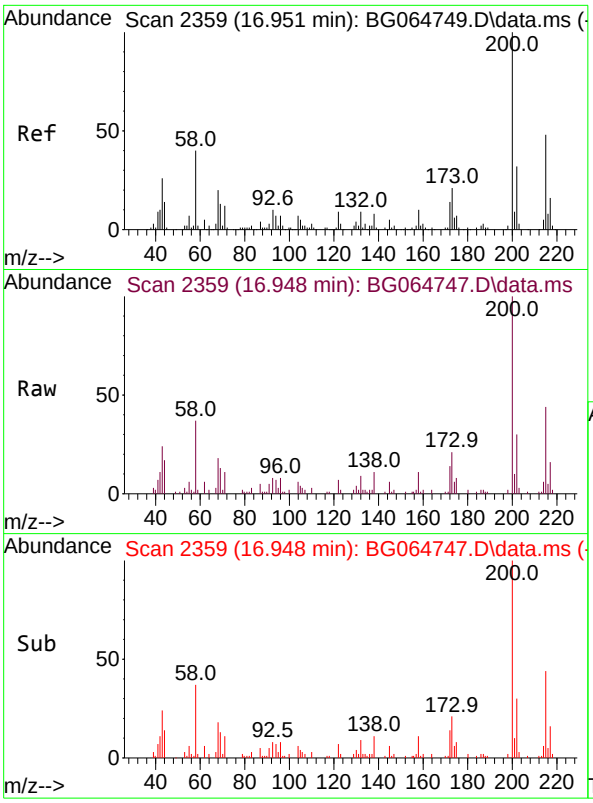


#68
Hexachlorobenzene
Concen: 9.795 ng
RT: 16.813 min Scan# 2336
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:284 Resp: 37251

Ion	Ratio	Lower	Upper
284	100		
142	22.8	19.7	29.5
249	29.6	28.1	42.1





#69
Atrazine
Concen: 9.940 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:200 Resp: 3000

Ion	Ratio	Lower	Upper
200	100		
173	20.6	0.9	40.9
215	43.8	27.5	67.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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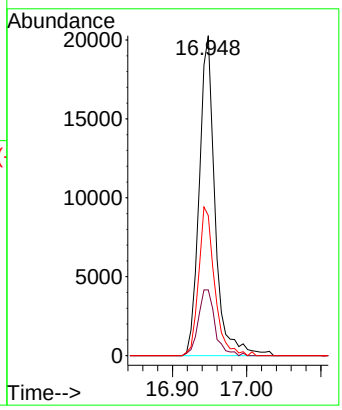
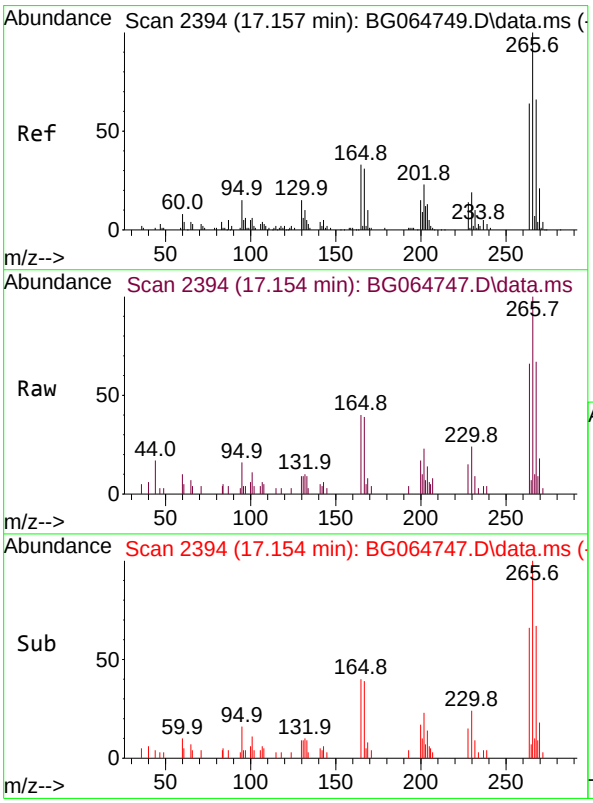
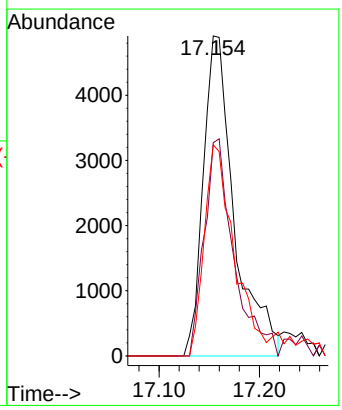


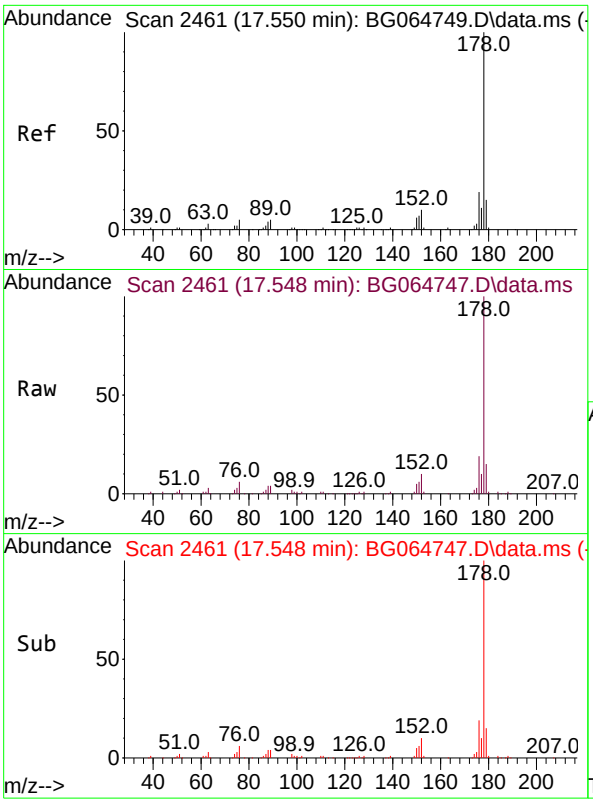


#70
Pentachlorophenol
Concen: 10.475 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:266 Resp: 10561

Ion	Ratio	Lower	Upper
266	100		
268	75.6	56.1	84.1
264	65.9	51.2	76.8

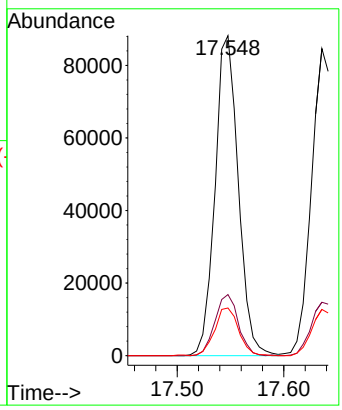




#71
Phenanthrene
Concen: 10.219 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:178 Resp: 13364

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	14.9	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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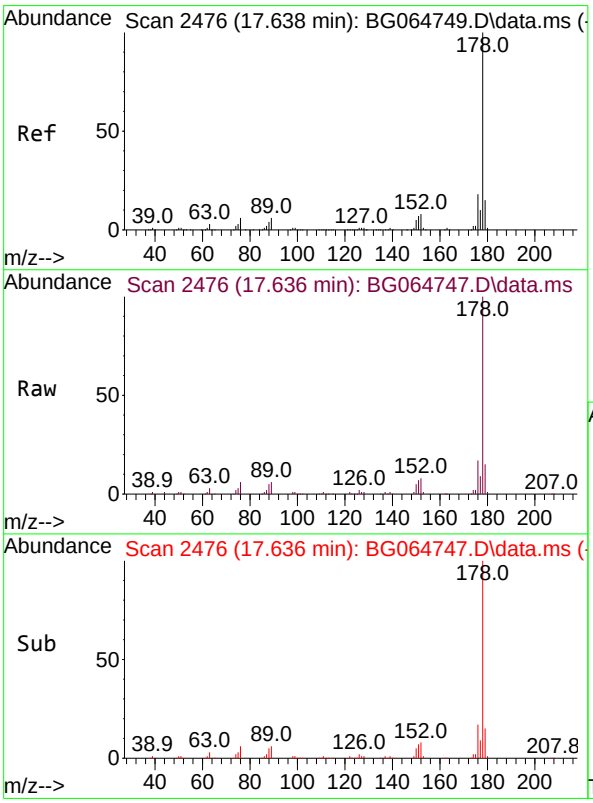
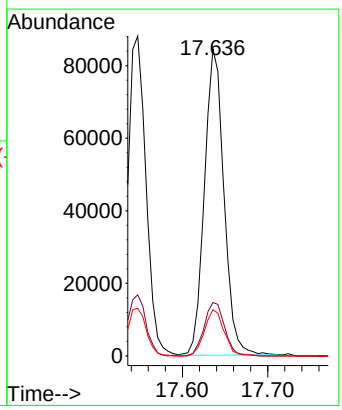
Supervised By :Sohil Jodhani 11/14/2025

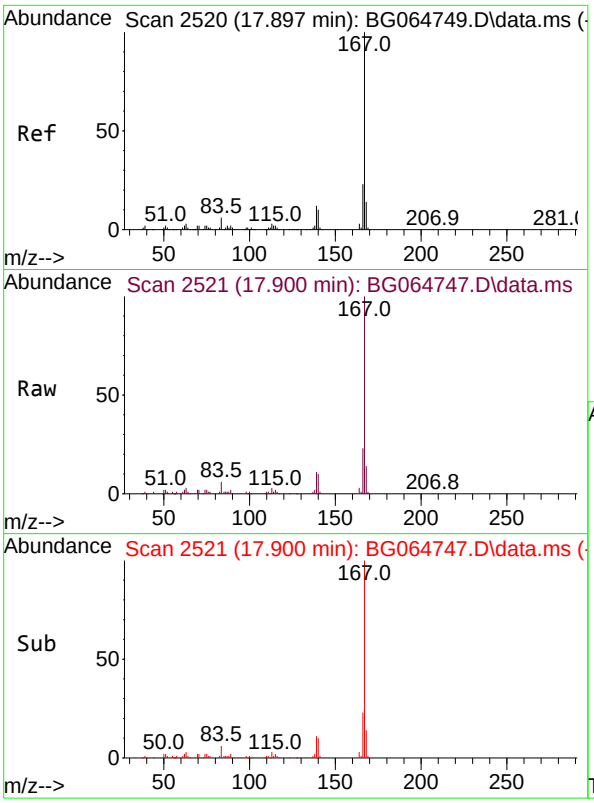


#72
Anthracene
Concen: 10.059 ng
RT: 17.636 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:178 Resp: 134138

Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.5	21.7
179	15.0	12.2	18.4

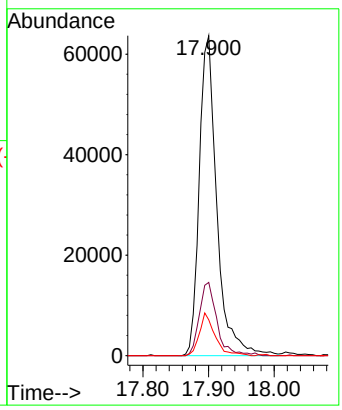




#73
Carbazole
Concen: 10.286 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:167 Resp: 11792

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	11.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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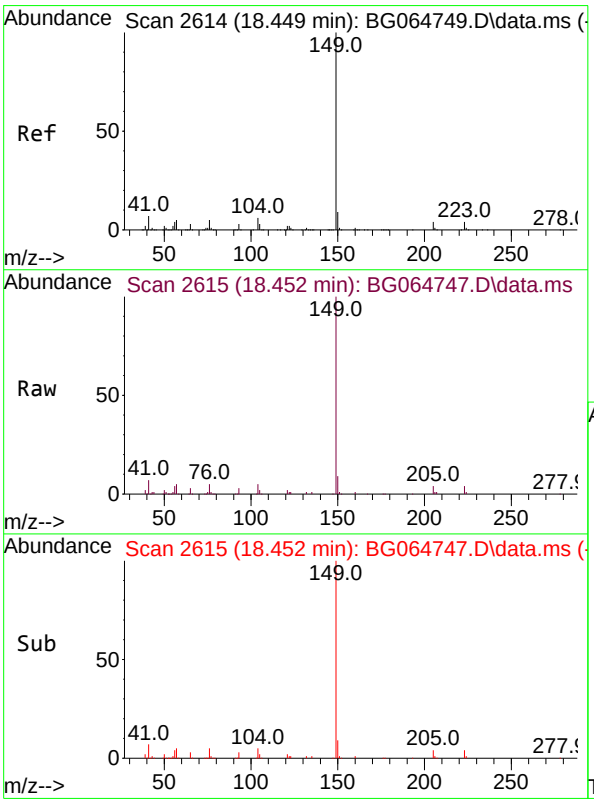
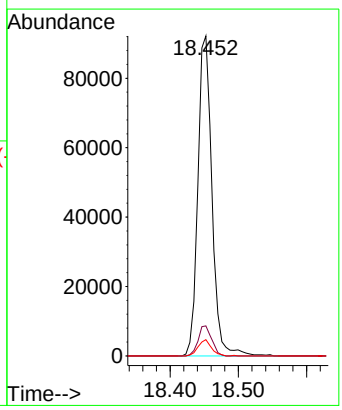
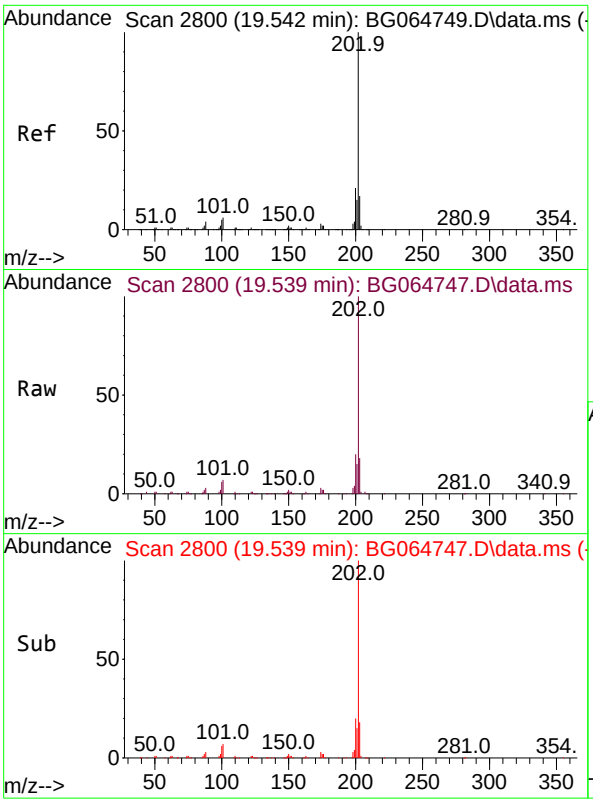


#74
Di-n-butylphthalate
Concen: 10.340 ng
RT: 18.452 min Scan# 2615
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 132248

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.4	6.6

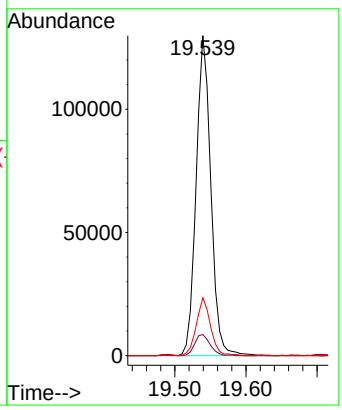




#75
Fluoranthene
Concen: 10.409 ng
RT: 19.539 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:202 Resp: 186154

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.4
203	18.1	0.0	37.5



Instrument :
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ClientSampleId :
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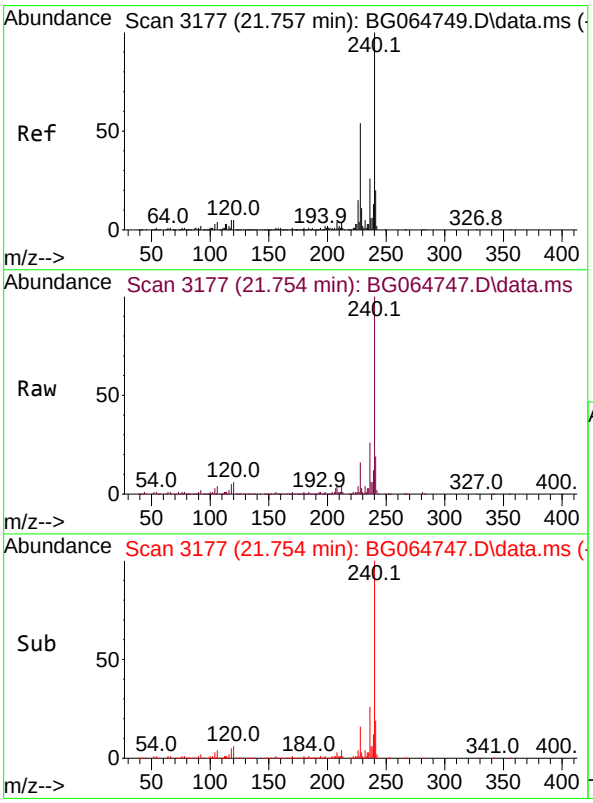
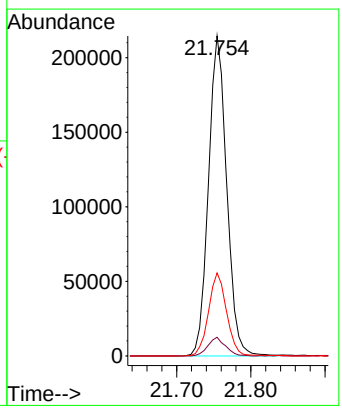
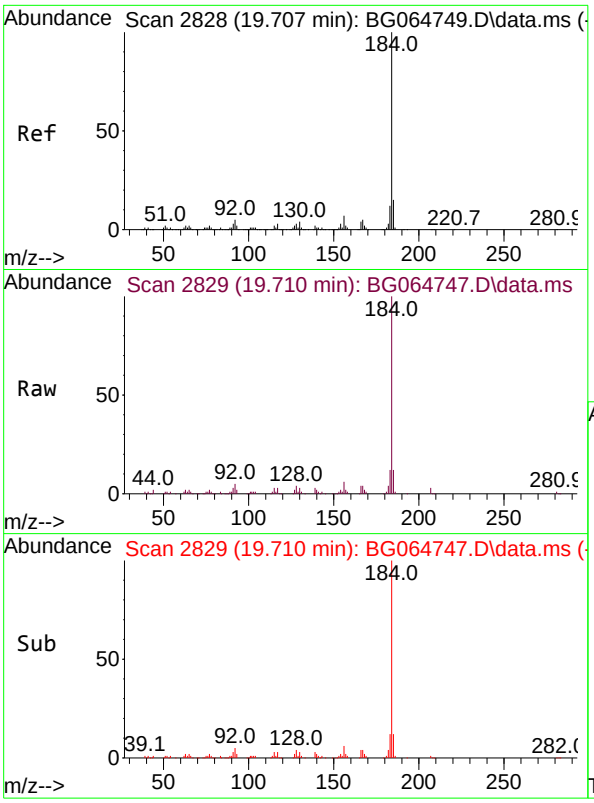


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:240 Resp: 366018

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.2	6.4
236	25.9	20.8	31.2

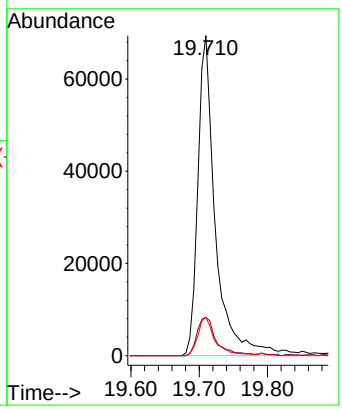




#77
Benzidine
Concen: 11.249 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:184 Resp: 12330

Ion	Ratio	Lower	Upper
184	100		
185	12.0	11.8	17.6
183	12.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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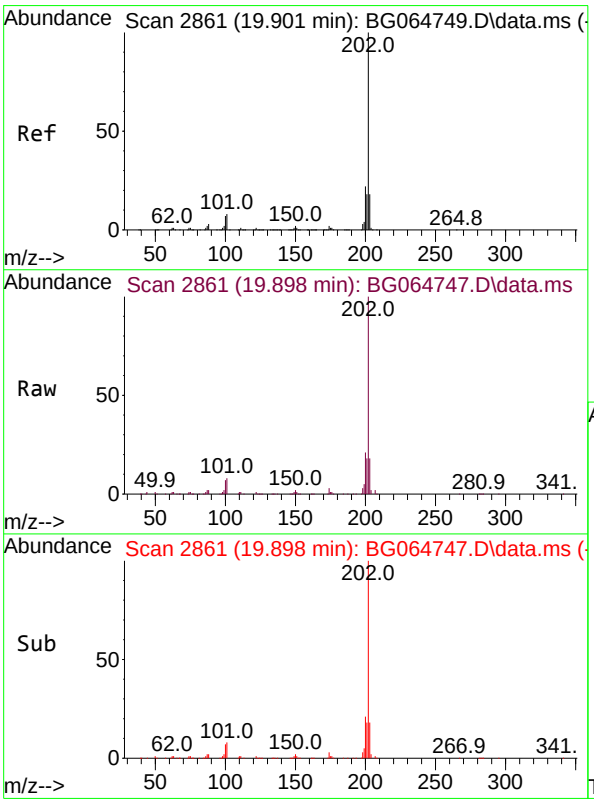
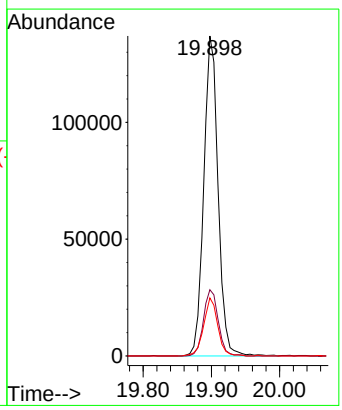
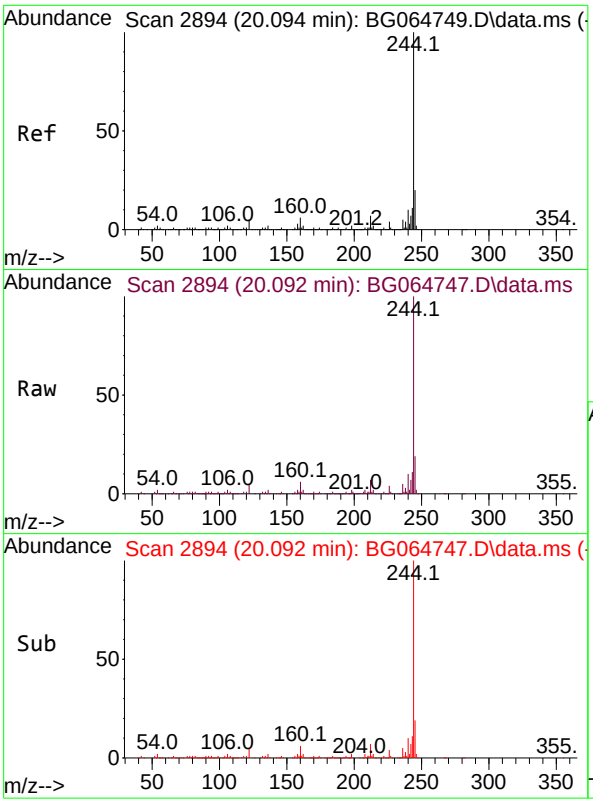


#78
Pyrene
Concen: 9.719 ng
RT: 19.898 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:202 Resp: 199370

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.9	26.9
203	18.1	14.0	21.0





#79
Terphenyl-d14
Concen: 20.217 ng
RT: 20.092 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:244 Resp: 37617

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	5.5	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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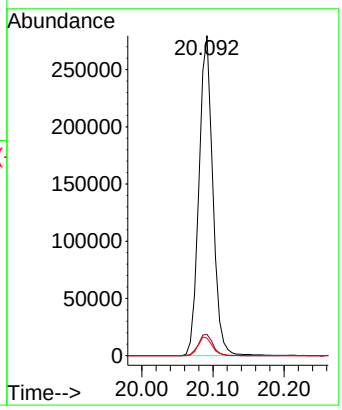
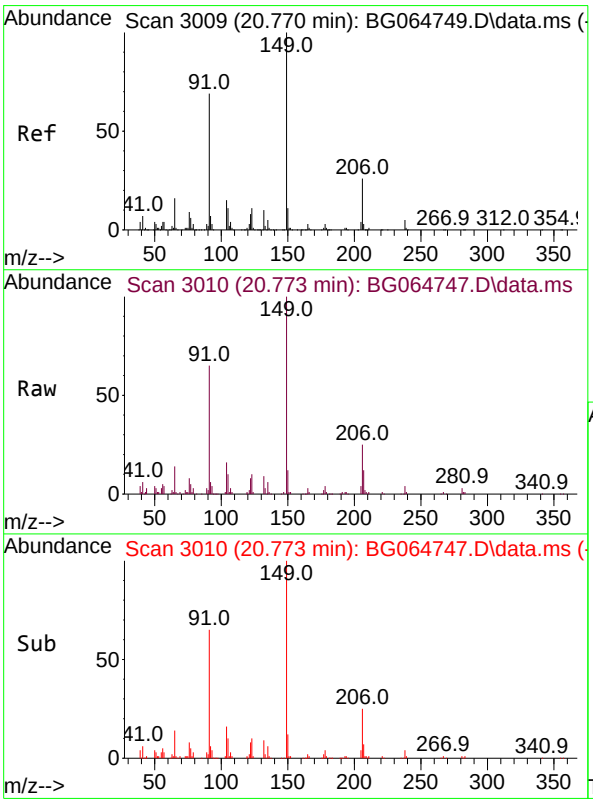
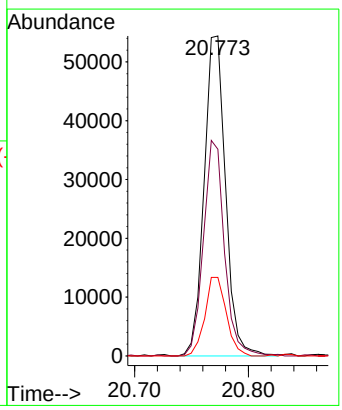


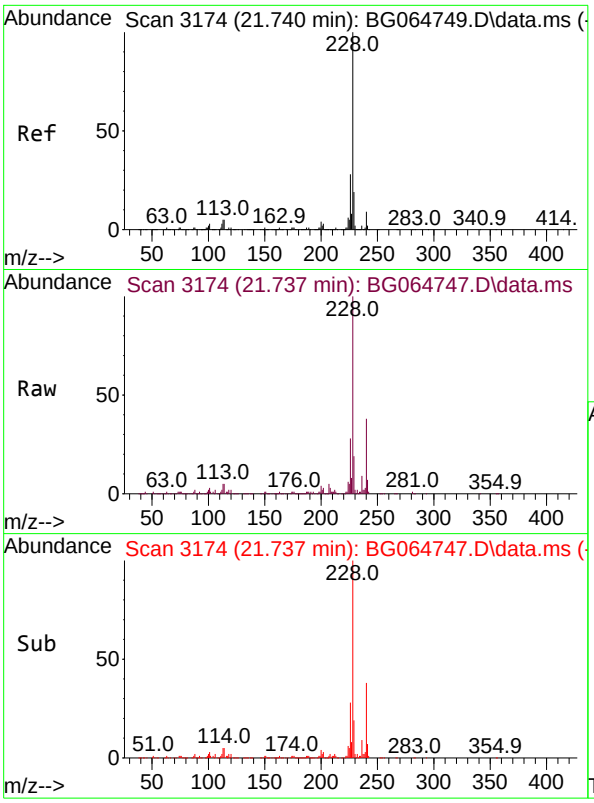


#80
Butylbenzylphthalate
Concen: 9.908 ng
RT: 20.773 min Scan# 3010
Delta R.T. 0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 71488

Ion	Ratio	Lower	Upper
149	100		
91	64.6	54.9	82.3
206	24.5	21.2	31.8

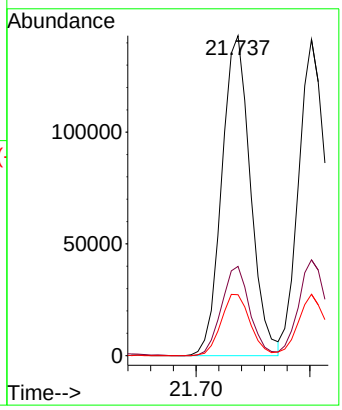




#81
Benzo(a)anthracene
Concen: 10.079 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:228 Resp: 25084

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	19.0	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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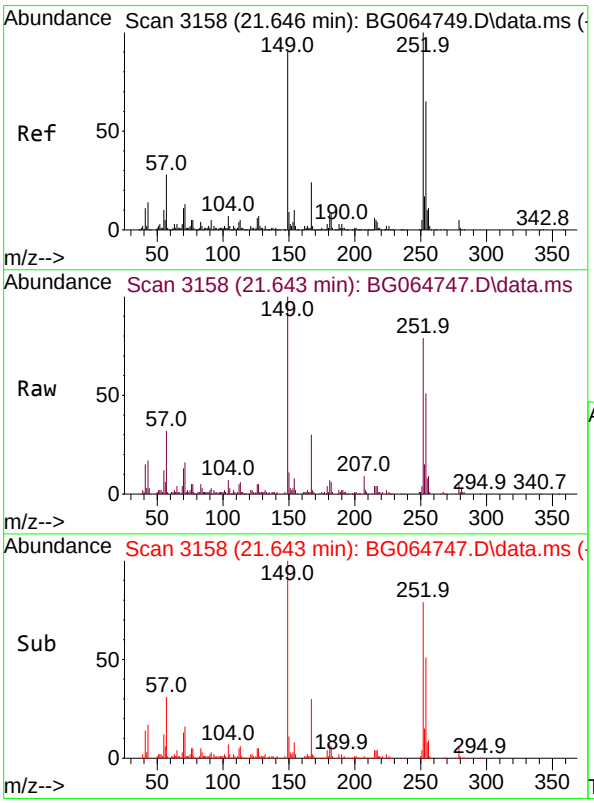
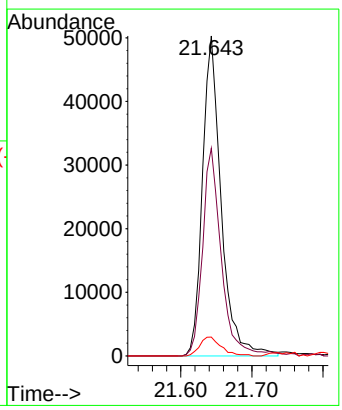
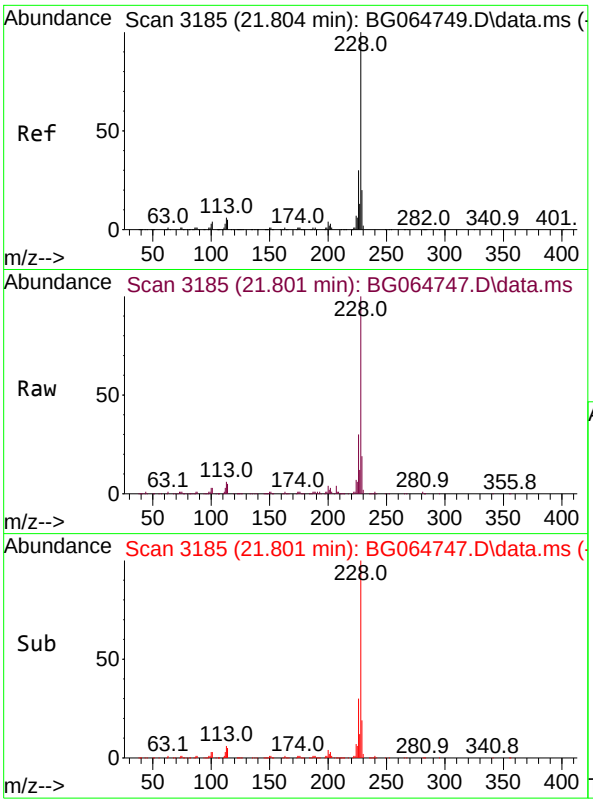


#82
3,3'-Dichlorobenzidine
Concen: 10.018 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 91769

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.8
126	5.9	4.7	7.1

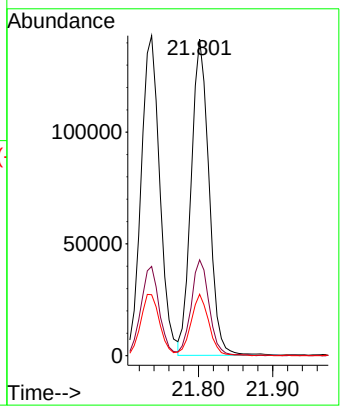




#83
Chrysene
Concen: 10.080 ng
RT: 21.801 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:228 Resp: 23651

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.4	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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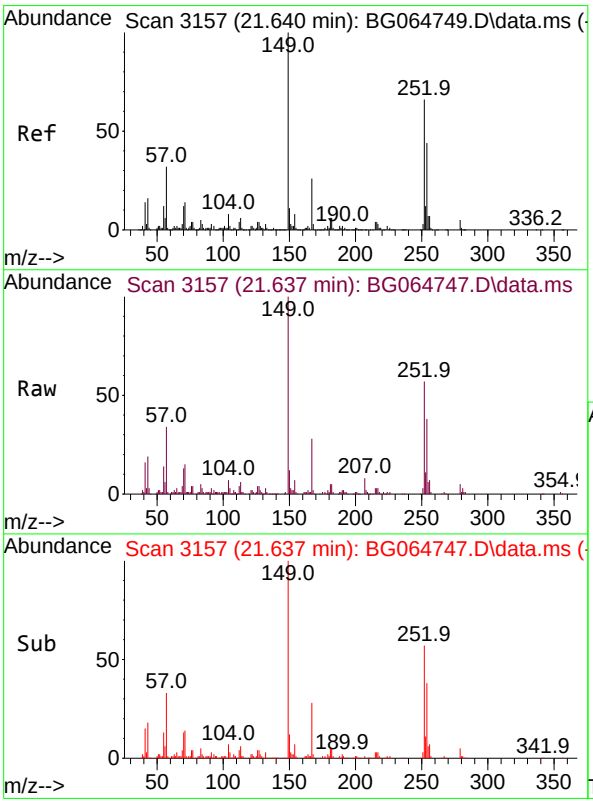
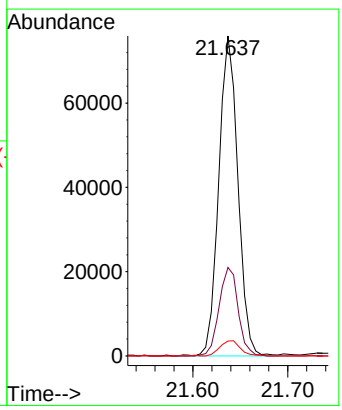
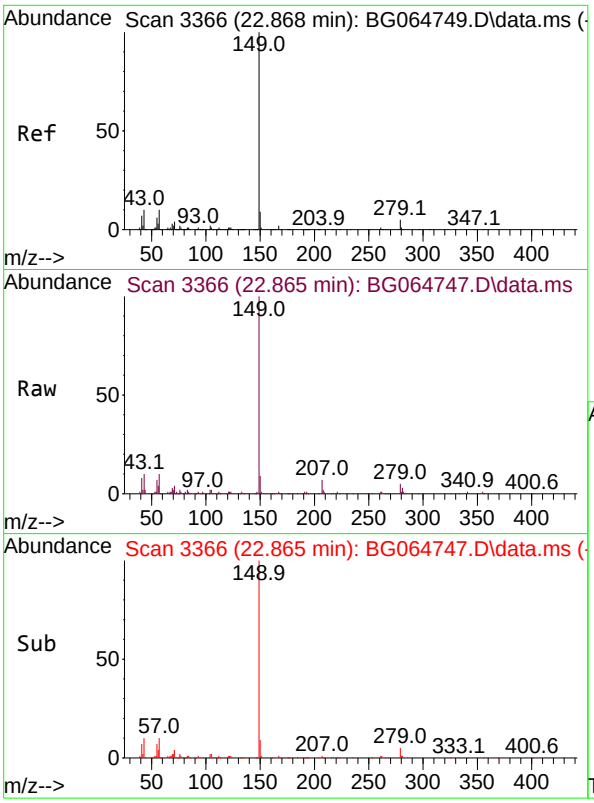


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.092 ng
RT: 21.637 min Scan# 3157
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 106405

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.0	31.4
279	4.6	4.1	6.1

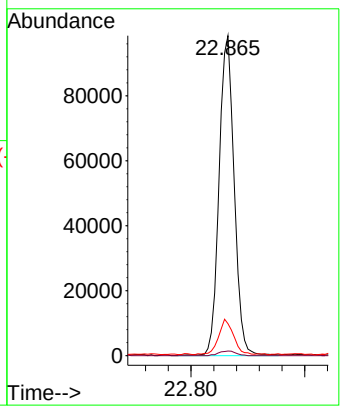




#85
Di-n-octyl phthalate
Concen: 9.967 ng
RT: 22.865 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:149 Resp: 18165

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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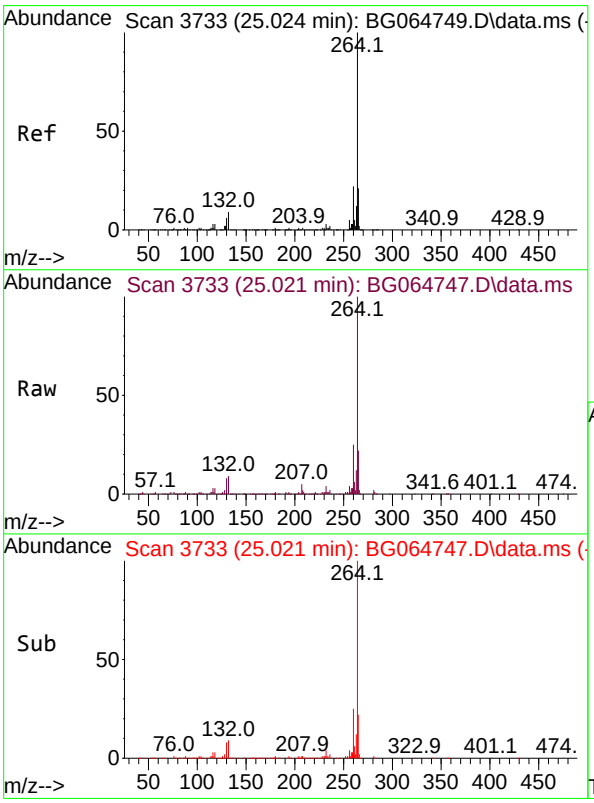
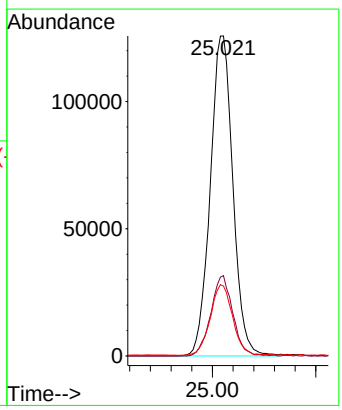
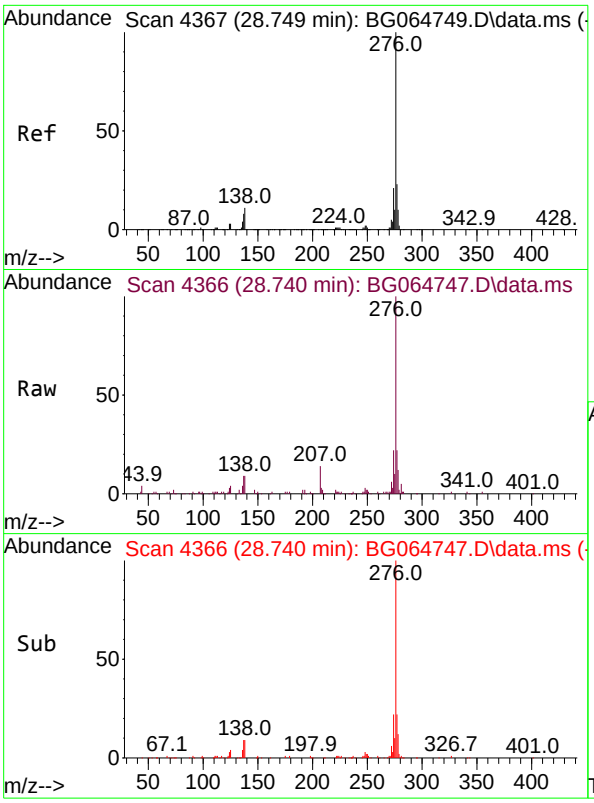


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3733
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:264 Resp: 382667

Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.2	25.8
265	21.9	16.6	25.0

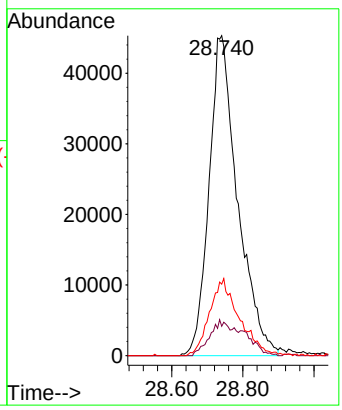




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.636 ng
RT: 28.740 min Scan# 4
Delta R.T. -0.009 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:276 Resp: 25332

Ion	Ratio	Lower	Upper
276	100		
138	9.2	4.5	6.7#
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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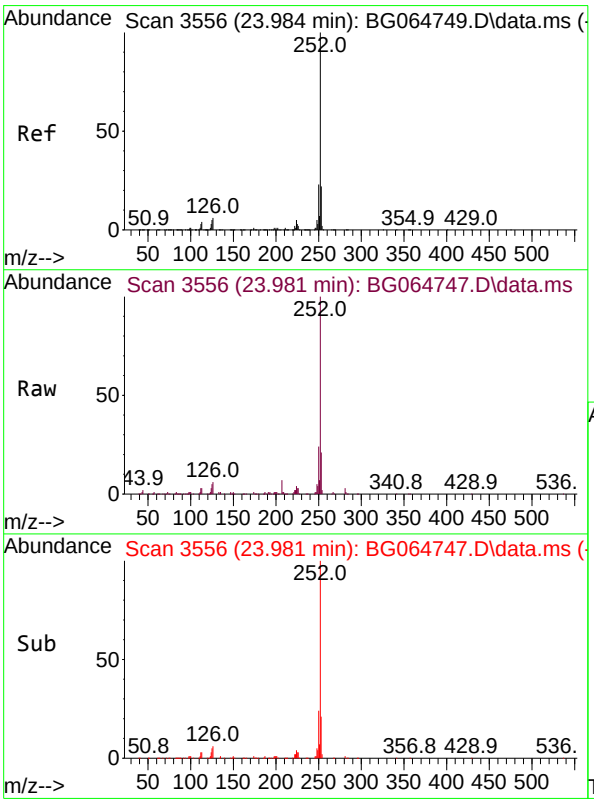
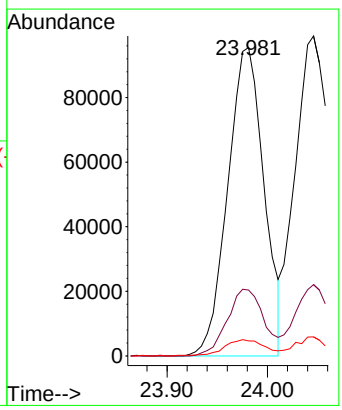
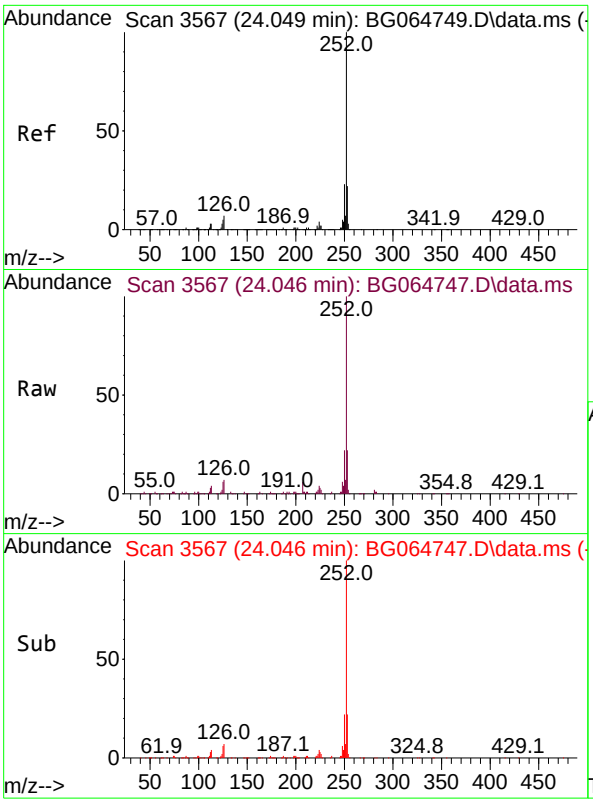


#88
Benzo(b)fluoranthene
Concen: 9.825 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 239260

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	4.8	4.2	6.2

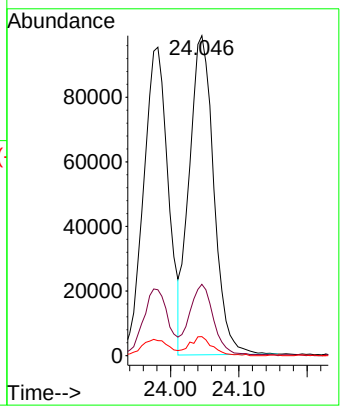




#89
Benzo(k)fluoranthene
Concen: 10.137 ng
RT: 24.046 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 24800

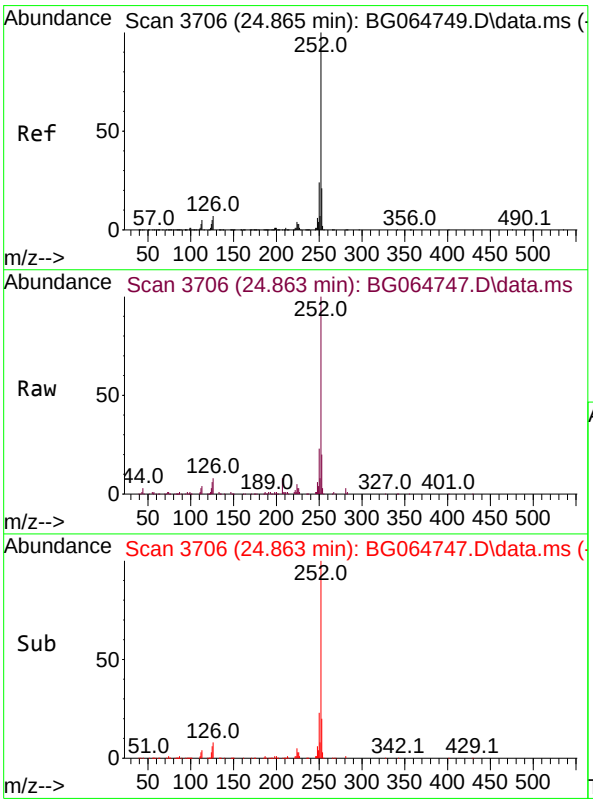
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	5.9	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

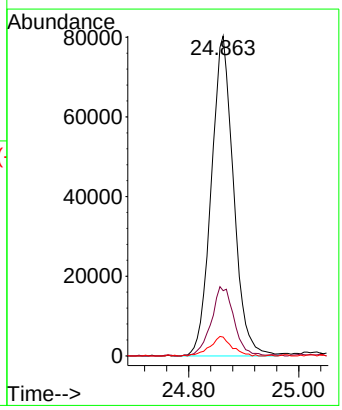
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

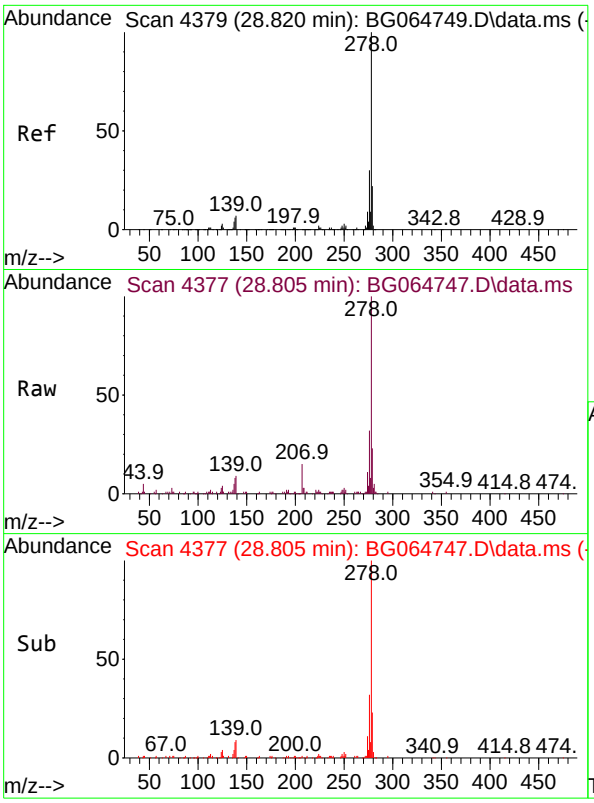


#90
Benzo(a)pyrene
Concen: 9.960 ng
RT: 24.863 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:252 Resp: 224991

Ion	Ratio	Lower	Upper
252	100		
253	20.4	16.9	25.3
125	5.9	4.2	6.4

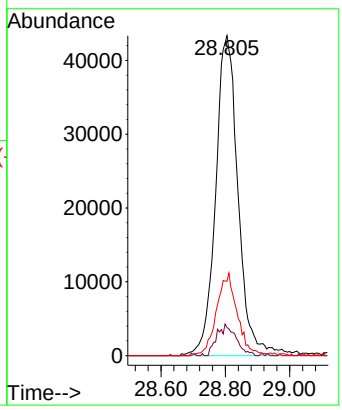




#91
Dibenzo(a,h)anthracene
Concen: 9.702 ng
RT: 28.805 min Scan# 4
Delta R.T. -0.015 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:278 Resp: 20896

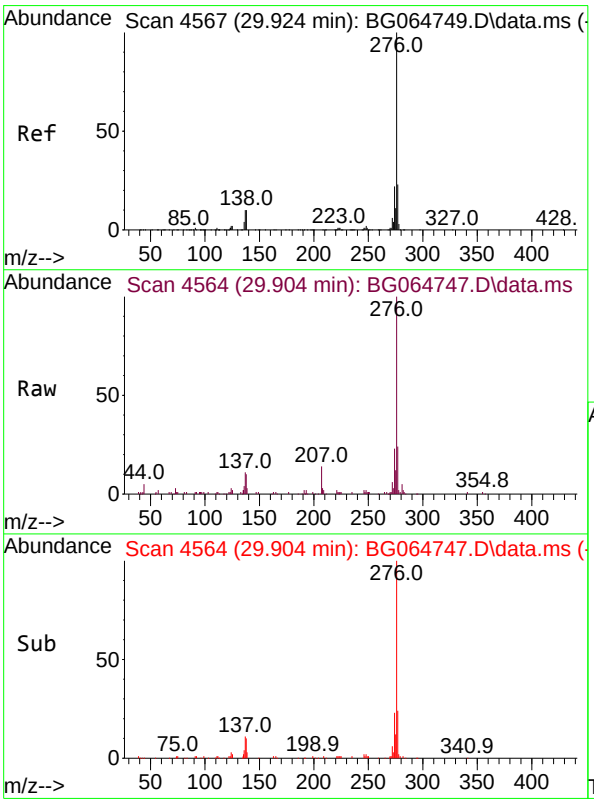
Ion	Ratio	Lower	Upper
278	100		
139	8.8	5.8	8.8#
279	23.3	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

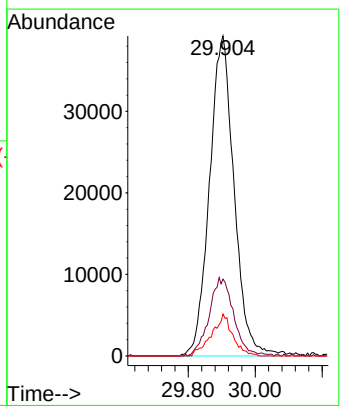
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 9.639 ng
RT: 29.904 min Scan# 4564
Delta R.T. -0.020 min
Lab File: BG064747.D
Acq: 12 Nov 2025 12:39

Tgt Ion:276 Resp: 199793

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.0	27.0
138	13.1	8.2	12.2#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	30983	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	122144	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	99587	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	258312	20.000	ng	0.00
76) Chrysene-d12	21.757	240	361266	20.000	ng	0.00
86) Perylene-d12	25.018	264	380612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	72167	40.674	ng	0.00
7) Phenol-d6	7.304	99	95345	40.402	ng	0.00
23) Nitrobenzene-d5	9.325	82	100042	40.496	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	81708	42.069	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	300532	42.108	ng	0.00
79) Terphenyl-d14	20.089	244	766056	41.712	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.532	88	13788	20.073	ng	95
3) Pyridine	3.943	79	40729	19.901	ng	97
4) n-Nitrosodimethylamine	3.849	42	20577	19.754	ng	100
6) Aniline	7.480	93	65205	20.729	ng	96
8) 2-Chlorophenol	7.727	128	39290	20.167	ng	97
9) Benzaldehyde	7.292	77	30372	19.661	ng	96
10) Phenol	7.333	94	51616	20.103	ng	97
11) bis(2-Chloroethyl)ether	7.574	93	37916	20.752	ng	98
12) 1,3-Dichlorobenzene	8.056	146	46058	20.545	ng	96
13) 1,4-Dichlorobenzene	8.203	146	47387	20.759	ng	96
14) 1,2-Dichlorobenzene	8.526	146	44745	20.216	ng	96
15) Benzyl Alcohol	8.397	79	38065	19.651	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.696	45	91675	21.198	ng	98
17) 2-Methylphenol	8.596	107	37068	20.403	ng	93
18) Hexachloroethane	9.266	117	17722	20.498	ng	97
19) n-Nitroso-di-n-propyla...	8.967	70	34572	21.667	ng	94
20) 3+4-Methylphenols	8.925	107	50448	20.269	ng	88
22) Acetophenone	8.984	105	70914	21.310	ng	99
24) Nitrobenzene	9.366	77	52662	21.097	ng	93
25) Isophorone	9.895	82	97191	20.659	ng	95
26) 2-Nitrophenol	10.089	139	23040	20.521	ng	96
27) 2,4-Dimethylphenol	10.136	122	41015	20.563	ng	97
28) bis(2-Chloroethoxy)met...	10.371	93	54247	21.004	ng	100
29) 2,4-Dichlorophenol	10.623	162	44768	20.905	ng	95
30) 1,2,4-Trichlorobenzene	10.847	180	54086	20.916	ng	99
31) Naphthalene	11.035	128	142862	20.633	ng	99
32) Benzoic acid	10.218	122	20309m	18.429	ng	
33) 4-Chloroaniline	11.129	127	58239	21.026	ng	98
34) Hexachlorobutadiene	11.323	225	45189	20.367	ng	98
35) Caprolactam	11.875	113	12678	19.811	ng	95
36) 4-Chloro-3-methylphenol	12.233	107	48730	20.444	ng	98
37) 2-Methylnaphthalene	12.627	142	110208	21.269	ng	99
38) 1-Methylnaphthalene	12.844	142	107491	20.884	ng	96
40) 1,2,4,5-Tetrachloroben...	12.991	216	80735	20.831	ng	99
41) Hexachlorocyclopentadiene	12.974	237	54509	19.622	ng	98
43) 2,4,6-Trichlorophenol	13.214	196	46989	20.658	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.291	196	54340	21.300	ng		95
46) 1,1'-Biphenyl	13.614	154	149187	20.857	ng		97
47) 2-Chloronaphthalene	13.661	162	116198	20.620	ng		97
48) 2-Nitroaniline	13.849	65	37146	20.495	ng		97
49) Acenaphthylene	14.501	152	198809	20.651	ng		98
50) Dimethylphthalate	14.219	163	164729	20.940	ng		99
51) 2,6-Dinitrotoluene	14.331	165	31143	20.573	ng		96
52) Acenaphthene	14.836	154	116463	20.176	ng		97
53) 3-Nitroaniline	14.666	138	29942	20.041	ng		95
54) 2,4-Dinitrophenol	14.871	184	11387	18.387	ng		94
55) Dibenzofuran	15.171	168	198574	20.809	ng		97
56) 4-Nitrophenol	14.954	139	22343	18.849	ng	#	86
57) 2,4-Dinitrotoluene	15.112	165	47500	20.931	ng		98
58) Fluorene	15.817	166	158837	21.222	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.388	232	51855	20.601	ng		97
60) Diethylphthalate	15.571	149	157815	20.942	ng		99
61) 4-Chlorophenyl-phenyle...	15.806	204	93601	20.839	ng		97
62) 4-Nitroaniline	15.811	138	31639	20.442	ng		90
63) Azobenzene	16.093	77	130344	20.795	ng		97
65) 4,6-Dinitro-2-methylph...	15.876	198	25607	17.855	ng		96
66) n-Nitrosodiphenylamine	16.011	169	140419	20.753	ng		100
67) 4-Bromophenyl-phenylether	16.693	248	69609	20.520	ng		98
68) Hexachlorobenzene	16.816	284	84192	20.485	ng		98
69) Atrazine	16.945	200	66348	20.339	ng		97
70) Pentachlorophenol	17.157	266	35678	19.686	ng		99
71) Phenanthrene	17.545	178	290163	20.531	ng		100
72) Anthracene	17.639	178	297476	20.642	ng		100
73) Carbazole	17.897	167	253683	20.477	ng		99
74) Di-n-butylphthalate	18.450	149	285465	20.654	ng		98
75) Fluoranthene	19.542	202	395447	20.462	ng		98
77) Benzidine	19.707	184	228040	21.077	ng		99
78) Pyrene	19.901	202	413710	20.433	ng		97
80) Butylbenzylphthalate	20.770	149	145343	20.408	ng		97
81) Benzo(a)anthracene	21.734	228	503863	20.512	ng		99
82) 3,3'-Dichlorobenzidine	21.640	252	186980	20.680	ng		99
83) Chrysene	21.804	228	470111	20.299	ng		99
84) Bis(2-ethylhexyl)phtha...	21.640	149	216073	20.763	ng		98
85) Di-n-octyl phthalate	22.862	149	370539	20.598	ng		99
87) Indeno(1,2,3-cd)pyrene	28.737	276	528109	20.196	ng	#	96
88) Benzo(b)fluoranthene	23.978	252	494588	20.419	ng		99
89) Benzo(k)fluoranthene	24.049	252	502781	20.661	ng		98
90) Benzo(a)pyrene	24.860	252	455638	20.279	ng	#	97
91) Dibenzo(a,h)anthracene	28.808	278	429357	20.043	ng		93
92) Benzo(g,h,i)perylene	29.901	276	415387	20.148	ng		99

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

ICAL Form

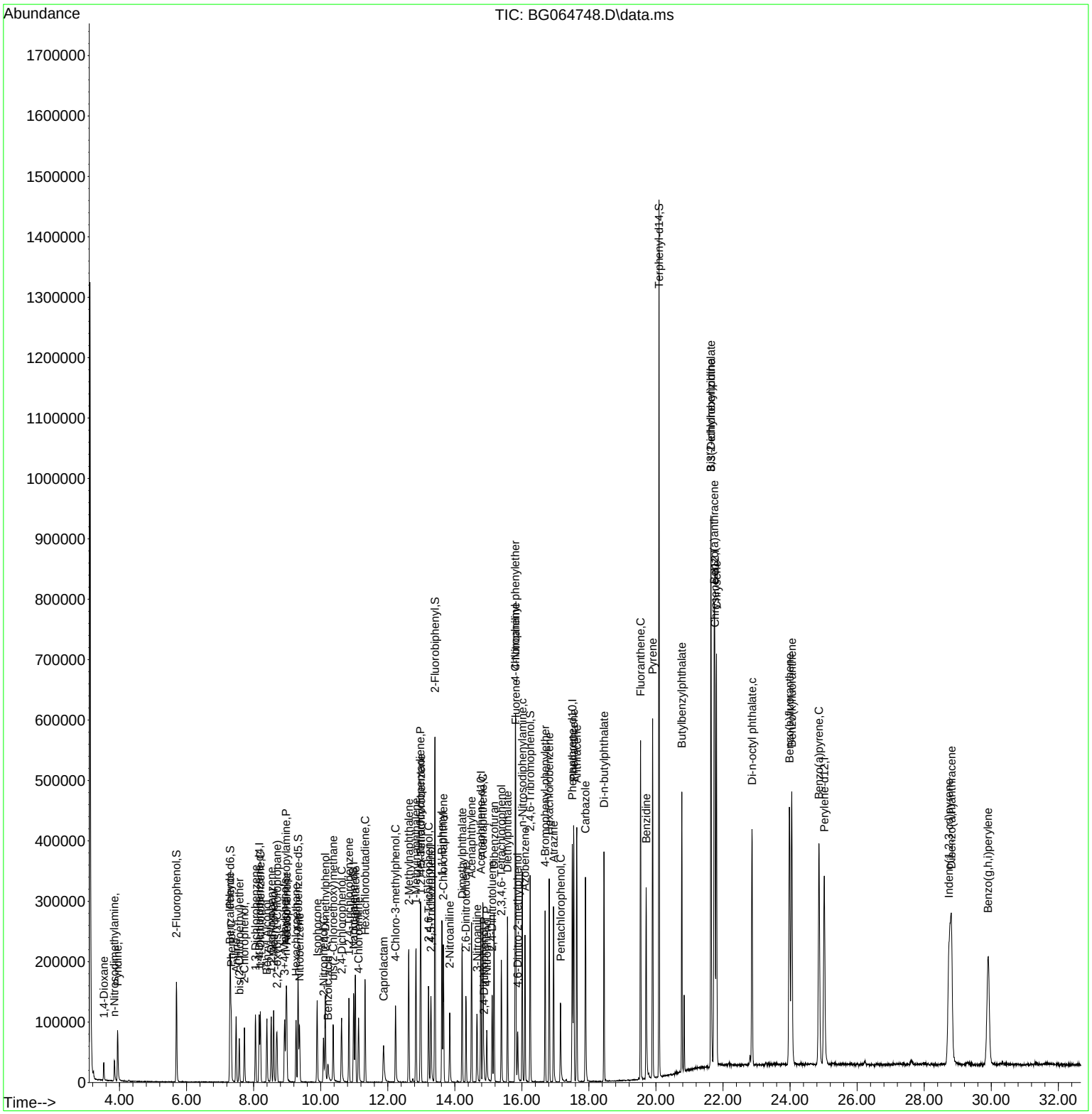
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064748.D
Acq On : 12 Nov 2025 13:20
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

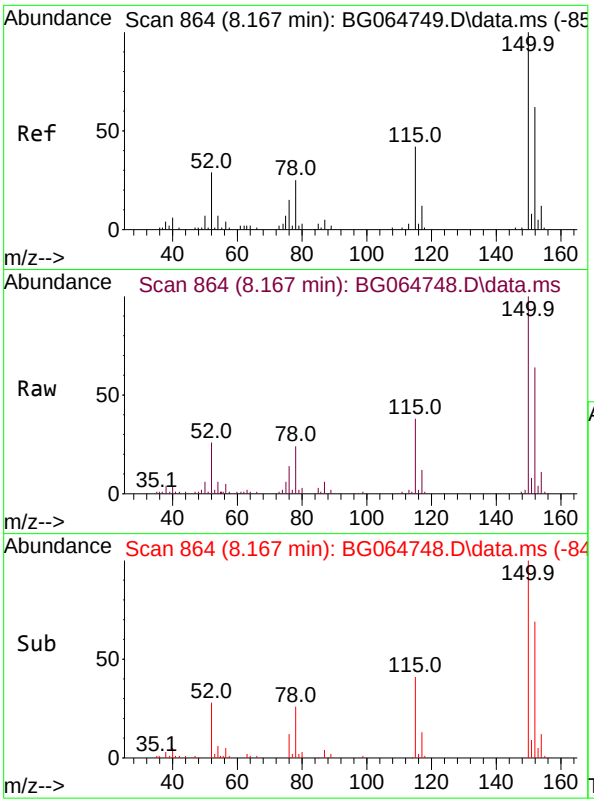
Quant Time: Nov 12 16:56:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

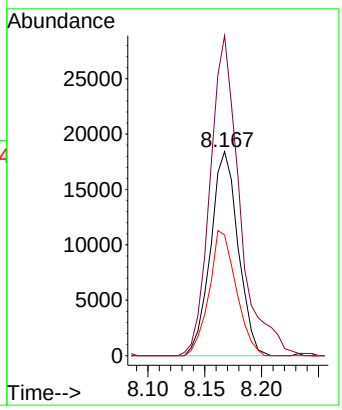




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:152 Resp: 3098

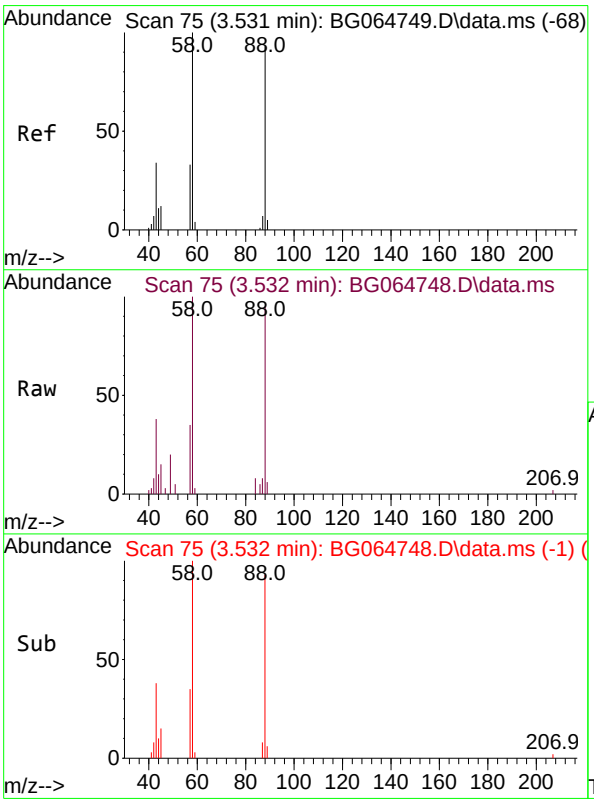
Ion	Ratio	Lower	Upper
152	100		
150	156.8	129.2	193.8
115	59.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

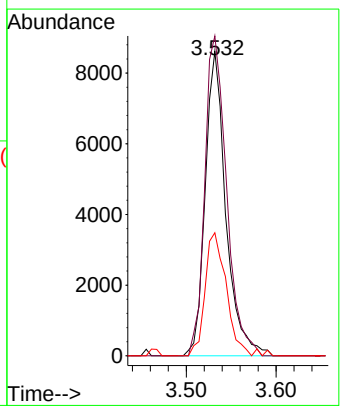
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

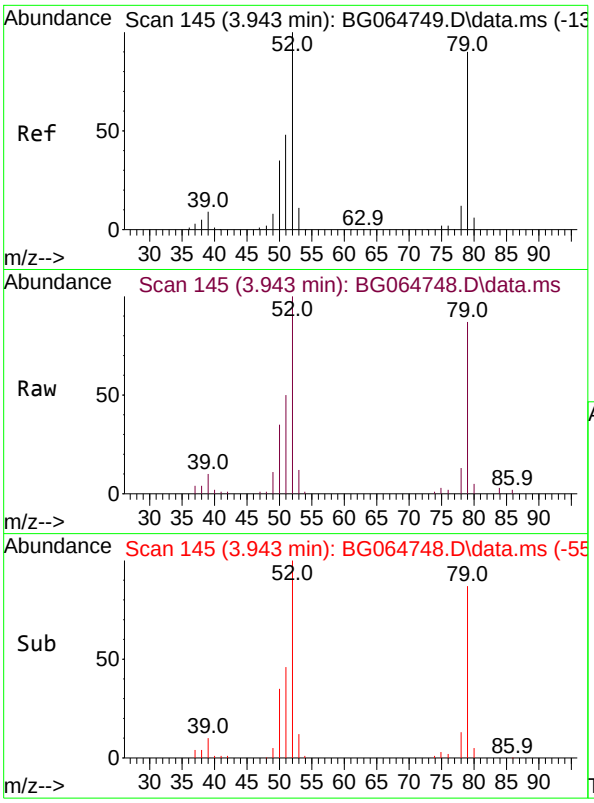


#2
1,4-Dioxane
Concen: 20.073 ng
RT: 3.532 min Scan# 75
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 88 Resp: 13788

Ion	Ratio	Lower	Upper
88	100		
58	110.7	84.6	126.8
43	41.3	30.0	45.0

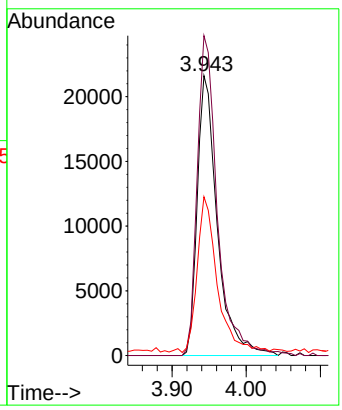




#3
Pyridine
Concen: 19.901 ng
RT: 3.943 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 79 Resp: 4072

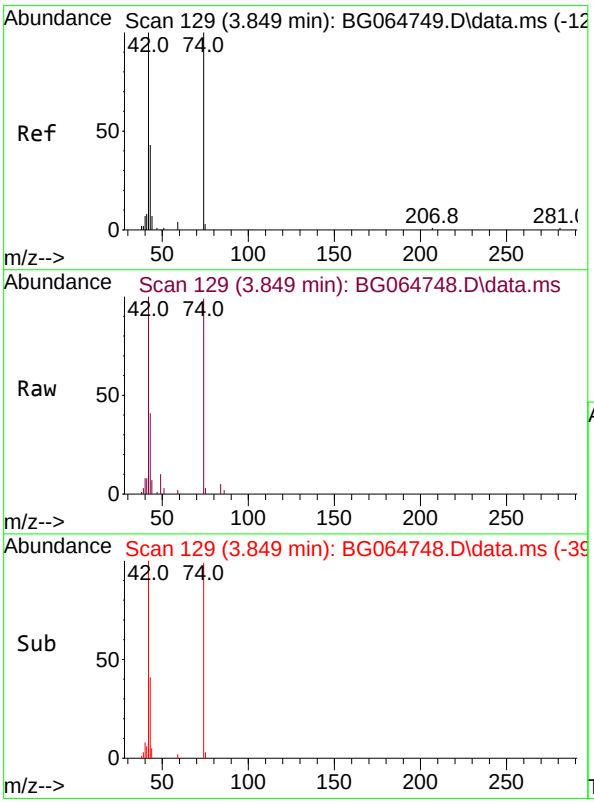
Ion	Ratio	Lower	Upper
79	100		
52	114.3	89.0	133.4
51	56.7	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

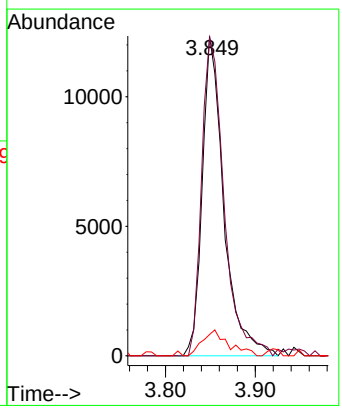
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

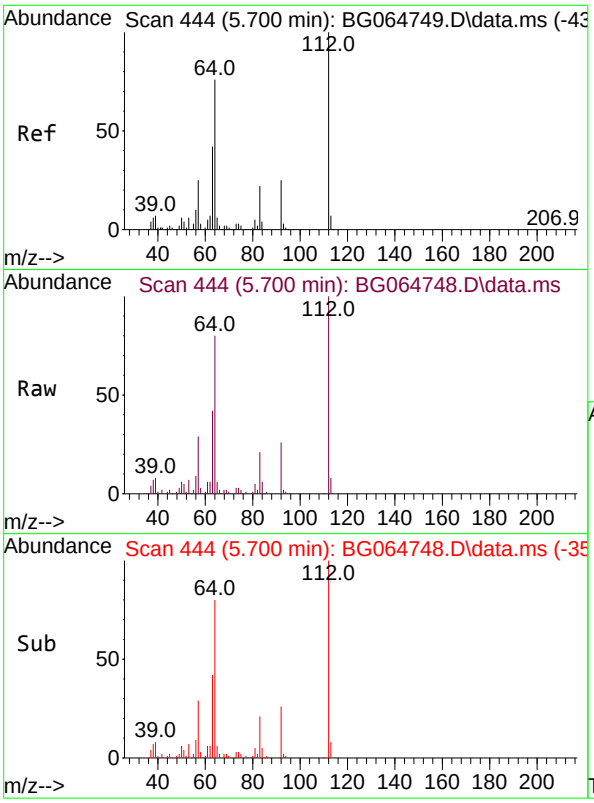


#4
n-Nitrosodimethylamine
Concen: 19.754 ng
RT: 3.849 min Scan# 129
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 42 Resp: 20577

Ion	Ratio	Lower	Upper
42	100		
74	99.5	79.8	119.6
44	6.7	5.9	8.9





#5
2-Fluorophenol
Concen: 40.674 ng
RT: 5.700 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

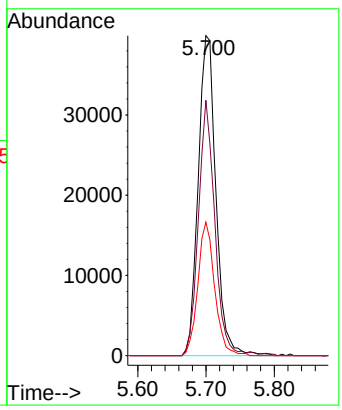
Tgt Ion:112 Resp: 7216

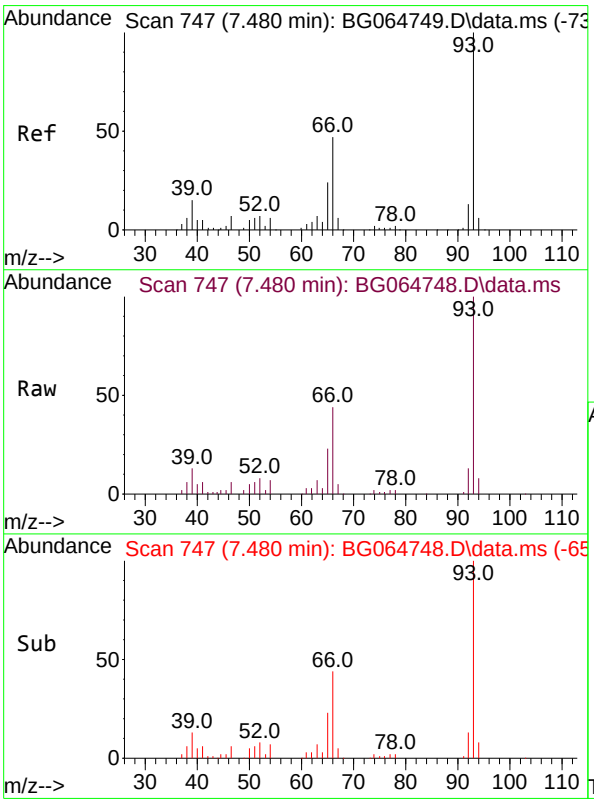
Ion	Ratio	Lower	Upper
112	100		
64	79.8	61.0	91.4
63	41.7	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

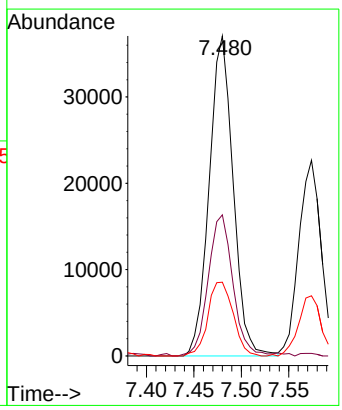


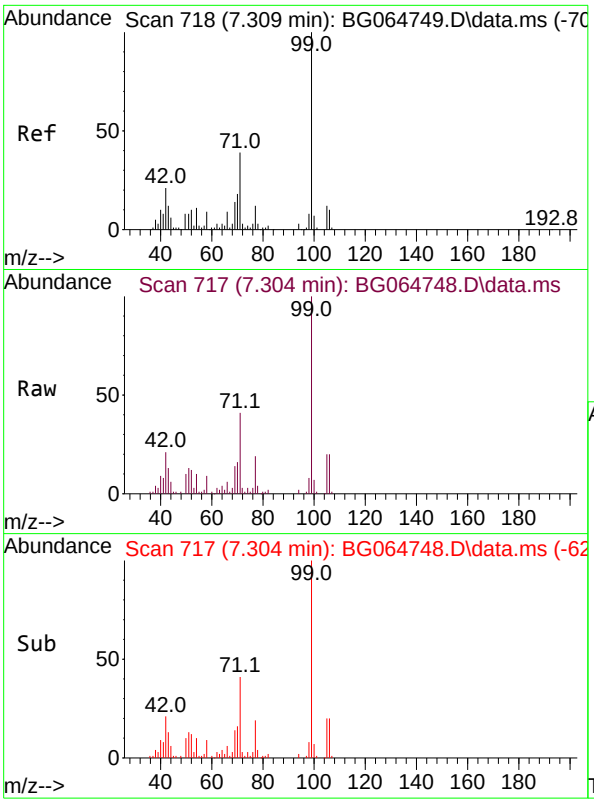


#6
Aniline
Concen: 20.729 ng
RT: 7.480 min Scan# 747
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 65205

Ion	Ratio	Lower	Upper
93	100		
66	44.1	37.7	56.5
65	23.0	19.1	28.7

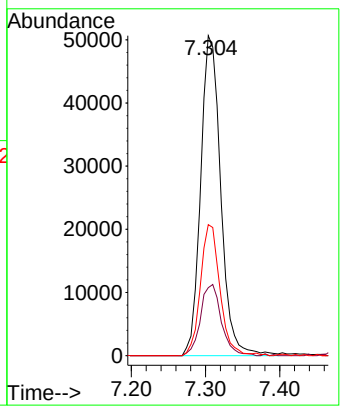




#7
Phenol-d6
Concen: 40.402 ng
RT: 7.304 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 99 Resp: 9534

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	40.9	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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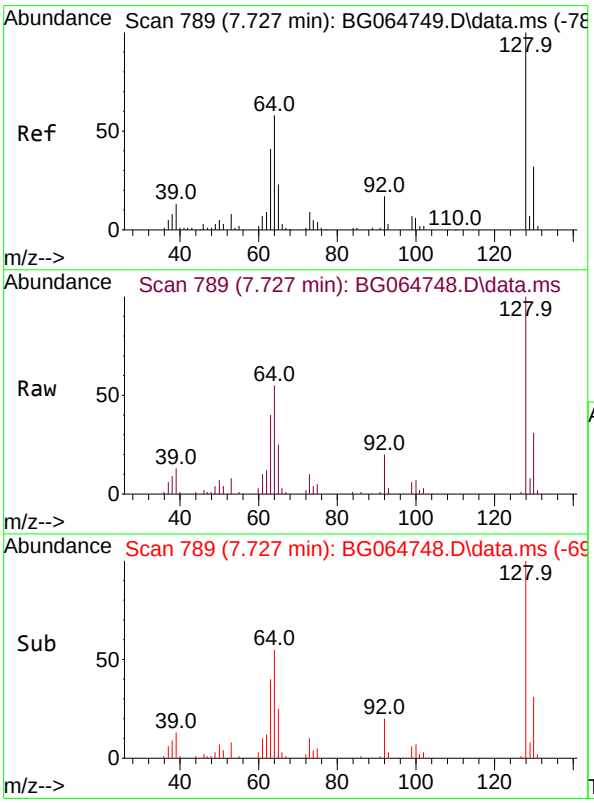
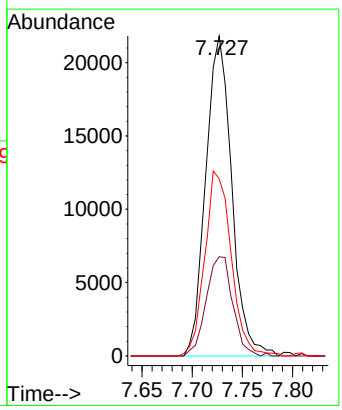
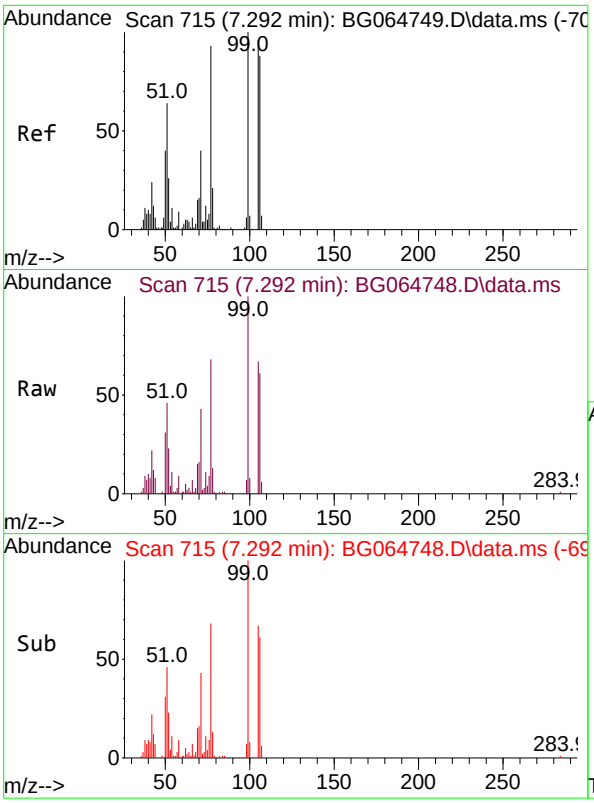


#8
2-Chlorophenol
Concen: 20.167 ng
RT: 7.727 min Scan# 789
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:128 Resp: 39290

Ion	Ratio	Lower	Upper
128	100		
130	31.0	11.9	51.9
64	55.3	38.4	78.4

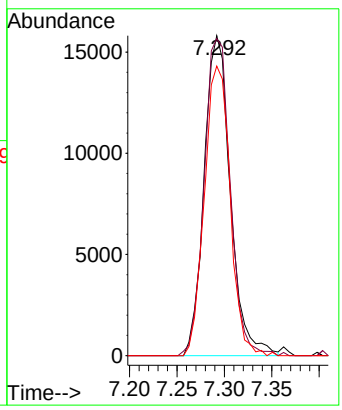




#9
Benzaldehyde
Concen: 19.661 ng
RT: 7.292 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 3037

Ion	Ratio	Lower	Upper
77	100		
105	99.1	83.8	123.8
106	90.5	74.3	114.3



Instrument :
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ClientSampleId :
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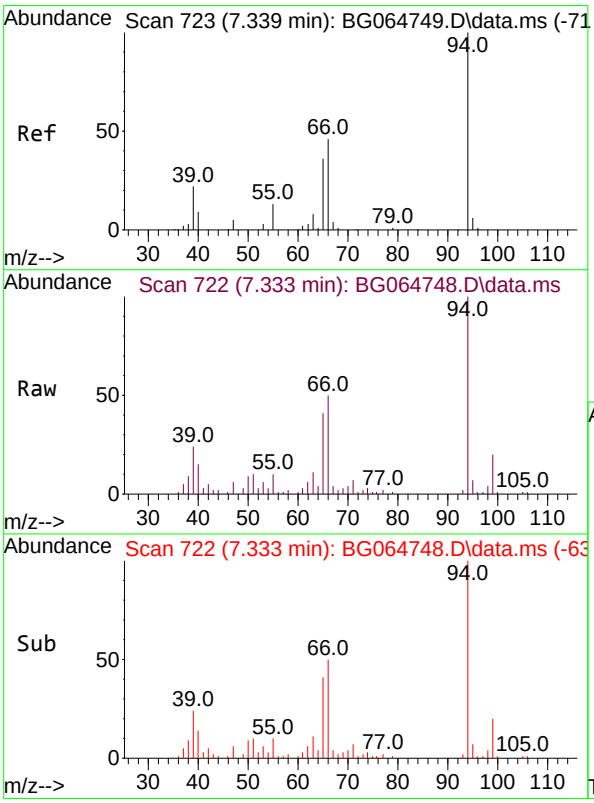
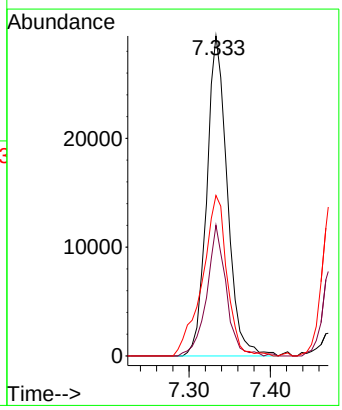
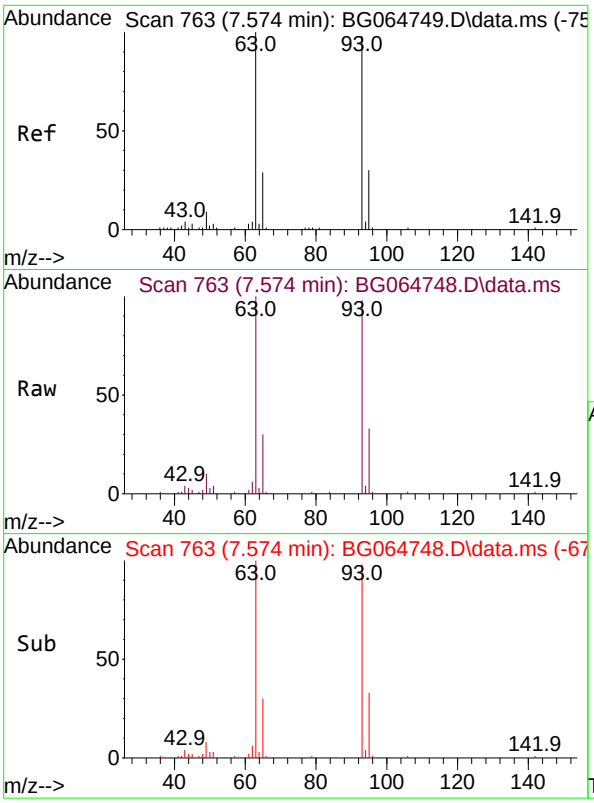


#10
Phenol
Concen: 20.103 ng
RT: 7.333 min Scan# 722
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 94 Resp: 51616

Ion	Ratio	Lower	Upper
94	100		
65	40.8	17.0	57.0
66	50.1	29.8	69.8

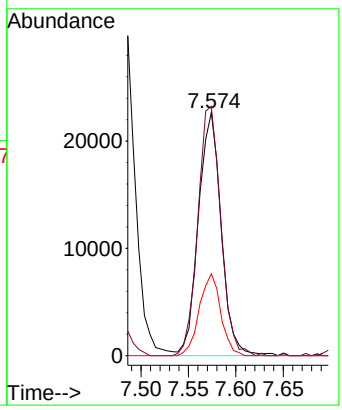




#11
bis(2-Chloroethyl)ether
Concen: 20.752 ng
RT: 7.574 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 3791

Ion	Ratio	Lower	Upper
93	100		
63	102.5	81.8	121.8
95	33.7	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
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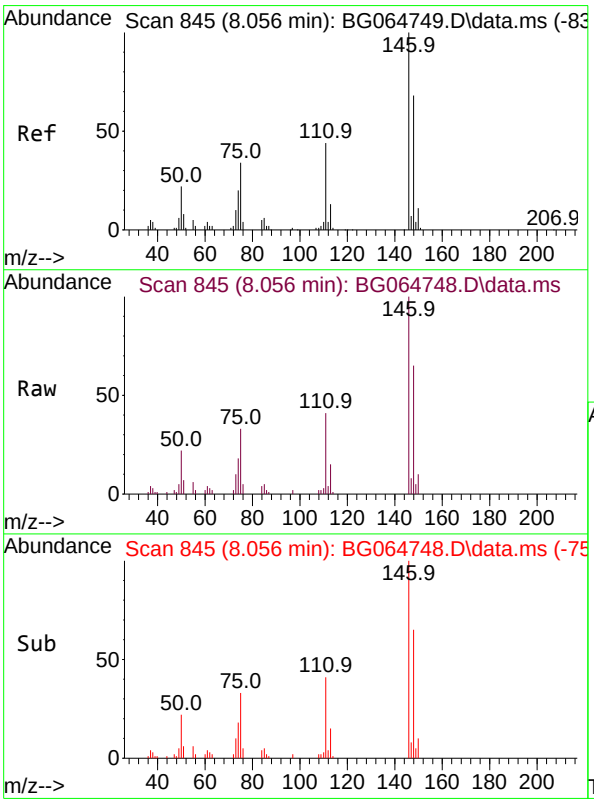
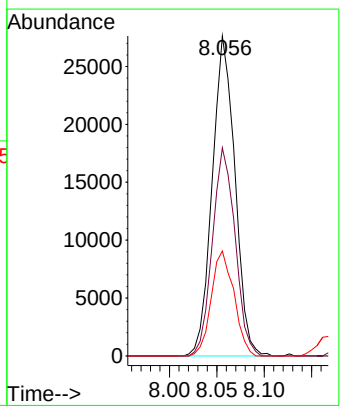
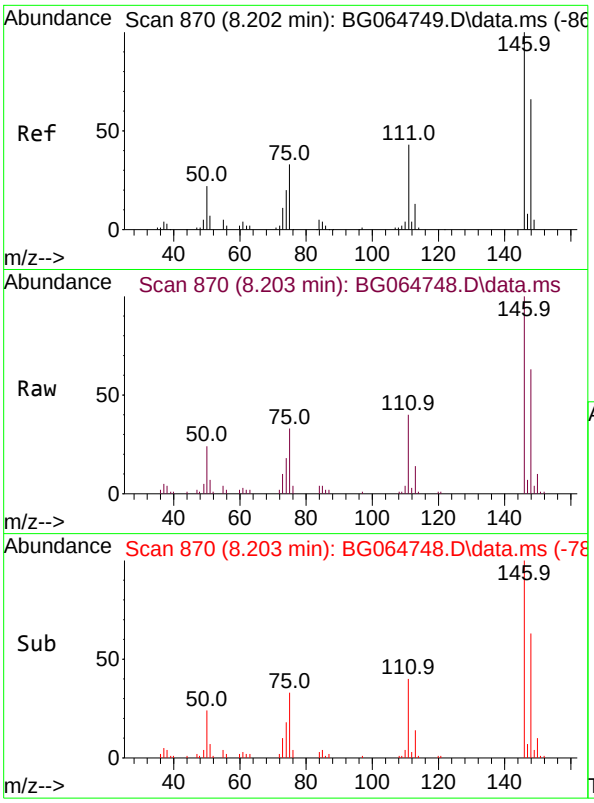


#12
1,3-Dichlorobenzene
Concen: 20.545 ng
RT: 8.056 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 46058

Ion	Ratio	Lower	Upper
146	100		
148	65.0	54.6	82.0
75	32.8	27.6	41.4

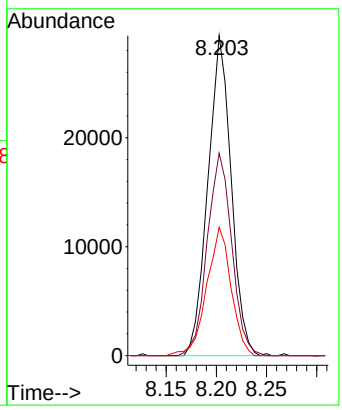




#13
1,4-Dichlorobenzene
Concen: 20.759 ng
RT: 8.203 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 4738

Ion	Ratio	Lower	Upper
146	100		
148	63.3	53.1	79.7
111	40.1	34.1	51.1



Instrument :
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ClientSampleId :
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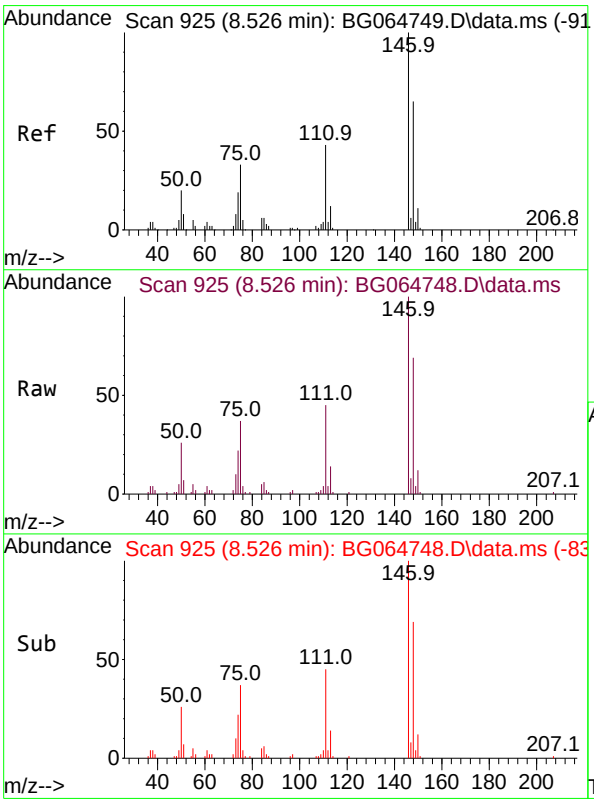
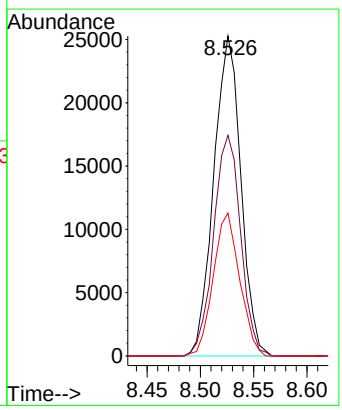
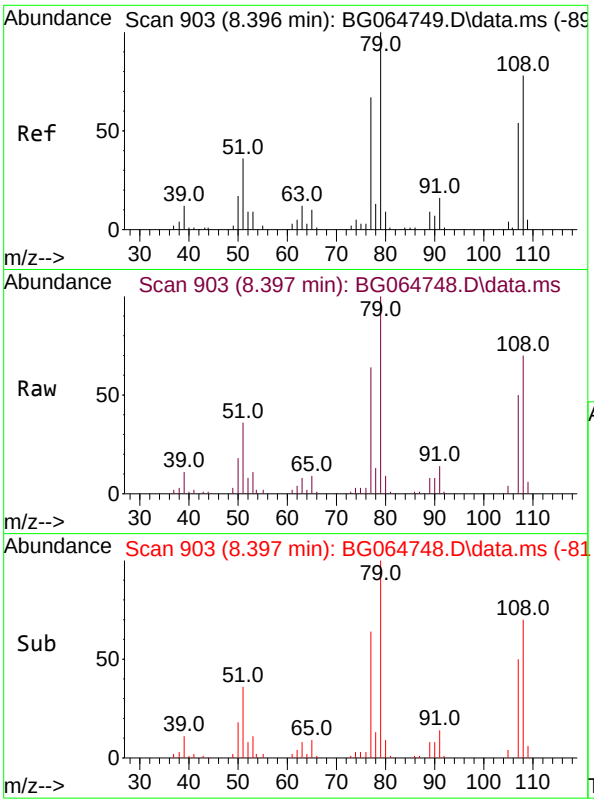


#14
1,2-Dichlorobenzene
Concen: 20.216 ng
RT: 8.526 min Scan# 925
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:146 Resp: 44745

Ion	Ratio	Lower	Upper
146	100		
148	68.9	52.0	78.0
111	44.6	34.7	52.1

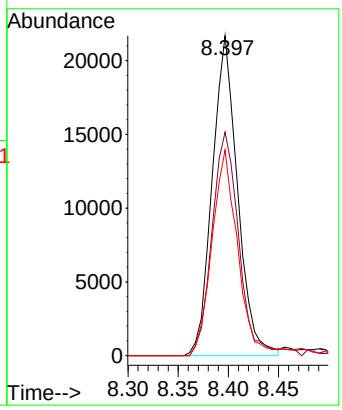




#15
Benzyl Alcohol
Concen: 19.651 ng
RT: 8.397 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 79 Resp: 3806

Ion	Ratio	Lower	Upper
79	100		
108	69.8	62.3	93.5
77	64.3	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
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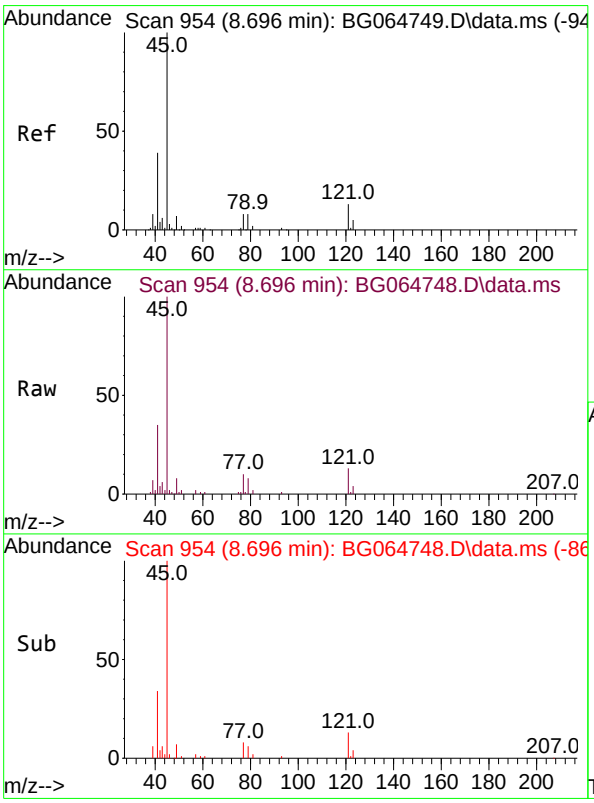
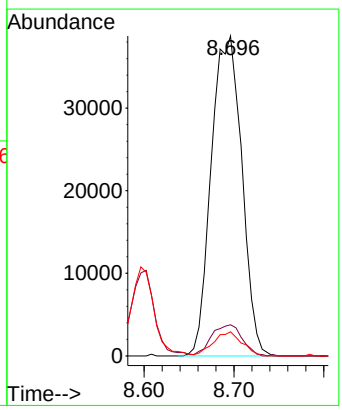
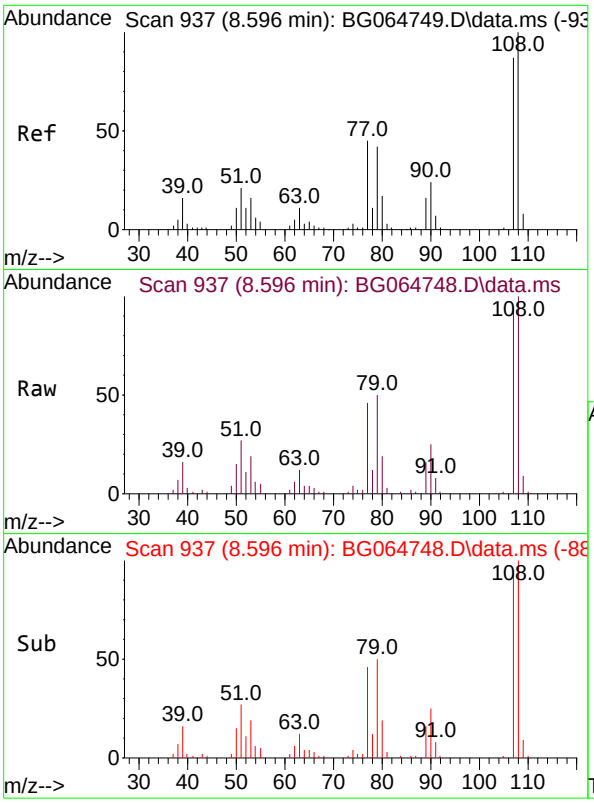


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.198 ng
RT: 8.696 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 45 Resp: 91675

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	28.8
79	7.5	0.0	28.1

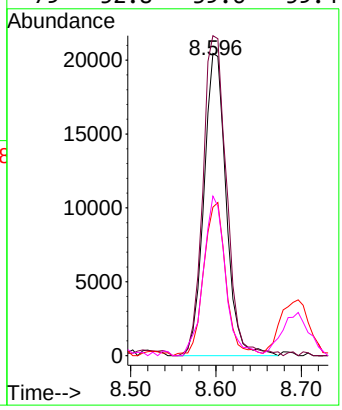




#17
2-Methylphenol
Concen: 20.403 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 3706

Ion	Ratio	Lower	Upper
107	100		
108	105.9	92.6	138.8
77	49.1	41.2	61.8
79	52.8	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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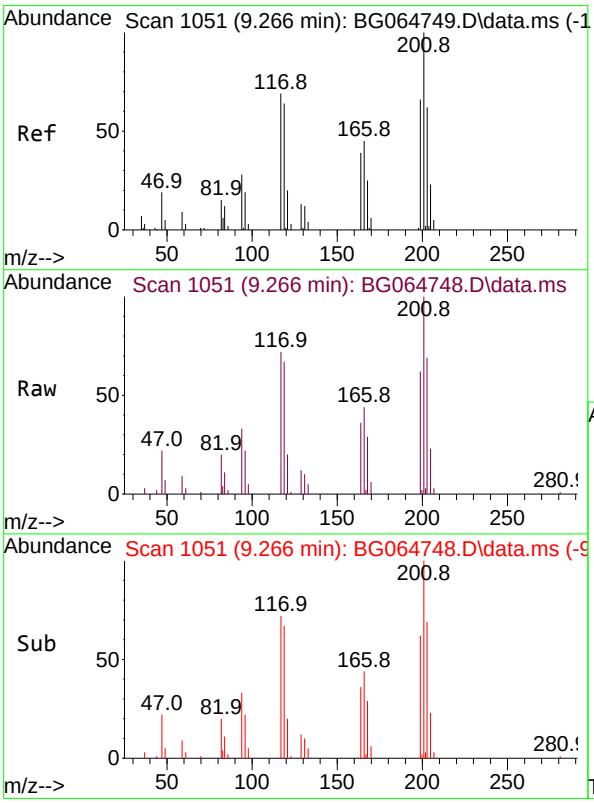
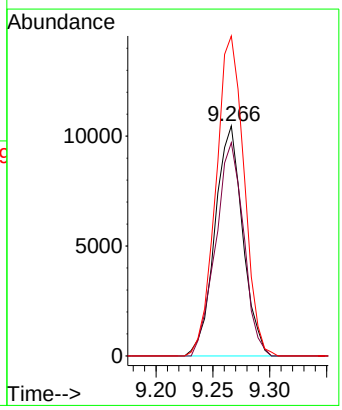
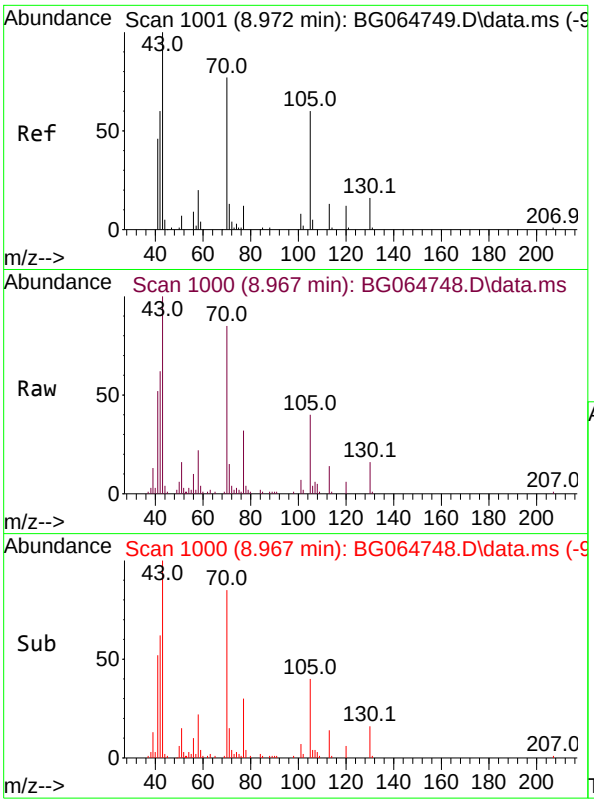


#18
Hexachloroethane
Concen: 20.498 ng
RT: 9.266 min Scan# 1051
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:117 Resp: 17722

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.4	111.6
201	139.1	116.5	174.7

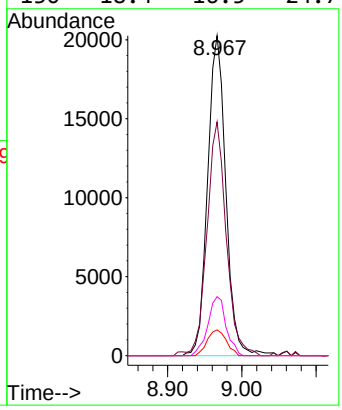




#19
n-Nitroso-di-n-propylamine
Concen: 21.667 ng
RT: 8.967 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 70 Resp: 3457

Ion	Ratio	Lower	Upper
70	100		
42	73.0	62.6	93.8
101	8.0	8.0	12.0
130	18.4	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
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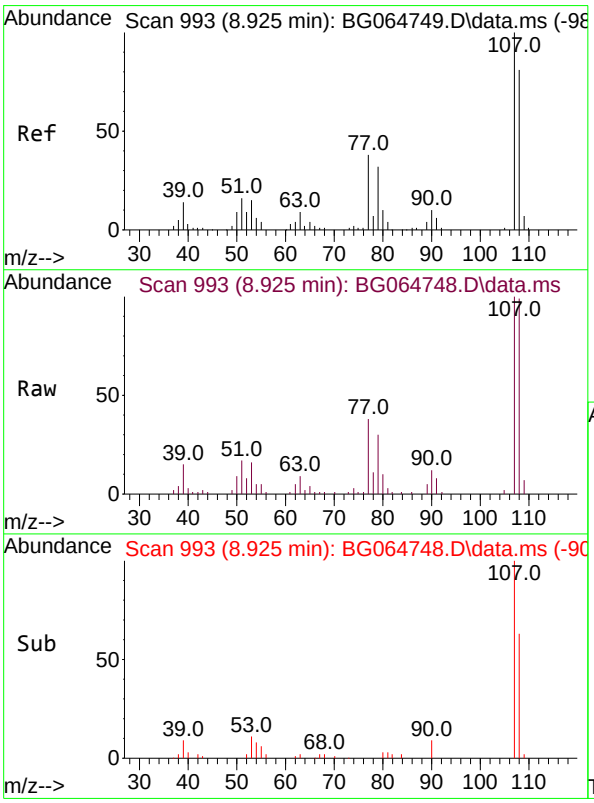
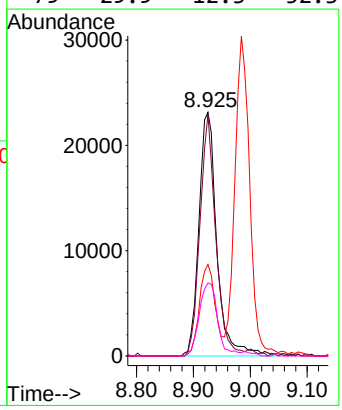
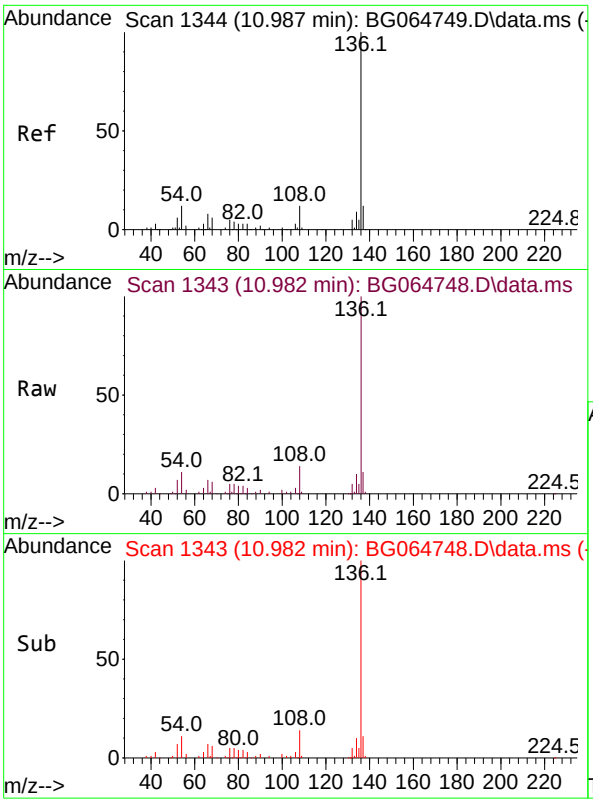


#20
3+4-Methylphenols
Concen: 20.269 ng
RT: 8.925 min Scan# 993
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 50448

Ion	Ratio	Lower	Upper
107	100		
108	99.2	61.0	101.0
77	37.5	17.6	57.6
79	29.9	12.3	52.3

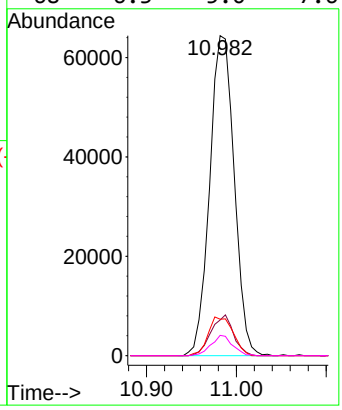




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:136 Resp: 12214

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	11.4	9.3	13.9
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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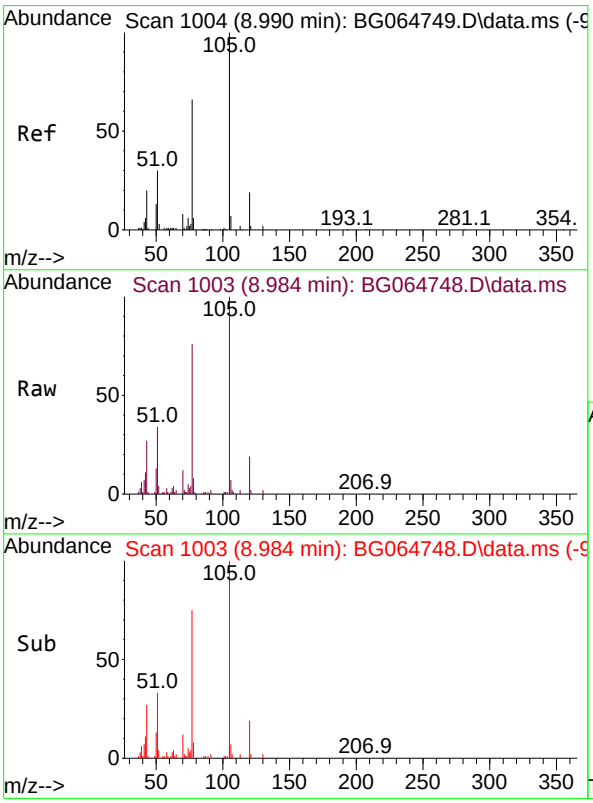
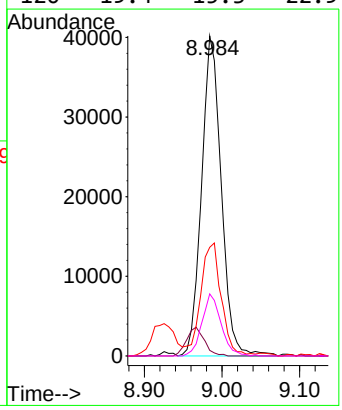
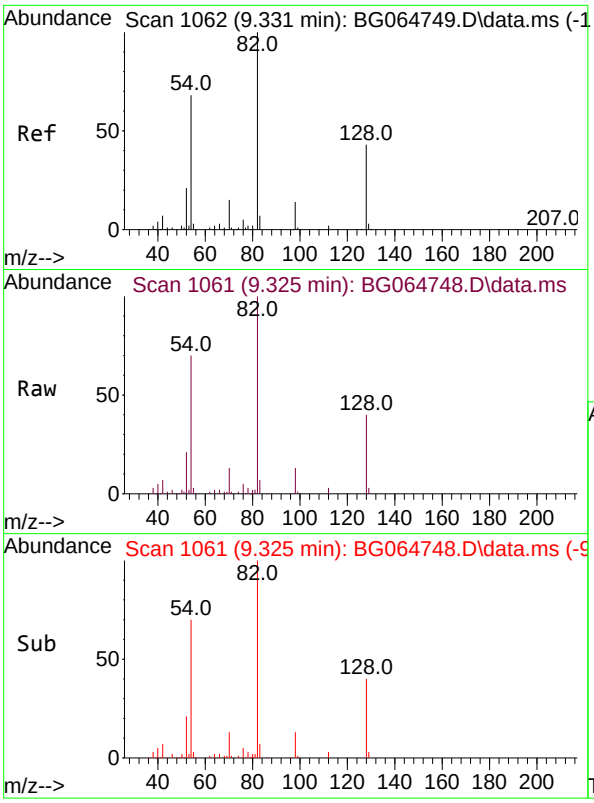


#22
Acetophenone
Concen: 21.310 ng
RT: 8.984 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:105 Resp: 70914

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.3	1.9
51	33.9	27.9	41.9
120	19.4	15.3	22.9

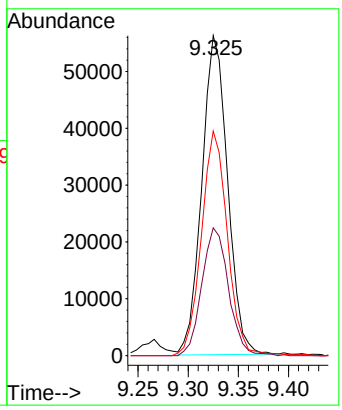




#23
Nitrobenzene-d5
Concen: 40.496 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 82 Resp: 10004

Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.1	51.1
54	70.2	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
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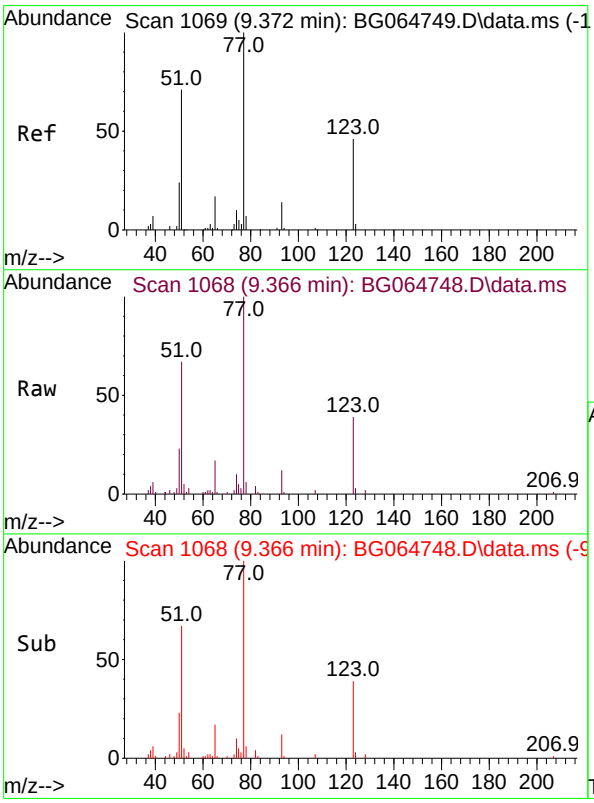
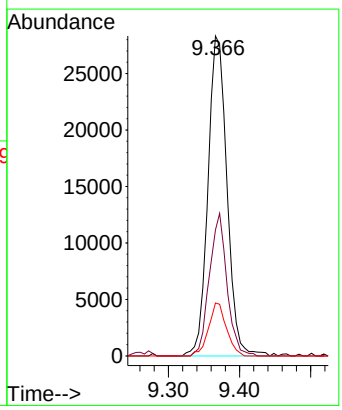
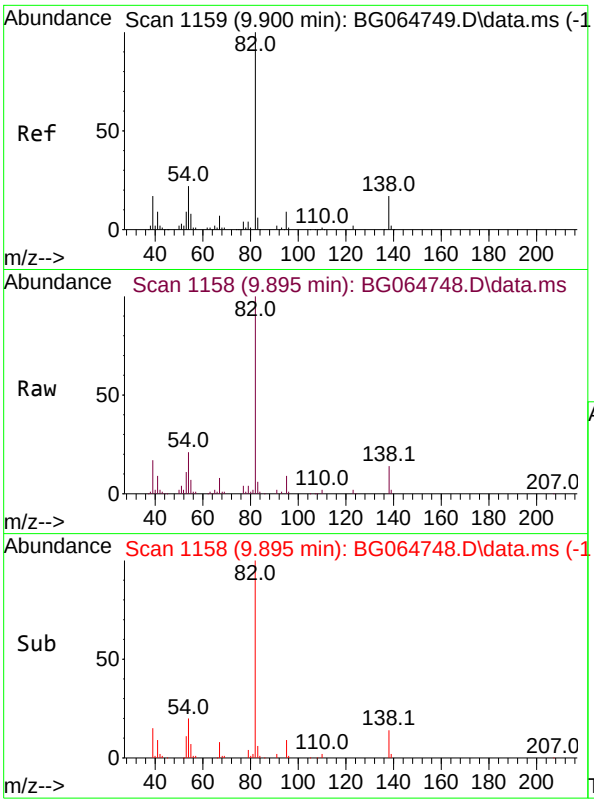


#24
Nitrobenzene
Concen: 21.097 ng
RT: 9.366 min Scan# 1068
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 52662

Ion	Ratio	Lower	Upper
77	100		
123	39.4	36.5	54.7
65	16.5	13.5	20.3

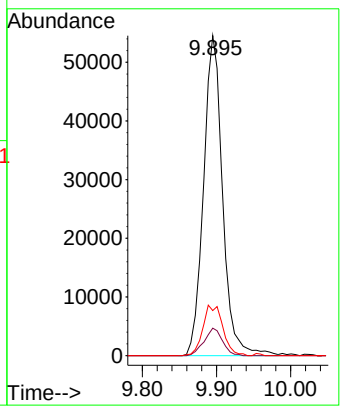




#25
Isophorone
Concen: 20.659 ng
RT: 9.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 82 Resp: 9719

Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	14.1	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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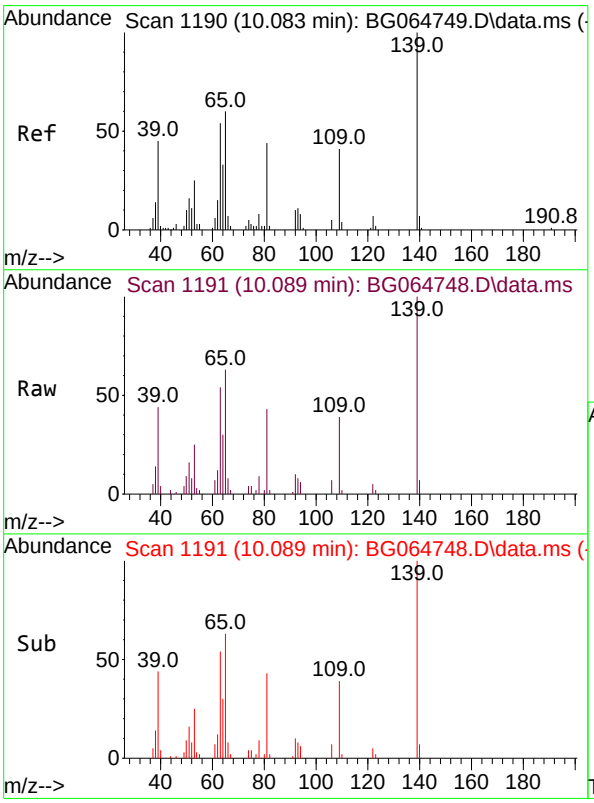
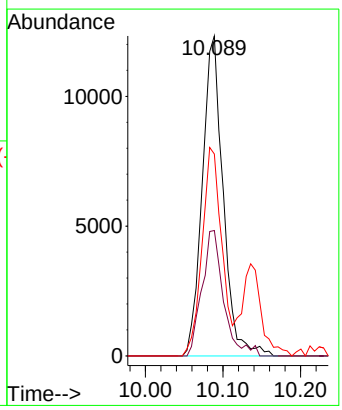
Supervised By :Sohil Jodhani 11/14/2025

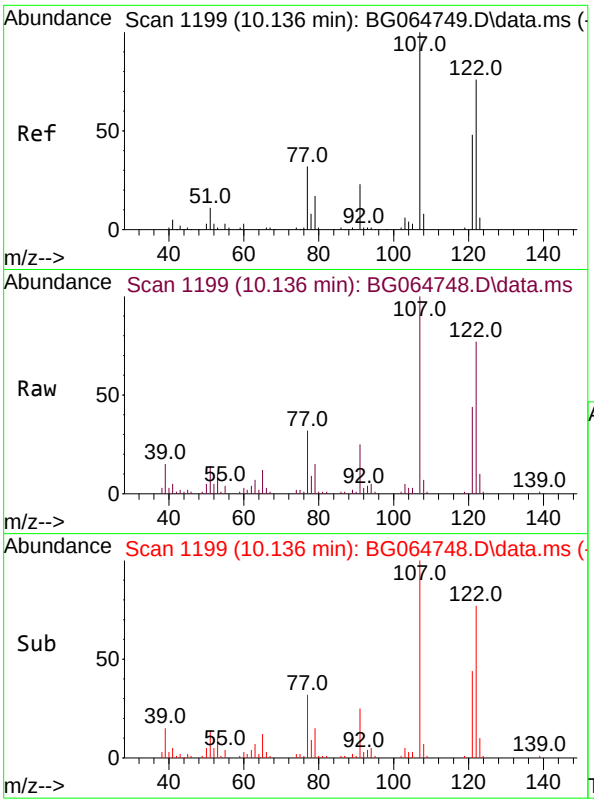


#26
2-Nitrophenol
Concen: 20.521 ng
RT: 10.089 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:139 Resp: 23040

Ion	Ratio	Lower	Upper
139	100		
109	39.2	32.5	48.7
65	63.1	47.6	71.4

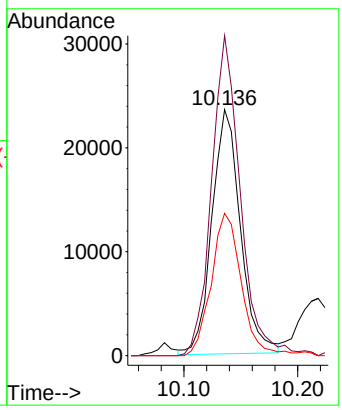




#27
2,4-Dimethylphenol
Concen: 20.563 ng
RT: 10.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:122 Resp: 4101

Ion	Ratio	Lower	Upper
122	100		
107	130.1	102.5	153.7
121	57.9	49.0	73.6



Instrument :
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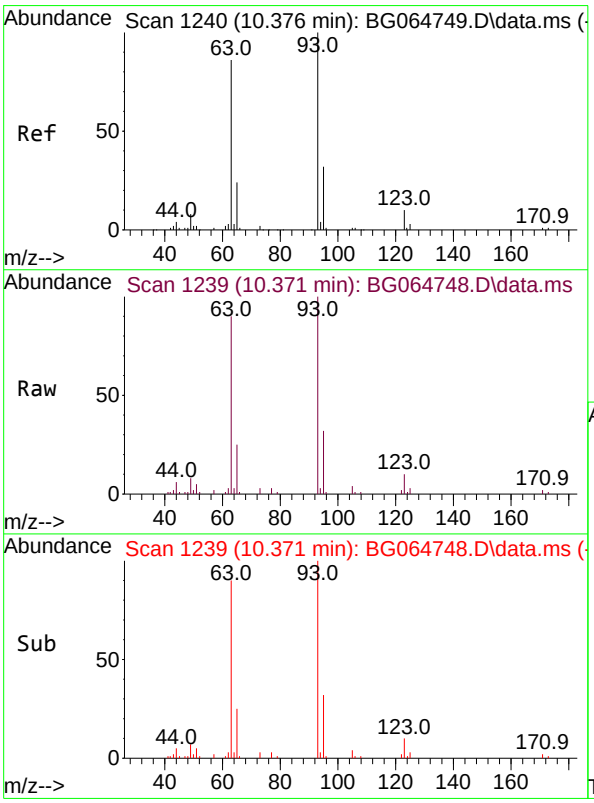
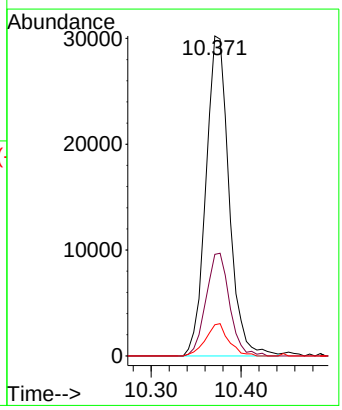
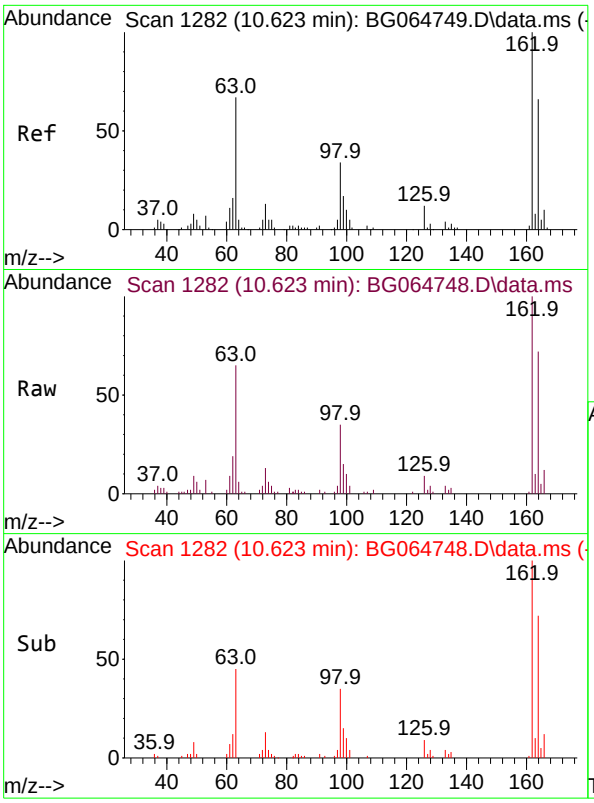


#28
bis(2-Chloroethoxy)methane
Concen: 21.004 ng
RT: 10.371 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 93 Resp: 54247

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.7	8.1	12.1

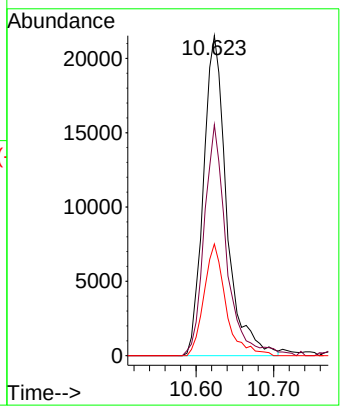




#29
2,4-Dichlorophenol
Concen: 20.905 ng
RT: 10.623 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:162 Resp: 4476

Ion	Ratio	Lower	Upper
162	100		
164	72.1	46.0	86.0
98	34.9	14.2	54.2



Instrument :
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ClientSampleId :
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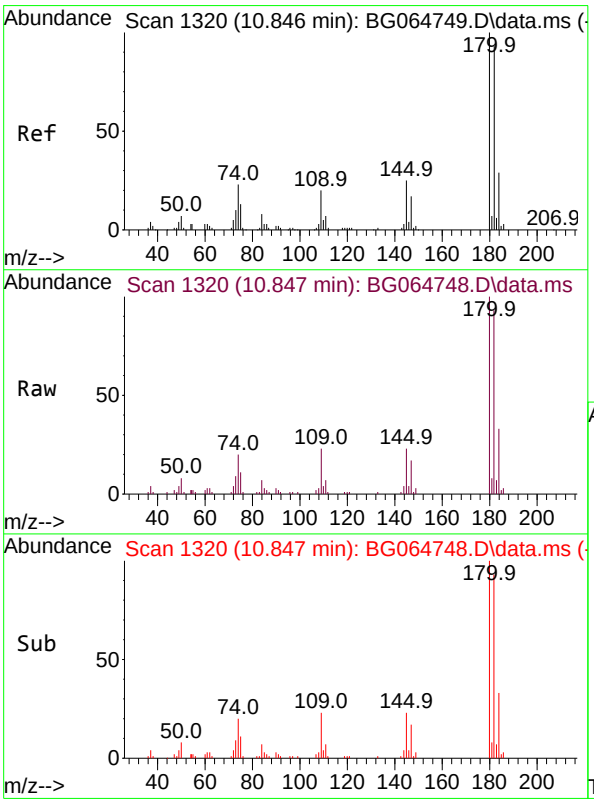
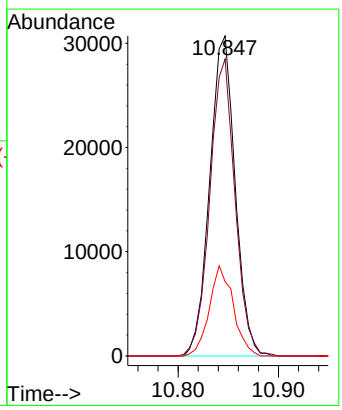
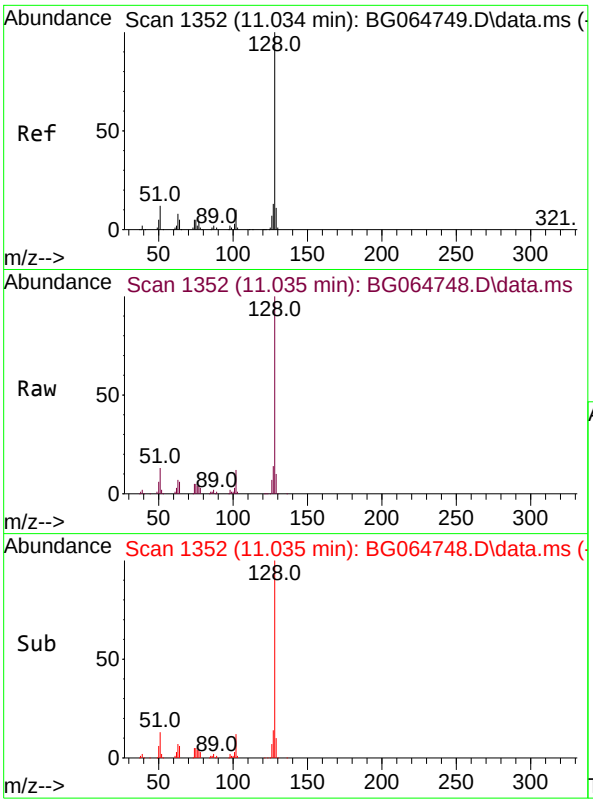


#30
1,2,4-Trichlorobenzene
Concen: 20.916 ng
RT: 10.847 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:180 Resp: 54086

Ion	Ratio	Lower	Upper
180	100		
182	92.8	74.2	111.4
145	23.2	20.0	30.0

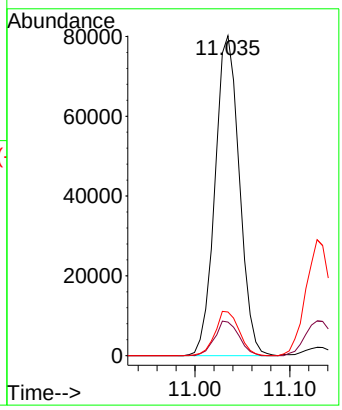




#31
Naphthalene
Concen: 20.633 ng
RT: 11.035 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:128 Resp: 14286

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.6	10.6	16.0



Instrument :
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ClientSampleId :
SSTDICC020

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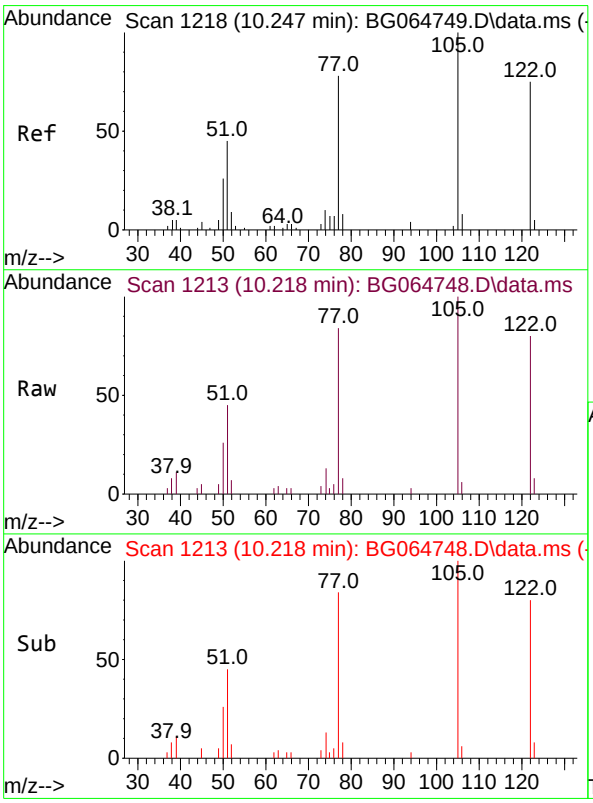
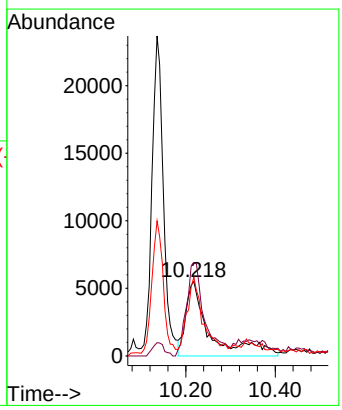
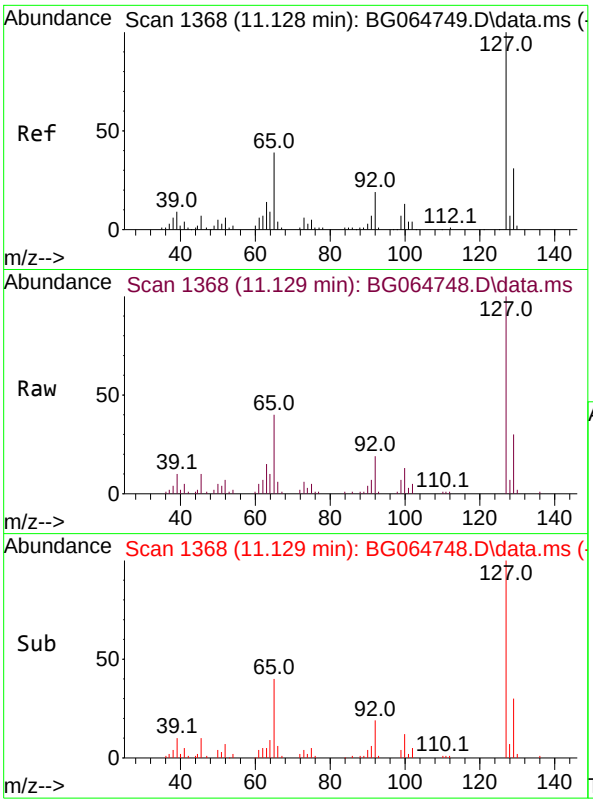


#32
Benzoic acid
Concen: 18.429 ng m
RT: 10.218 min Scan# 1213
Delta R.T. -0.029 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:122 Resp: 20309

Ion	Ratio	Lower	Upper
122	100		
105	125.8	107.6	147.6
77	105.8	82.5	122.5

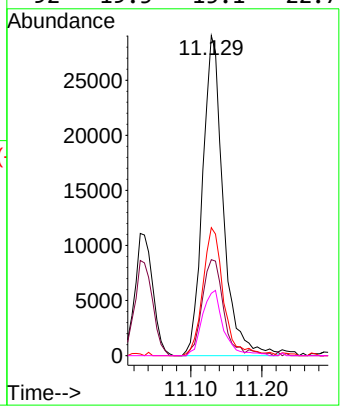




#33
4-Chloroaniline
Concen: 21.026 ng
RT: 11.129 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:127 Resp: 5823

Ion	Ratio	Lower	Upper
127	100		
129	30.0	24.9	37.3
65	40.0	30.9	46.3
92	19.5	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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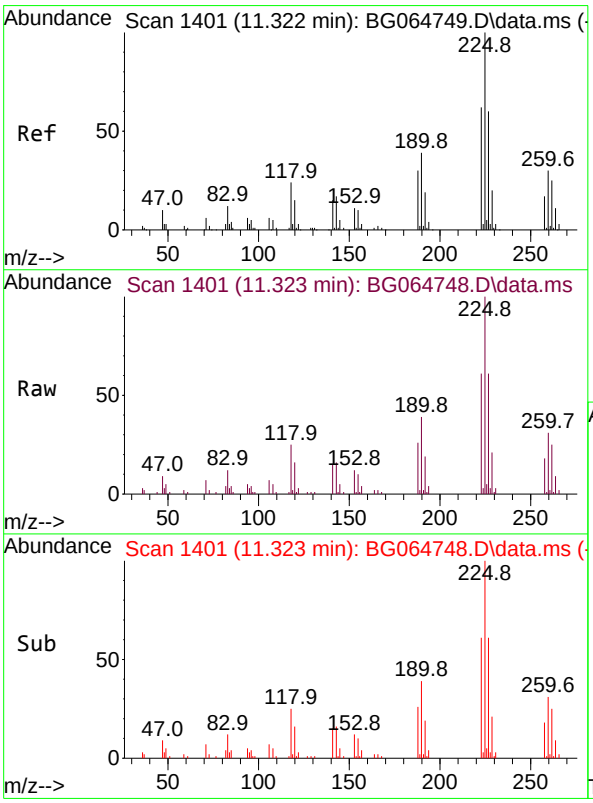
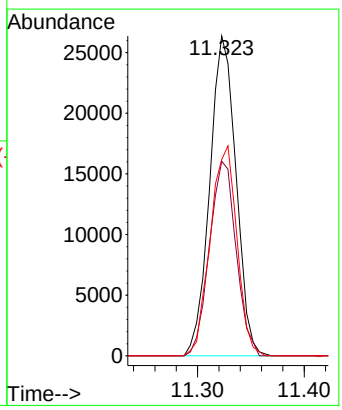
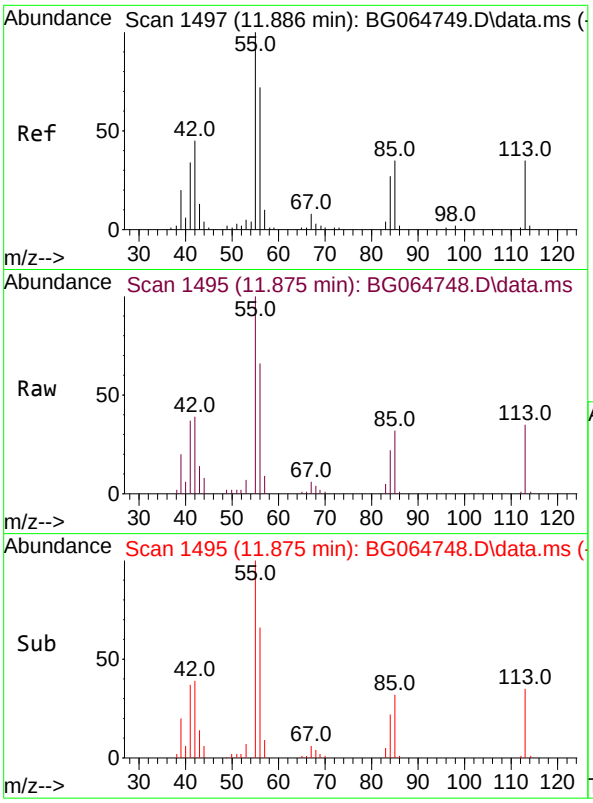


#34
Hexachlorobutadiene
Concen: 20.367 ng
RT: 11.323 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:225 Resp: 45189

Ion	Ratio	Lower	Upper
225	100		
223	60.8	49.9	74.9
227	64.8	50.6	75.8





#35
Caprolactam
Concen: 19.811 ng
RT: 11.875 min Scan# 14
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:113 Resp: 1267

Ion	Ratio	Lower	Upper
113	100		
55	288.8	263.7	303.7
56	191.5	184.0	224.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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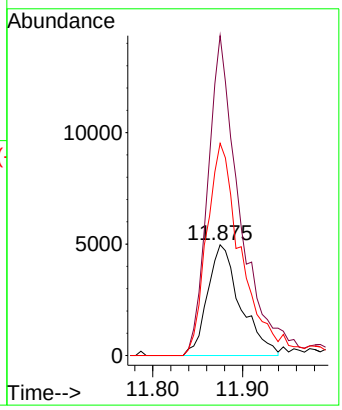
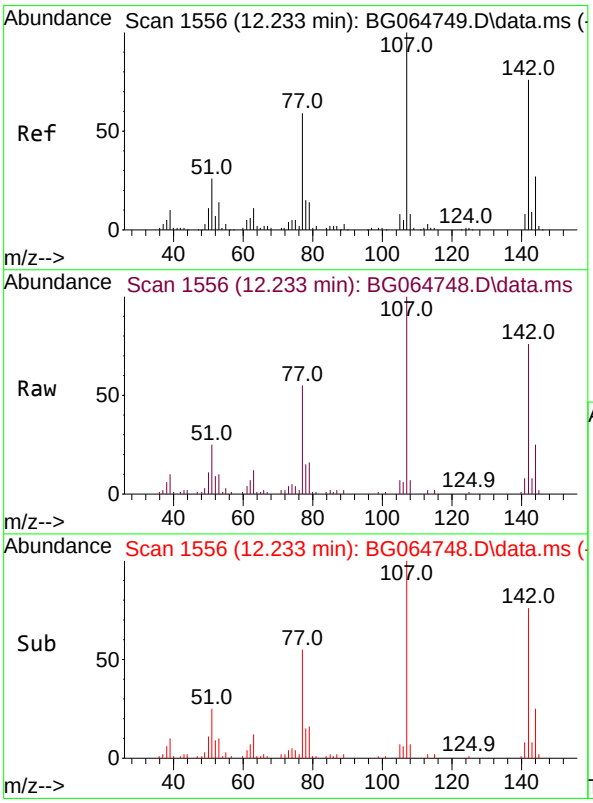
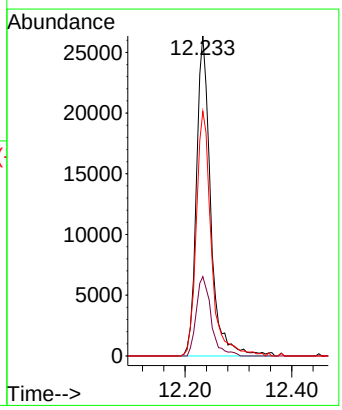


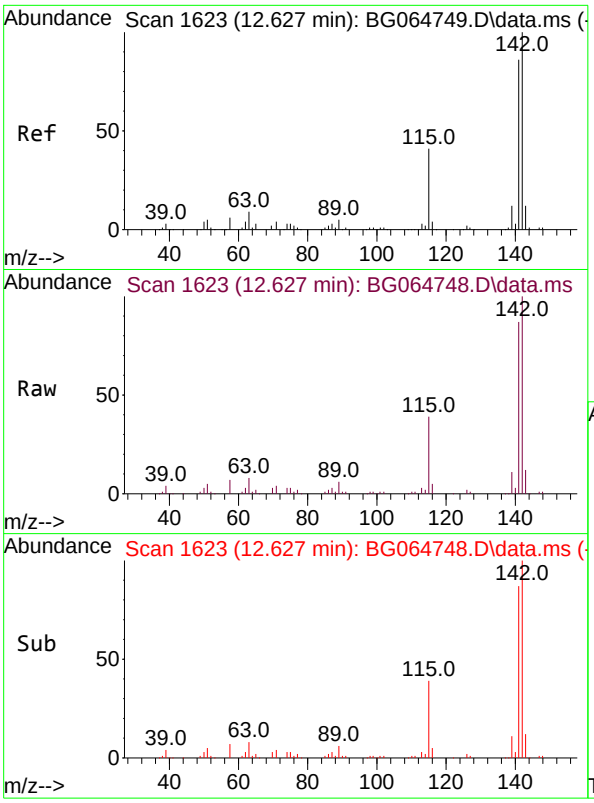


#36
4-Chloro-3-methylphenol
Concen: 20.444 ng
RT: 12.233 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:107 Resp: 48730

Ion	Ratio	Lower	Upper
107	100		
144	24.8	21.7	32.5
142	76.4	60.8	91.2

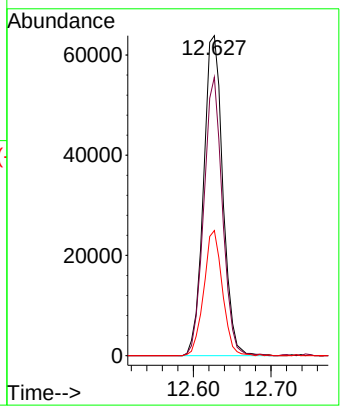




#37
2-Methylnaphthalene
Concen: 21.269 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:142 Resp: 11020

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.1	103.7
115	39.1	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
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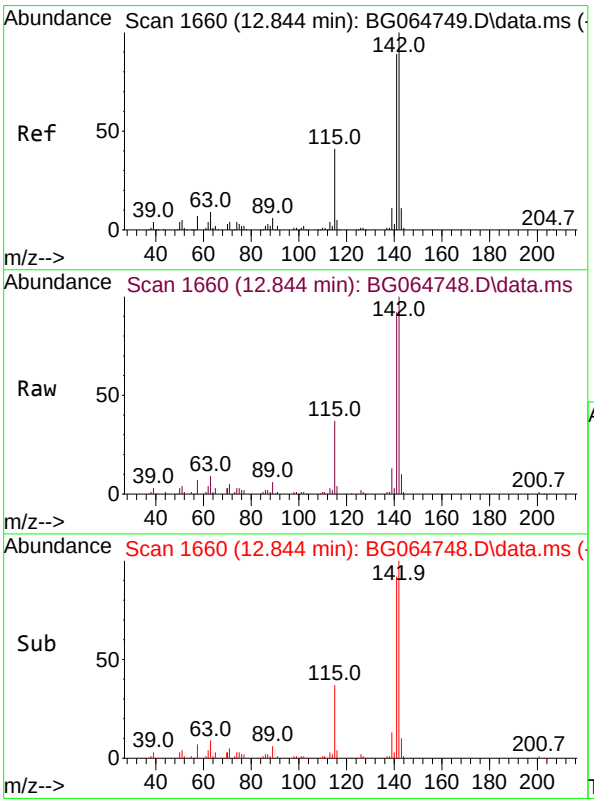
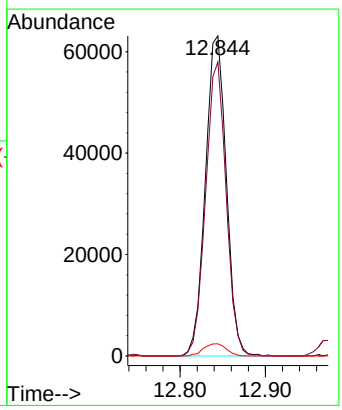
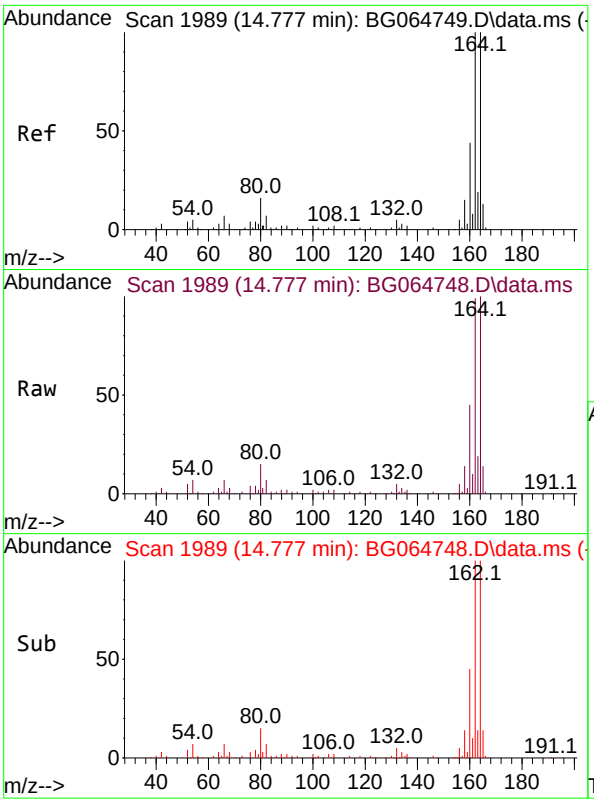


#38
1-Methylnaphthalene
Concen: 20.884 ng
RT: 12.844 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:142 Resp: 107491

Ion	Ratio	Lower	Upper
142	100		
141	91.9	70.8	106.2
116	3.8	3.7	5.5

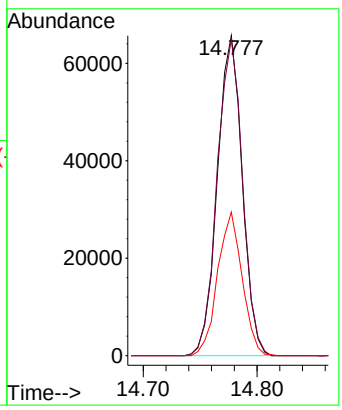




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:164 Resp: 9958

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.8	119.6
160	44.8	34.9	52.3



Instrument :
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ClientSampleId :
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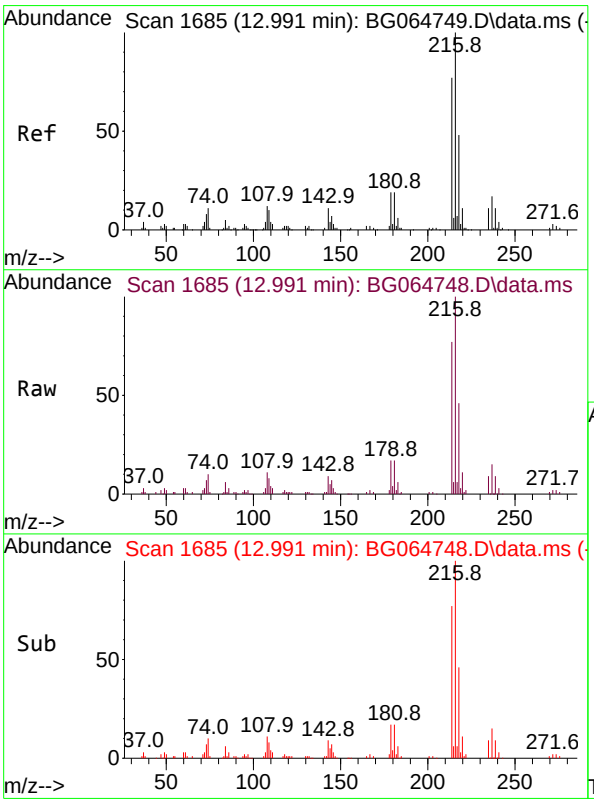
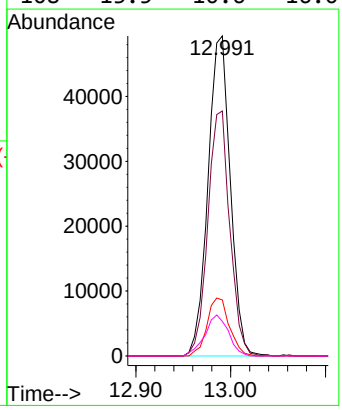
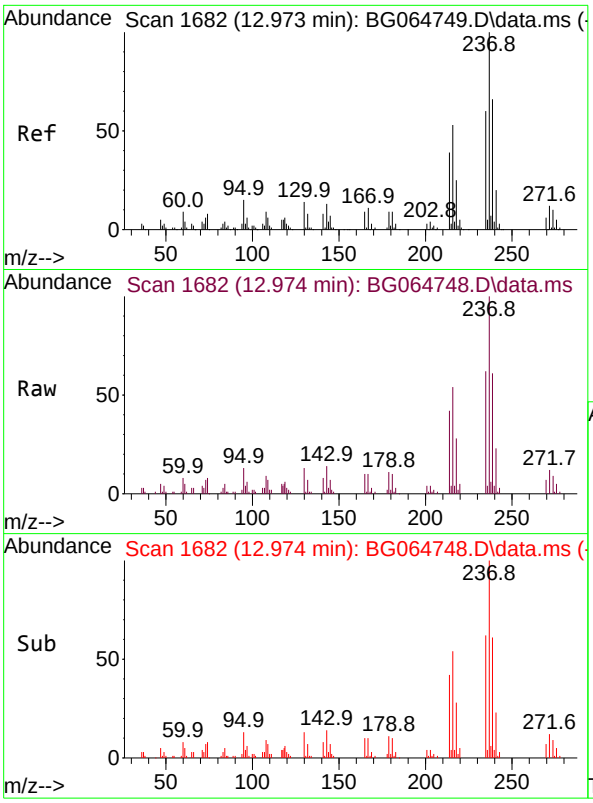


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.831 ng
RT: 12.991 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:216 Resp: 80735

Ion	Ratio	Lower	Upper
216	100		
214	75.2	60.5	90.7
179	18.0	14.7	22.1
108	13.5	10.6	16.0

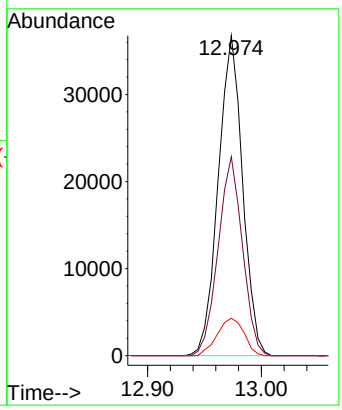




#41
Hexachlorocyclopentadiene
Concen: 19.622 ng
RT: 12.974 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:237 Resp: 5450

Ion	Ratio	Lower	Upper
237	100		
235	62.1	40.2	80.2
272	11.7	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
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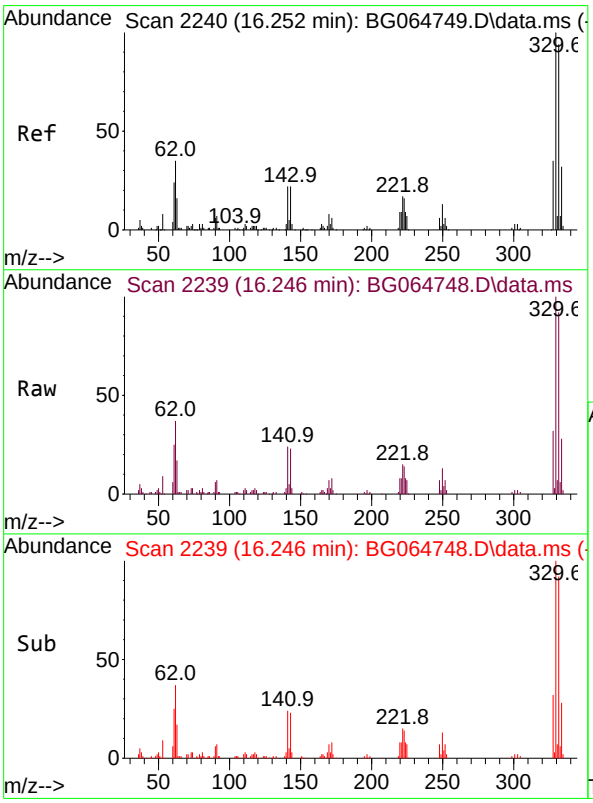
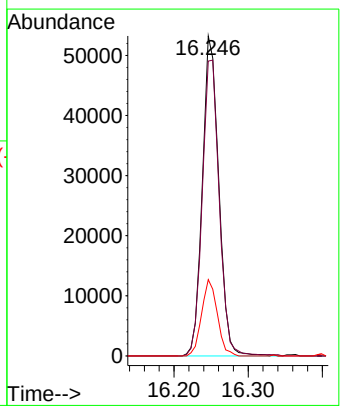
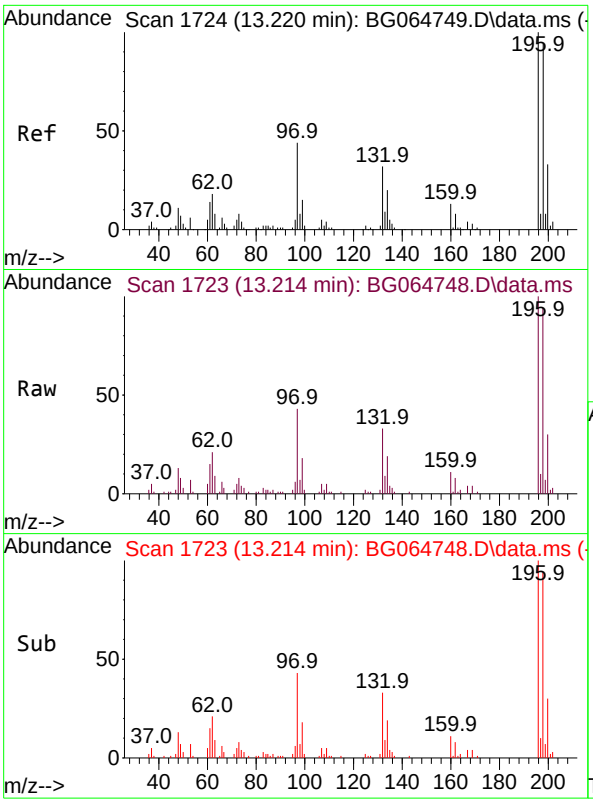


#42
2,4,6-Tribromophenol
Concen: 42.069 ng
RT: 16.246 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:330 Resp: 81708

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	22.8	18.2	27.2

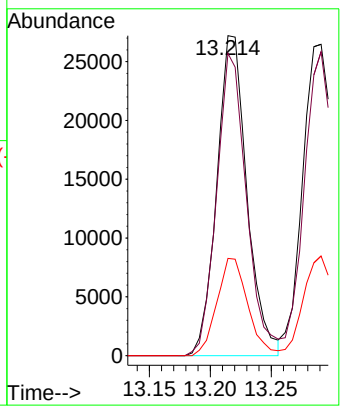




#43
2,4,6-Trichlorophenol
Concen: 20.658 ng
RT: 13.214 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:196 Resp: 4698

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.3	112.9
200	30.4	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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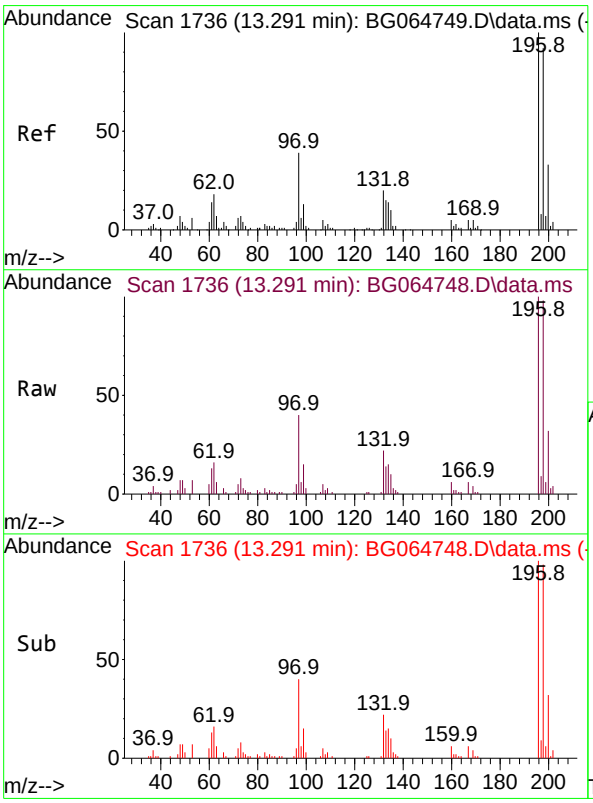
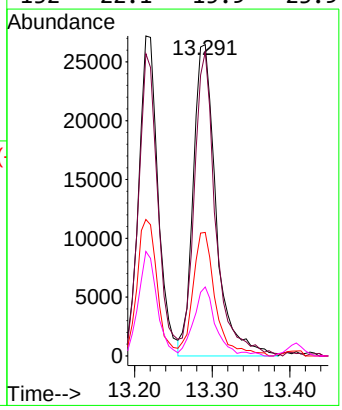
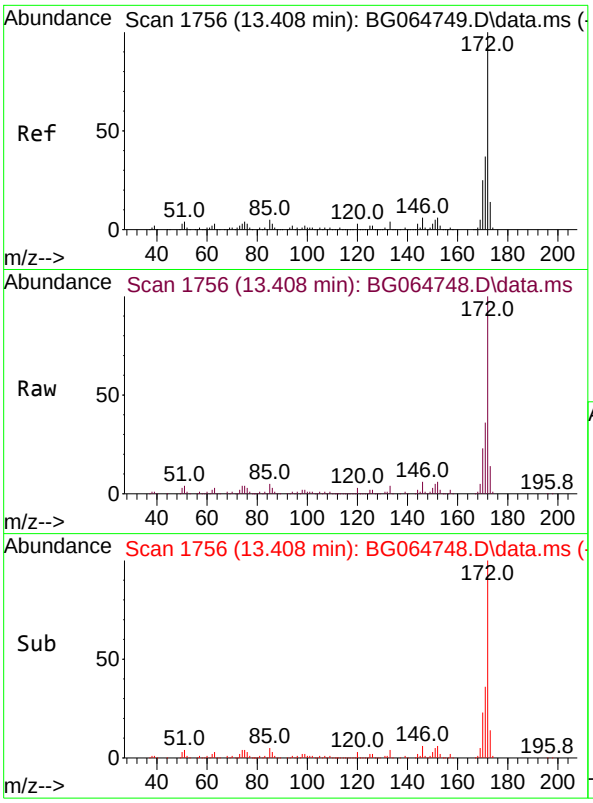


#44
2,4,5-Trichlorophenol
Concen: 21.300 ng
RT: 13.291 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:196 Resp: 54340

Ion	Ratio	Lower	Upper
196	100		
198	97.6	73.2	109.8
97	39.6	31.4	47.0
132	22.1	15.9	23.9

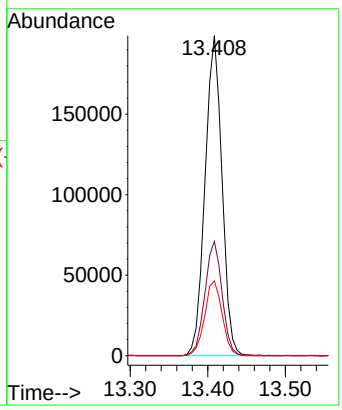




#45
2-Fluorobiphenyl
Concen: 42.108 ng
RT: 13.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:172 Resp: 30053

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	23.3	19.8	29.6



Instrument :
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ClientSampleId :
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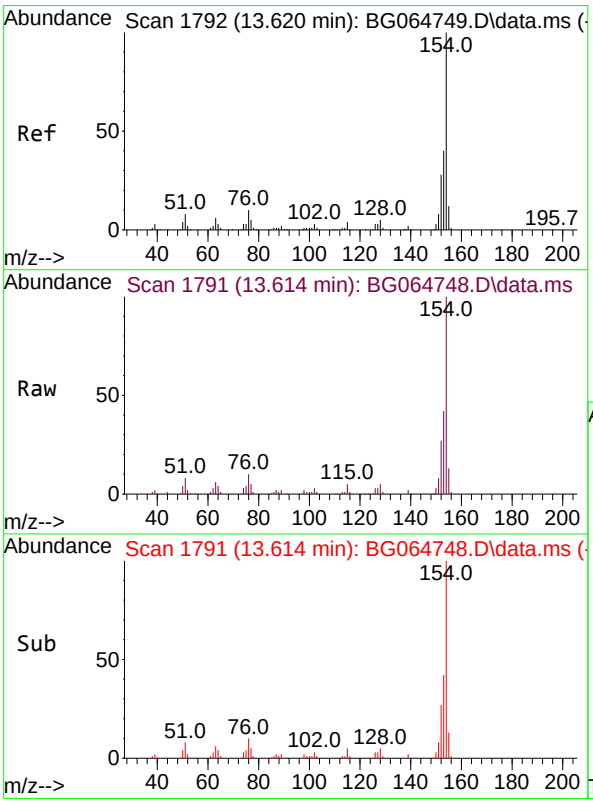
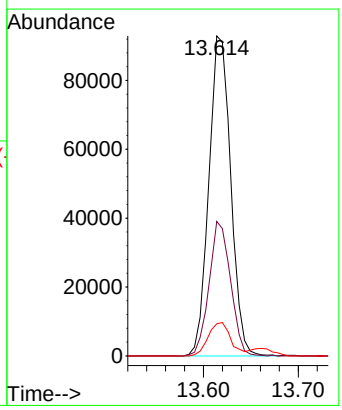
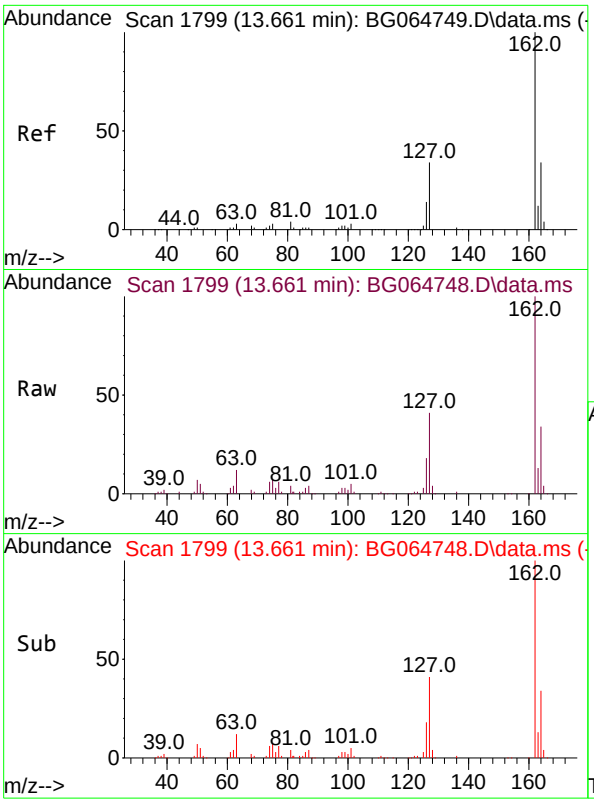


#46
1,1'-Biphenyl
Concen: 20.857 ng
RT: 13.614 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:154 Resp: 149187

Ion	Ratio	Lower	Upper
154	100		
153	42.0	19.8	59.8
76	10.0	0.0	30.0

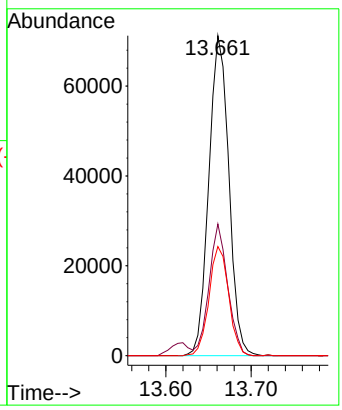




#47
2-Chloronaphthalene
Concen: 20.620 ng
RT: 13.661 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:162 Resp: 116198

Ion	Ratio	Lower	Upper
162	100		
127	41.1	30.3	45.5
164	34.1	26.8	40.2



Instrument :
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ClientSampleId :
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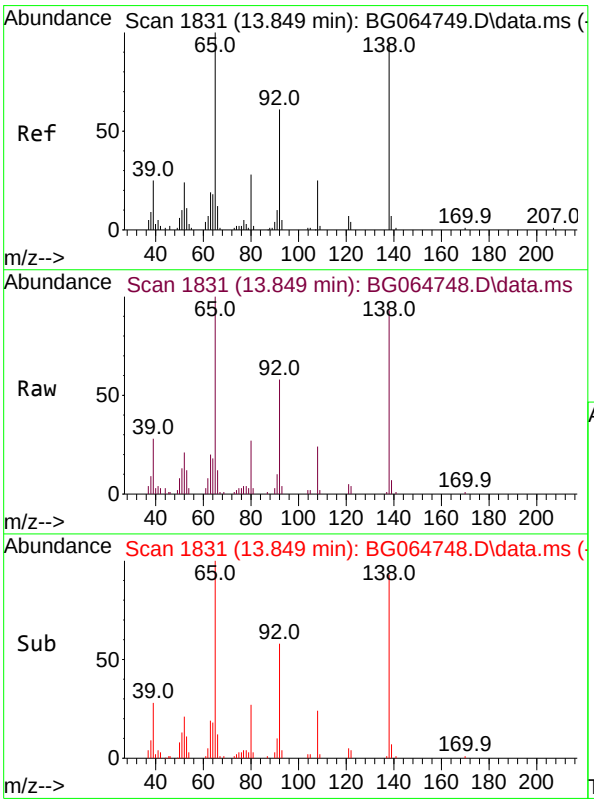
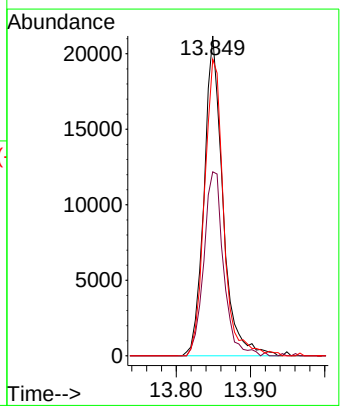
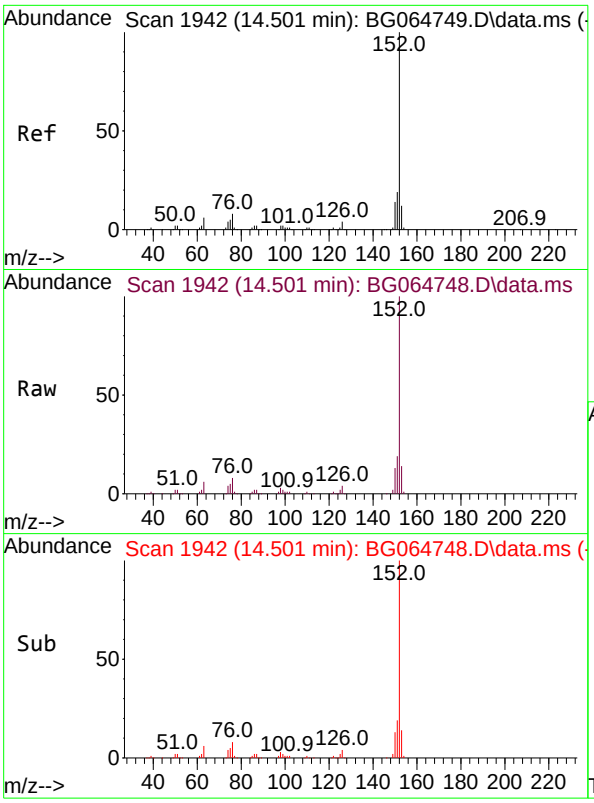


#48
2-Nitroaniline
Concen: 20.495 ng
RT: 13.849 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 65 Resp: 37146

Ion	Ratio	Lower	Upper
65	100		
92	57.5	48.6	73.0
138	92.7	76.4	114.6

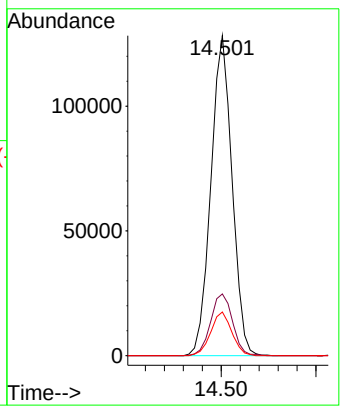




#49
Acenaphthylene
Concen: 20.651 ng
RT: 14.501 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:152 Resp: 19880

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
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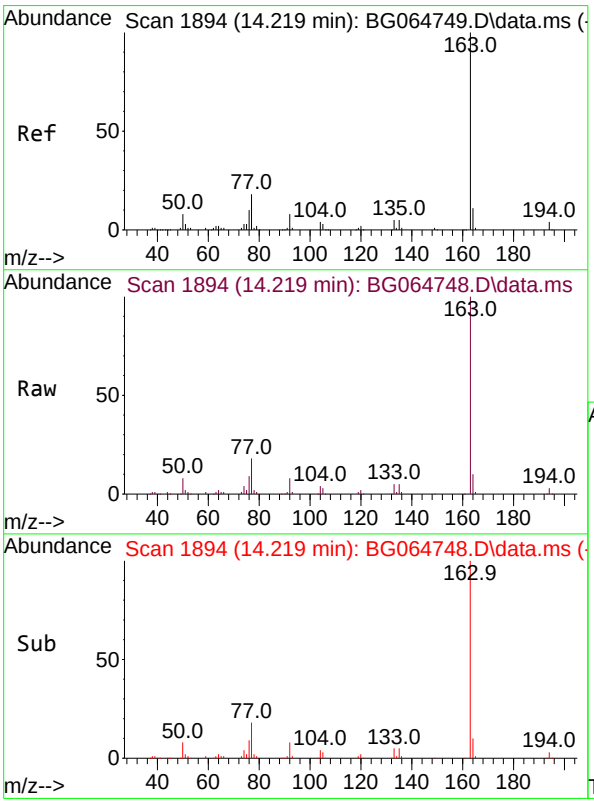
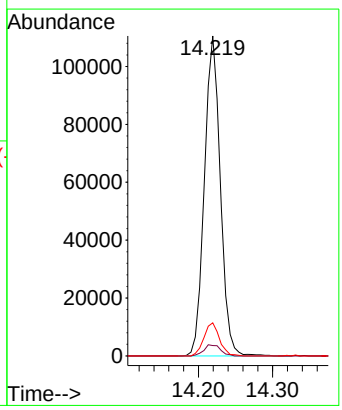
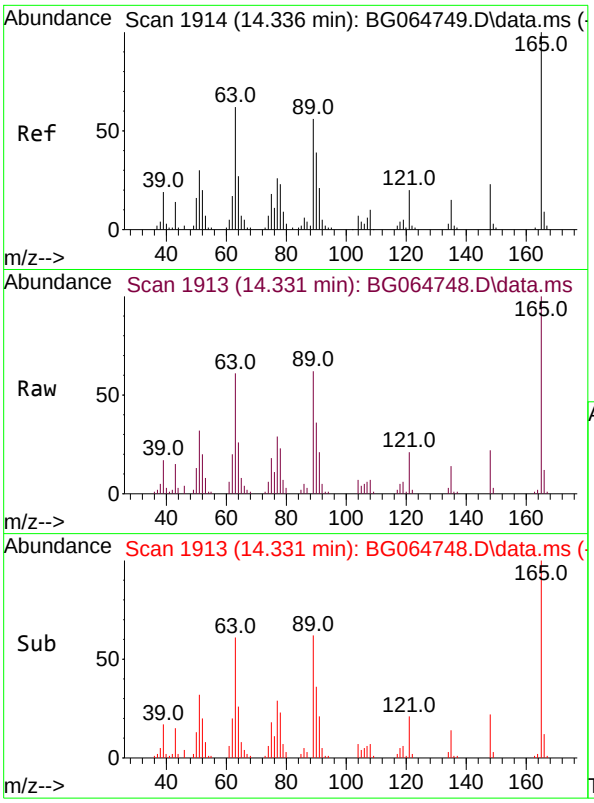


#50
Dimethylphthalate
Concen: 20.940 ng
RT: 14.219 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:163 Resp: 164729

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.1	4.7
164	10.3	8.6	12.8

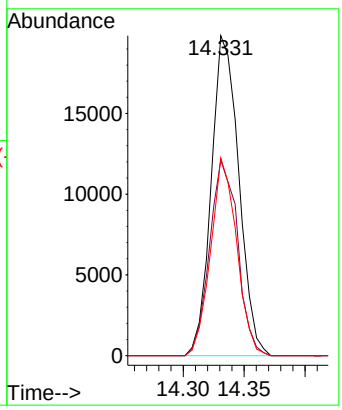




#51
2,6-Dinitrotoluene
Concen: 20.573 ng
RT: 14.331 min Scan# 19
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:165 Resp: 3114

Ion	Ratio	Lower	Upper
165	100		
63	61.1	49.8	74.8
89	61.8	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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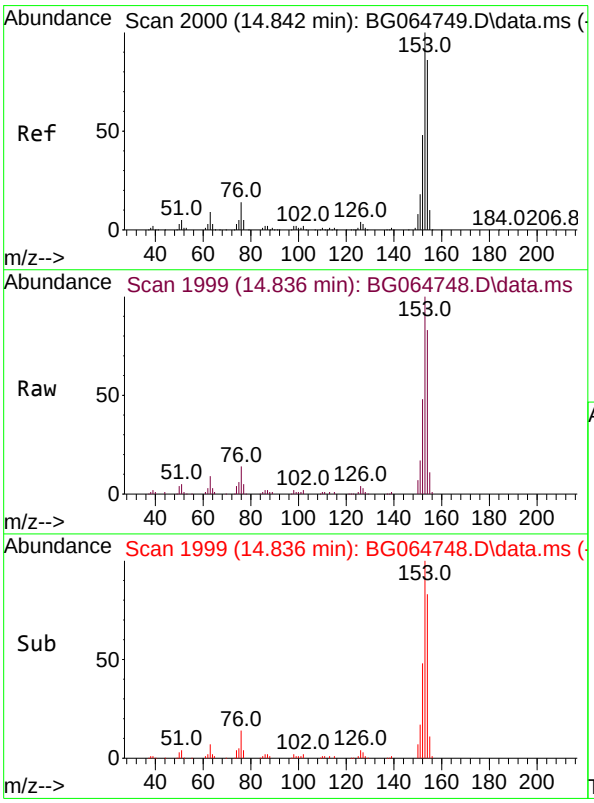
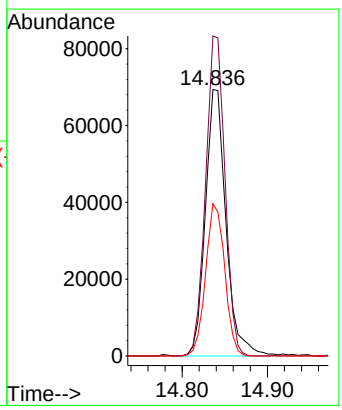
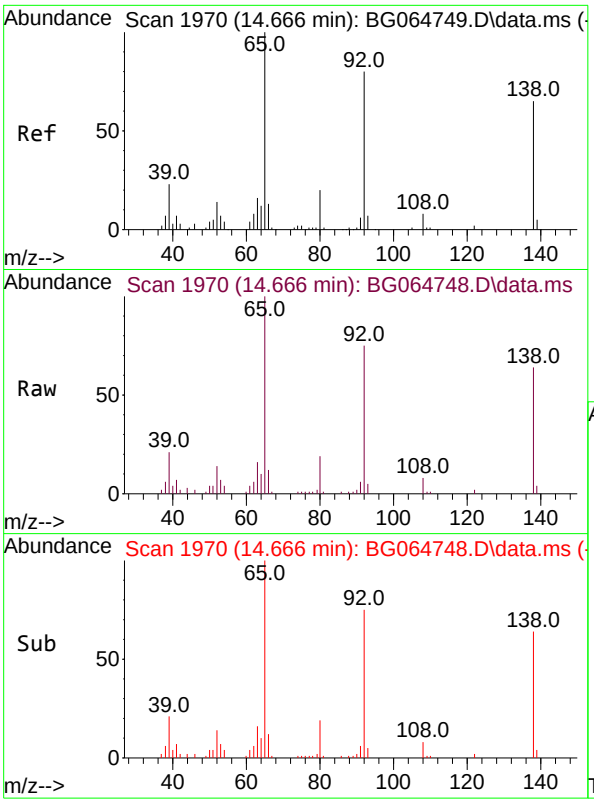


#52
Acenaphthene
Concen: 20.176 ng
RT: 14.836 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:154 Resp: 116463

Ion	Ratio	Lower	Upper
154	100		
153	120.1	93.0	139.4
152	57.1	44.4	66.6

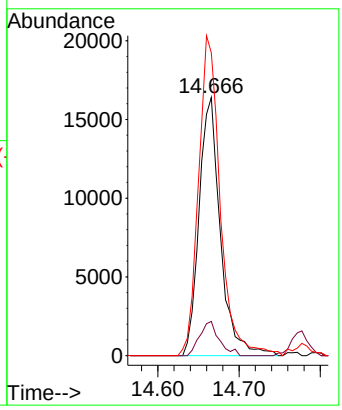




#53
3-Nitroaniline
Concen: 20.041 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:138 Resp: 2994

Ion	Ratio	Lower	Upper
138	100		
108	13.2	9.5	14.3
92	117.3	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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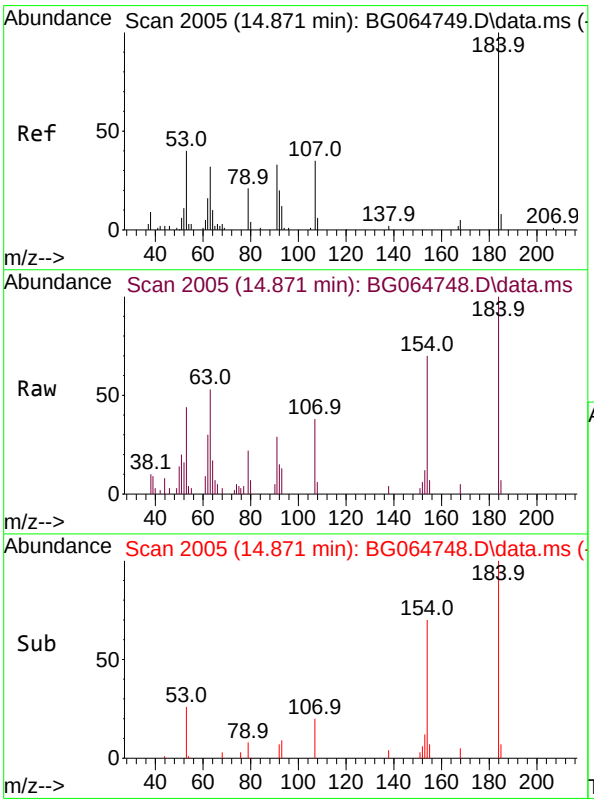
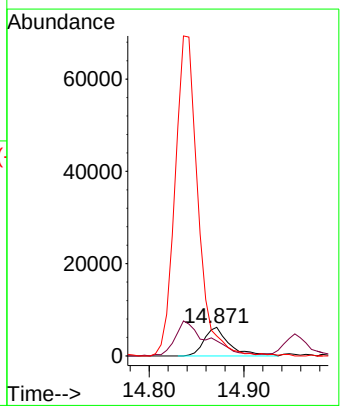
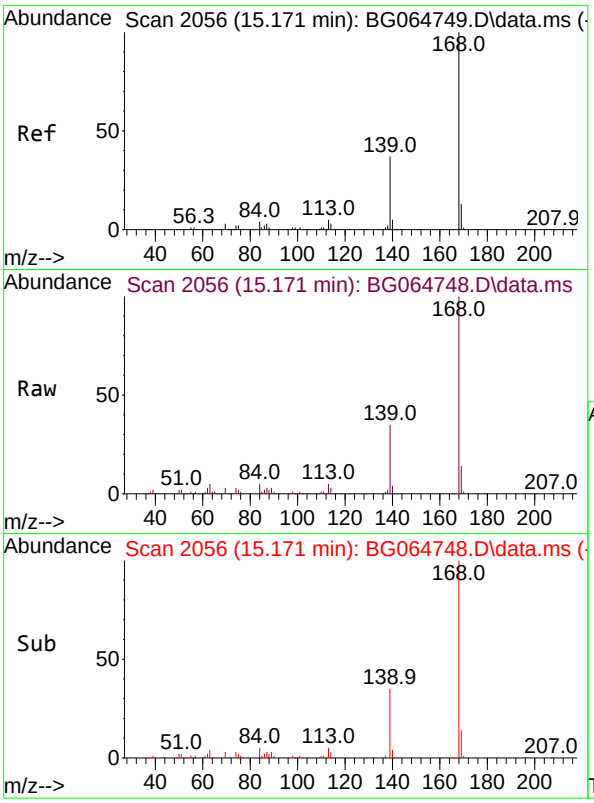


#54
2,4-Dinitrophenol
Concen: 18.387 ng
RT: 14.871 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:184 Resp: 11387

Ion	Ratio	Lower	Upper
184	100		
63	52.6	45.8	68.6
154	69.9	52.6	78.8

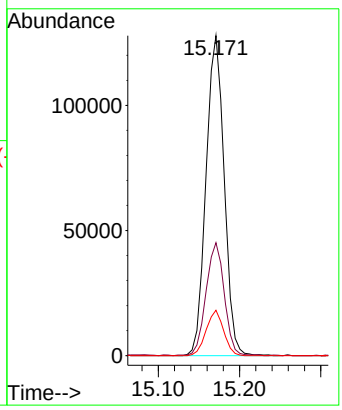




#55
Dibenzofuran
Concen: 20.809 ng
RT: 15.171 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:168 Resp: 19857

Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.5	44.3
169	14.2	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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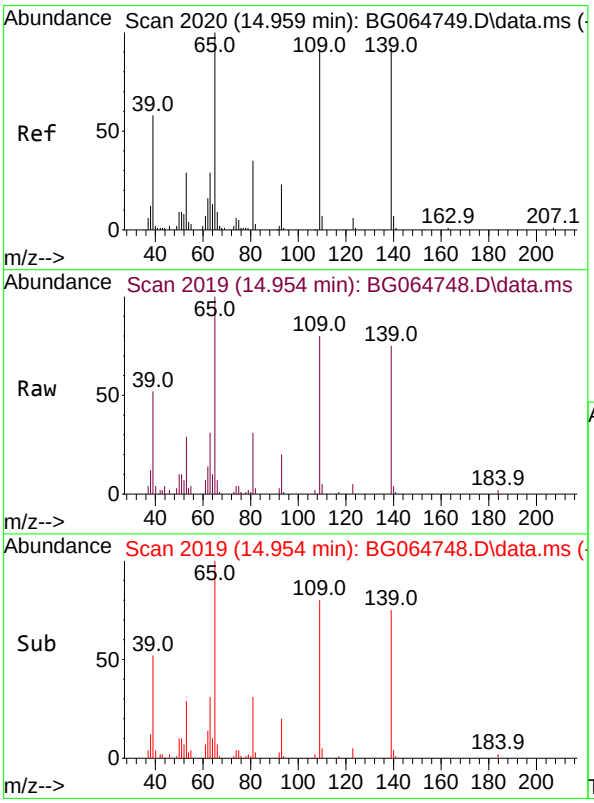
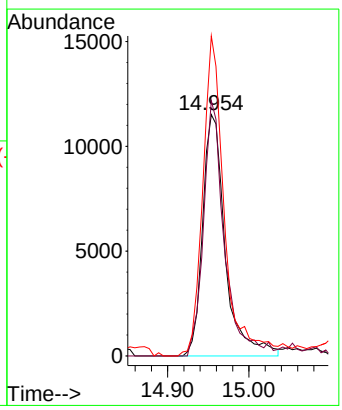
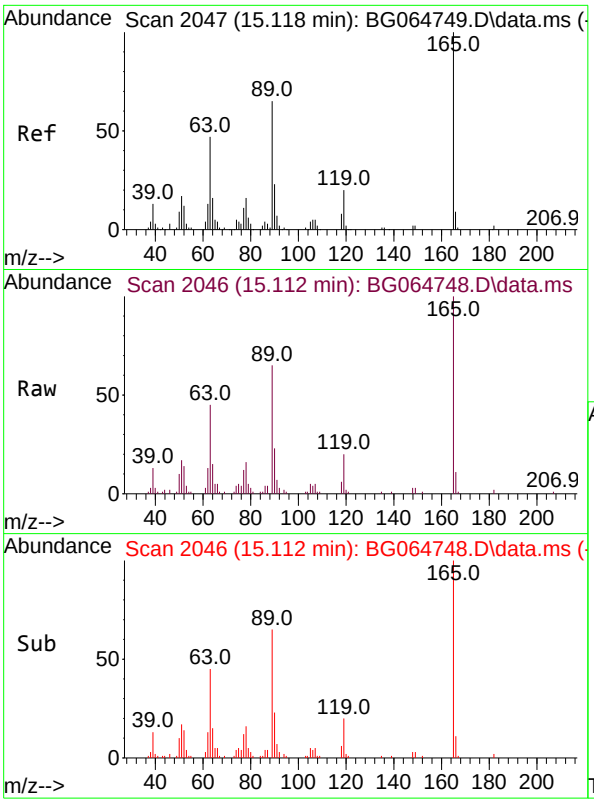


#56
4-Nitrophenol
Concen: 18.849 ng
RT: 14.954 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:139 Resp: 22343

Ion	Ratio	Lower	Upper
139	100		
109	105.8	79.7	119.7
65	132.7	89.9	129.9#

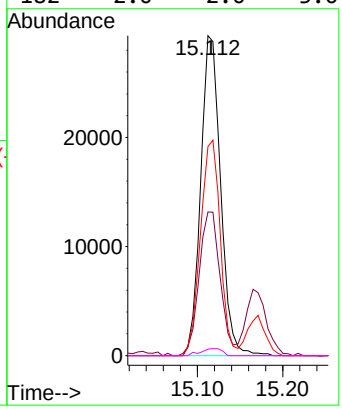




#57
2,4-Dinitrotoluene
Concen: 20.931 ng
RT: 15.112 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:165 Resp: 4750

Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.8	56.6
89	65.3	51.6	77.4
182	2.0	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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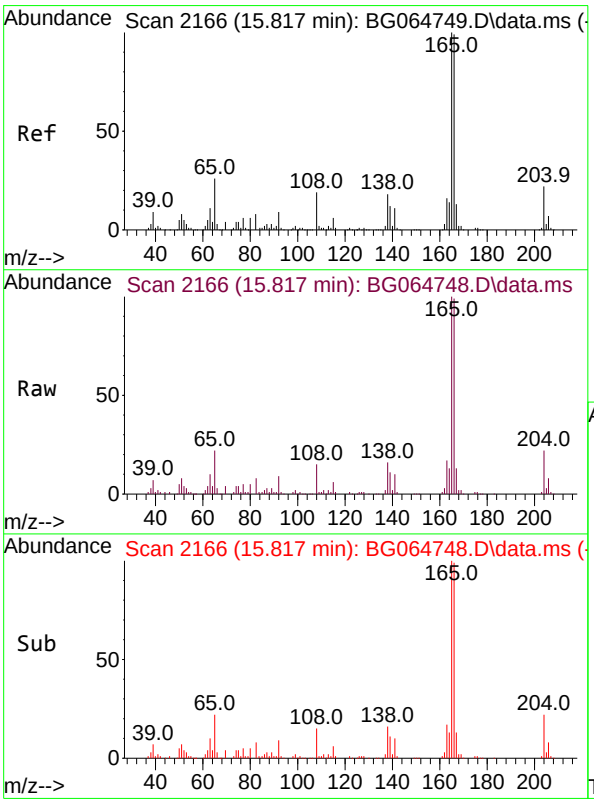
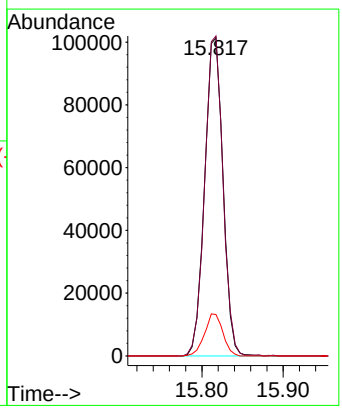
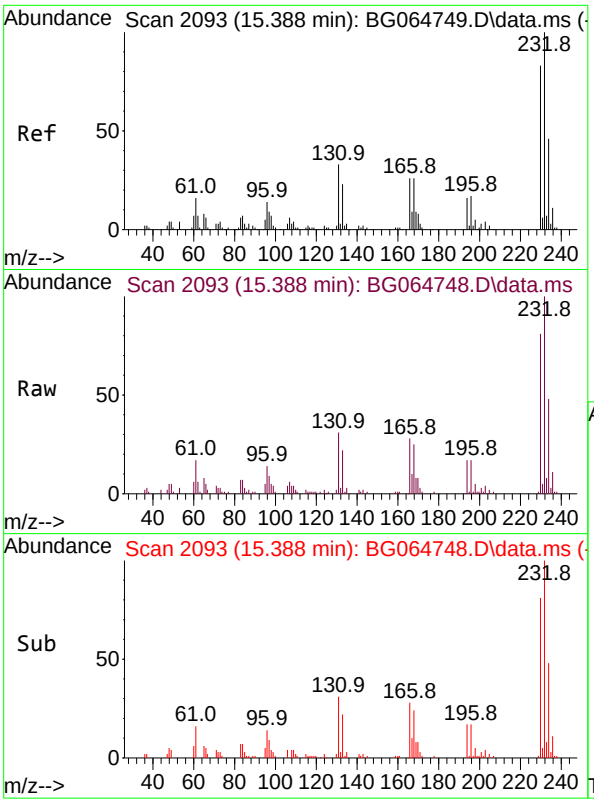


#58
Fluorene
Concen: 21.222 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:166 Resp: 158837

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.5	120.7
167	13.0	10.3	15.5

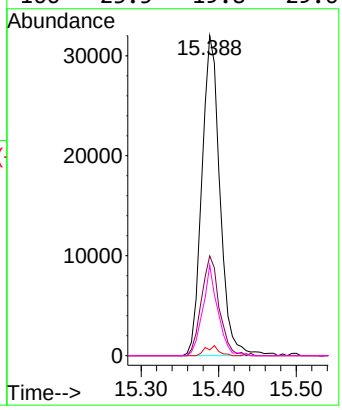




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.601 ng
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:232 Resp: 5185

Ion	Ratio	Lower	Upper
232	100		
131	30.6	26.0	39.0
130	2.3	1.6	2.4
166	23.5	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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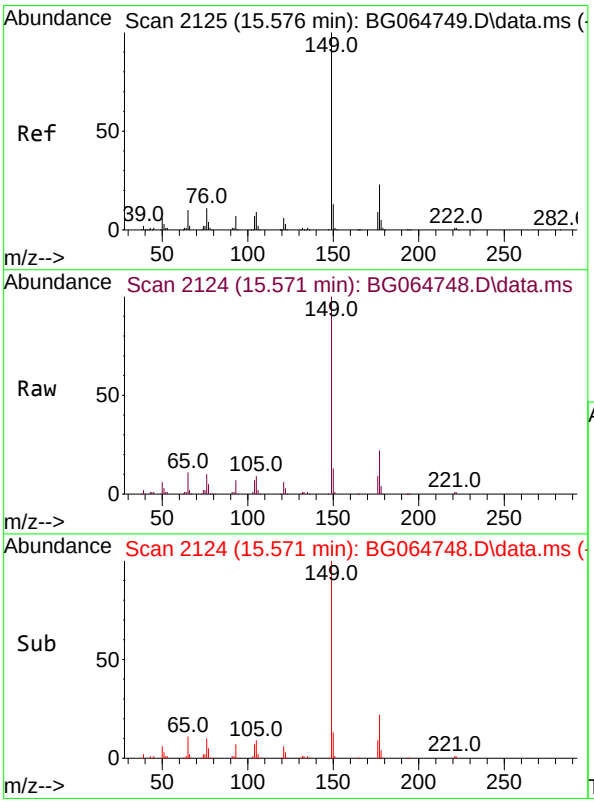
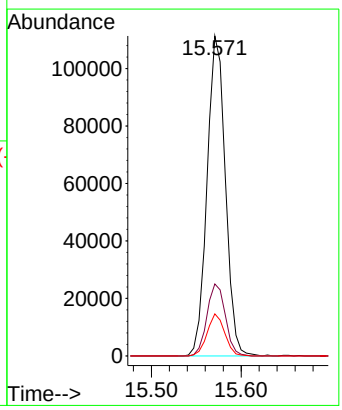
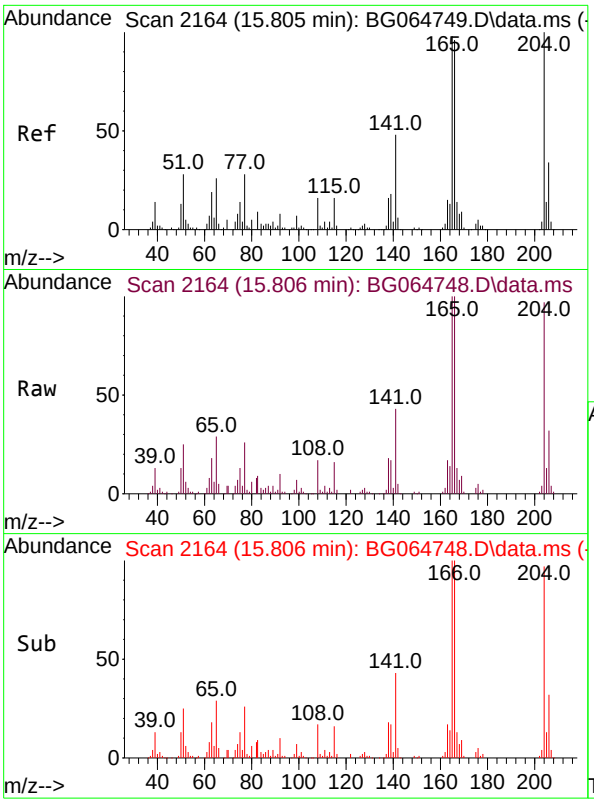


#60
Diethylphthalate
Concen: 20.942 ng
RT: 15.571 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 157815

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.4	27.6
150	13.1	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 20.839 ng
RT: 15.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 9360

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.9	40.3
141	44.7	38.1	57.1

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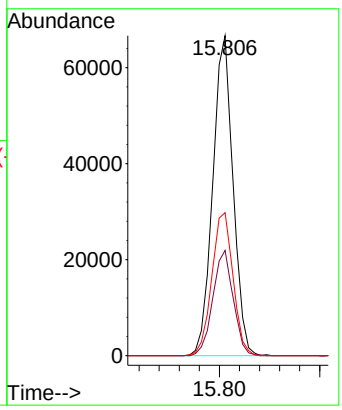
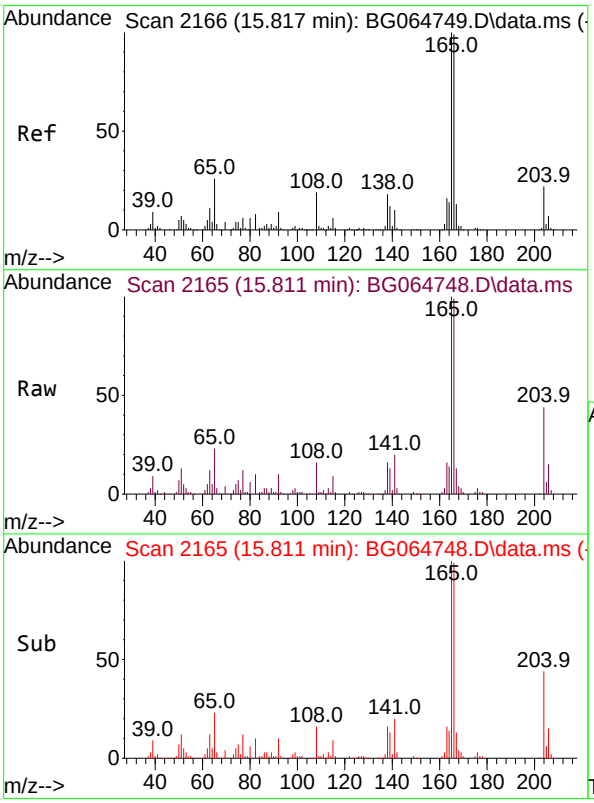
Supervised By :Sohil Jodhani 11/14/2025

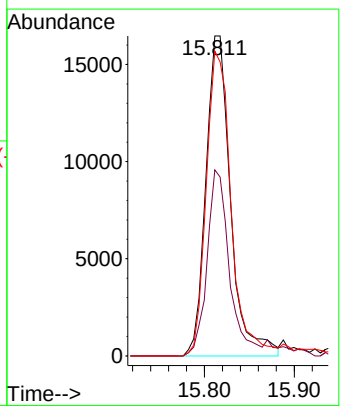


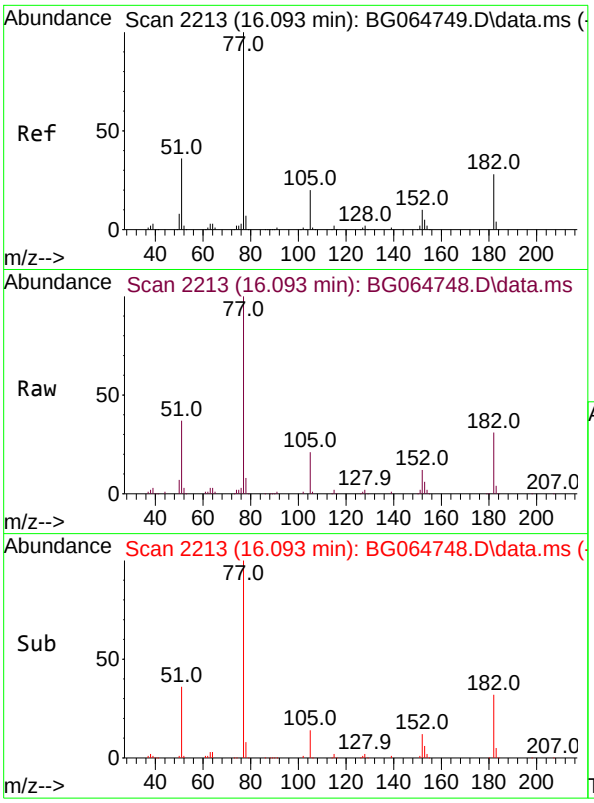


#62
4-Nitroaniline
Concen: 20.442 ng
RT: 15.811 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:138 Resp: 31639

Ion	Ratio	Lower	Upper
138	100		
92	58.1	30.7	70.7
108	95.2	85.7	125.7

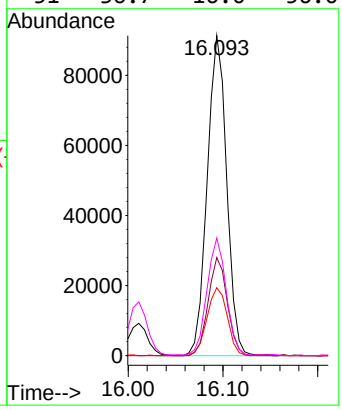




#63
Azobenzene
Concen: 20.795 ng
RT: 16.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion: 77 Resp: 13034

Ion	Ratio	Lower	Upper
77	100		
182	30.6	8.1	48.1
105	21.2	0.1	40.1
51	36.7	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
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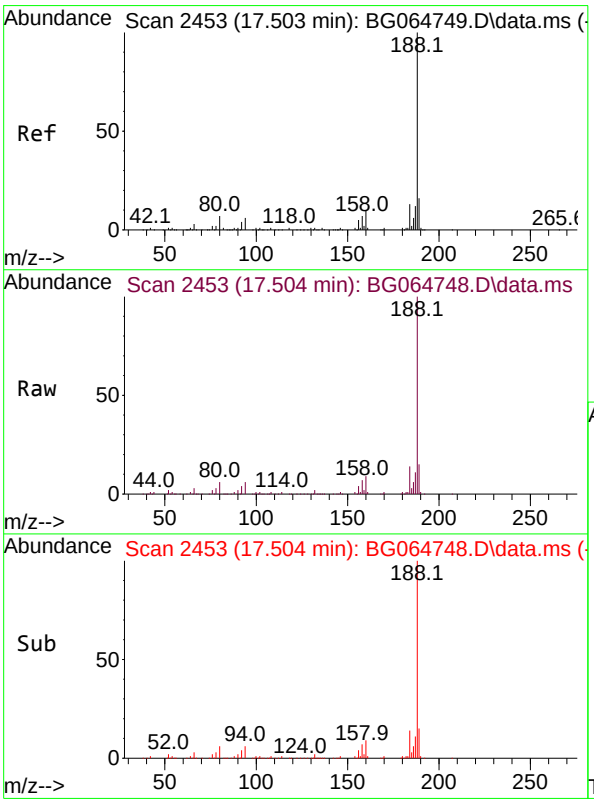
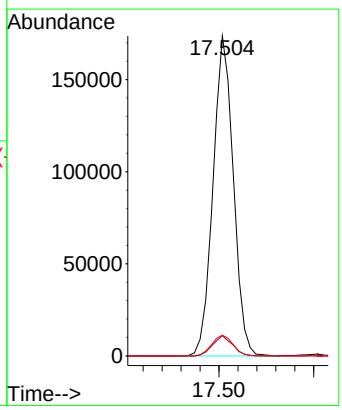
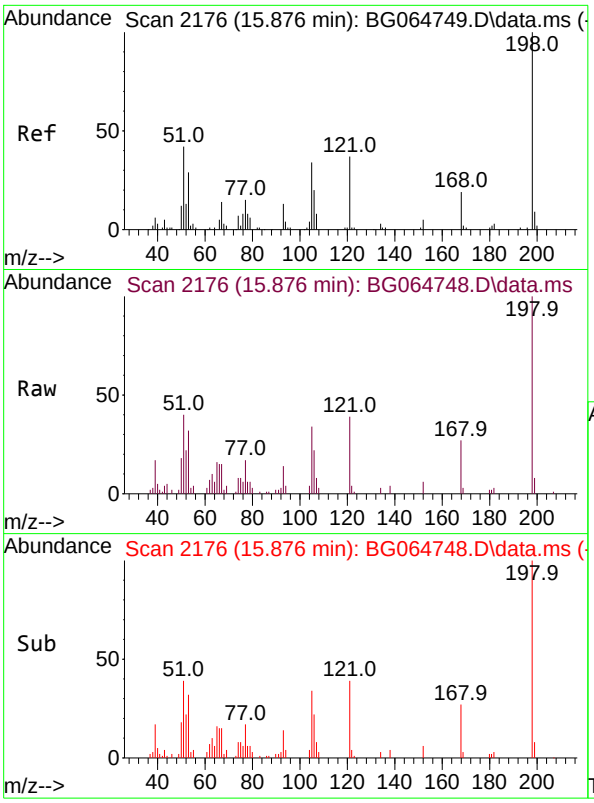


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2453
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:188 Resp: 258312

Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.7	7.1
80	6.5	5.4	8.2

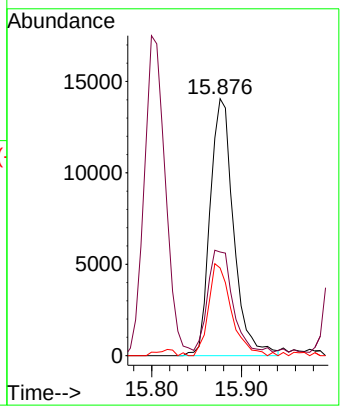




#65
4,6-Dinitro-2-methylphenol
Concen: 17.855 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:198 Resp: 2560

Ion	Ratio	Lower	Upper
198	100		
51	40.4	25.2	65.2
105	34.1	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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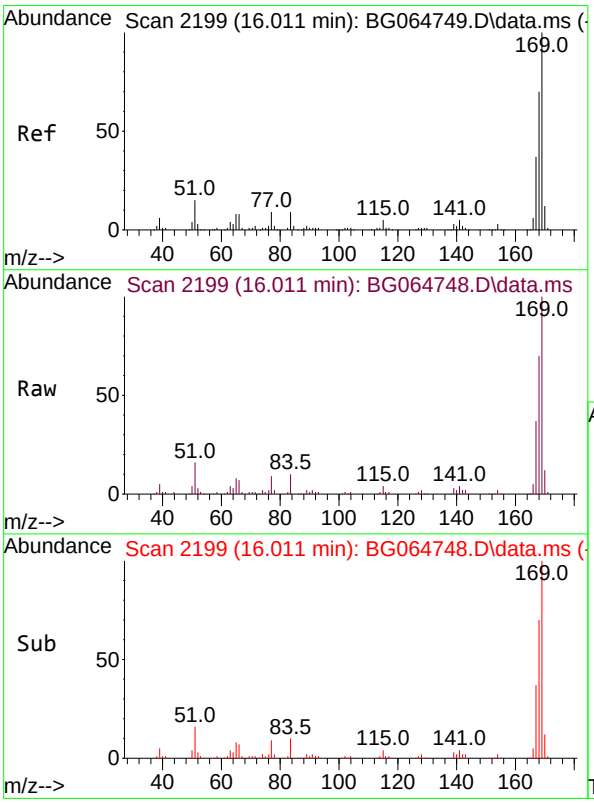
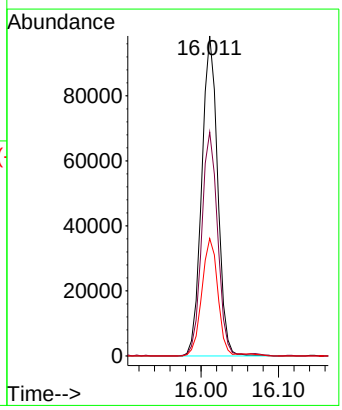
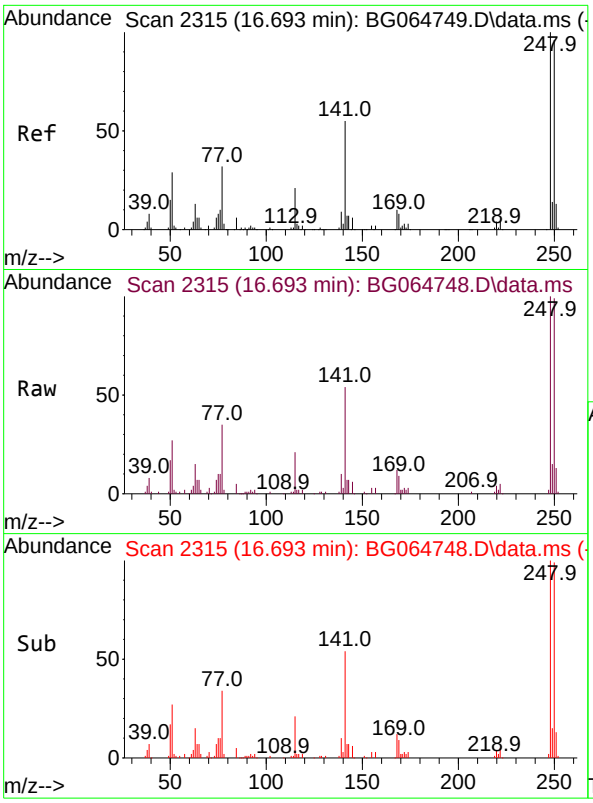


#66
n-Nitrosodiphenylamine
Concen: 20.753 ng
RT: 16.011 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:169 Resp: 140419

Ion	Ratio	Lower	Upper
169	100		
168	69.9	55.9	83.9
167	36.7	29.8	44.6

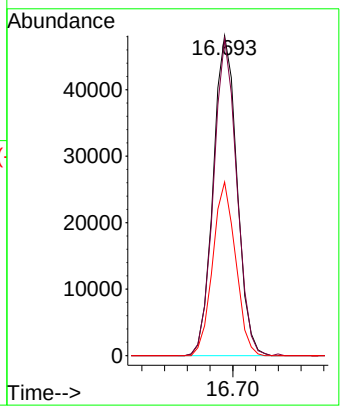




#67
4-Bromophenyl-phenylether
Concen: 20.520 ng
RT: 16.693 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:248 Resp: 6960

Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.0	115.6
141	54.2	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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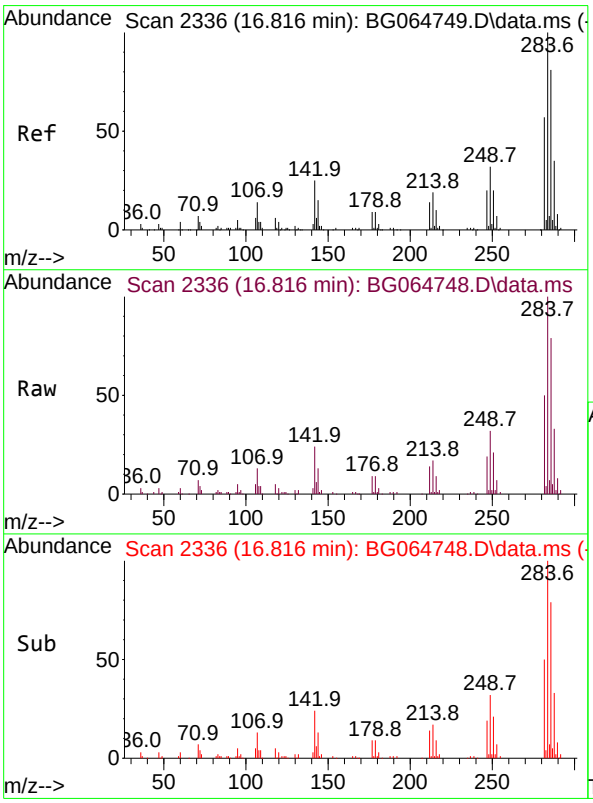
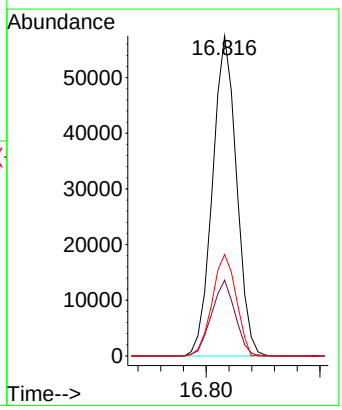
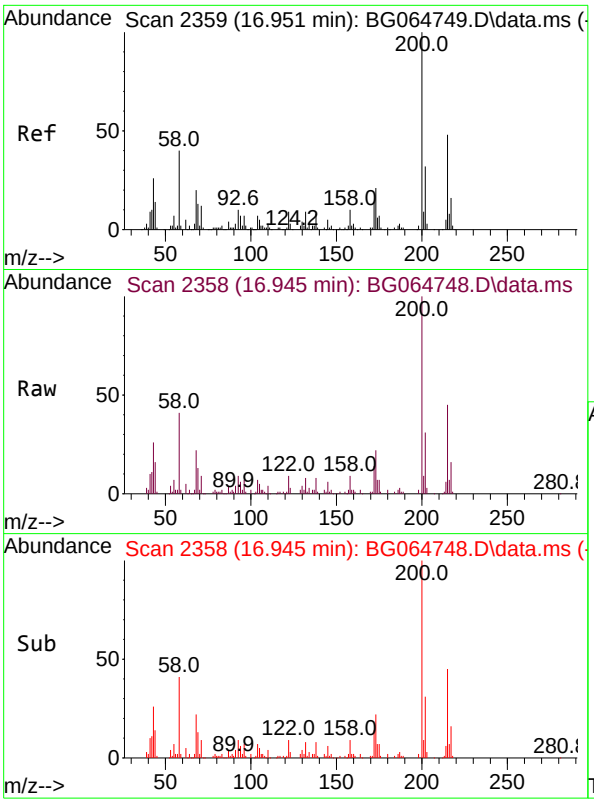


#68
Hexachlorobenzene
Concen: 20.485 ng
RT: 16.816 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:284 Resp: 84192

Ion	Ratio	Lower	Upper
284	100		
142	23.7	19.7	29.5
249	33.8	28.1	42.1

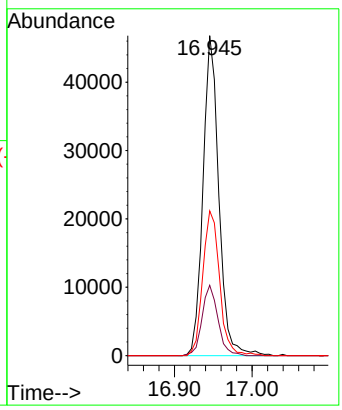




#69
Atrazine
Concen: 20.339 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:200 Resp: 6634

Ion	Ratio	Lower	Upper
200	100		
173	22.0	0.9	40.9
215	45.2	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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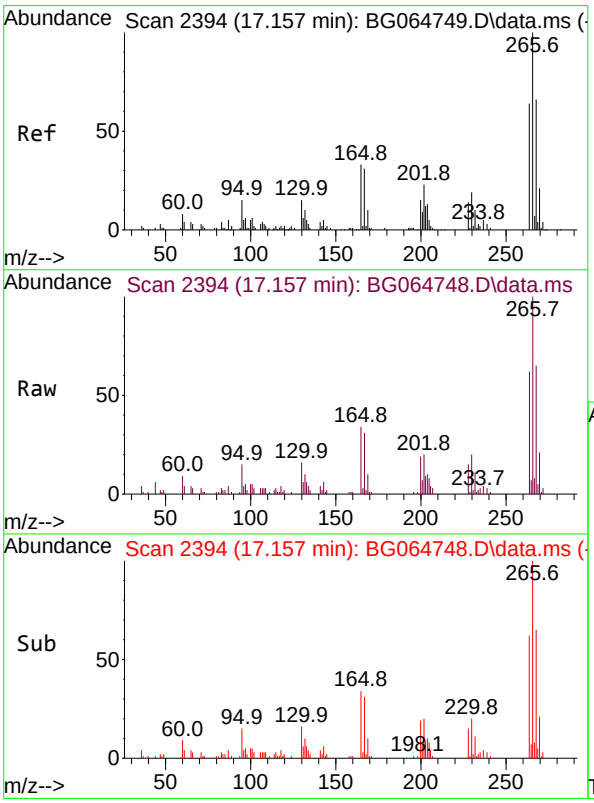
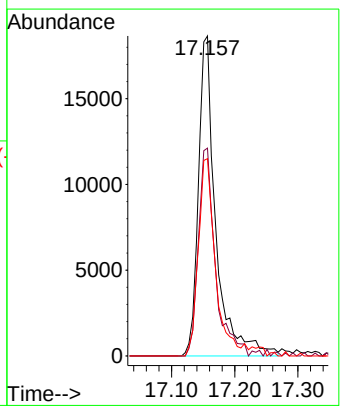
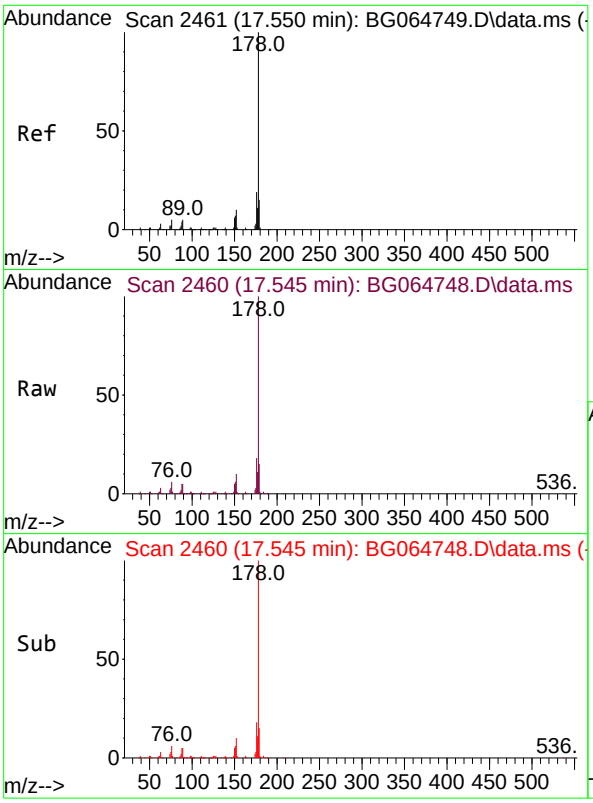


#70
Pentachlorophenol
Concen: 19.686 ng
RT: 17.157 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:266 Resp: 35678

Ion	Ratio	Lower	Upper
266	100		
268	70.1	56.1	84.1
264	61.6	51.2	76.8

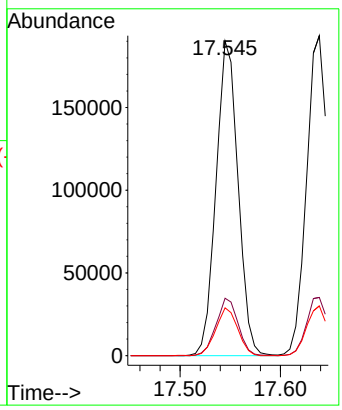




#71
Phenanthrene
Concen: 20.531 ng
RT: 17.545 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:178 Resp: 29016

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.2	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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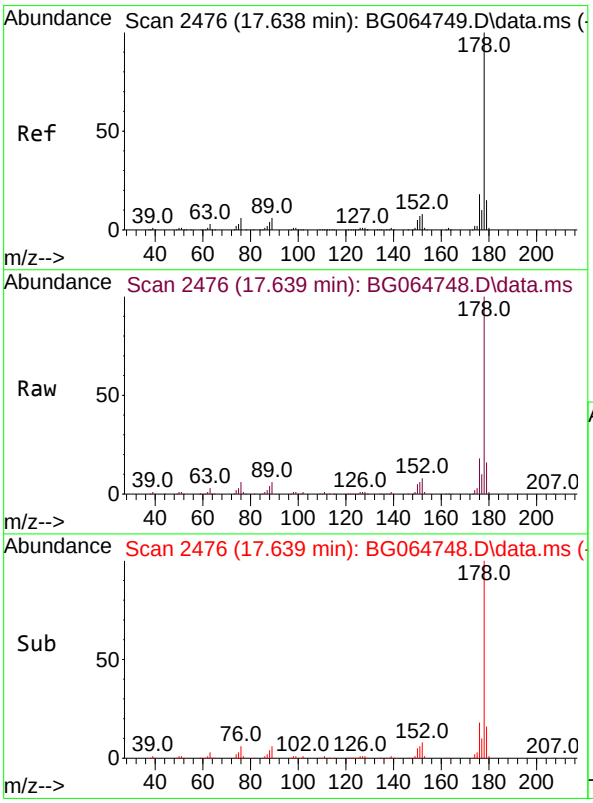
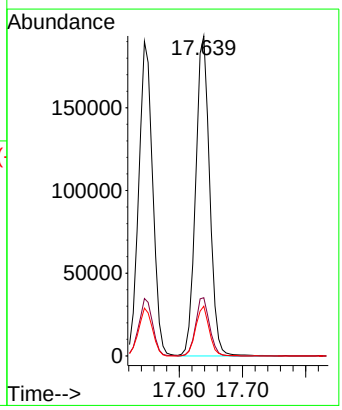
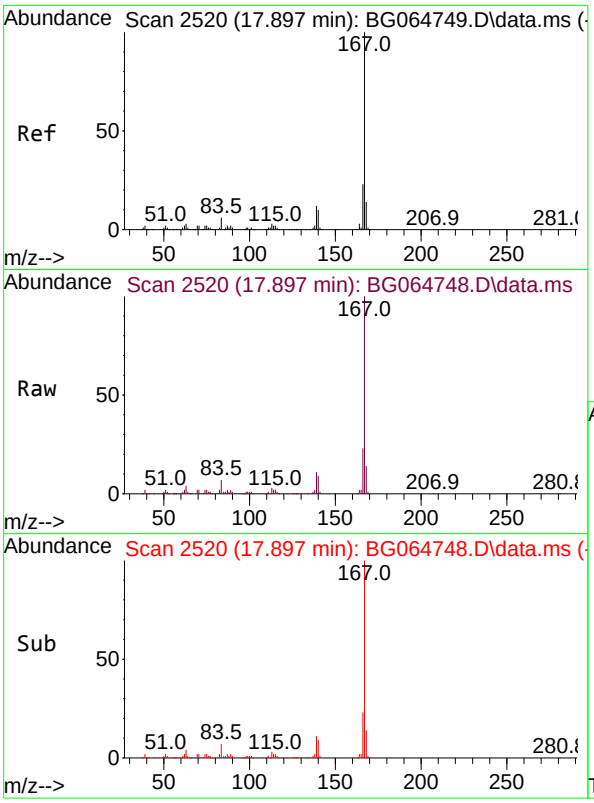


#72
Anthracene
Concen: 20.642 ng
RT: 17.639 min Scan# 2476
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:178 Resp: 297476

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.5	12.2	18.4

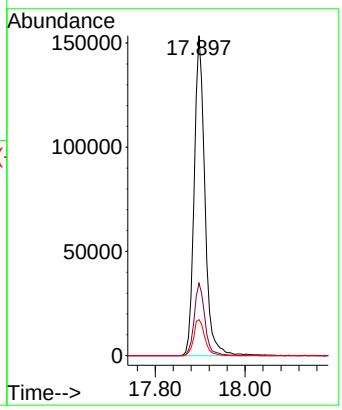




#73
Carbazole
Concen: 20.477 ng
RT: 17.897 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:167 Resp: 25368

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	11.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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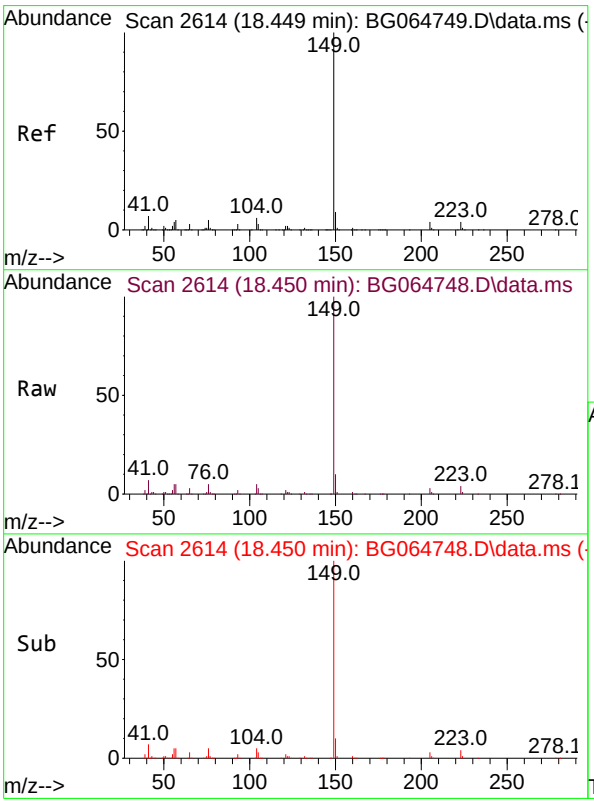
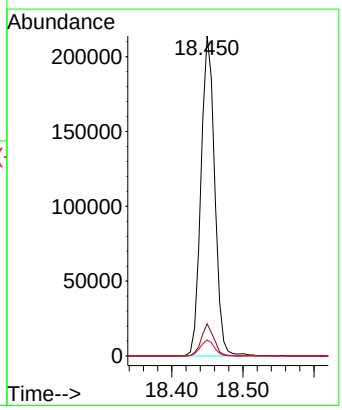
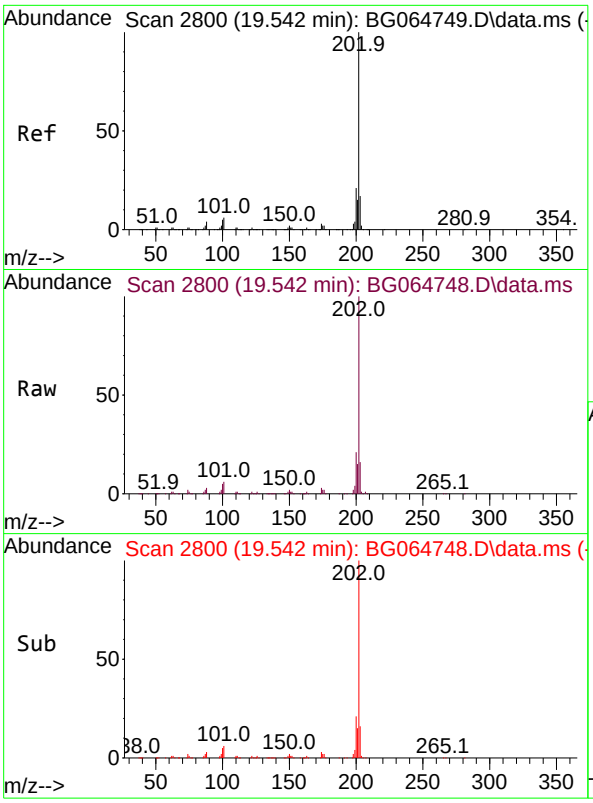


#74
Di-n-butylphthalate
Concen: 20.654 ng
RT: 18.450 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 285465

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.5	11.3
104	5.0	4.4	6.6





#75
Fluoranthene
Concen: 20.462 ng
RT: 19.542 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:202 Resp: 39544

Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	26.4
203	16.3	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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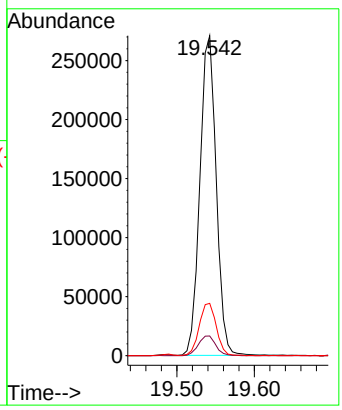
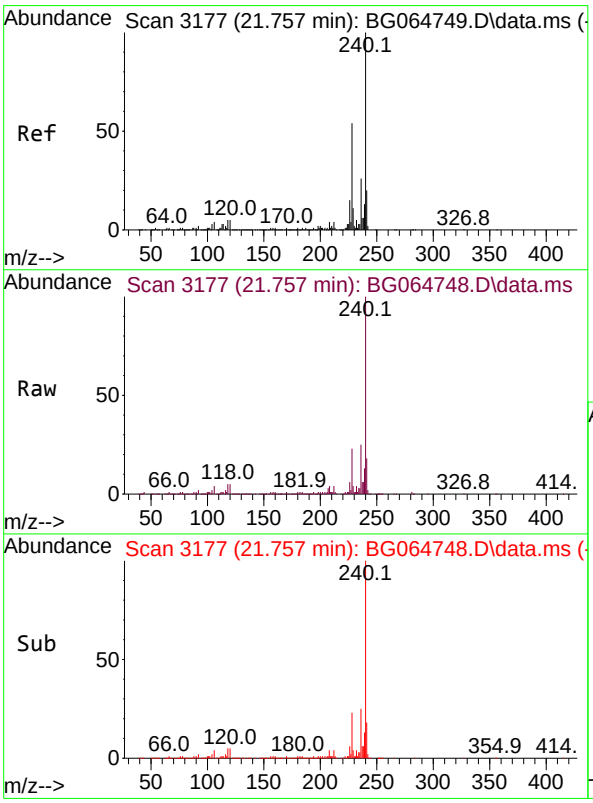
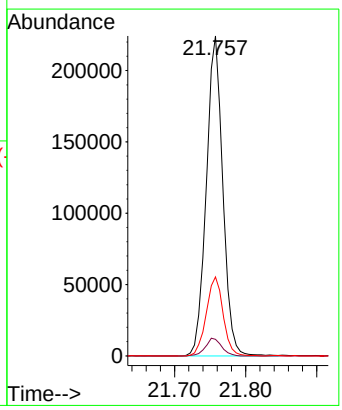


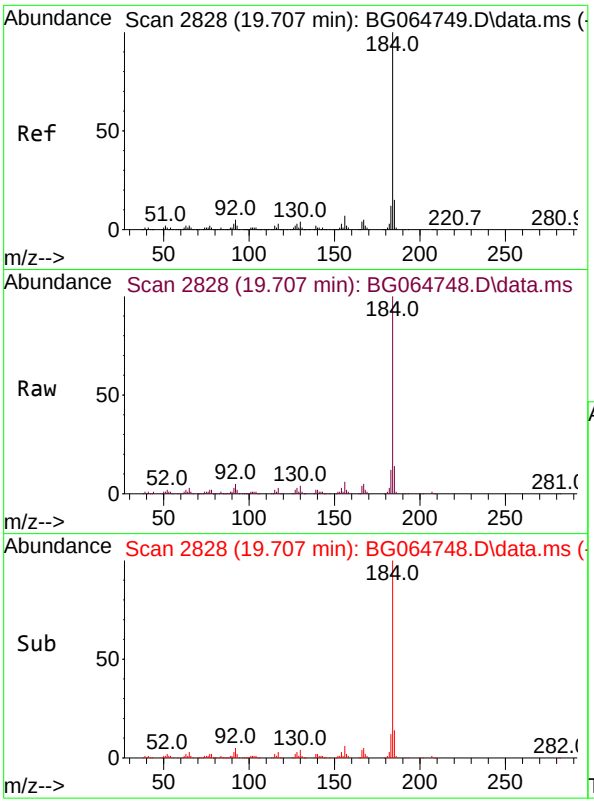


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.757 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:240 Resp: 361266

Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.2	6.4
236	24.7	20.8	31.2

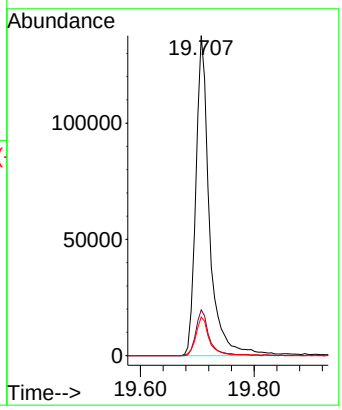




#77
Benzidine
Concen: 21.077 ng
RT: 19.707 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:184 Resp: 228040

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	12.1	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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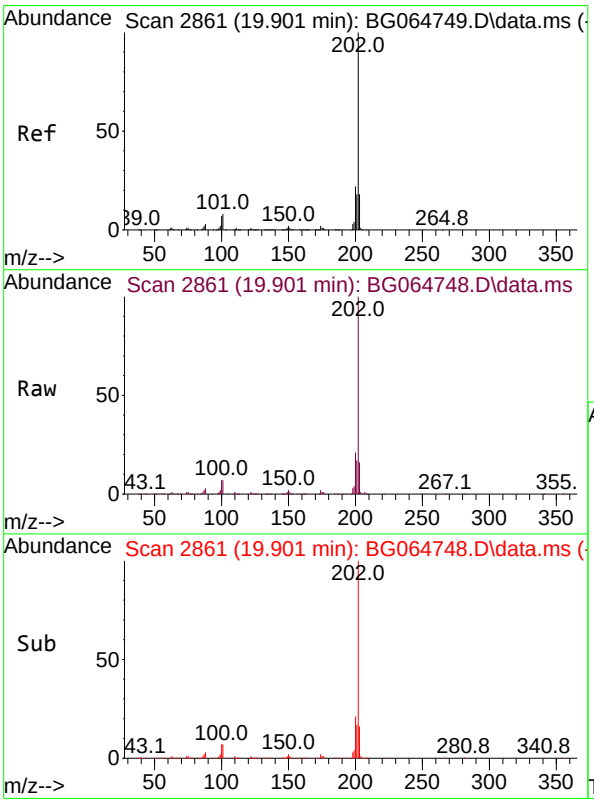
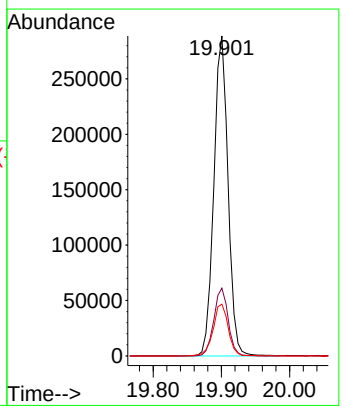
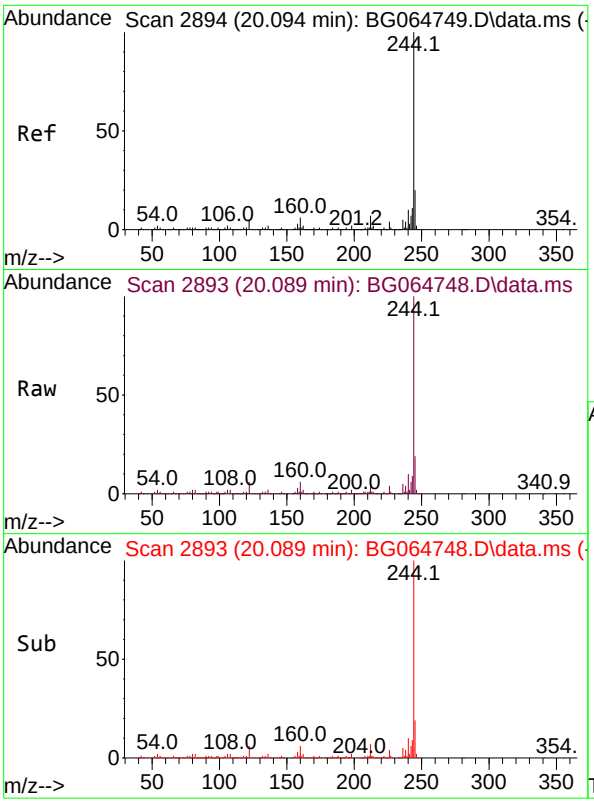


#78
Pyrene
Concen: 20.433 ng
RT: 19.901 min Scan# 2861
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:202 Resp: 413710

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.9	26.9
203	16.2	14.0	21.0





#79
Terphenyl-d14
Concen: 41.712 ng
RT: 20.089 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

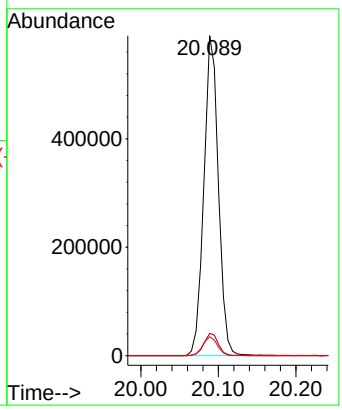
Tgt Ion:244 Resp: 76605

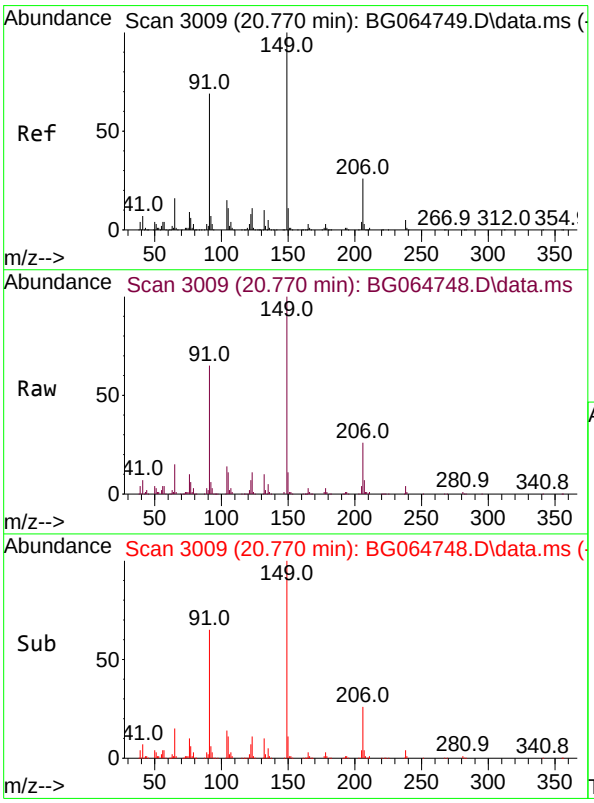
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	5.9	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

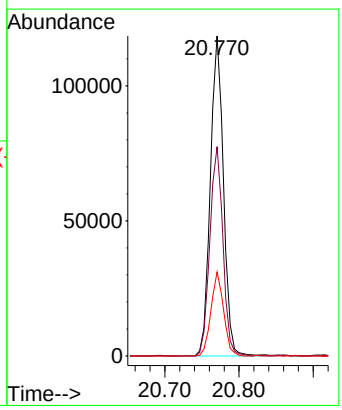


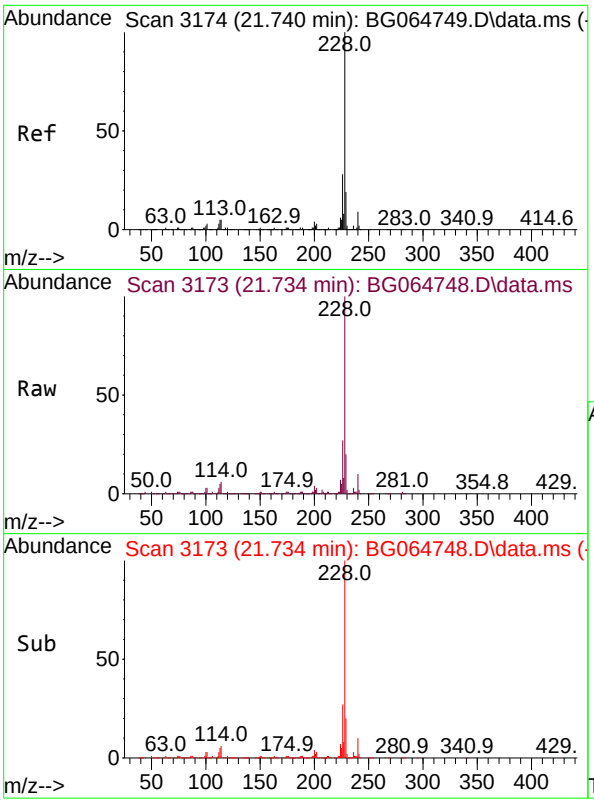


#80
Butylbenzylphthalate
Concen: 20.408 ng
RT: 20.770 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 145343

Ion	Ratio	Lower	Upper
149	100		
91	65.4	54.9	82.3
206	26.3	21.2	31.8

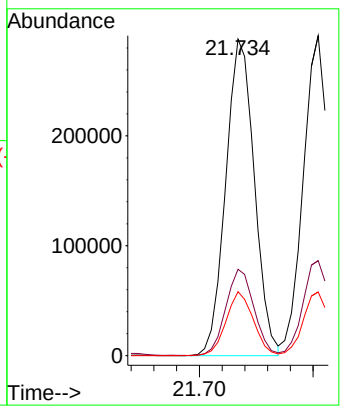




#81
Benzo(a)anthracene
Concen: 20.512 ng
RT: 21.734 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:228 Resp: 50386

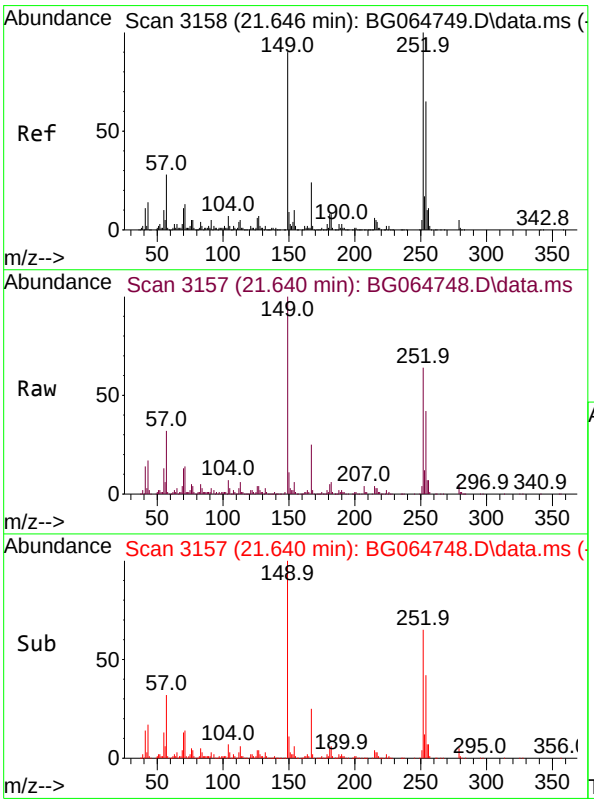
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.2	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

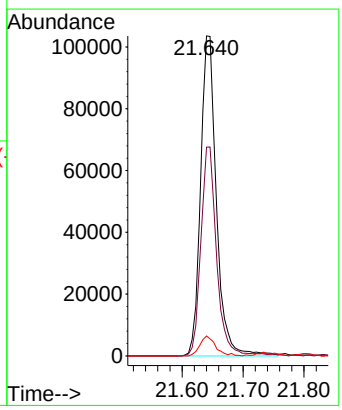
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

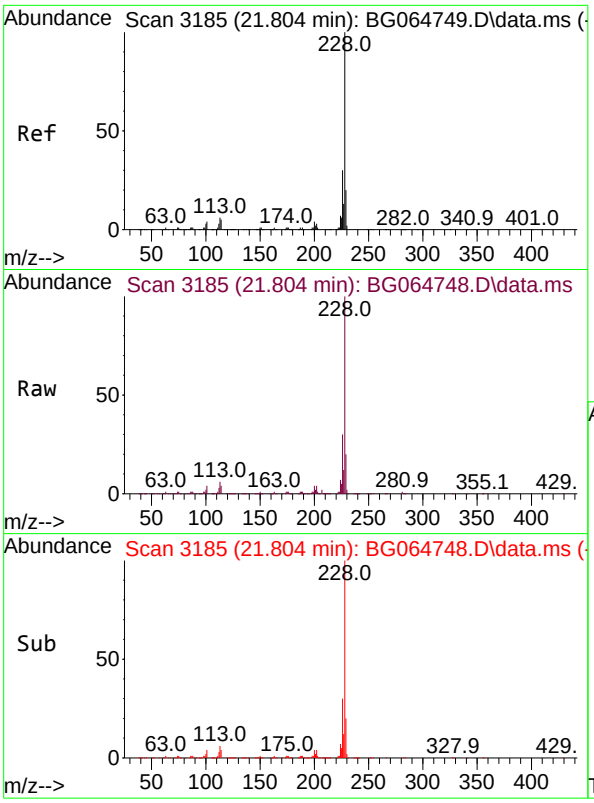


#82
3,3'-Dichlorobenzidine
Concen: 20.680 ng
RT: 21.640 min Scan# 3157
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 186980

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.8	77.8
126	6.2	4.7	7.1





#83
Chrysene
Concen: 20.299 ng
RT: 21.804 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 47011

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.9	16.0	24.0

Manual Integrations
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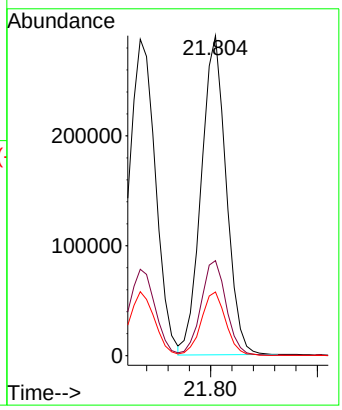
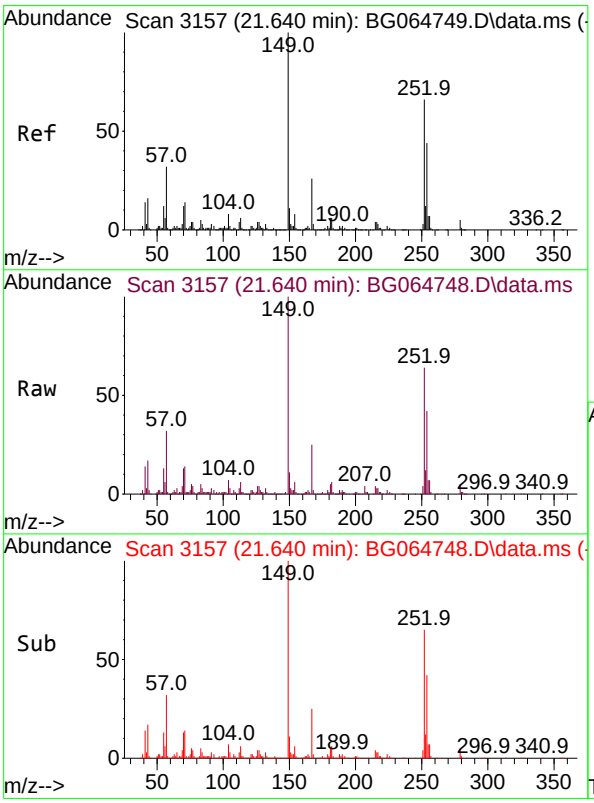
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

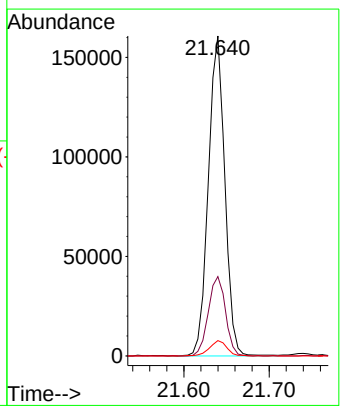


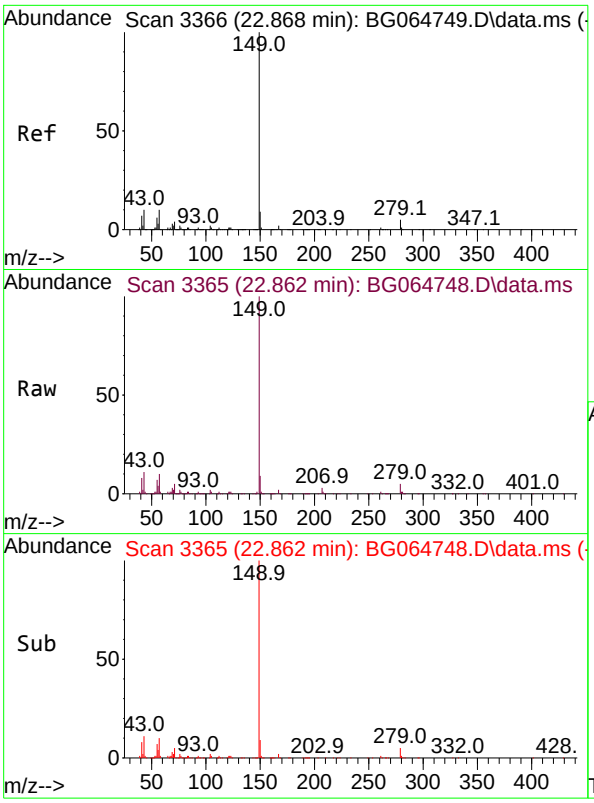


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.763 ng
RT: 21.640 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 216073

Ion	Ratio	Lower	Upper
149	100		
167	24.8	21.0	31.4
279	4.8	4.1	6.1

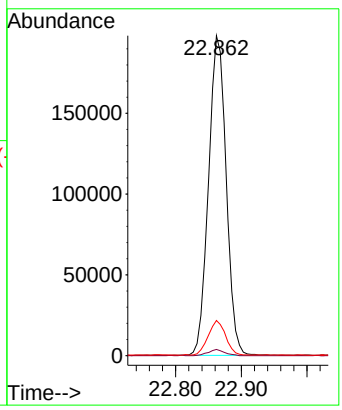




#85
Di-n-octyl phthalate
Concen: 20.598 ng
RT: 22.862 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:149 Resp: 370539

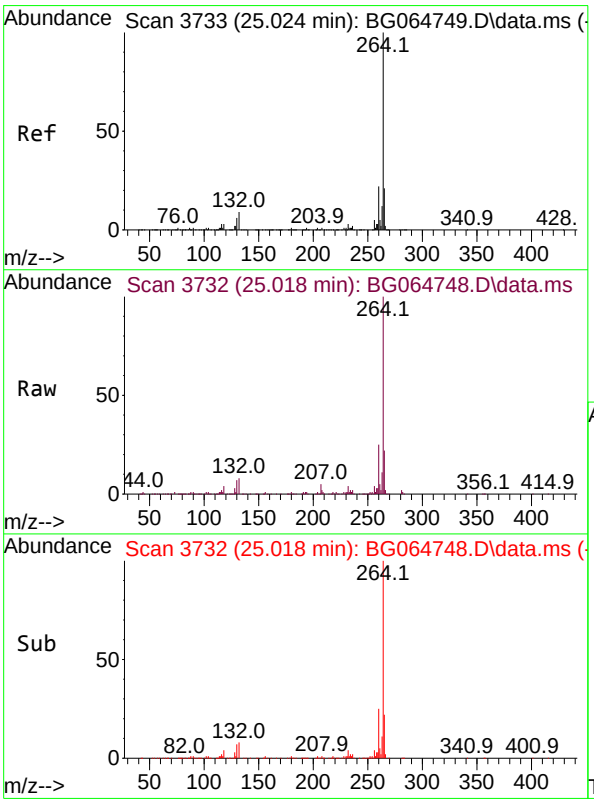
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	10.8	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

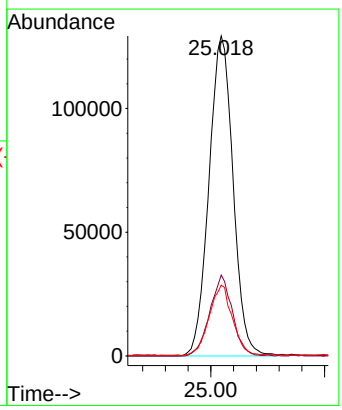
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

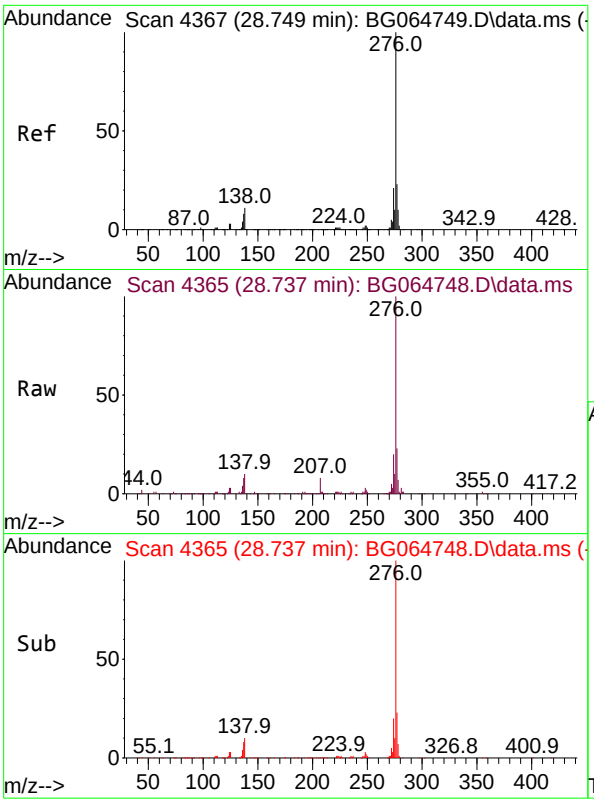


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3732
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:264 Resp: 380612

Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.2	25.8
265	22.1	16.6	25.0

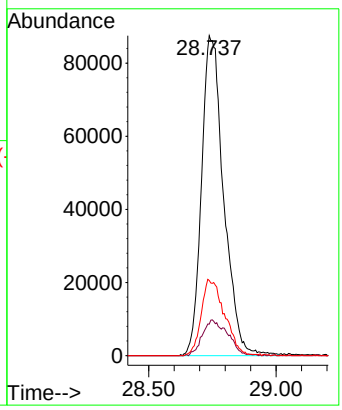




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.196 ng
RT: 28.737 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:276 Resp: 52810

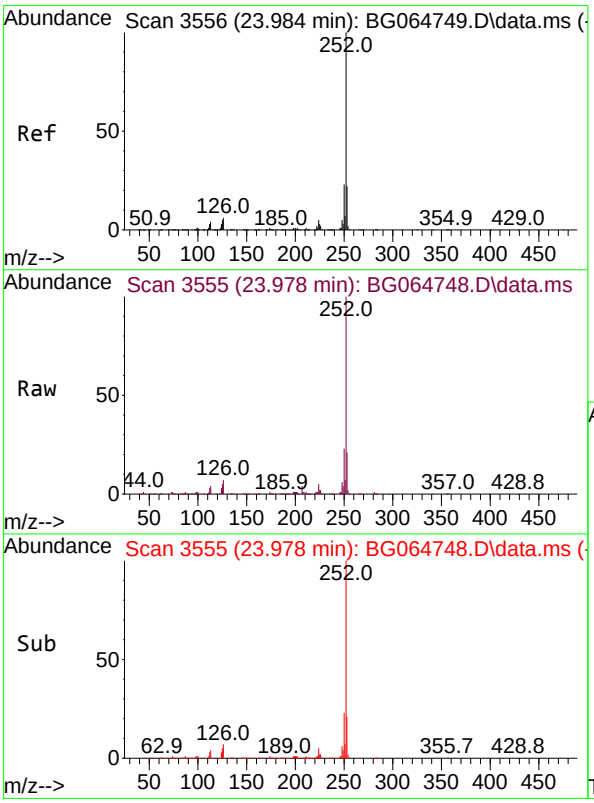
Ion	Ratio	Lower	Upper
276	100		
138	12.6	4.5	6.7
277	25.0	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

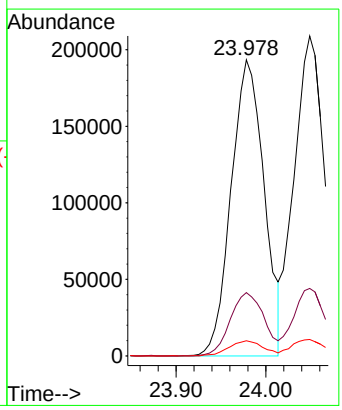
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

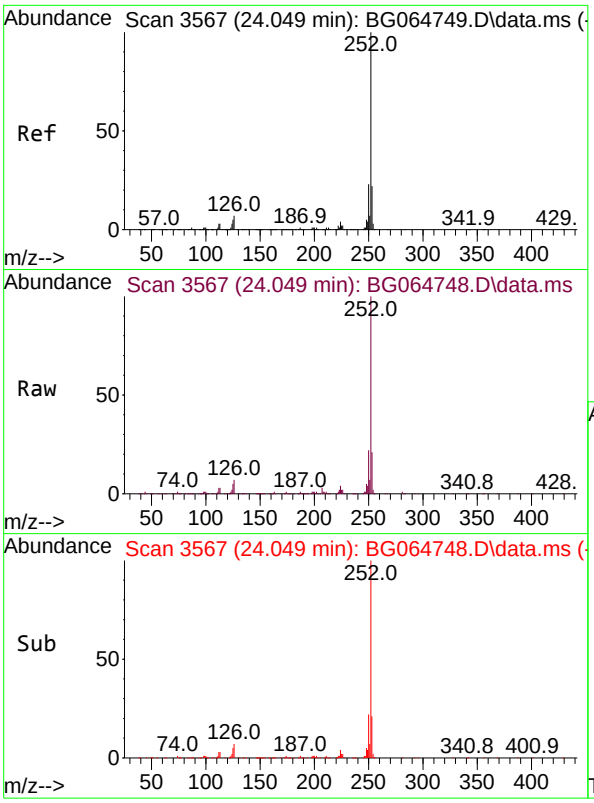


#88
Benzo(b)fluoranthene
Concen: 20.419 ng
RT: 23.978 min Scan# 3555
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 494588

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	5.1	4.2	6.2

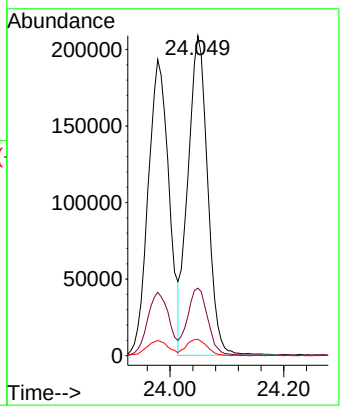




#89
Benzo(k)fluoranthene
Concen: 20.661 ng
RT: 24.049 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 50278

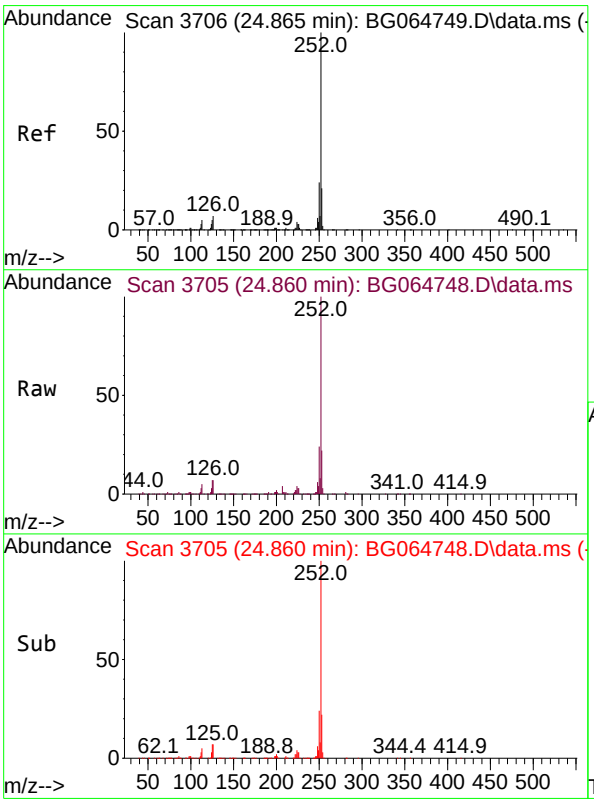
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.8
125	5.1	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

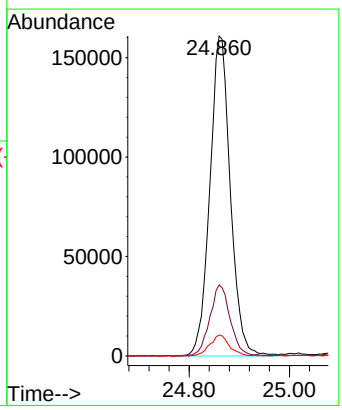
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

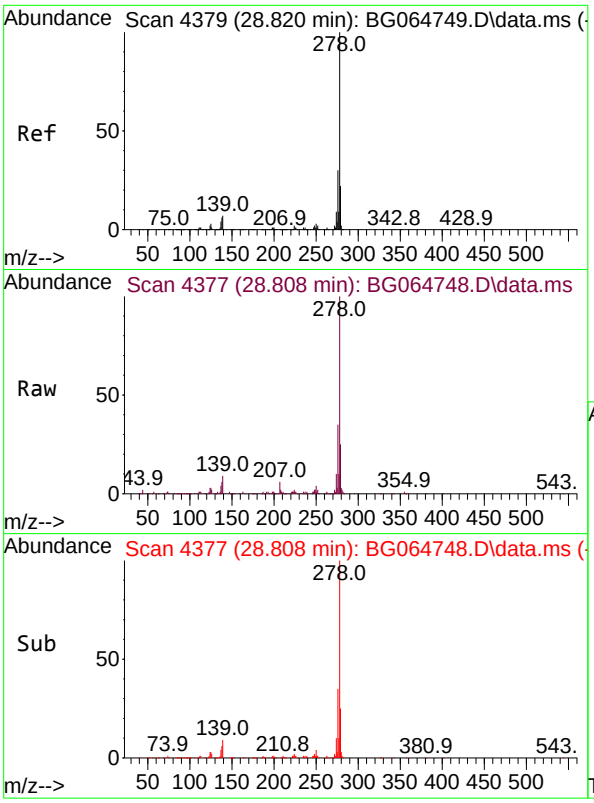


#90
Benzo(a)pyrene
Concen: 20.279 ng
RT: 24.860 min Scan# 3705
Delta R.T. -0.006 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:252 Resp: 455638

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.9	25.3
125	6.5	4.2	6.4#

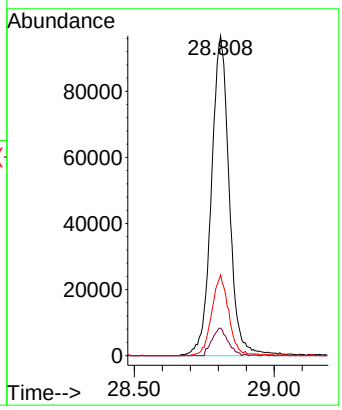




#91
Dibenzo(a,h)anthracene
Concen: 20.043 ng
RT: 28.808 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:278 Resp: 42935

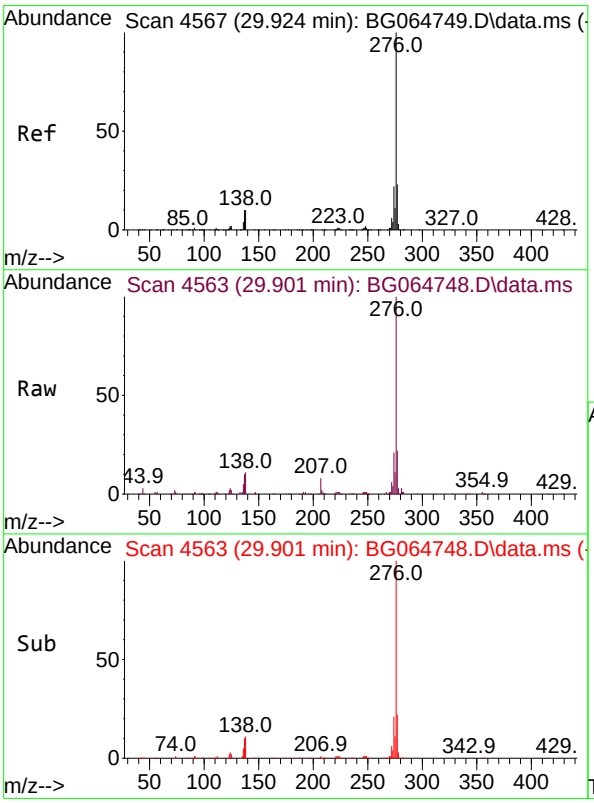
Ion	Ratio	Lower	Upper
278	100		
139	8.5	5.8	8.8
279	25.2	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

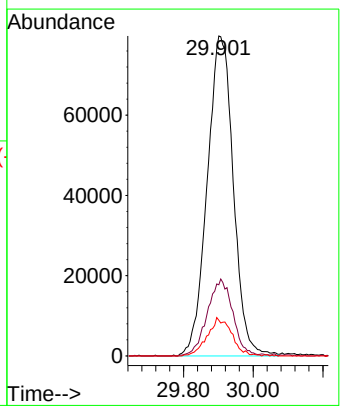
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 20.148 ng
RT: 29.901 min Scan# 4563
Delta R.T. -0.023 min
Lab File: BG064748.D
Acq: 12 Nov 2025 13:20

Tgt Ion:276 Resp: 415387

Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.0	27.0
138	11.1	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	29893	20.000	ng	0.00
21) Naphthalene-d8	10.987	136	119709	20.000	ng	0.00
39) Acenaphthene-d10	14.777	164	96177	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	237407	20.000	ng	0.00
76) Chrysene-d12	21.757	240	329177	20.000	ng	0.00
86) Perylene-d12	25.024	264	372727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	139863	81.702	ng	0.00
7) Phenol-d6	7.309	99	188921	82.974	ng	0.00
23) Nitrobenzene-d5	9.331	82	198316	81.909	ng	0.00
42) 2,4,6-Tribromophenol	16.252	330	148361	79.094	ng	0.00
45) 2-Fluorobiphenyl	13.408	172	546263	79.252	ng	0.00
79) Terphenyl-d14	20.094	244	1332639	79.636	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.531	88	27983	42.224	ng	100
3) Pyridine	3.943	79	81588	41.318	ng	100
4) n-Nitrosodimethylamine	3.849	42	41058	40.853	ng	100
6) Aniline	7.480	93	126088	41.546	ng	100
8) 2-Chlorophenol	7.727	128	77911	41.449	ng	100
9) Benzaldehyde	7.292	77	61503	41.265	ng	100
10) Phenol	7.339	94	102268	41.282	ng	100
11) bis(2-Chloroethyl)ether	7.574	93	73774	41.850	ng	100
12) 1,3-Dichlorobenzene	8.056	146	89183	41.233	ng	100
13) 1,4-Dichlorobenzene	8.202	146	89723	40.738	ng	100
14) 1,2-Dichlorobenzene	8.526	146	88214	41.308	ng	100
15) Benzyl Alcohol	8.396	79	78013	41.743	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.696	45	169410	40.601	ng	100
17) 2-Methylphenol	8.596	107	72805	41.535	ng	100
18) Hexachloroethane	9.266	117	33674	40.368	ng	100
19) n-Nitroso-di-n-propyla...	8.972	70	65561	42.586	ng	100
20) 3+4-Methylphenols	8.925	107	98567	41.047	ng	100
22) Acetophenone	8.990	105	134228	41.157	ng	100
24) Nitrobenzene	9.372	77	99239	40.566	ng	100
25) Isophorone	9.900	82	183548	39.810	ng	100
26) 2-Nitrophenol	10.083	139	46262	42.042	ng	100
27) 2,4-Dimethylphenol	10.136	122	79277	40.554	ng	100
28) bis(2-Chloroethoxy)met...	10.376	93	101634	40.152	ng	100
29) 2,4-Dichlorophenol	10.623	162	87203	41.549	ng	100
30) 1,2,4-Trichlorobenzene	10.846	180	101577	40.080	ng	100
31) Naphthalene	11.034	128	273246	40.266	ng	100
32) Benzoic acid	10.247	122	48881m	36.872	ng	
33) 4-Chloroaniline	11.128	127	112885	41.584	ng	100
34) Hexachlorobutadiene	11.322	225	87713	40.337	ng	100
35) Caprolactam	11.886	113	24687	39.361	ng	100
36) 4-Chloro-3-methylphenol	12.233	107	93305	39.942	ng	100
37) 2-Methylnaphthalene	12.627	142	202114	39.800	ng	100
38) 1-Methylnaphthalene	12.844	142	199683	39.585	ng	100
40) 1,2,4,5-Tetrachloroben...	12.991	216	150333	40.165	ng	100
41) Hexachlorocyclopentadiene	12.973	237	107795	40.179	ng	100
43) 2,4,6-Trichlorophenol	13.220	196	89524	40.752	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.291	196	100121	40.636	ng	100
46) 1,1'-Biphenyl	13.620	154	274766	39.776	ng	100
47) 2-Chloronaphthalene	13.661	162	215361	39.573	ng	100
48) 2-Nitroaniline	13.849	65	71445	40.816	ng	100
49) Acenaphthylene	14.501	152	371193	39.925	ng	100
50) Dimethylphthalate	14.219	163	297932	39.215	ng	100
51) 2,6-Dinitrotoluene	14.336	165	58753	40.189	ng	100
52) Acenaphthene	14.842	154	224207	40.220	ng	100
53) 3-Nitroaniline	14.666	138	58858	40.792	ng	100
54) 2,4-Dinitrophenol	14.871	184	32531	37.583	ng	100
55) Dibenzofuran	15.171	168	359176	38.973	ng	100
56) 4-Nitrophenol	14.959	139	46427	40.555	ng	100
57) 2,4-Dinitrotoluene	15.118	165	88959	40.589	ng	100
58) Fluorene	15.817	166	282884	39.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.388	232	96448	39.675	ng	100
60) Diethylphthalate	15.576	149	287069	39.444	ng	100
61) 4-Chlorophenyl-phenyle...	15.805	204	169253	39.017	ng	100
62) 4-Nitroaniline	15.817	138	61547	41.175	ng	100
63) Azobenzene	16.093	77	237589	39.248	ng	100
65) 4,6-Dinitro-2-methylph...	15.876	198	55489	42.097	ng	100
66) n-Nitrosodiphenylamine	16.011	169	255647	41.111	ng	100
67) 4-Bromophenyl-phenylether	16.693	248	127918	41.030	ng	100
68) Hexachlorobenzene	16.816	284	151827	40.195	ng	100
69) Atrazine	16.951	200	120184	40.086	ng	100
70) Pentachlorophenol	17.157	266	76096	37.572	ng	100
71) Phenanthrene	17.550	178	521873	40.177	ng	100
72) Anthracene	17.638	178	528364	39.892	ng	100
73) Carbazole	17.897	167	460859	40.475	ng	100
74) Di-n-butylphthalate	18.449	149	511236	40.245	ng	100
75) Fluoranthene	19.542	202	709557	39.948	ng	100
77) Benzidine	19.707	184	369544	37.485	ng	100
78) Pyrene	19.901	202	731495	39.650	ng	100
80) Butylbenzylphthalate	20.770	149	257466	39.676	ng	100
81) Benzo(a)anthracene	21.740	228	907919	40.563	ng	100
82) 3,3'-Dichlorobenzidine	21.646	252	340049	41.276	ng	100
83) Chrysene	21.804	228	861680	40.834	ng	100
84) Bis(2-ethylhexyl)phtha...	21.640	149	384010	40.497	ng	100
85) Di-n-octyl phthalate	22.868	149	683175	41.680	ng	100
87) Indeno(1,2,3-cd)pyrene	28.749	276	1043099	40.734	ng	100
88) Benzo(b)fluoranthene	23.984	252	962053	40.559	ng	100
89) Benzo(k)fluoranthene	24.049	252	931152	39.075	ng	100
90) Benzo(a)pyrene	24.865	252	887984	40.357	ng	100
91) Dibenzo(a,h)anthracene	28.820	278	858362	40.917	ng	100
92) Benzo(g,h,i)perylene	29.924	276	823658	40.796	ng	100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064749.D
Acq On : 12 Nov 2025 14:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 12 16:57:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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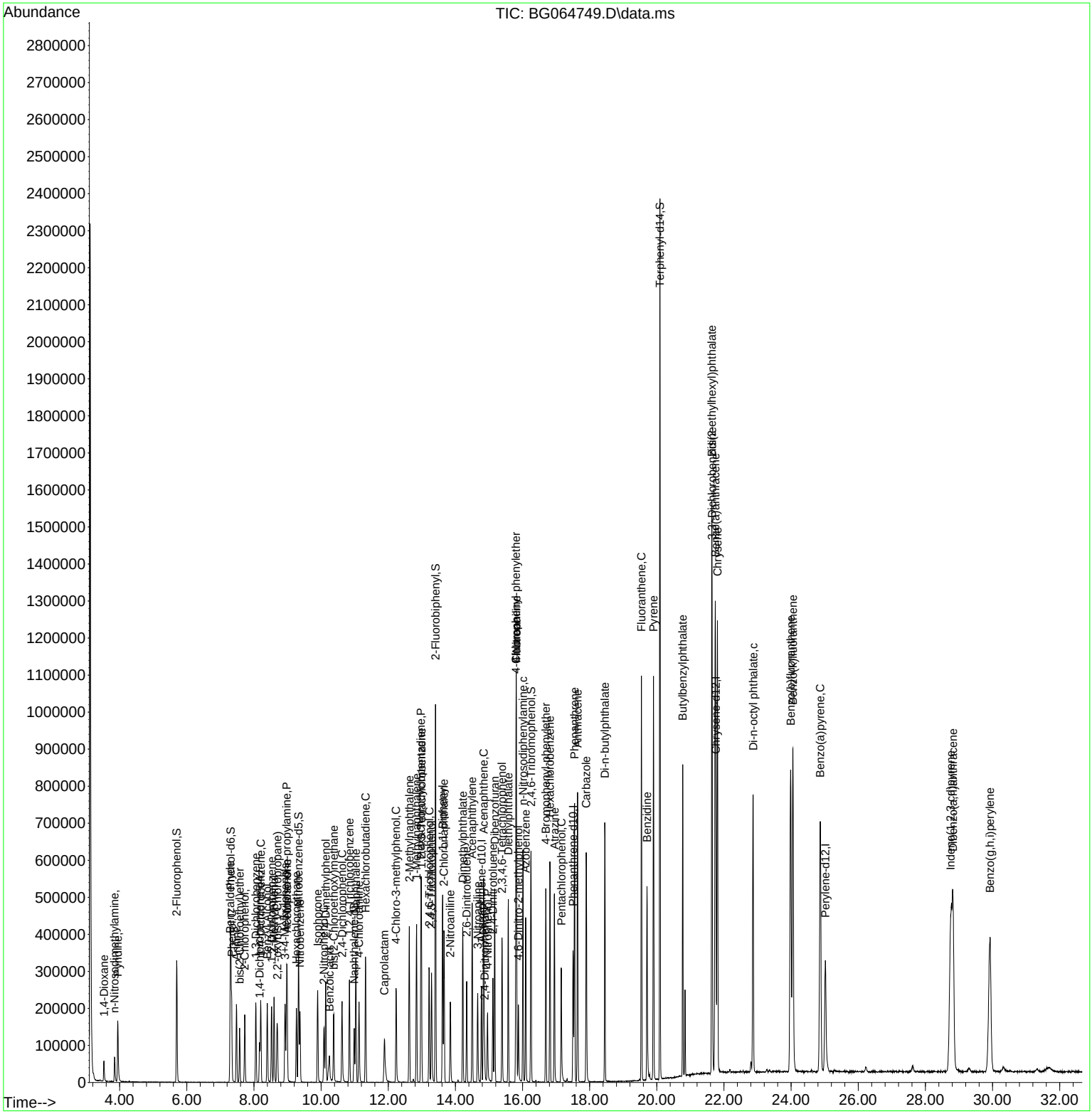
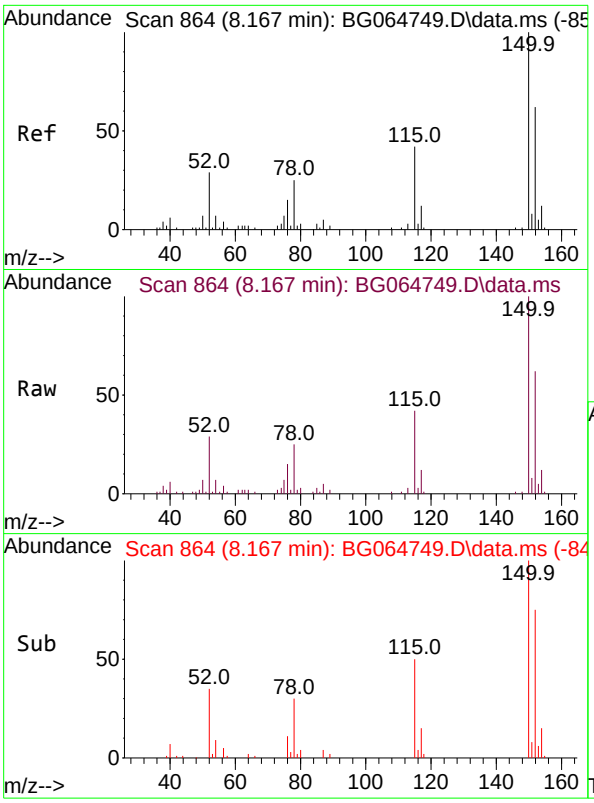
Supervised By :Sohil Jodhani 11/14/2025

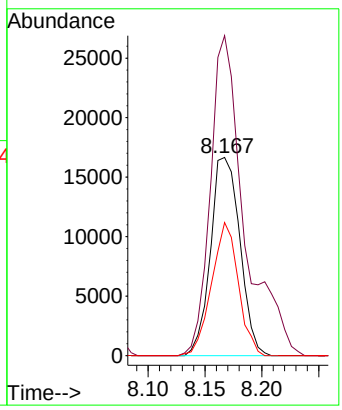




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:152 Resp: 2989

Ion	Ratio	Lower	Upper
152	100		
150	161.5	129.2	193.8
115	67.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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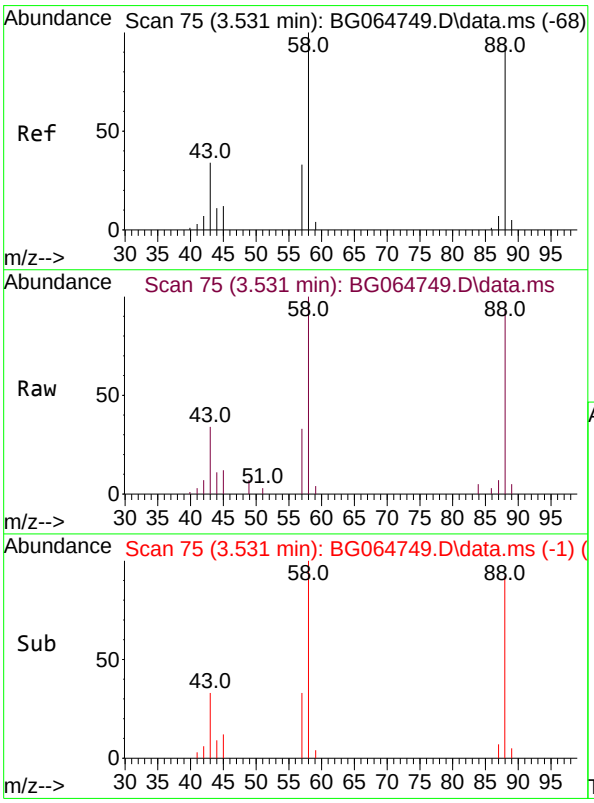
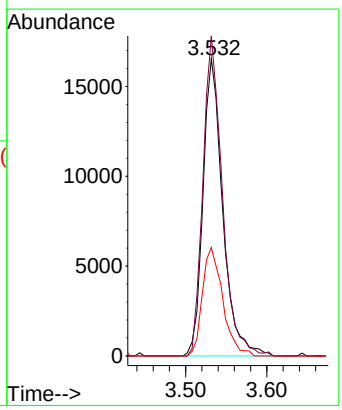
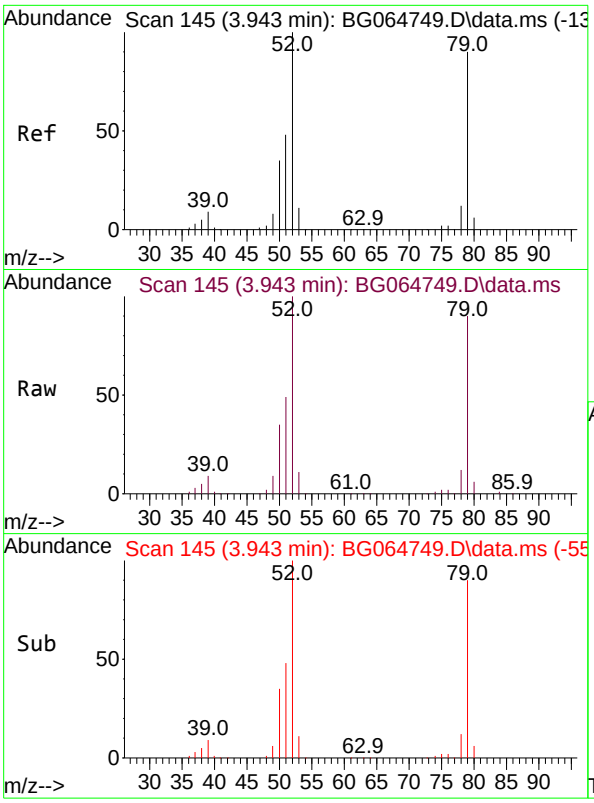


#2
1,4-Dioxane
Concen: 42.224 ng
RT: 3.531 min Scan# 75
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 88 Resp: 27983

Ion	Ratio	Lower	Upper
88	100		
58	105.7	84.6	126.8
43	37.5	30.0	45.0

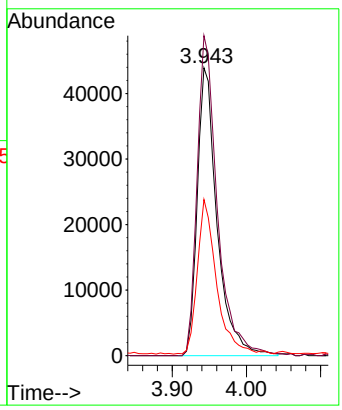




#3
Pyridine
Concen: 41.318 ng
RT: 3.943 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 79 Resp: 8158

Ion	Ratio	Lower	Upper
79	100		
52	111.2	89.0	133.4
51	54.2	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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Reviewed By :Jagrut Upadhyay 11/14/2025
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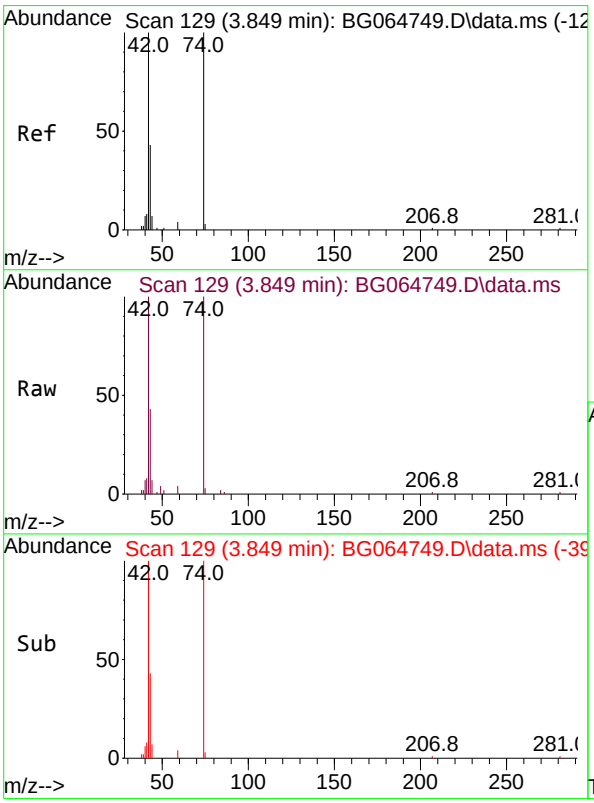
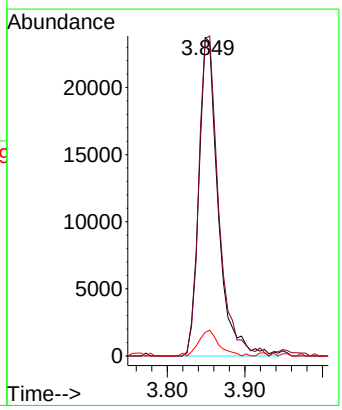
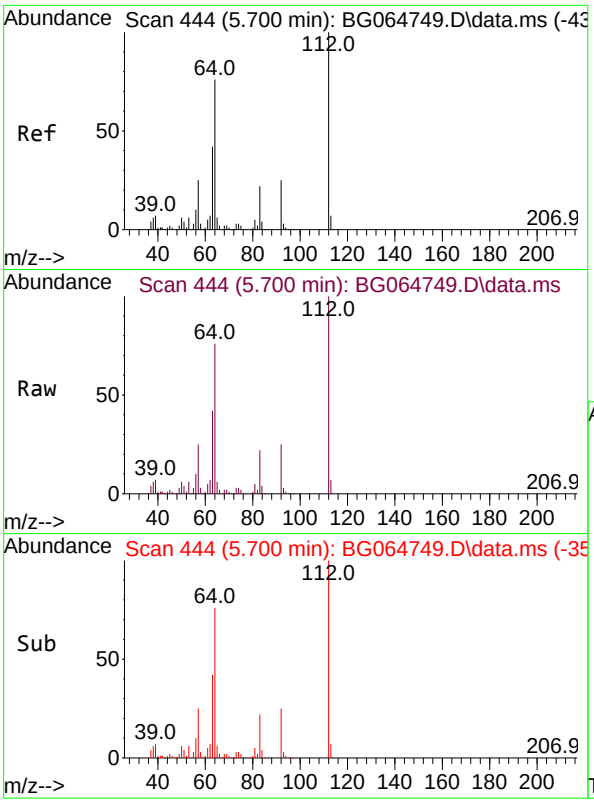


#4
n-Nitrosodimethylamine
Concen: 40.853 ng
RT: 3.849 min Scan# 129
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 42 Resp: 41058

Ion	Ratio	Lower	Upper
42	100		
74	99.7	79.8	119.6
44	7.4	5.9	8.9





#5
2-Fluorophenol
Concen: 81.702 ng
RT: 5.700 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

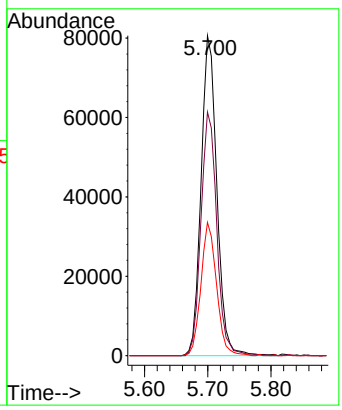
Tgt Ion:112 Resp: 13986

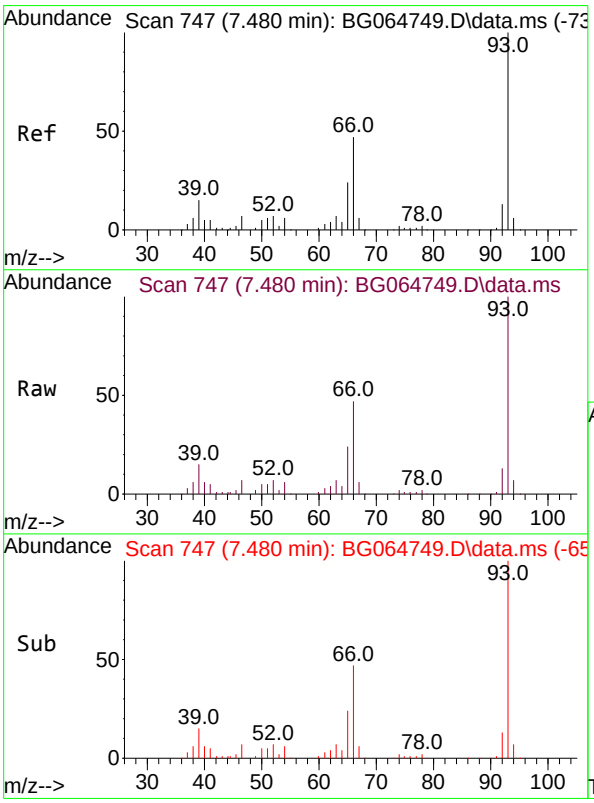
Ion	Ratio	Lower	Upper
112	100		
64	76.2	61.0	91.4
63	41.6	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

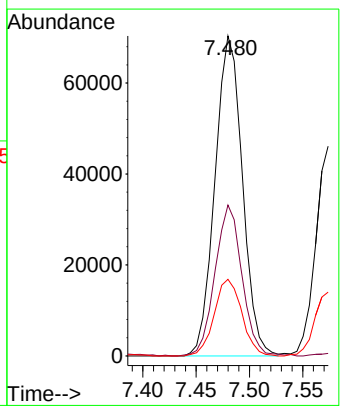


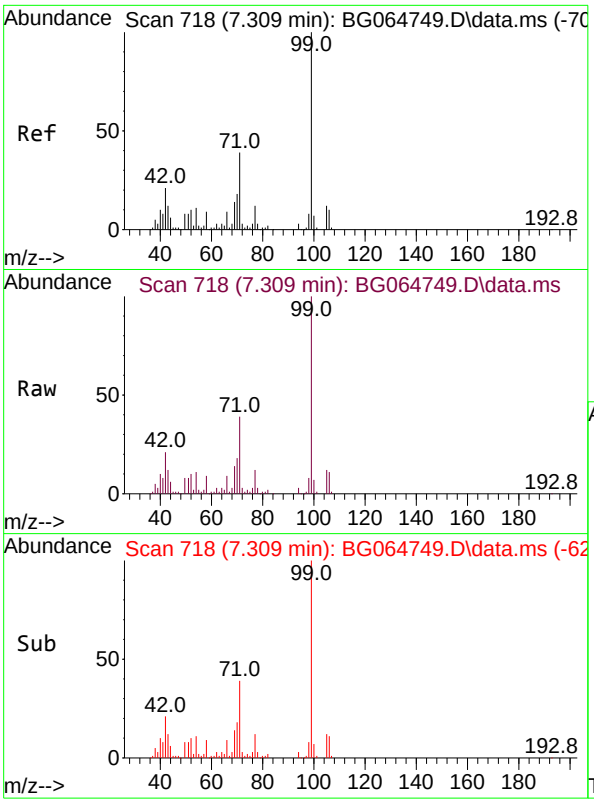


#6
Aniline
Concen: 41.546 ng
RT: 7.480 min Scan# 747
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 126088

Ion	Ratio	Lower	Upper
93	100		
66	47.1	37.7	56.5
65	23.9	19.1	28.7

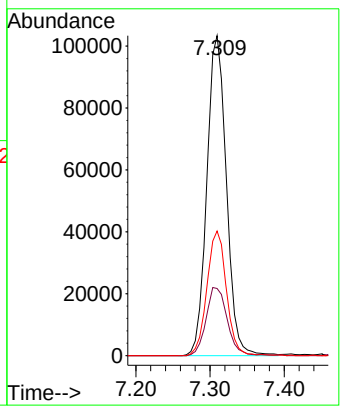




#7
Phenol-d6
Concen: 82.974 ng
RT: 7.309 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 99 Resp: 188921

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.8	25.2
71	38.9	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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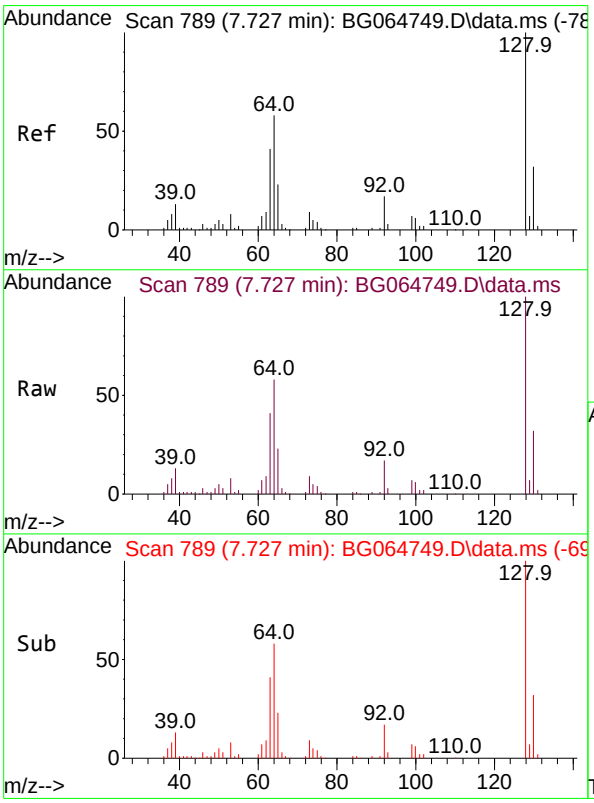
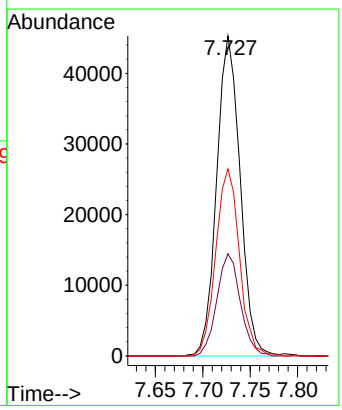
Supervised By :Sohil Jodhani 11/14/2025

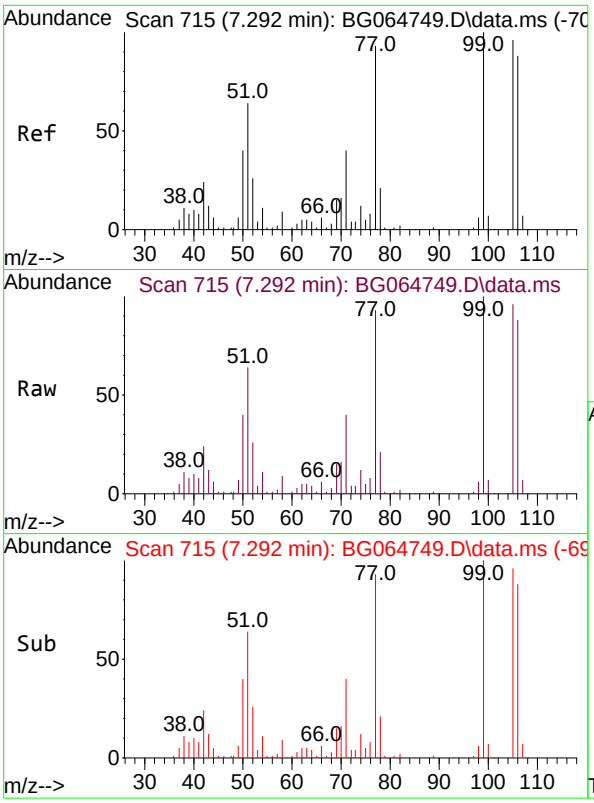


#8
2-Chlorophenol
Concen: 41.449 ng
RT: 7.727 min Scan# 789
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:128 Resp: 77911

Ion	Ratio	Lower	Upper
128	100		
130	31.9	11.9	51.9
64	58.4	38.4	78.4

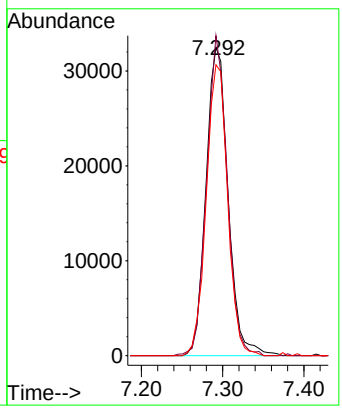




#9
Benzaldehyde
Concen: 41.265 ng
RT: 7.292 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 6150

Ion	Ratio	Lower	Upper
77	100		
105	103.8	83.8	123.8
106	94.3	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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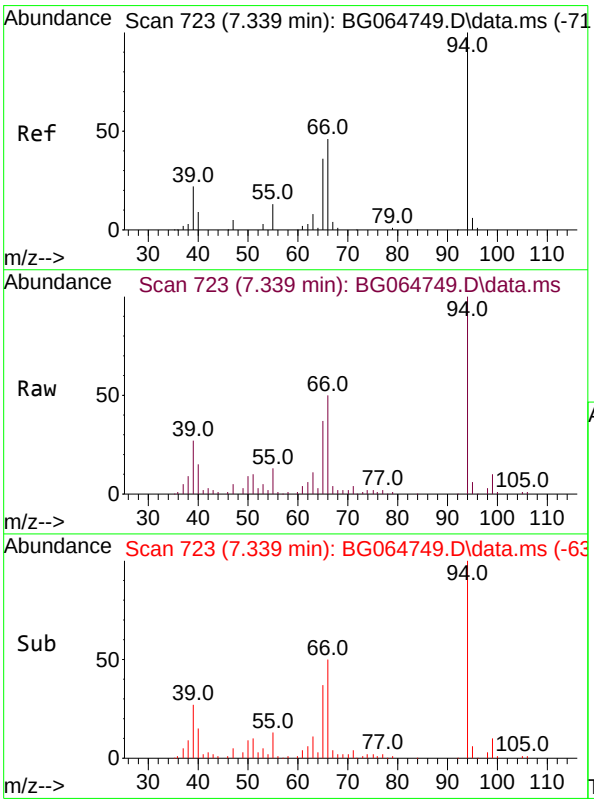
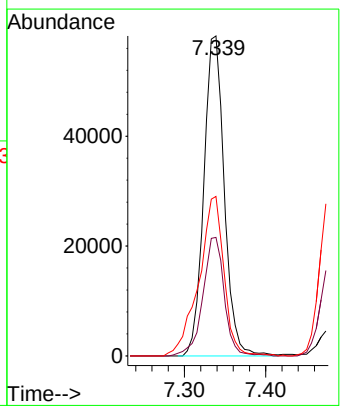
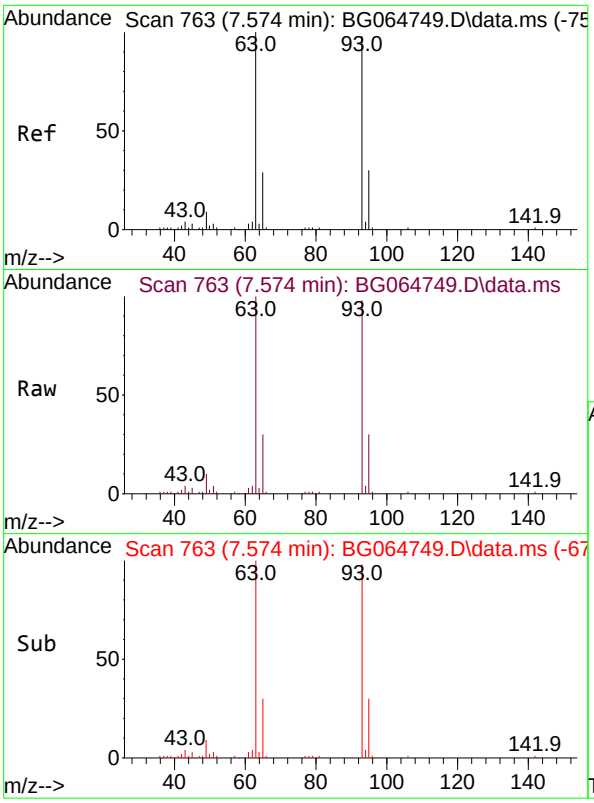


#10
Phenol
Concen: 41.282 ng
RT: 7.339 min Scan# 723
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 94 Resp: 102268

Ion	Ratio	Lower	Upper
94	100		
65	37.0	17.0	57.0
66	49.8	29.8	69.8

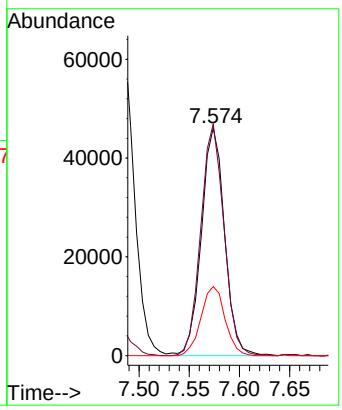




#11
bis(2-Chloroethyl)ether
Concen: 41.850 ng
RT: 7.574 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 7377

Ion	Ratio	Lower	Upper
93	100		
63	101.8	81.8	121.8
95	30.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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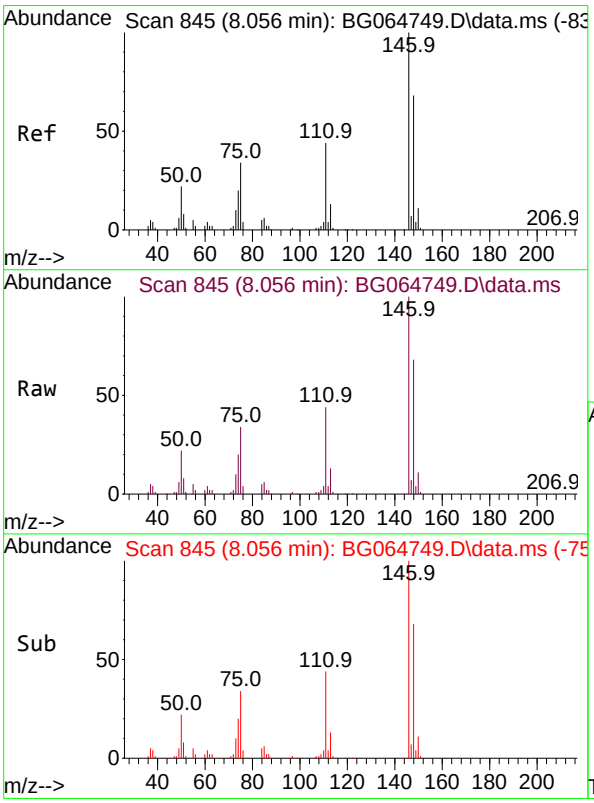
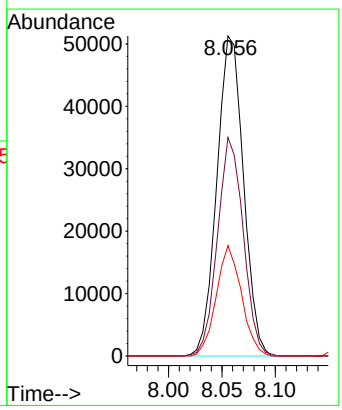
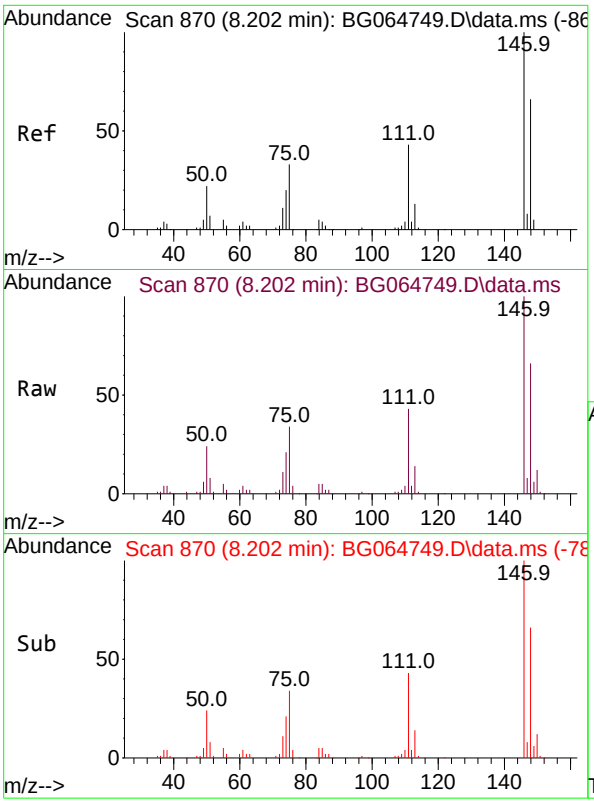


#12
1,3-Dichlorobenzene
Concen: 41.233 ng
RT: 8.056 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 89183

Ion	Ratio	Lower	Upper
146	100		
148	68.3	54.6	82.0
75	34.5	27.6	41.4

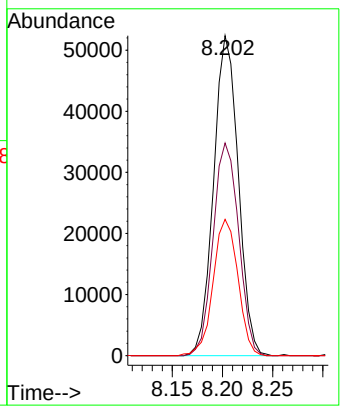




#13
1,4-Dichlorobenzene
Concen: 40.738 ng
RT: 8.202 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 8972

Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	42.6	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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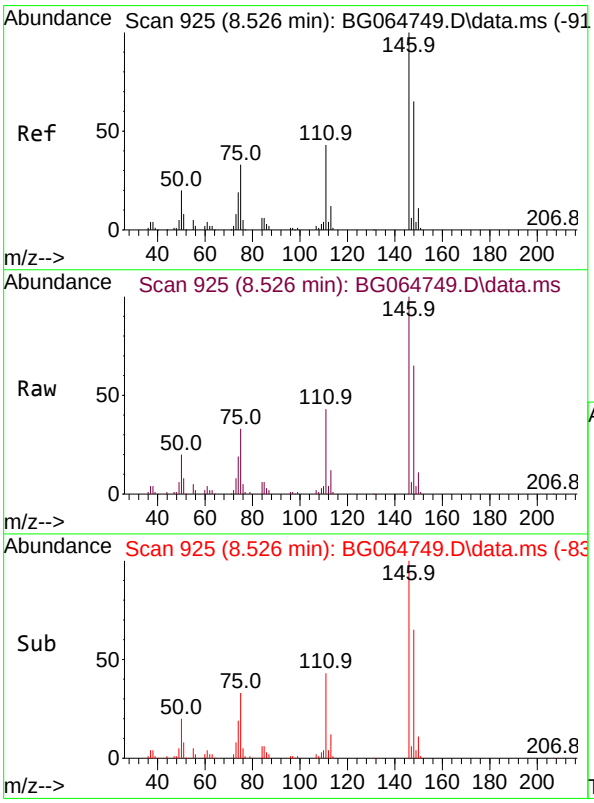
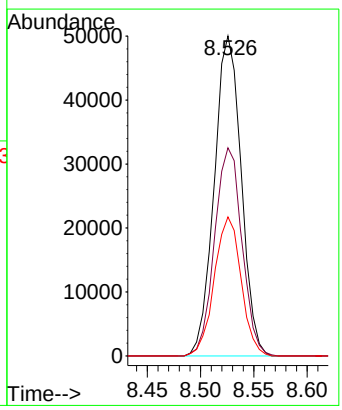
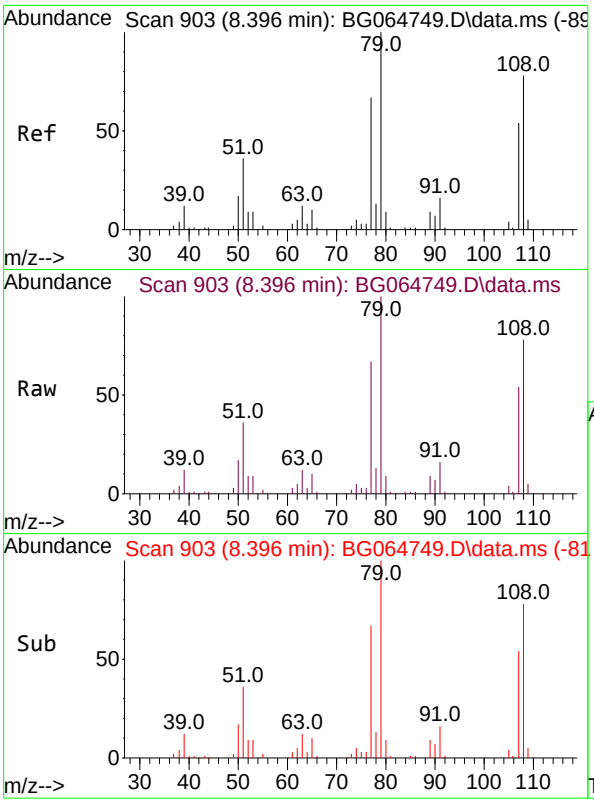


#14
1,2-Dichlorobenzene
Concen: 41.308 ng
RT: 8.526 min Scan# 925
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:146 Resp: 88214

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.0	78.0
111	43.4	34.7	52.1

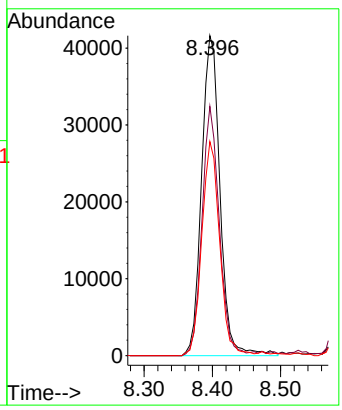




#15
Benzyl Alcohol
Concen: 41.743 ng
RT: 8.396 min Scan# 90
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 79 Resp: 7801

Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.3	93.5
77	66.9	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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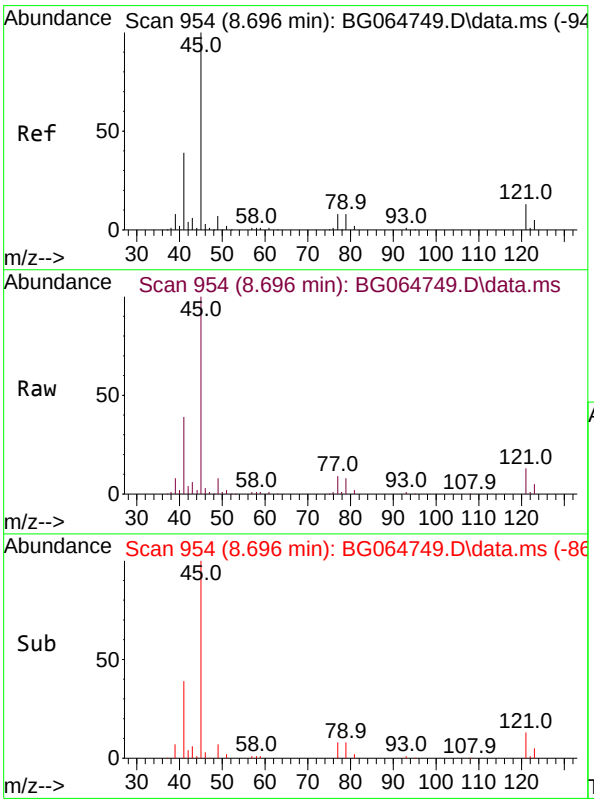
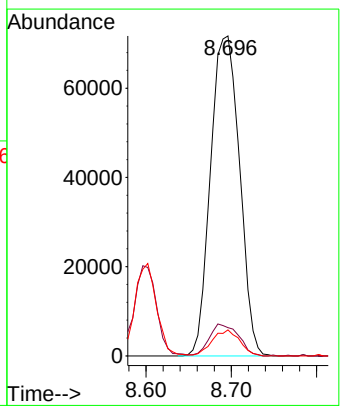
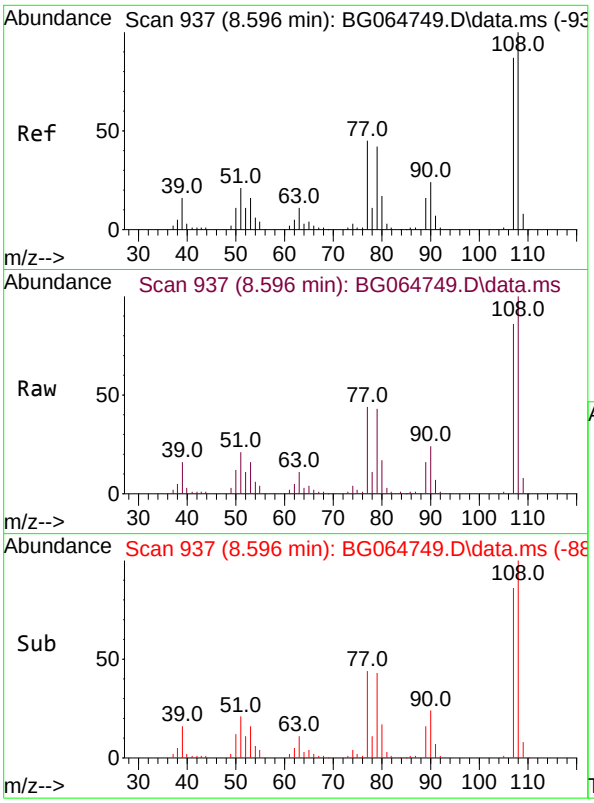


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.601 ng
RT: 8.696 min Scan# 954
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 45 Resp: 169410

Ion	Ratio	Lower	Upper
45	100		
77	8.8	0.0	28.8
79	8.1	0.0	28.1

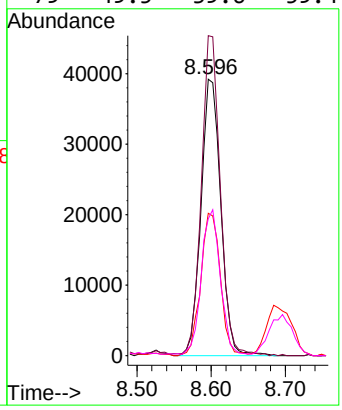




#17
2-Methylphenol
Concen: 41.535 ng
RT: 8.596 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 7280

Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.6	138.8
77	51.5	41.2	61.8
79	49.5	39.6	59.4



Instrument :
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ClientSampleId :
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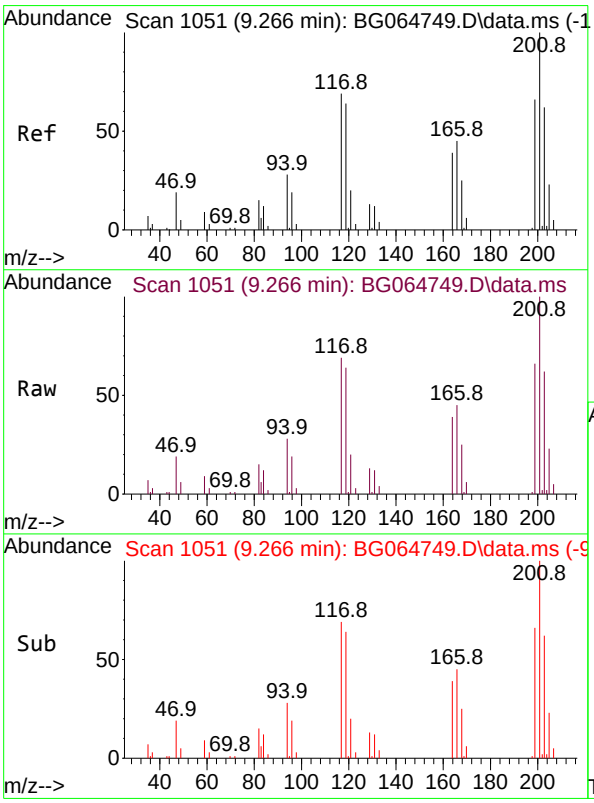
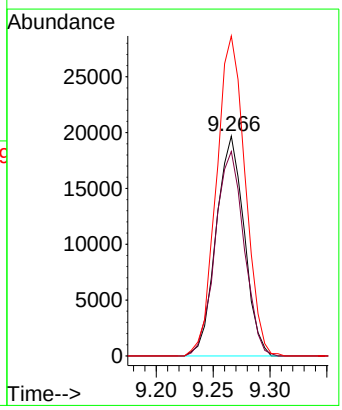
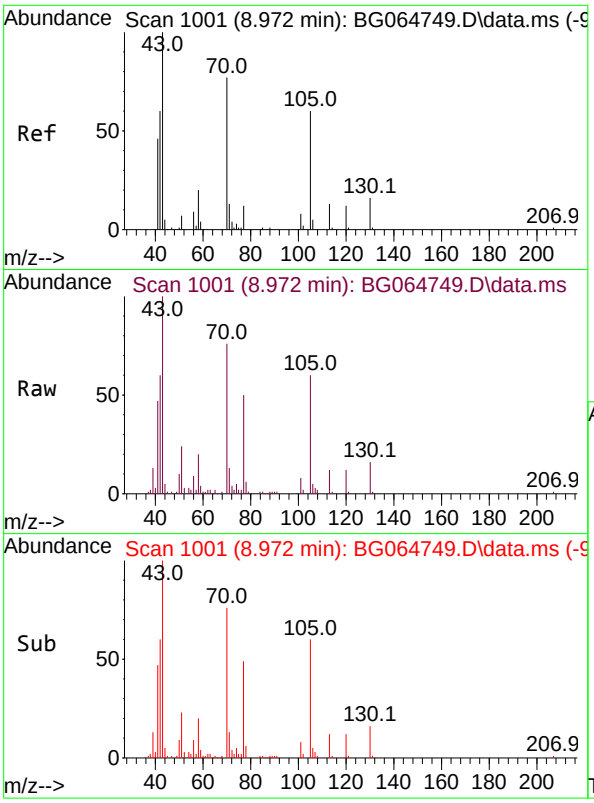


#18
Hexachloroethane
Concen: 40.368 ng
RT: 9.266 min Scan# 1051
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:117 Resp: 33674

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	111.6
201	145.6	116.5	174.7

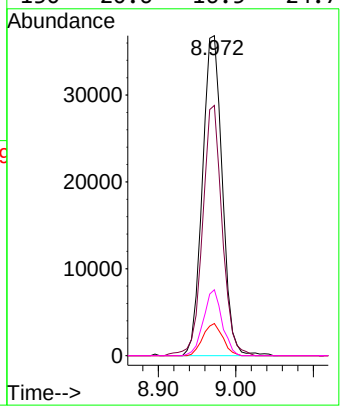




#19
n-Nitroso-di-n-propylamine
Concen: 42.586 ng
RT: 8.972 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 70 Resp: 6556

Ion	Ratio	Lower	Upper
70	100		
42	78.2	62.6	93.8
101	10.0	8.0	12.0
130	20.6	16.5	24.7



Instrument :
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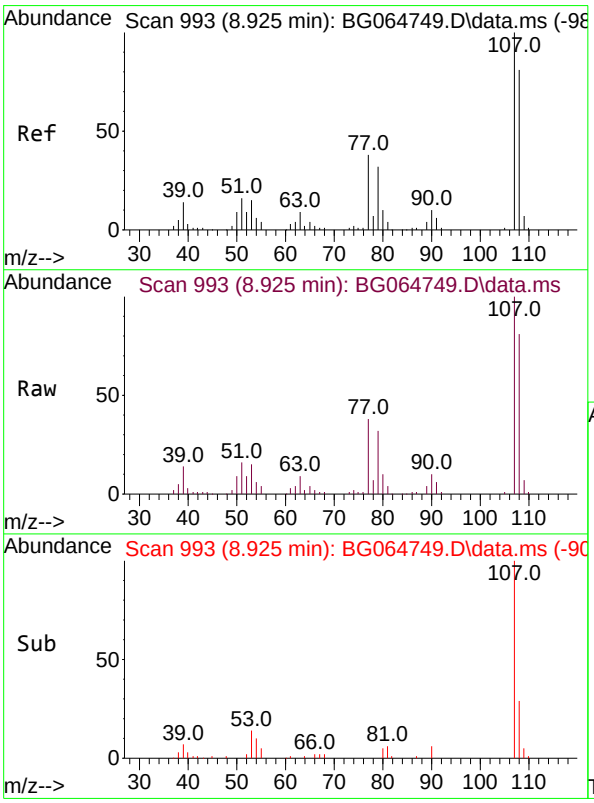
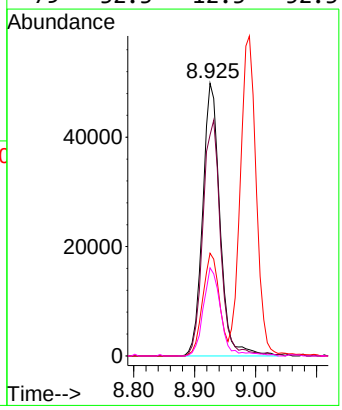
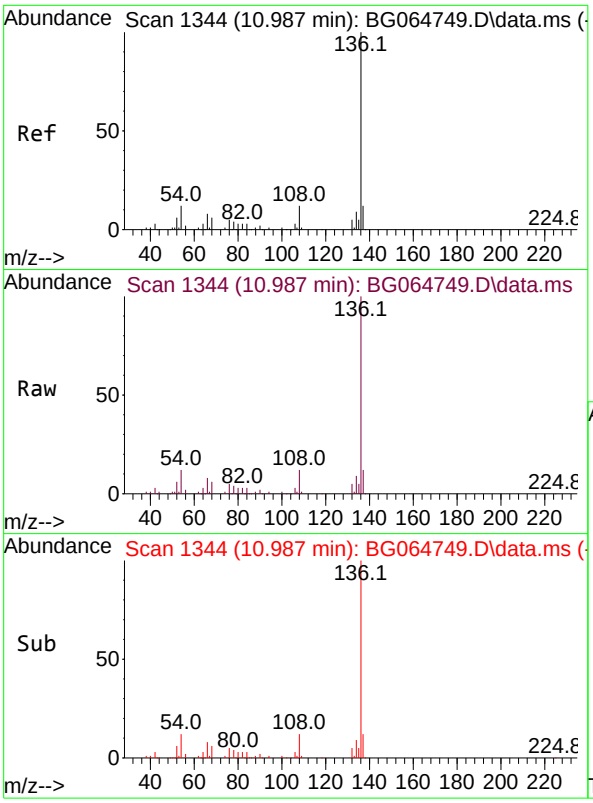


#20
3+4-Methylphenols
Concen: 41.047 ng
RT: 8.925 min Scan# 993
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 98567

Ion	Ratio	Lower	Upper
107	100		
108	81.0	61.0	101.0
77	37.6	17.6	57.6
79	32.3	12.3	52.3

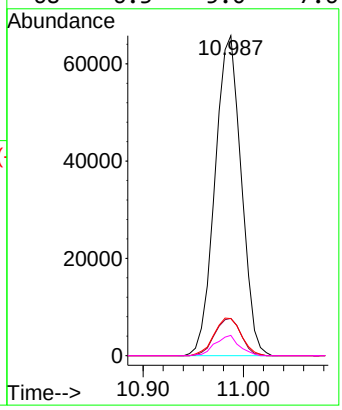




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:136 Resp: 11970

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	11.6	9.3	13.9
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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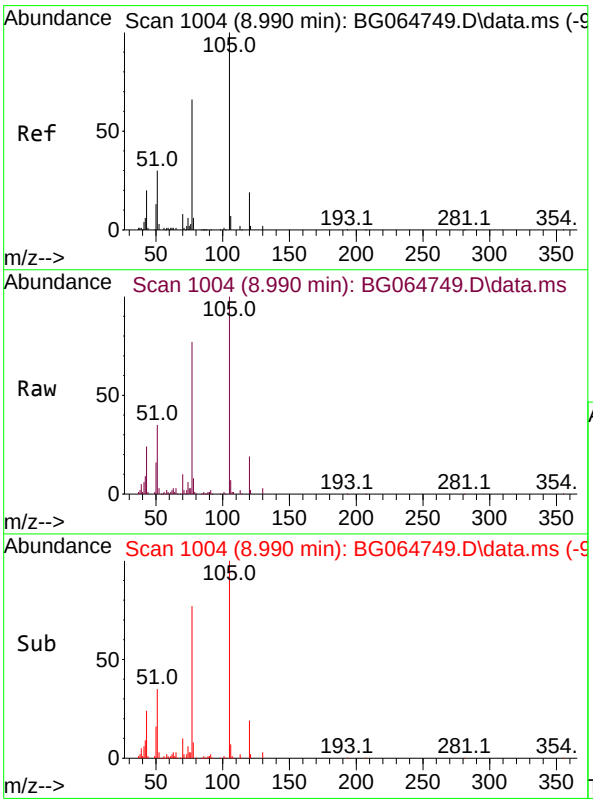
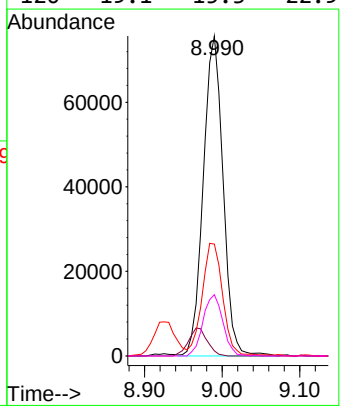
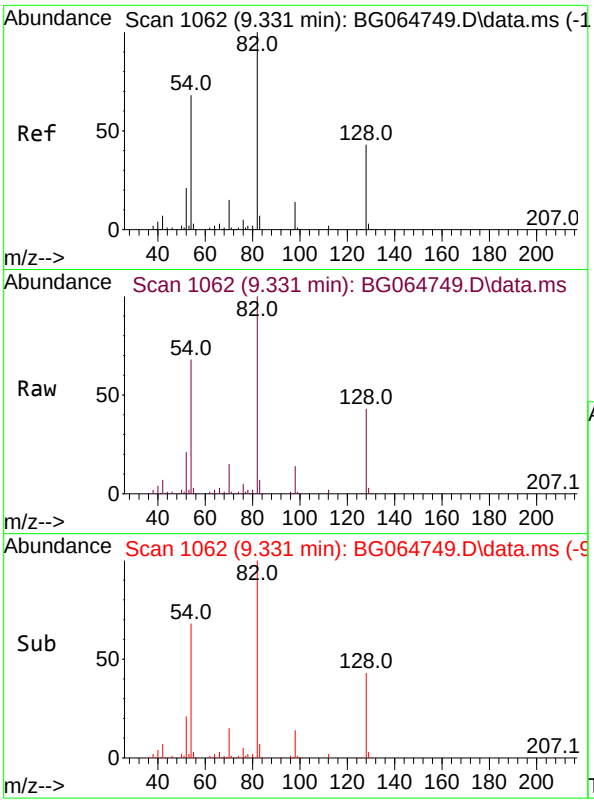


#22
Acetophenone
Concen: 41.157 ng
RT: 8.990 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:105 Resp: 134228

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.3	1.9
51	34.9	27.9	41.9
120	19.1	15.3	22.9

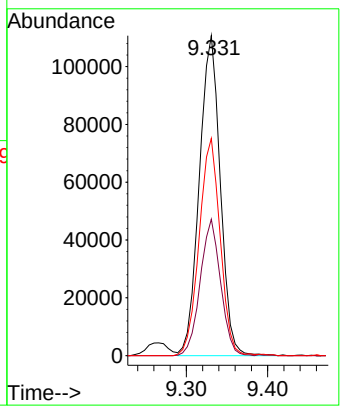




#23
Nitrobenzene-d5
Concen: 81.909 ng
RT: 9.331 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 82 Resp: 19831

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	67.9	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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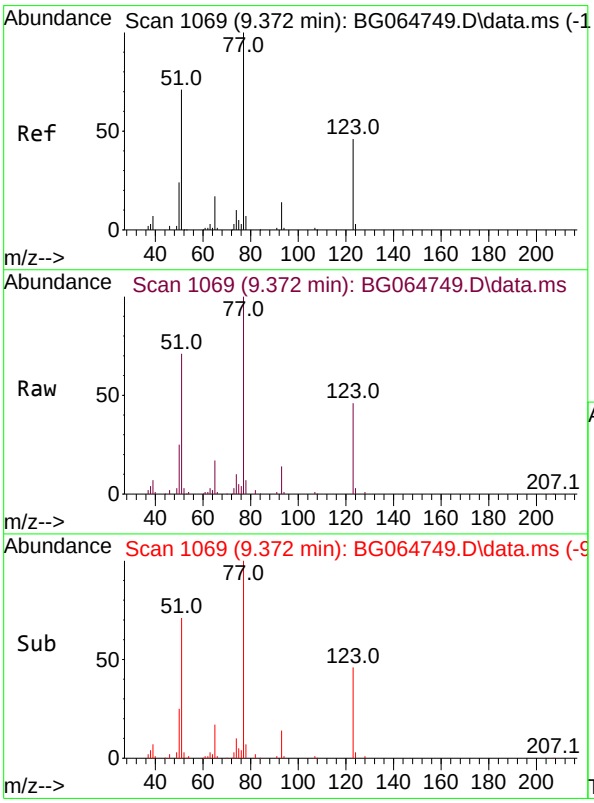
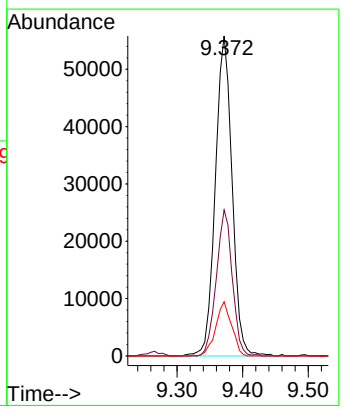
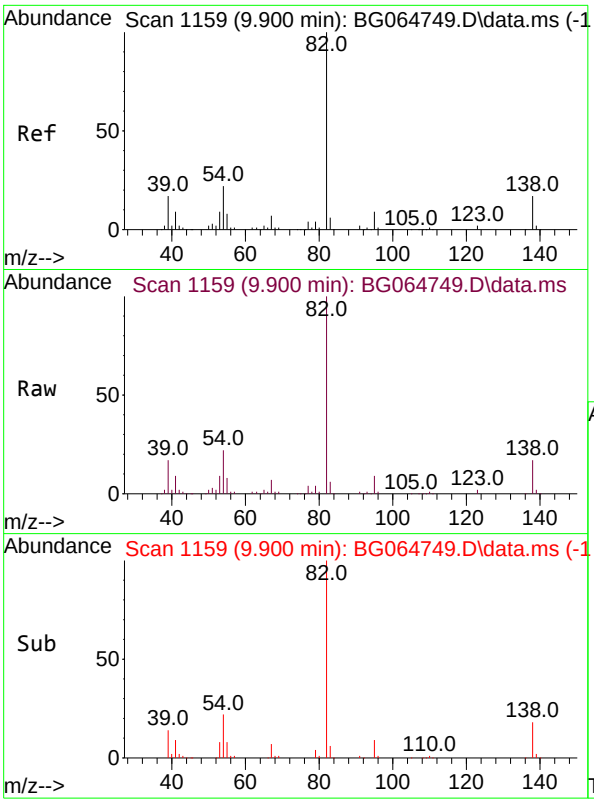


#24
Nitrobenzene
Concen: 40.566 ng
RT: 9.372 min Scan# 1069
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 99239

Ion	Ratio	Lower	Upper
77	100		
123	45.6	36.5	54.7
65	16.9	13.5	20.3

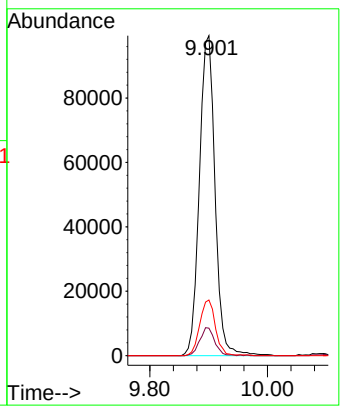




#25
Isophorone
Concen: 39.810 ng
RT: 9.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 82 Resp: 183548

Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	17.4	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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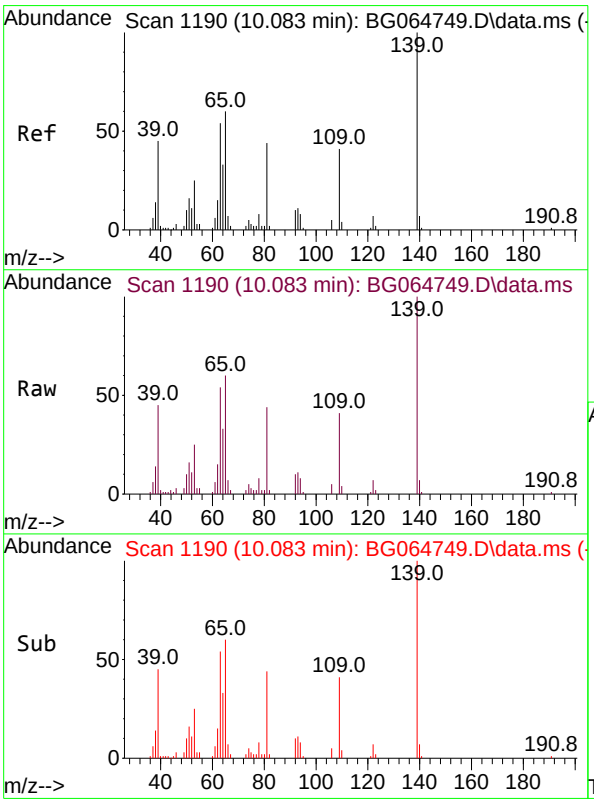
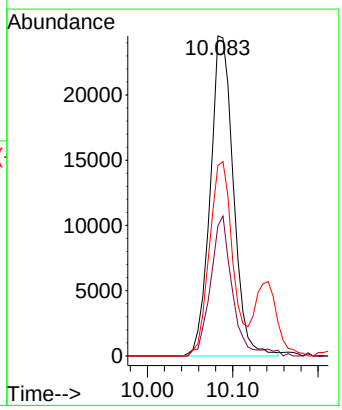
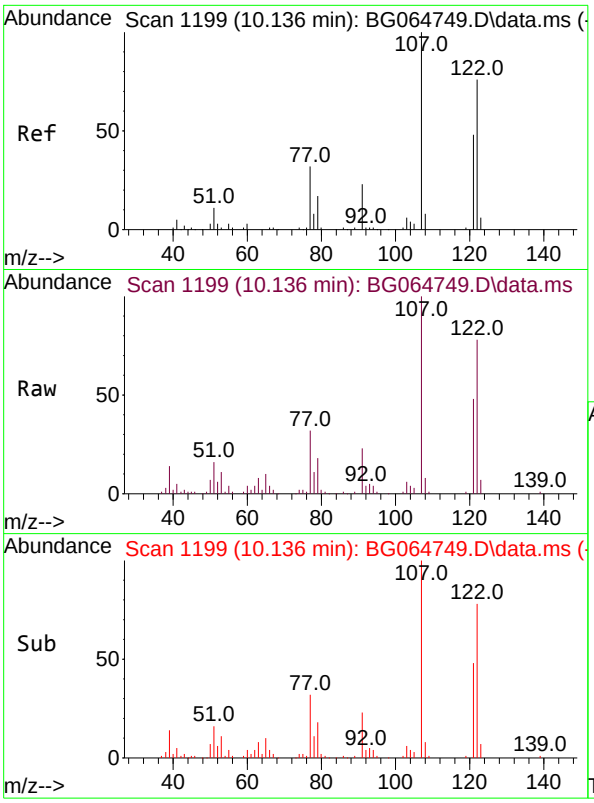


#26
2-Nitrophenol
Concen: 42.042 ng
RT: 10.083 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:139 Resp: 46262

Ion	Ratio	Lower	Upper
139	100		
109	40.6	32.5	48.7
65	59.5	47.6	71.4

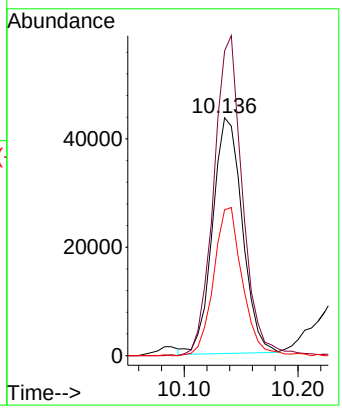




#27
2,4-Dimethylphenol
Concen: 40.554 ng
RT: 10.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:122 Resp: 7927

Ion	Ratio	Lower	Upper
122	100		
107	128.1	102.5	153.7
121	61.3	49.0	73.6



Instrument :
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ClientSampleId :
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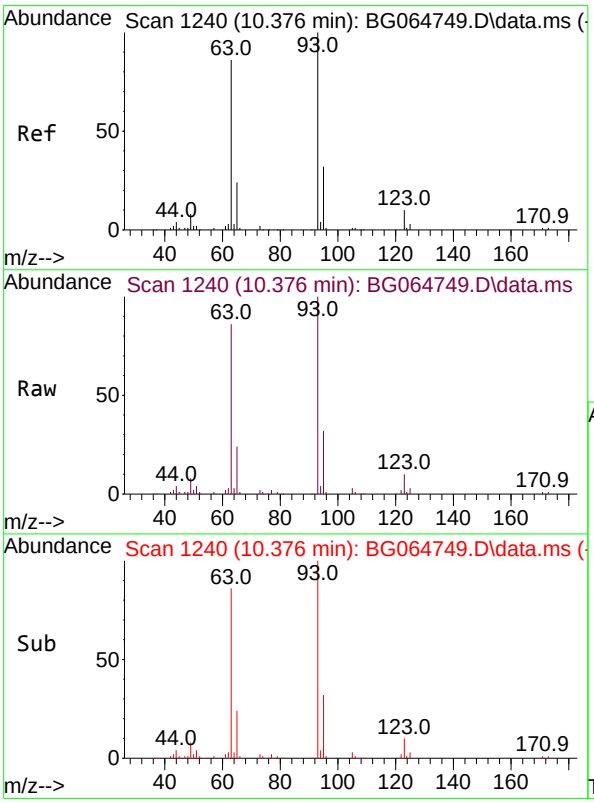
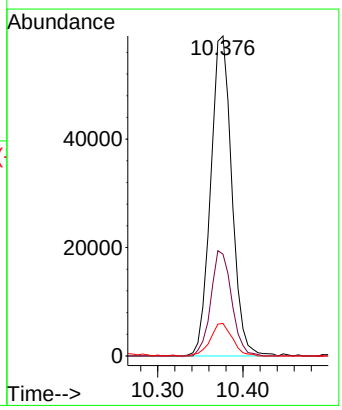
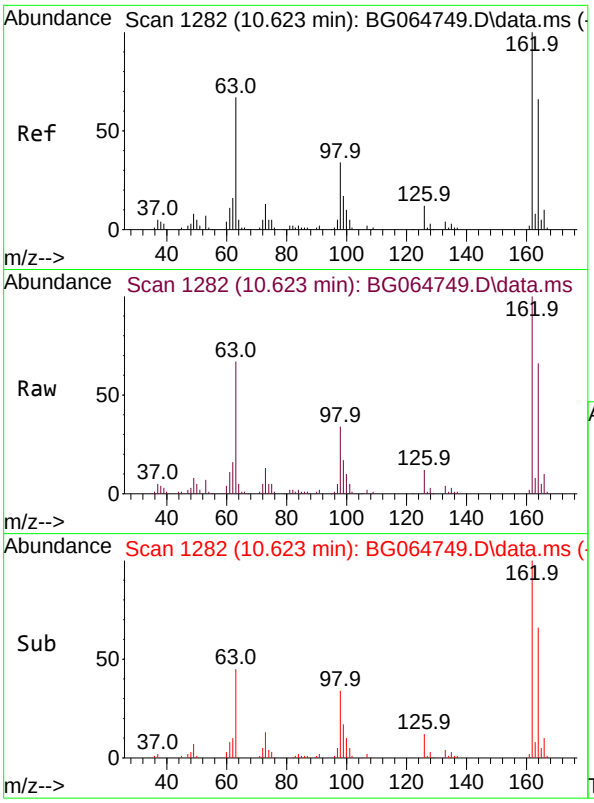


#28
bis(2-Chloroethoxy)methane
Concen: 40.152 ng
RT: 10.376 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 93 Resp: 101634

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.1	8.1	12.1

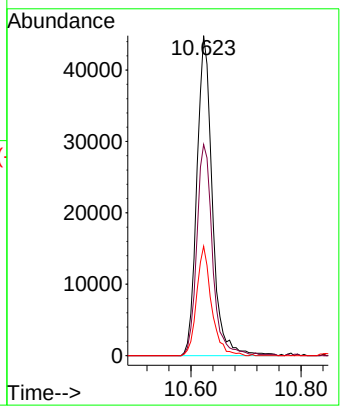




#29
2,4-Dichlorophenol
Concen: 41.549 ng
RT: 10.623 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:162 Resp: 8720

Ion	Ratio	Lower	Upper
162	100		
164	66.0	46.0	86.0
98	34.2	14.2	54.2



Instrument :
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ClientSampleId :
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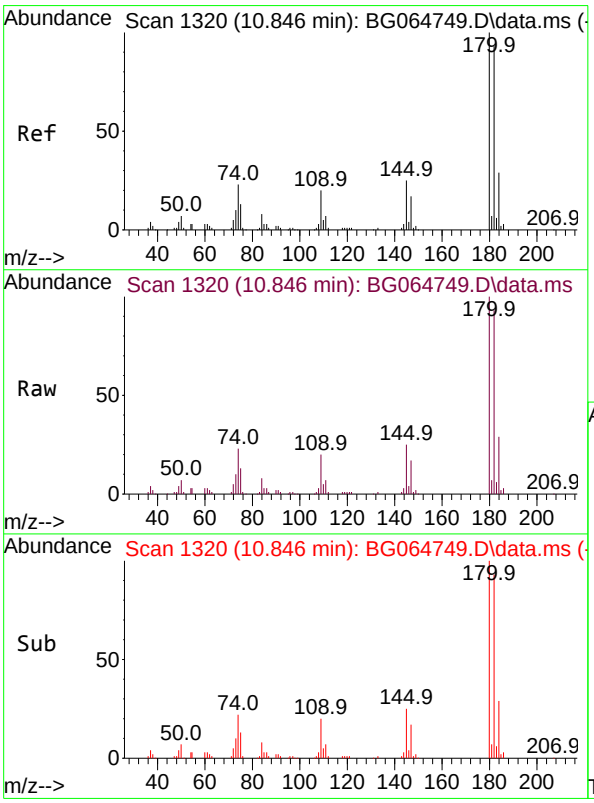
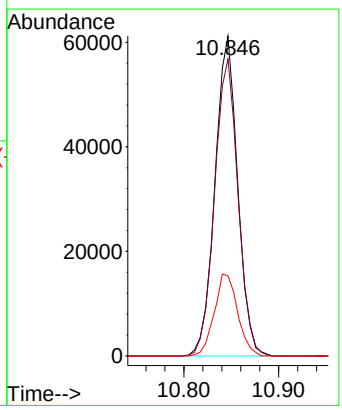
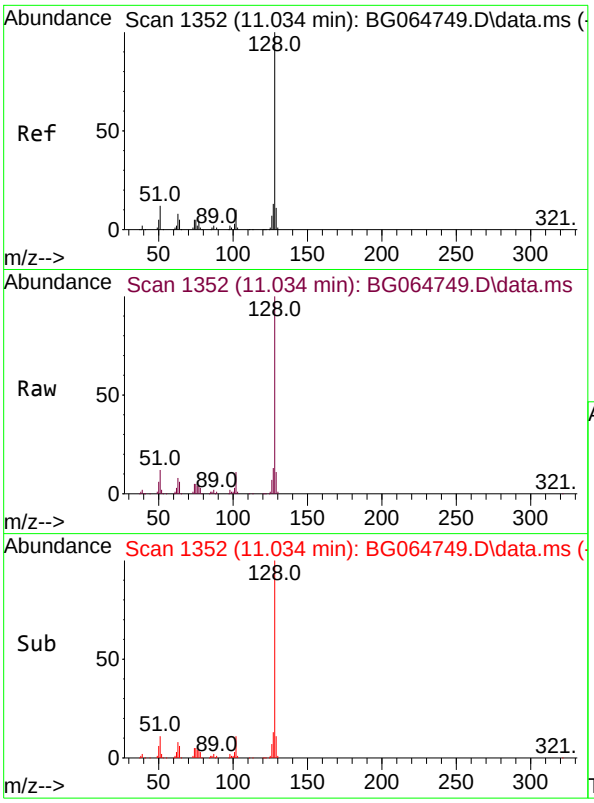


#30
1,2,4-Trichlorobenzene
Concen: 40.080 ng
RT: 10.846 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:180 Resp: 101577

Ion	Ratio	Lower	Upper
180	100		
182	92.8	74.2	111.4
145	25.0	20.0	30.0

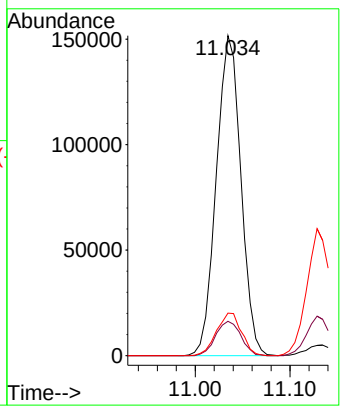




#31
Naphthalene
Concen: 40.266 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:128 Resp: 27324

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
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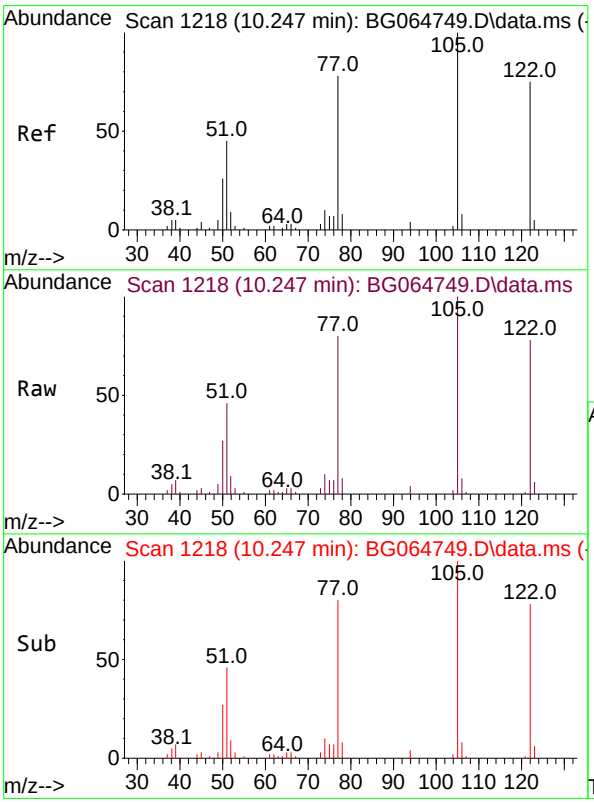
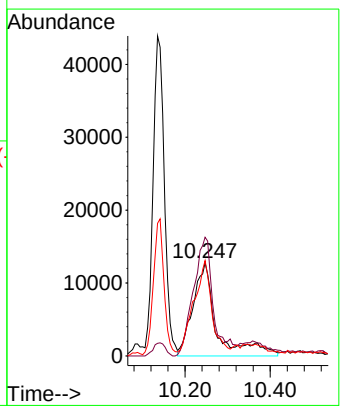
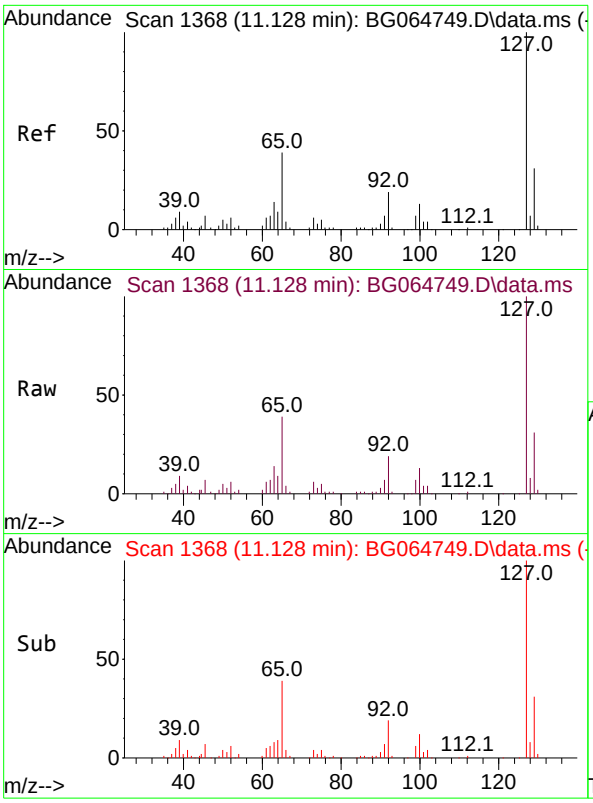


#32
Benzoic acid
Concen: 36.872 ng m
RT: 10.247 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:122 Resp: 48881

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.6	147.6
77	102.5	82.5	122.5

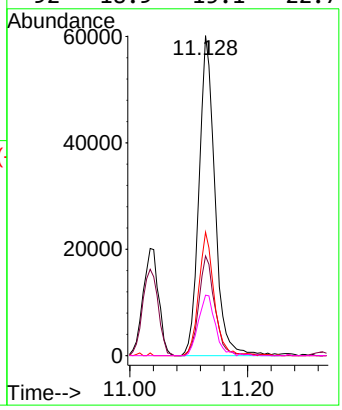




#33
4-Chloroaniline
Concen: 41.584 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:127 Resp: 11288

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	38.6	30.9	46.3
92	18.9	15.1	22.7



Instrument :
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ClientSampleId :
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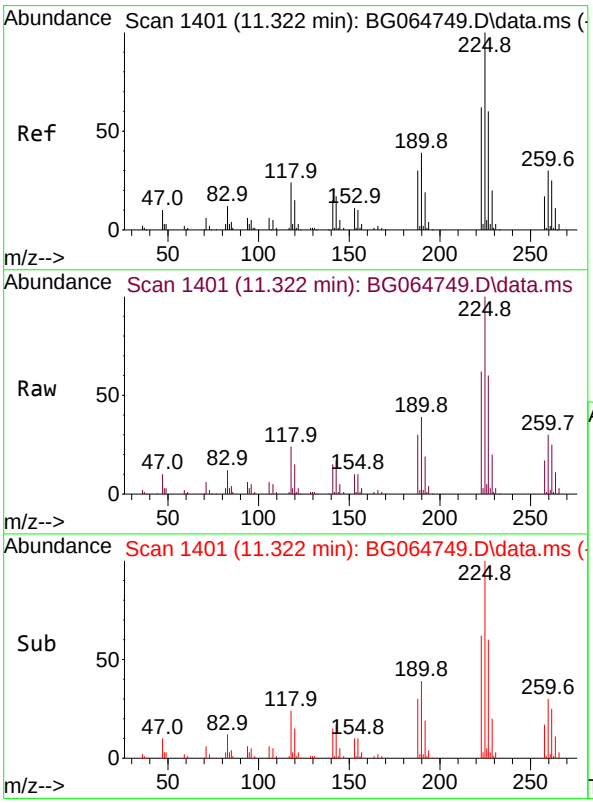
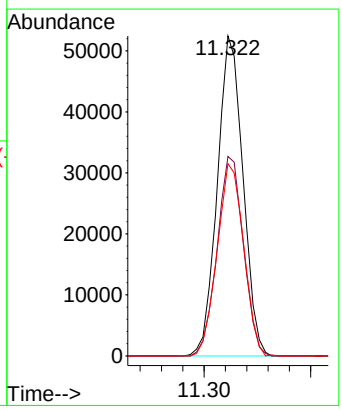
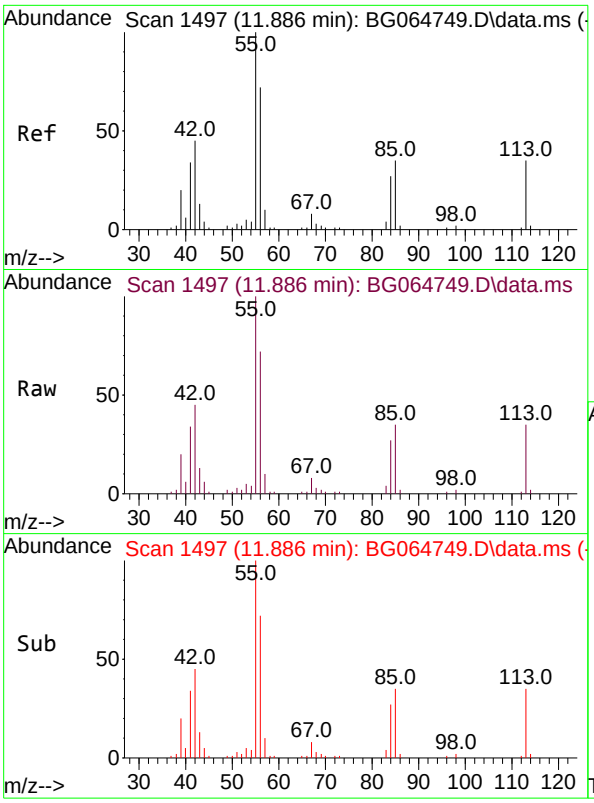


#34
Hexachlorobutadiene
Concen: 40.337 ng
RT: 11.322 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:225 Resp: 87713

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	63.2	50.6	75.8





#35
Caprolactam
Concen: 39.361 ng
RT: 11.886 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:113 Resp: 2468

Ion	Ratio	Lower	Upper
113	100		
55	283.7	263.7	303.7
56	204.0	184.0	224.0

Instrument :
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ClientSampleId :
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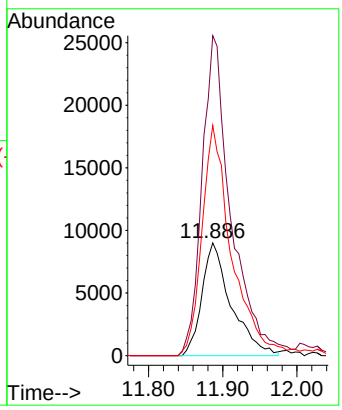
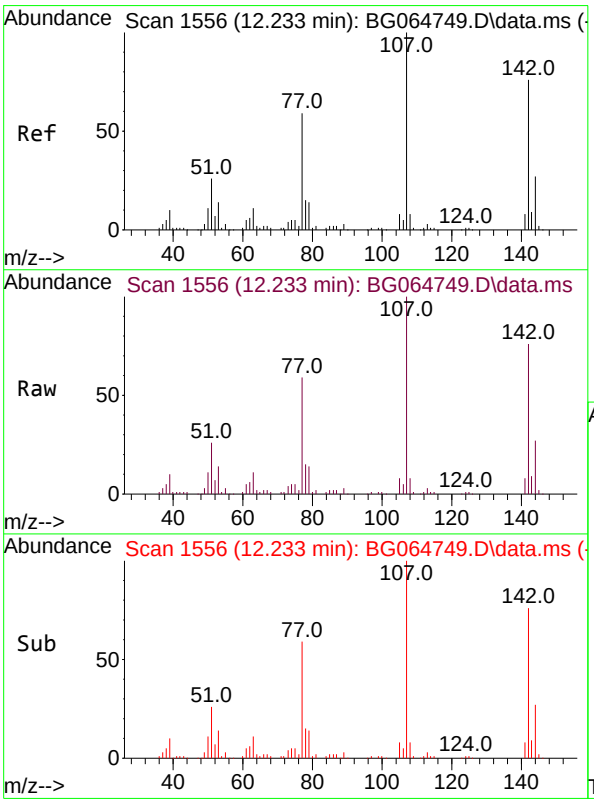
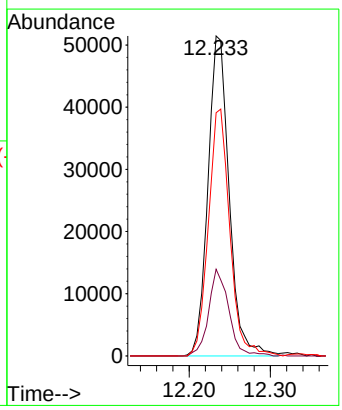


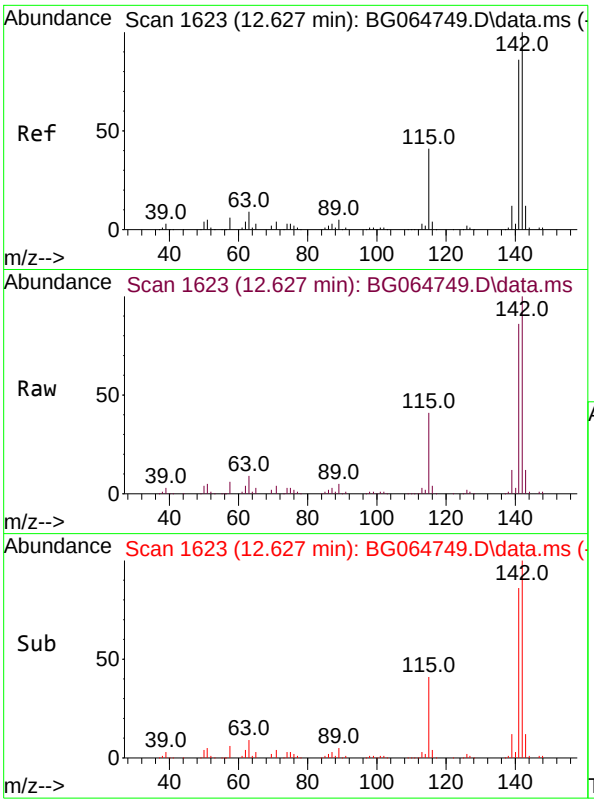


#36
4-Chloro-3-methylphenol
Concen: 39.942 ng
RT: 12.233 min Scan# 1556
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:107 Resp: 93305

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.7	32.5
142	76.0	60.8	91.2

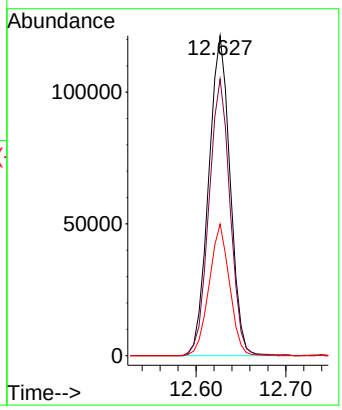




#37
2-Methylnaphthalene
Concen: 39.800 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:142 Resp: 20211

Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.1	103.7
115	41.1	32.9	49.3



Instrument :
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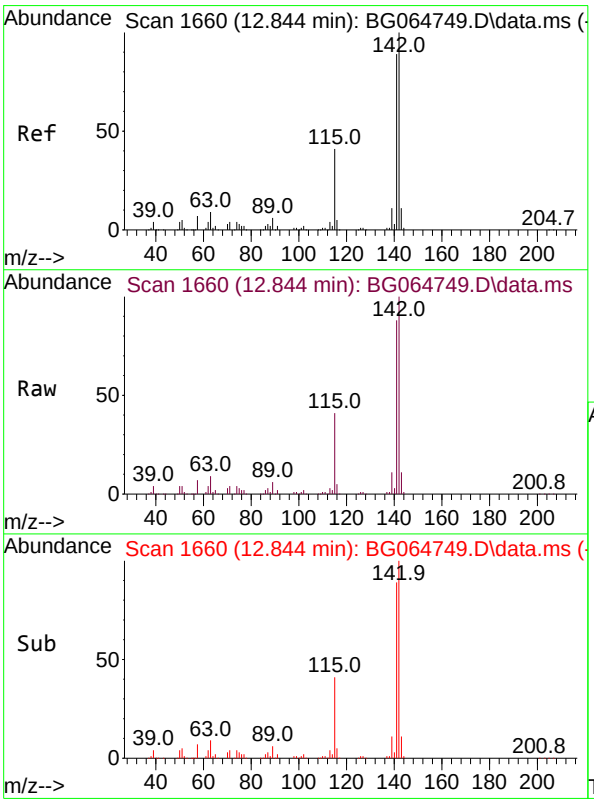
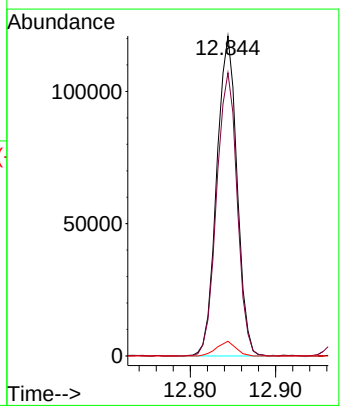
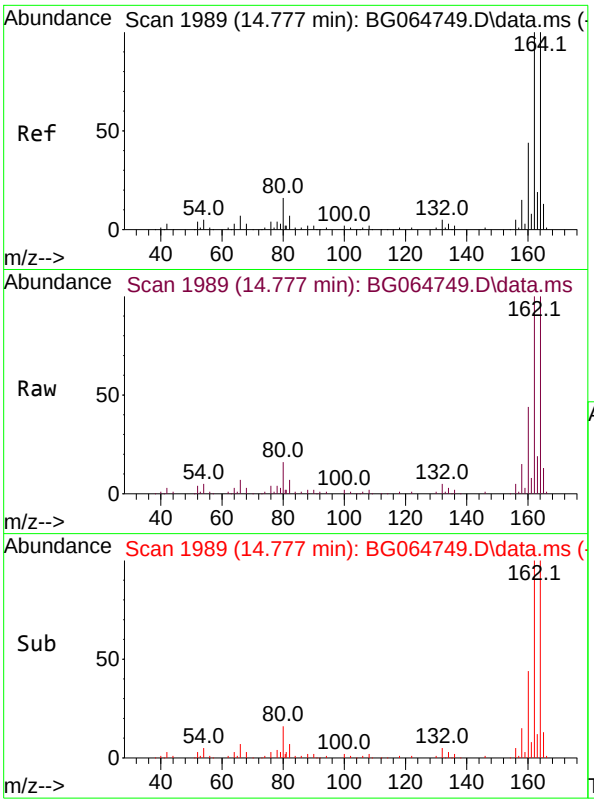


#38
1-Methylnaphthalene
Concen: 39.585 ng
RT: 12.844 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:142 Resp: 199683

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
116	4.6	3.7	5.5

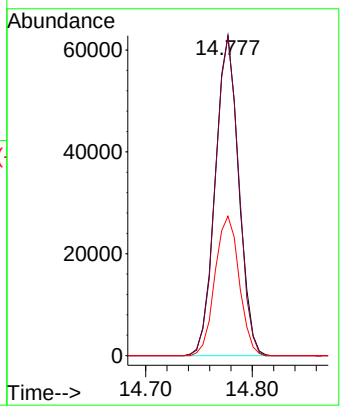




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.777 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:164 Resp: 9617

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.6
160	43.6	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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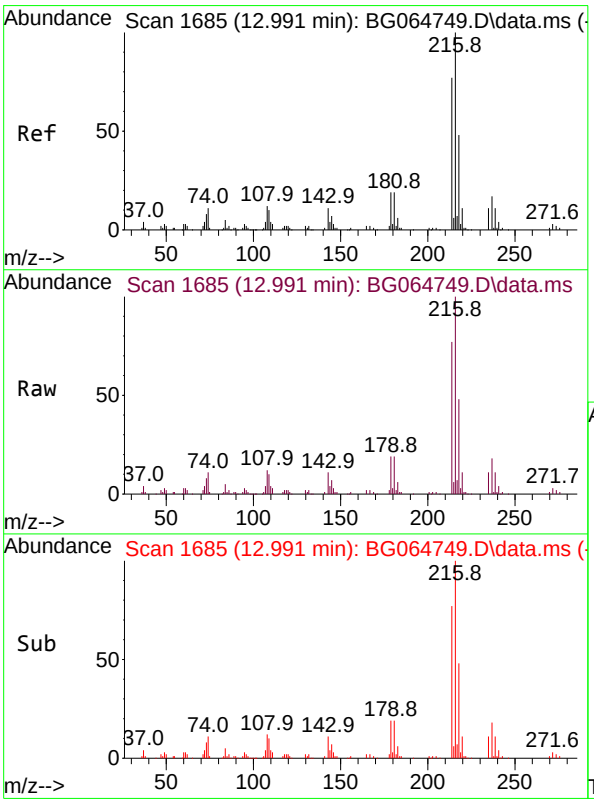
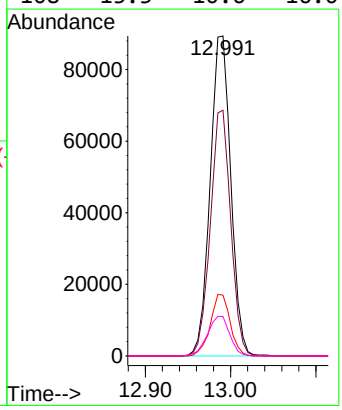
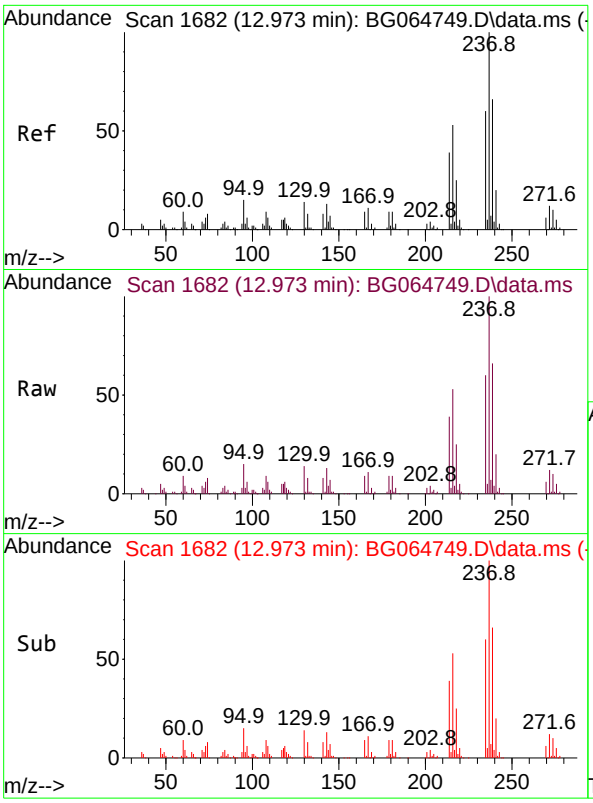


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.165 ng
RT: 12.991 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:216 Resp: 150333

Ion	Ratio	Lower	Upper
216	100		
214	75.6	60.5	90.7
179	18.4	14.7	22.1
108	13.3	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 40.179 ng
RT: 12.973 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:237 Resp: 10779

Ion	Ratio	Lower	Upper
237	100		
235	60.2	40.2	80.2
272	11.9	0.0	31.9

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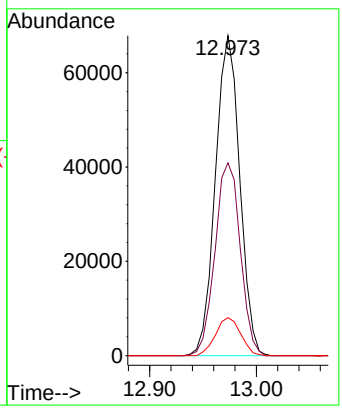
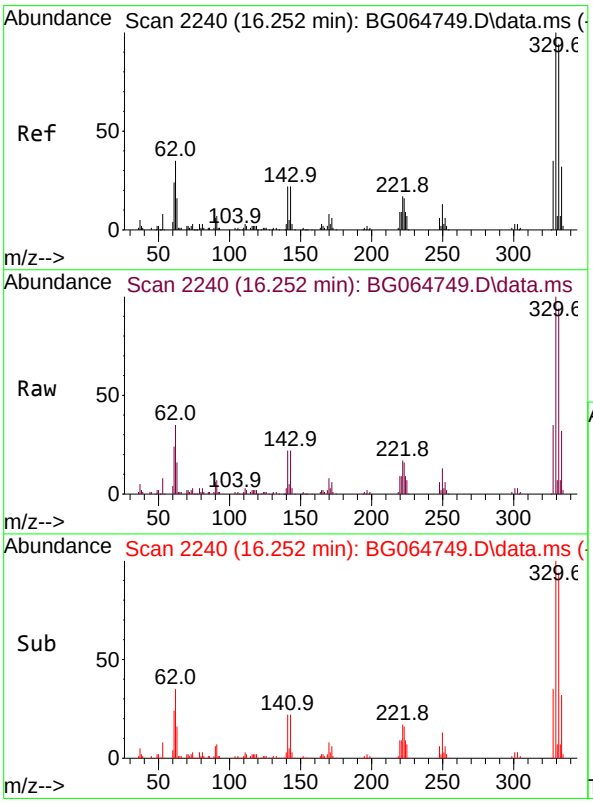
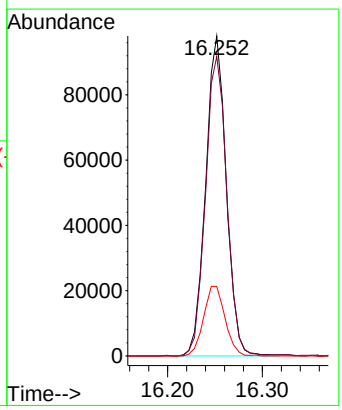


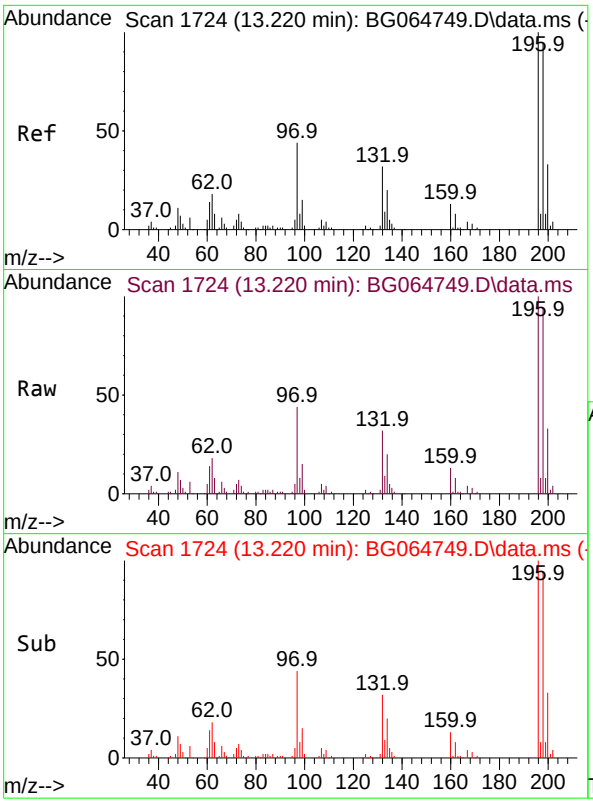


#42
2,4,6-Tribromophenol
Concen: 79.094 ng
RT: 16.252 min Scan# 2240
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:330 Resp: 148361

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	22.7	18.2	27.2

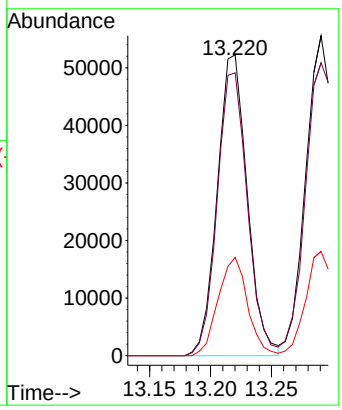




#43
2,4,6-Trichlorophenol
Concen: 40.752 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:196 Resp: 8952

Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
200	32.7	26.2	39.2



Instrument :
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ClientSampleId :
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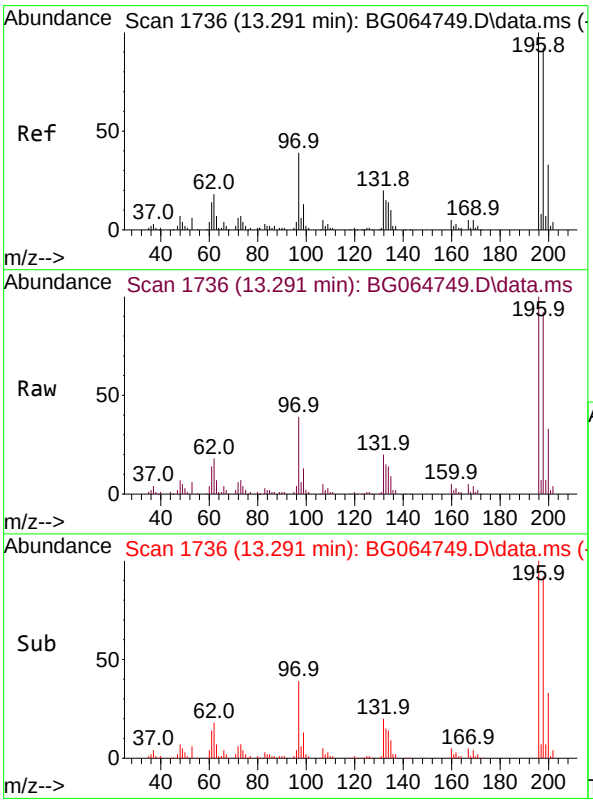
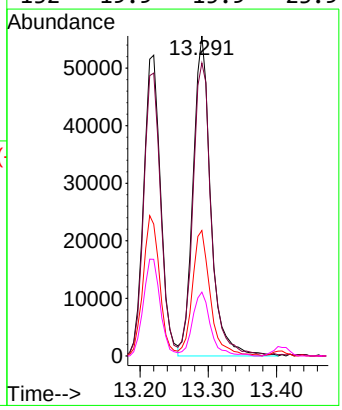
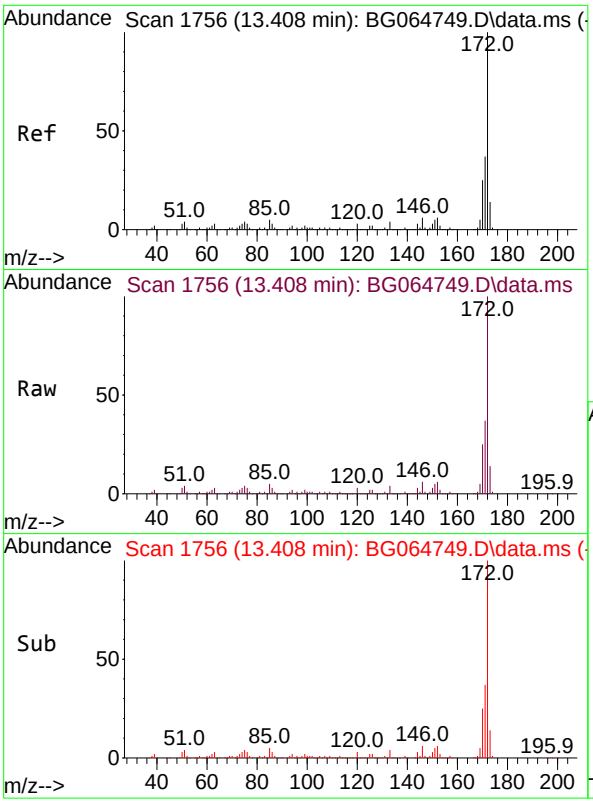


#44
2,4,5-Trichlorophenol
Concen: 40.636 ng
RT: 13.291 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:196 Resp: 100121

Ion	Ratio	Lower	Upper
196	100		
198	91.5	73.2	109.8
97	39.2	31.4	47.0
132	19.9	15.9	23.9

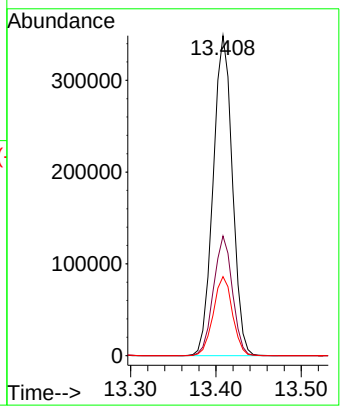




#45
2-Fluorobiphenyl
Concen: 79.252 ng
RT: 13.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:172 Resp: 54626

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
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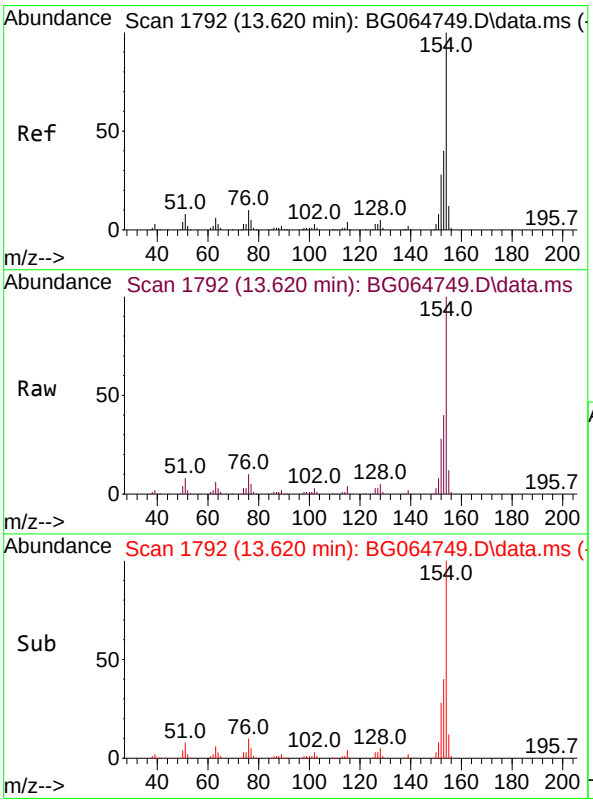
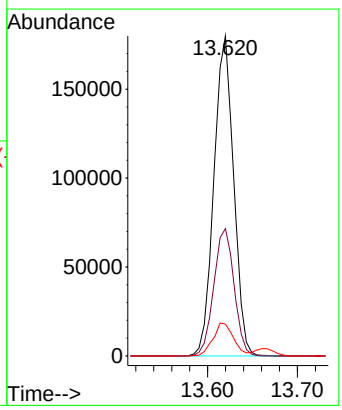
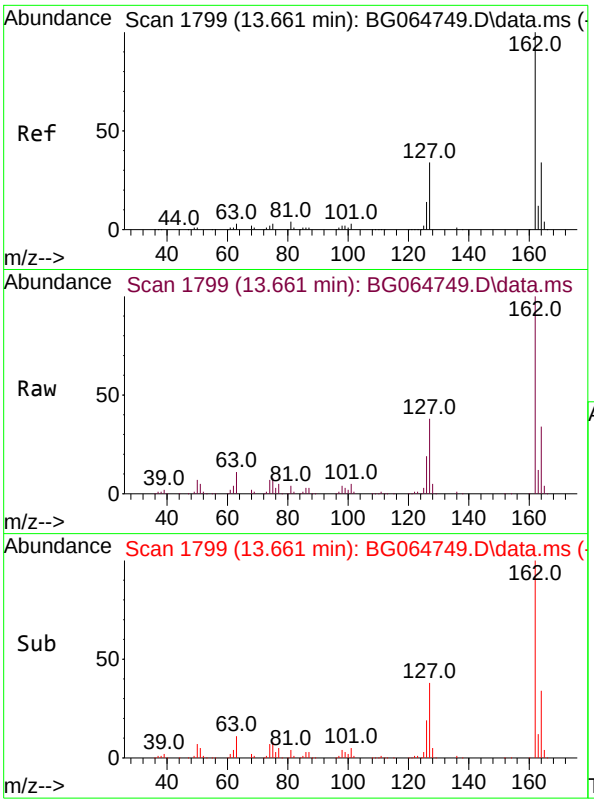


#46
1,1'-Biphenyl
Concen: 39.776 ng
RT: 13.620 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:154 Resp: 274766

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.8	59.8
76	10.0	0.0	30.0

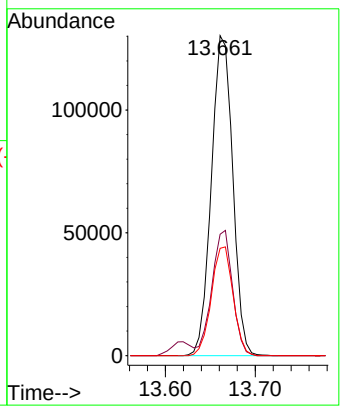




#47
2-Chloronaphthalene
Concen: 39.573 ng
RT: 13.661 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:162 Resp: 21536

Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.3	45.5
164	33.5	26.8	40.2



Instrument :
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ClientSampleId :
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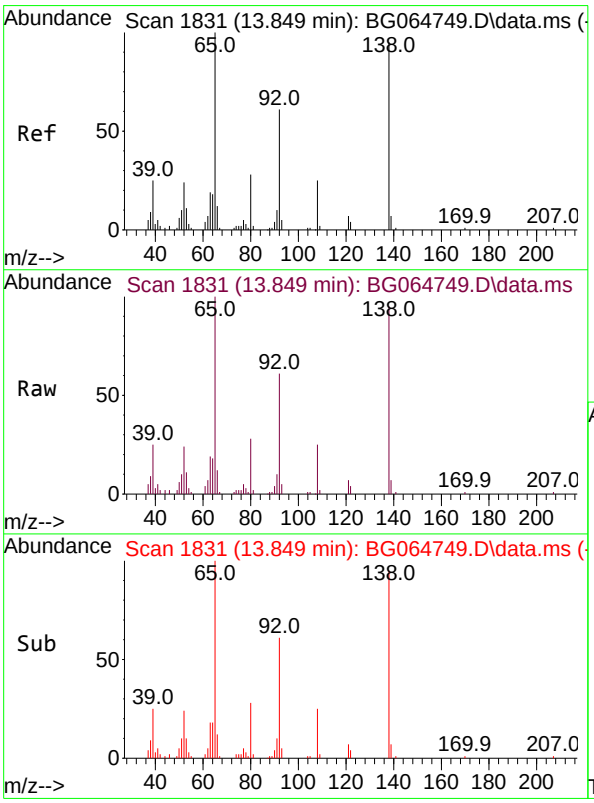
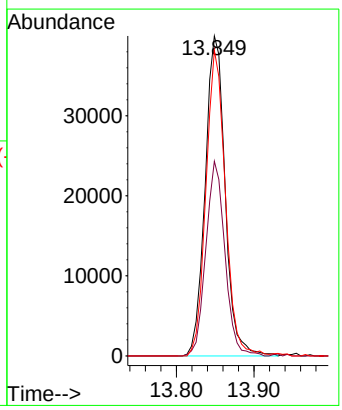
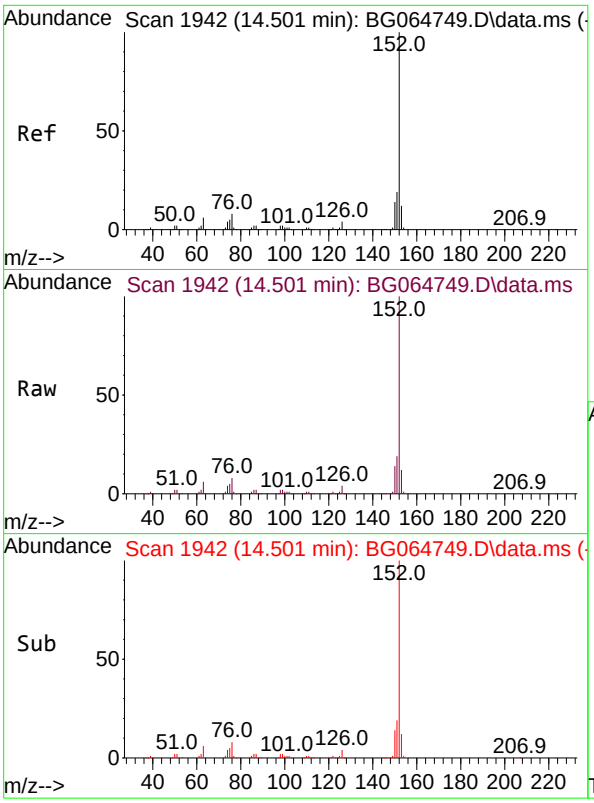


#48
2-Nitroaniline
Concen: 40.816 ng
RT: 13.849 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 65 Resp: 71445

Ion	Ratio	Lower	Upper
65	100		
92	60.8	48.6	73.0
138	95.5	76.4	114.6





#49
Acenaphthylene
Concen: 39.925 ng
RT: 14.501 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:152 Resp: 37119

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.0	22.4
153	12.4	9.9	14.9

Instrument :
BNA_G
ClientSampleId :
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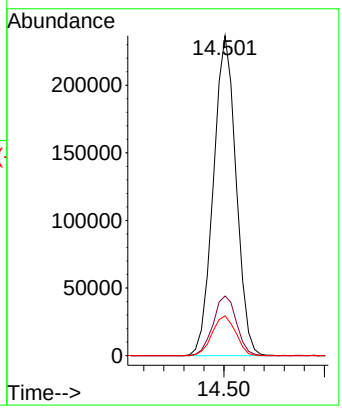
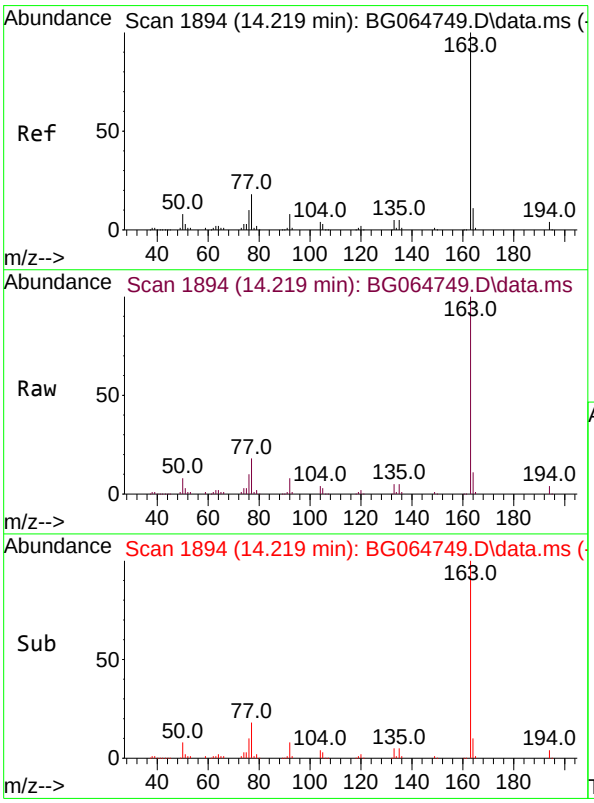
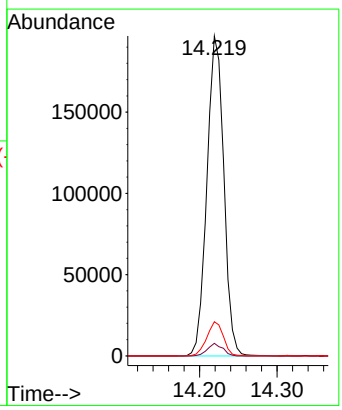


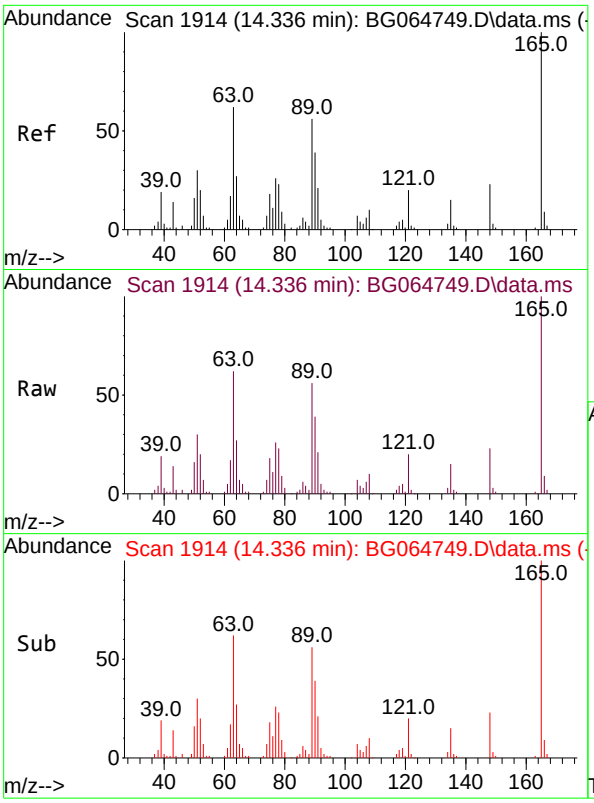


#50
Dimethylphthalate
Concen: 39.215 ng
RT: 14.219 min Scan# 1894
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:163 Resp: 297932

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.7	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 40.189 ng
RT: 14.336 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:165 Resp: 5875

Ion	Ratio	Lower	Upper
165	100		
63	62.3	49.8	74.8
89	56.2	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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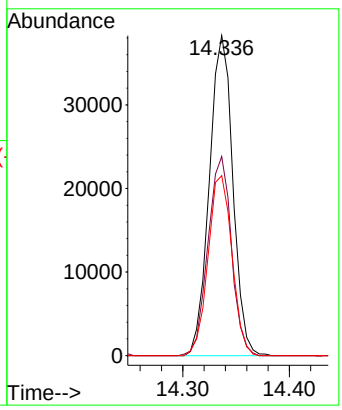
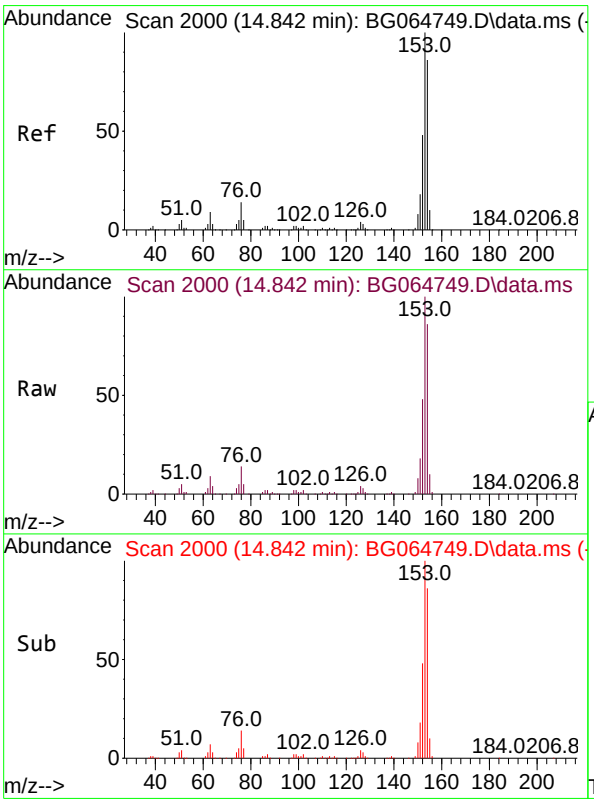
Supervised By :Sohil Jodhani 11/14/2025

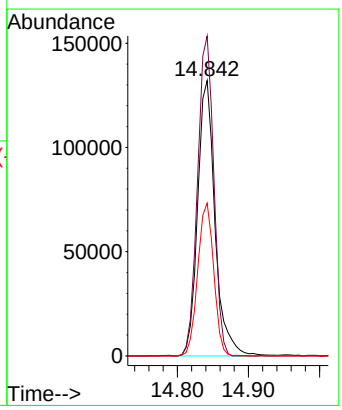


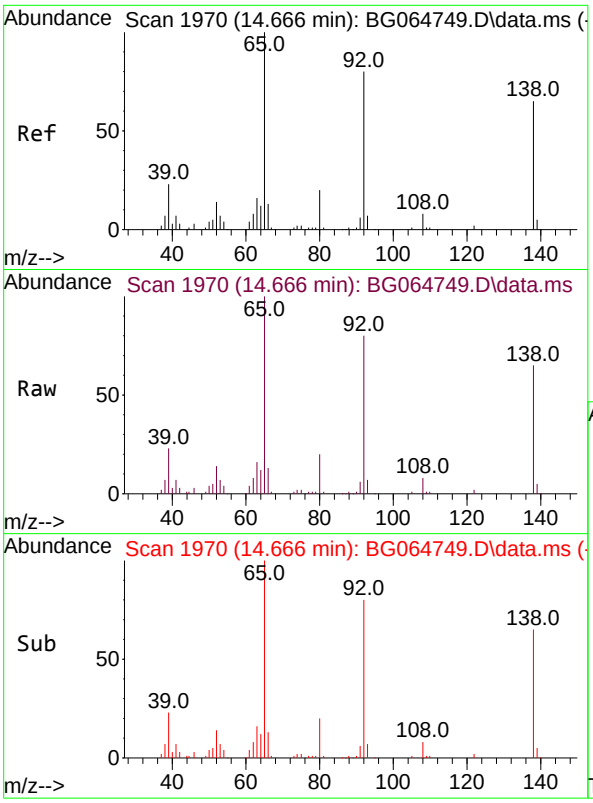


#52
Acenaphthene
Concen: 40.220 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:154 Resp: 224207

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.0	139.4
152	55.5	44.4	66.6

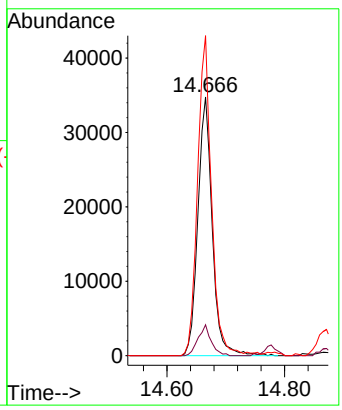




#53
3-Nitroaniline
Concen: 40.792 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:138 Resp: 5885

Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.5	14.3
92	123.7	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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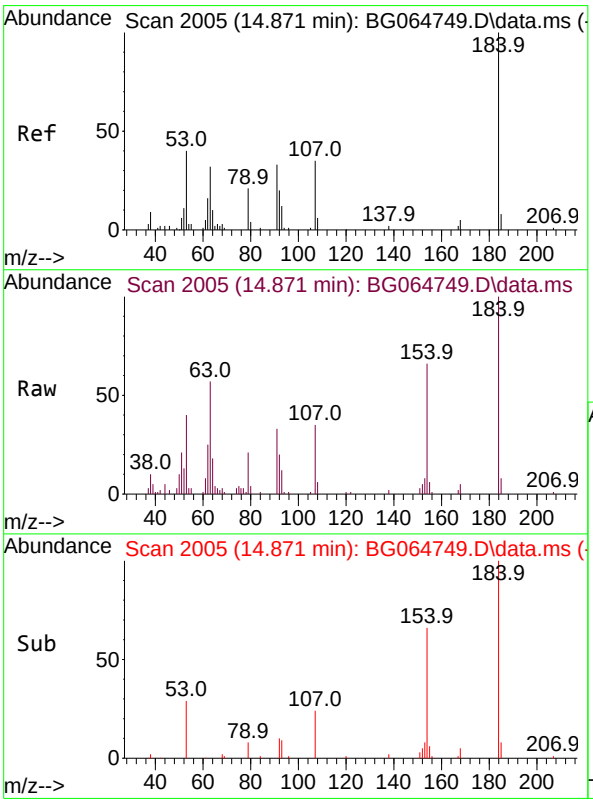
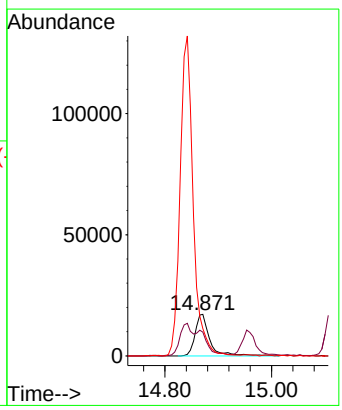
Supervised By :Sohil Jodhani 11/14/2025

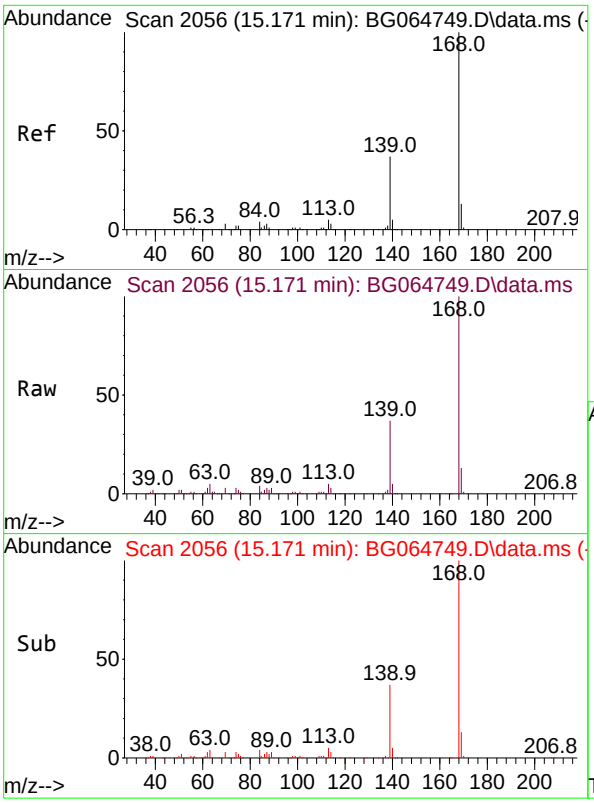


#54
2,4-Dinitrophenol
Concen: 37.583 ng
RT: 14.871 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:184 Resp: 32531

Ion	Ratio	Lower	Upper
184	100		
63	57.2	45.8	68.6
154	65.7	52.6	78.8

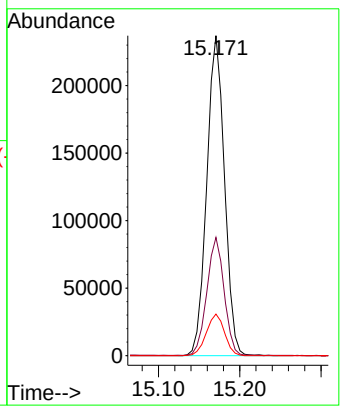




#55
Dibenzofuran
Concen: 38.973 ng
RT: 15.171 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:168 Resp: 35917

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.0	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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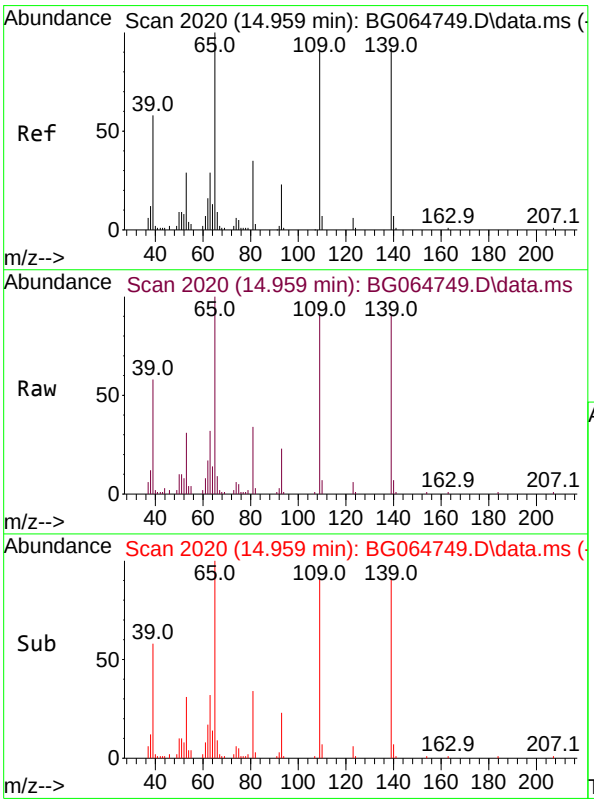
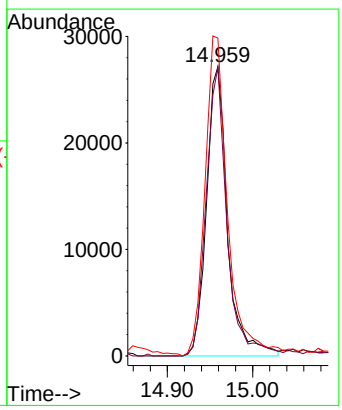
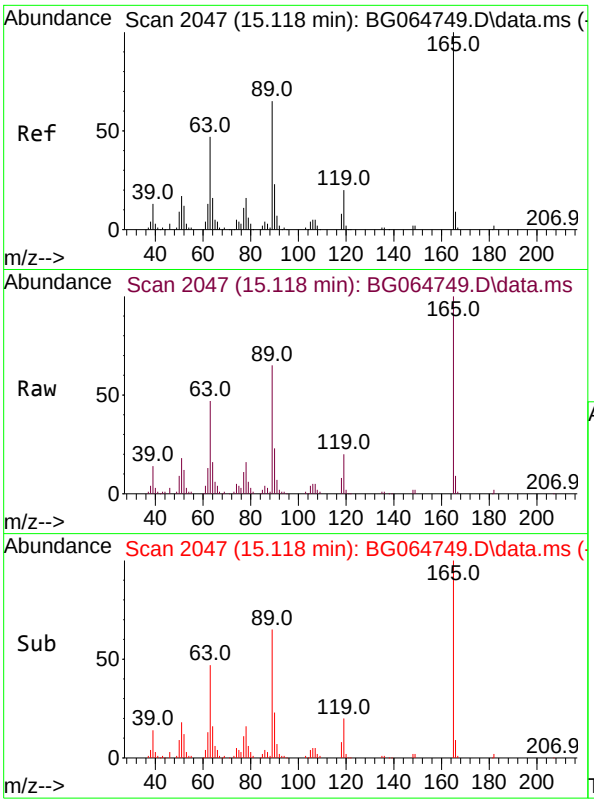


#56
4-Nitrophenol
Concen: 40.555 ng
RT: 14.959 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:139 Resp: 46427

Ion	Ratio	Lower	Upper
139	100		
109	99.7	79.7	119.7
65	109.9	89.9	129.9

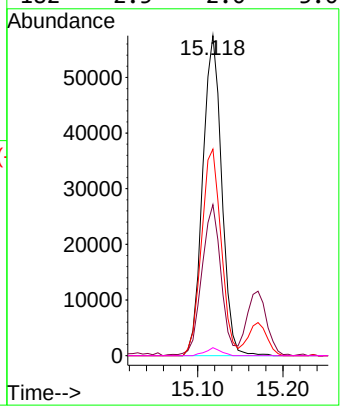




#57
2,4-Dinitrotoluene
Concen: 40.589 ng
RT: 15.118 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:165 Resp: 8895

Ion	Ratio	Lower	Upper
165	100		
63	47.2	37.8	56.6
89	64.5	51.6	77.4
182	2.5	2.0	3.0



Instrument :
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ClientSampleId :
SSTDICCC040

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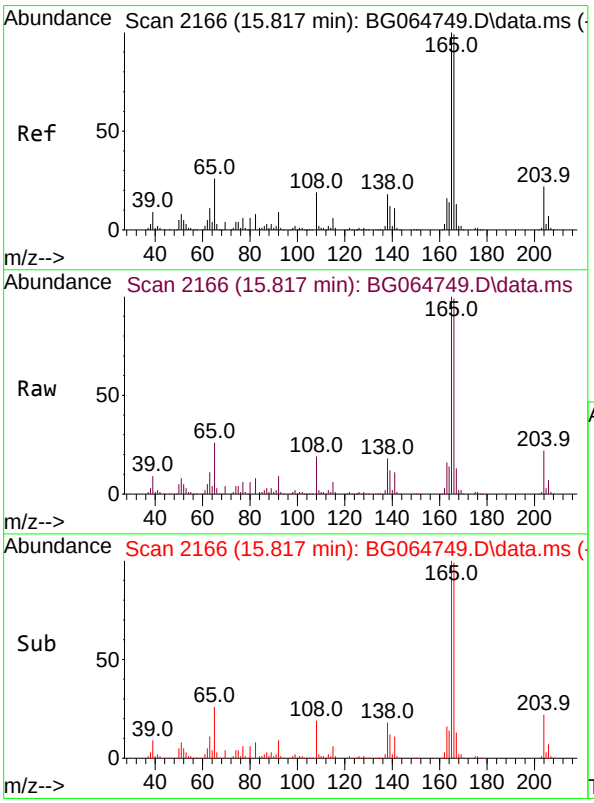
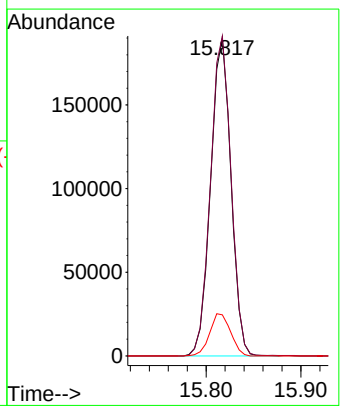
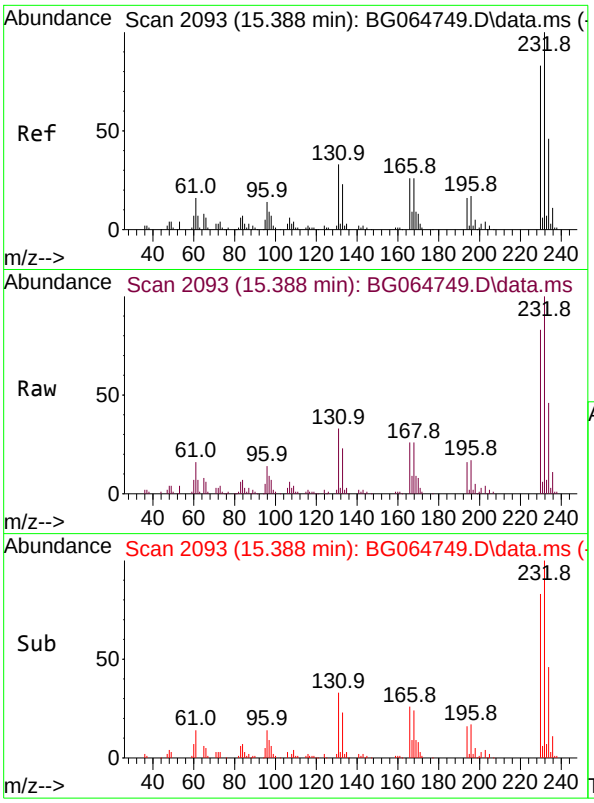


#58
Fluorene
Concen: 39.136 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:166 Resp: 282884

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.5	120.7
167	12.9	10.3	15.5

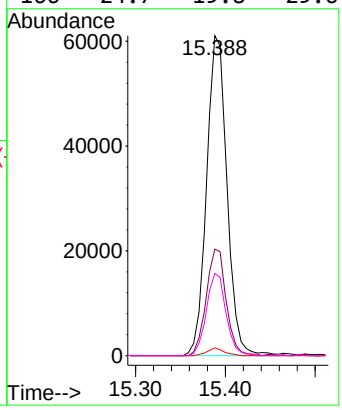




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.675 ng
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:232 Resp: 9644

Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.0	39.0
130	2.0	1.6	2.4
166	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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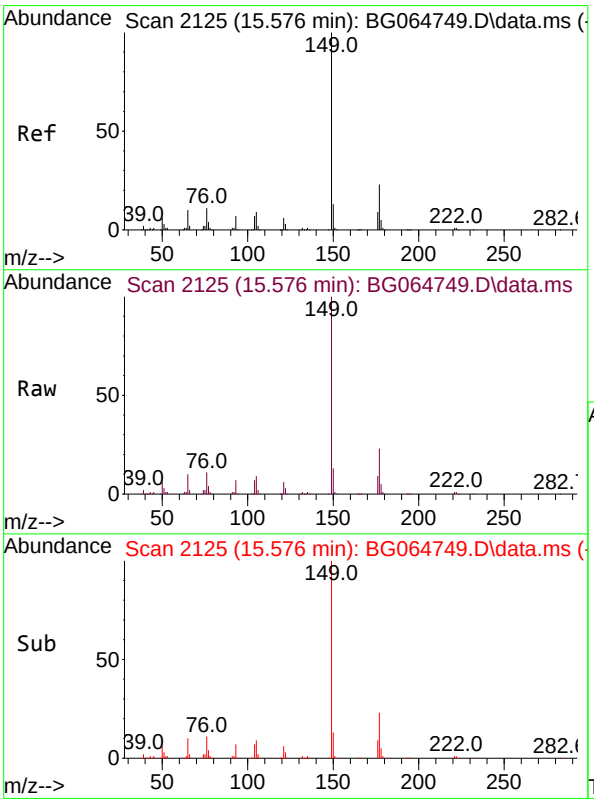
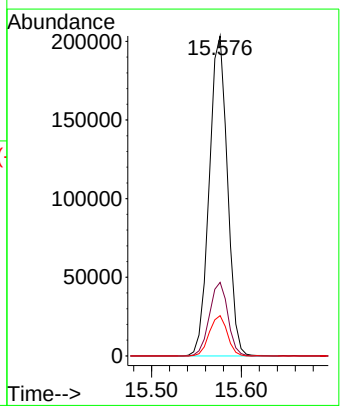
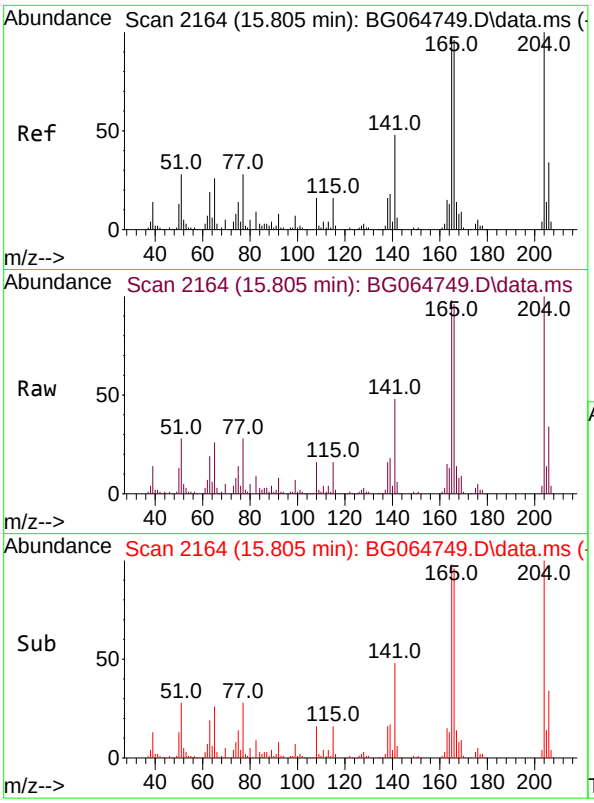


#60
Diethylphthalate
Concen: 39.444 ng
RT: 15.576 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 287069

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.4	27.6
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.017 ng
RT: 15.805 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:204 Resp: 16925

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.9	40.3
141	47.6	38.1	57.1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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Reviewed By :Jagrut Upadhyay 11/14/2025
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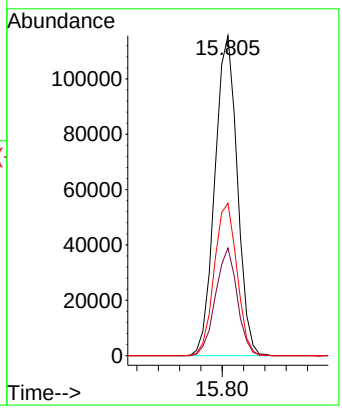
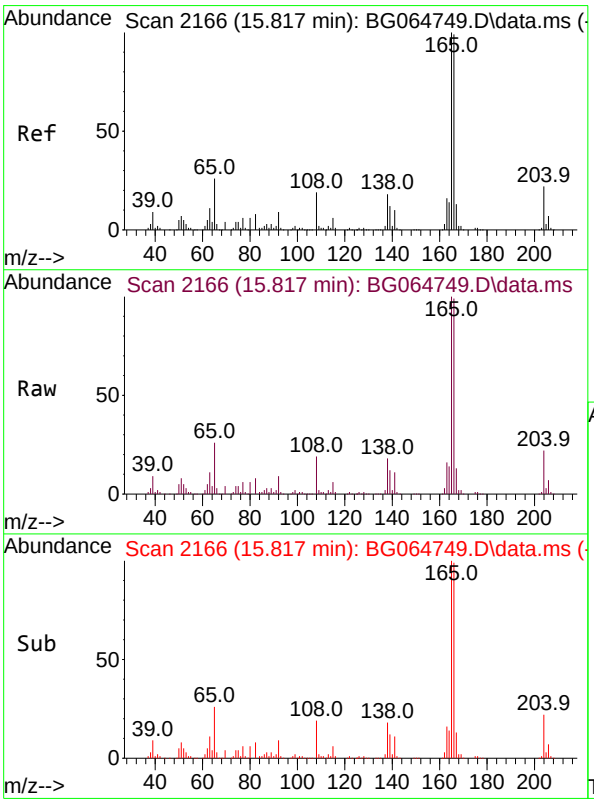
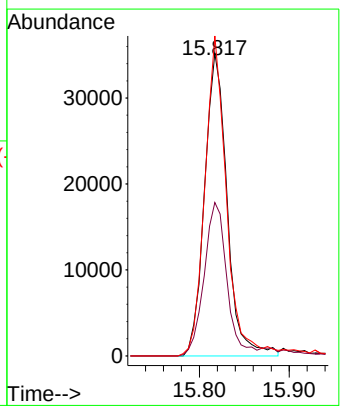


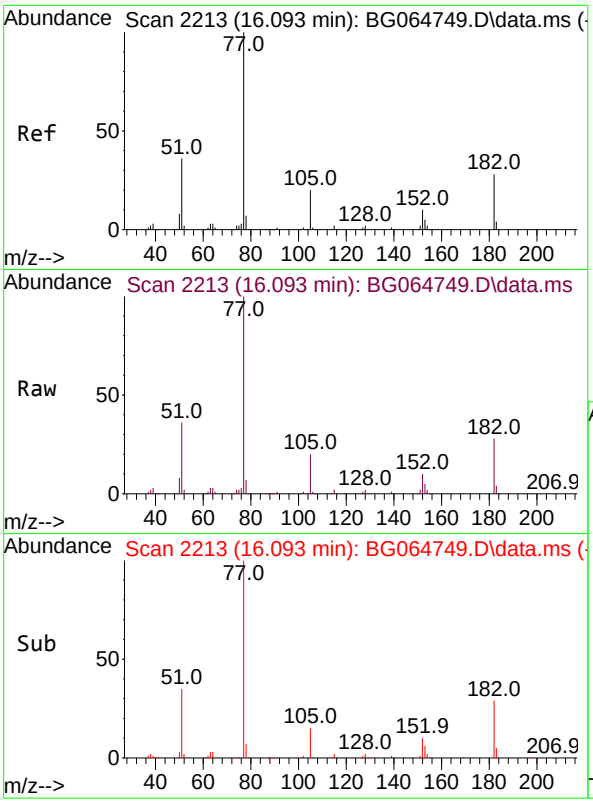


#62
4-Nitroaniline
Concen: 41.175 ng
RT: 15.817 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:138 Resp: 61547

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.7	70.7
108	105.7	85.7	125.7

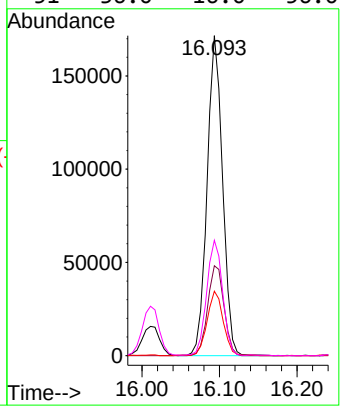




#63
Azobenzene
Concen: 39.248 ng
RT: 16.093 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion: 77 Resp: 23758

Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.1	48.1
105	20.1	0.1	40.1
51	36.0	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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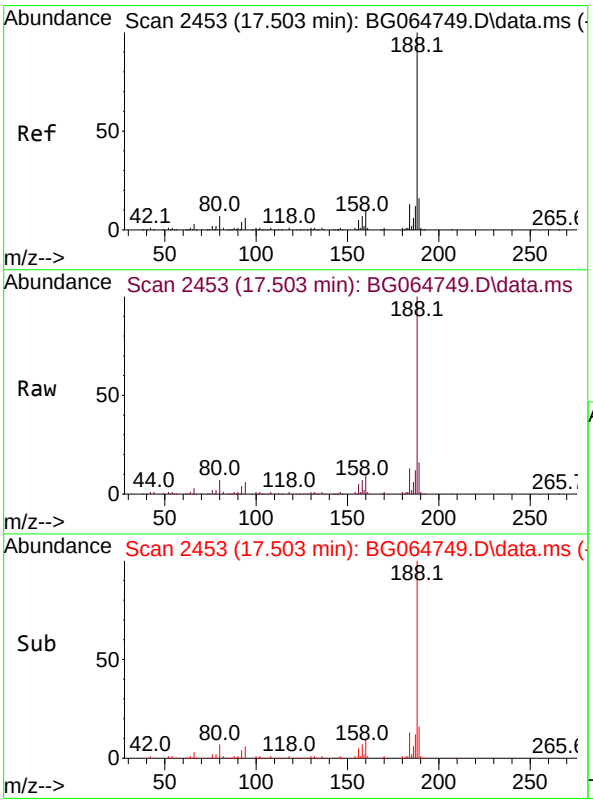
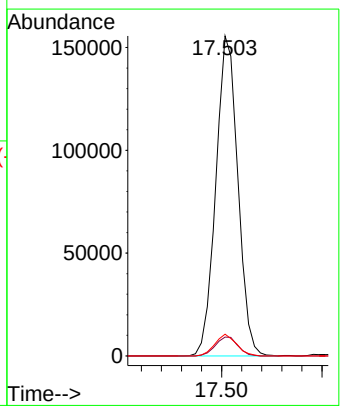
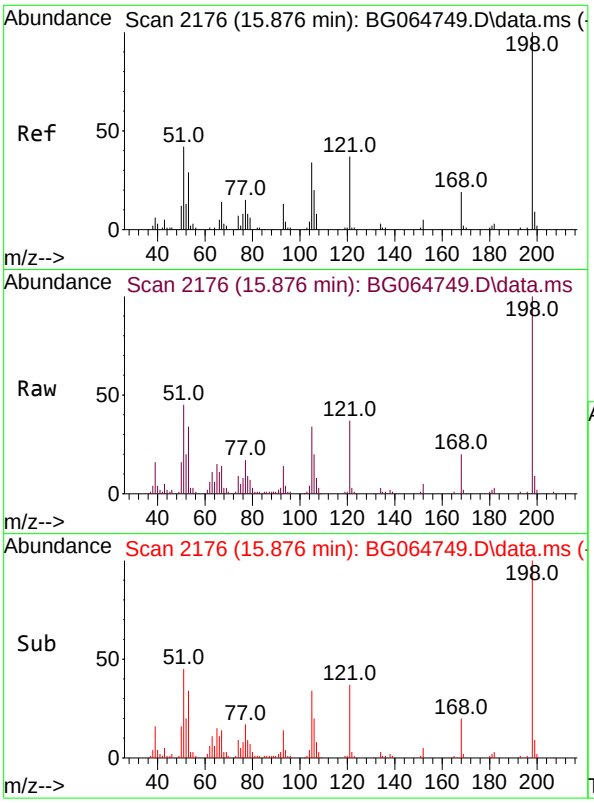


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 2453
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:188 Resp: 237407

Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.7	7.1
80	6.8	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 42.097 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:198 Resp: 5548

Ion	Ratio	Lower	Upper
198	100		
51	45.2	25.2	65.2
105	34.2	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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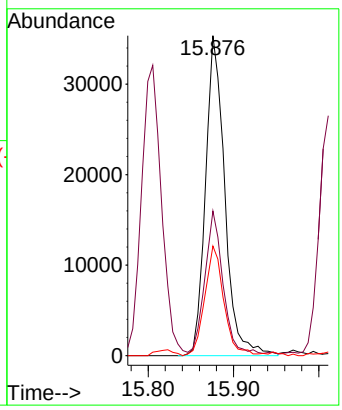
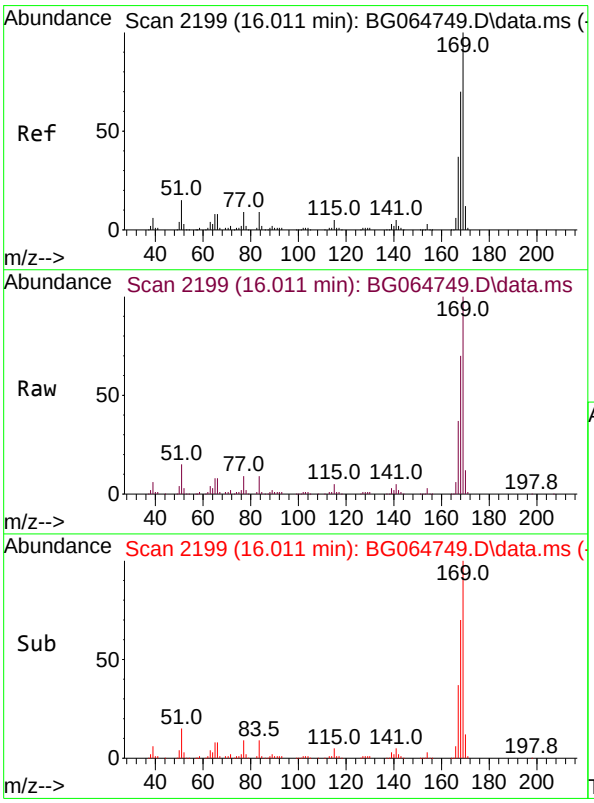
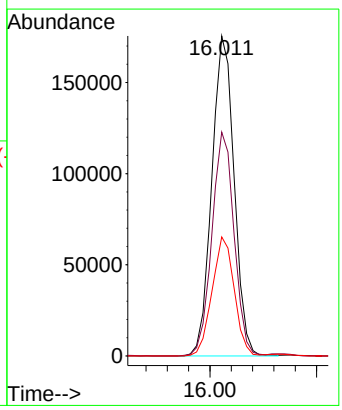


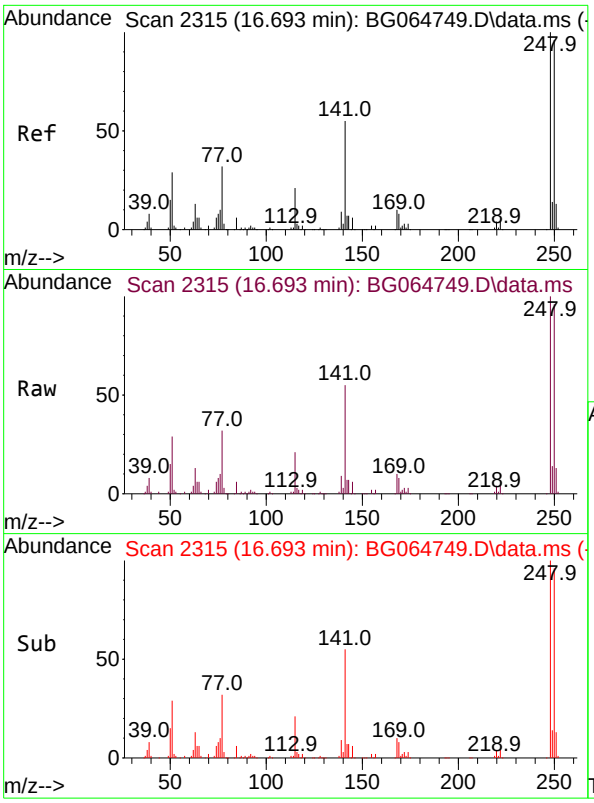


#66
n-Nitrosodiphenylamine
Concen: 41.111 ng
RT: 16.011 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:169 Resp: 255647

Ion	Ratio	Lower	Upper
169	100		
168	69.9	55.9	83.9
167	37.2	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 41.030 ng
RT: 16.693 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:248 Resp: 12791

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.0	115.6
141	54.6	43.7	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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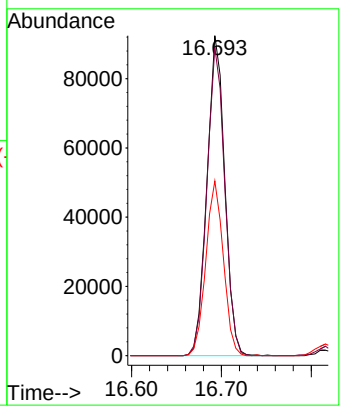
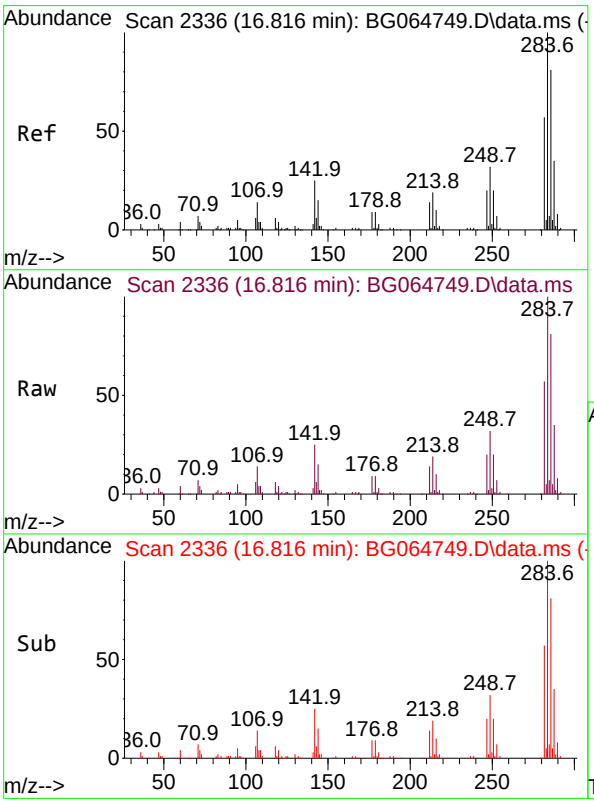
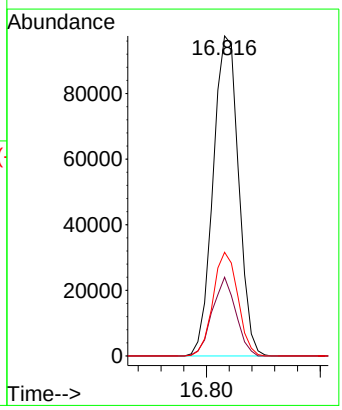


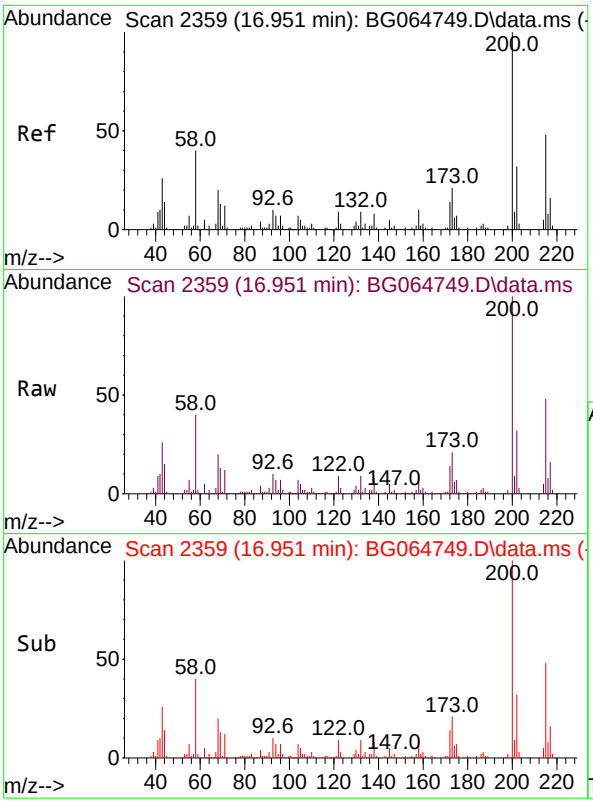


#68
Hexachlorobenzene
Concen: 40.195 ng
RT: 16.816 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:284 Resp: 151827

Ion	Ratio	Lower	Upper
284	100		
142	24.6	19.7	29.5
249	35.1	28.1	42.1





#69
Atrazine
Concen: 40.086 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:200 Resp: 120184

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.5	27.5	67.5

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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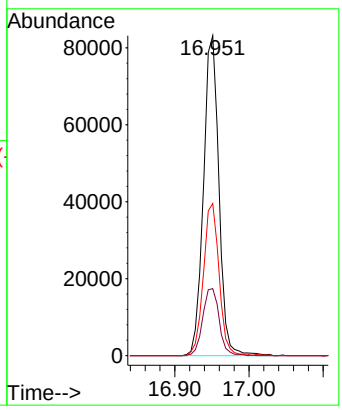
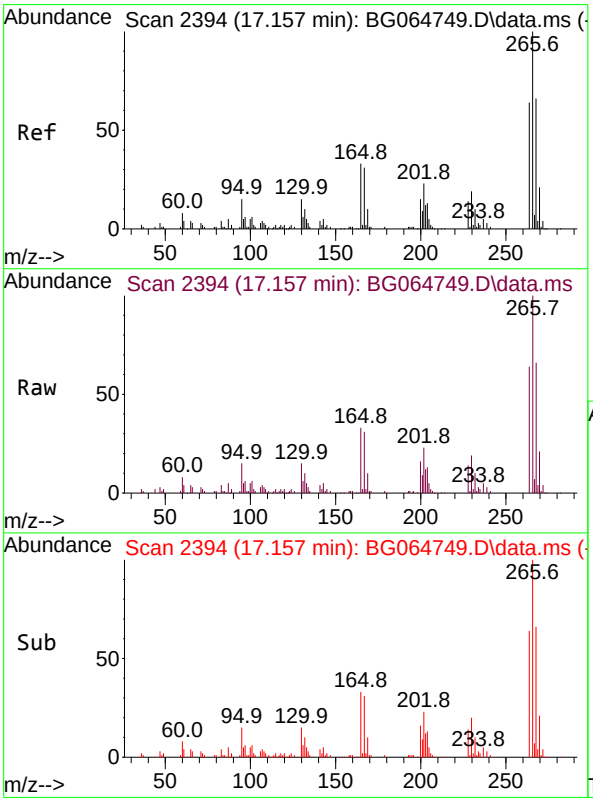
Supervised By :Sohil Jodhani 11/14/2025

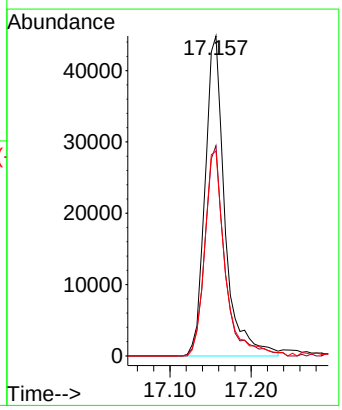


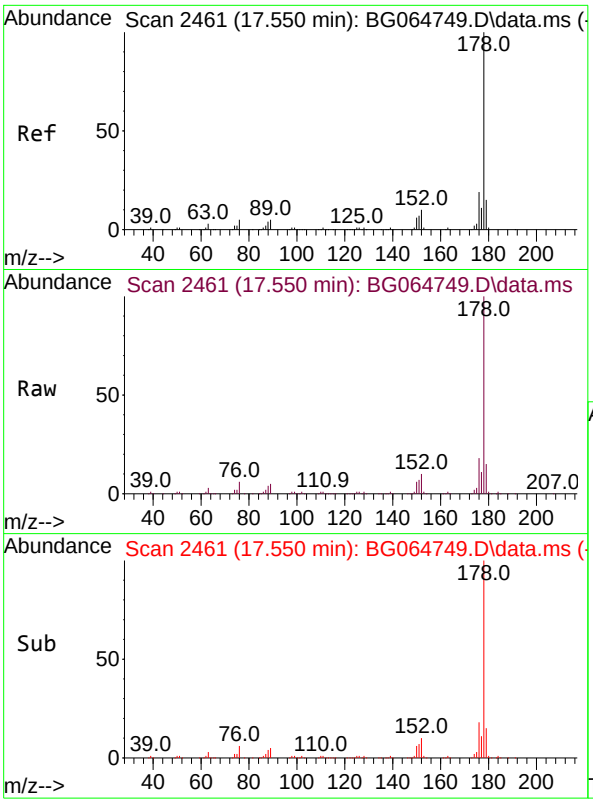


#70
Pentachlorophenol
Concen: 37.572 ng
RT: 17.157 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:266 Resp: 76096

Ion	Ratio	Lower	Upper
266	100		
268	70.1	56.1	84.1
264	64.0	51.2	76.8





#71
Phenanthrene
Concen: 40.177 ng
RT: 17.550 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:178 Resp: 52187

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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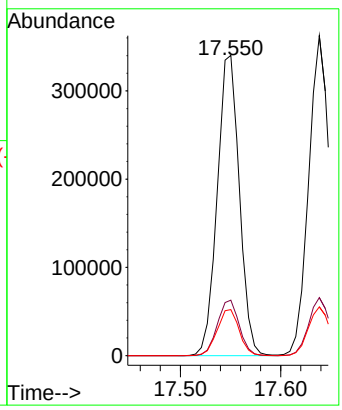
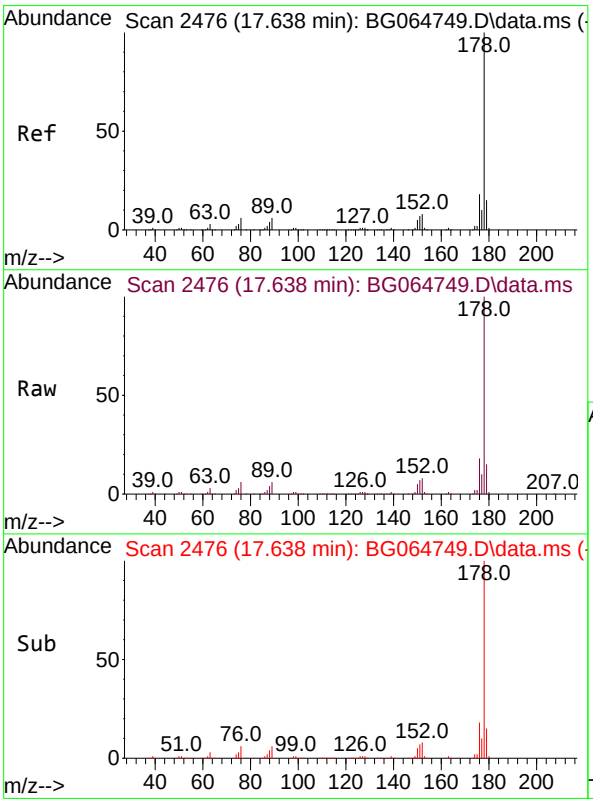
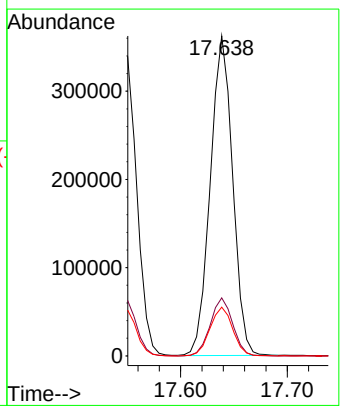


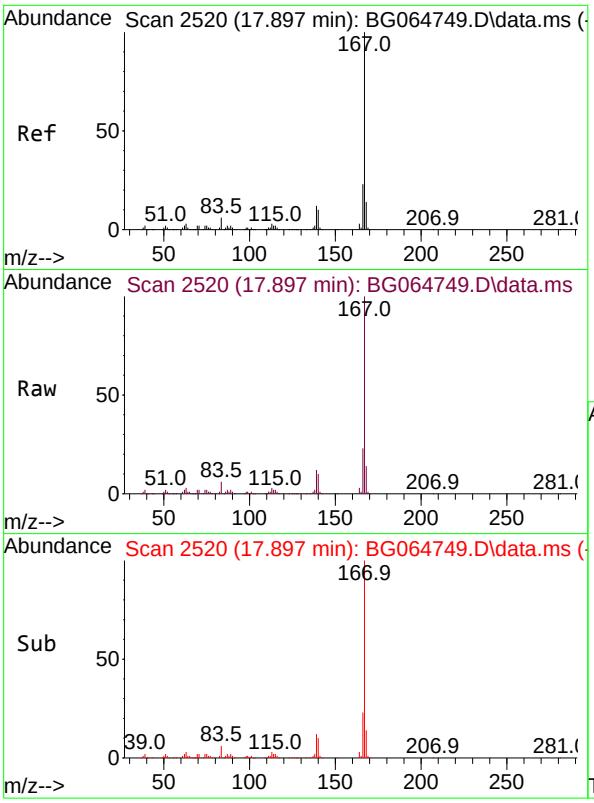


#72
Anthracene
Concen: 39.892 ng
RT: 17.638 min Scan# 2476
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:178 Resp: 528364

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.3	12.2	18.4

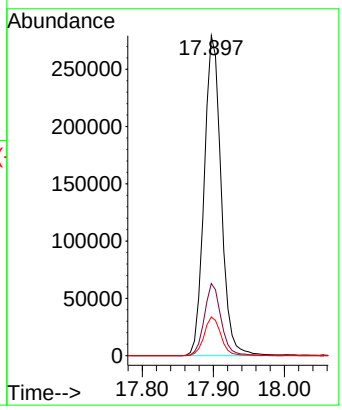




#73
Carbazole
Concen: 40.475 ng
RT: 17.897 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:167 Resp: 46085

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	12.1	9.7	14.5



Instrument :
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ClientSampleId :
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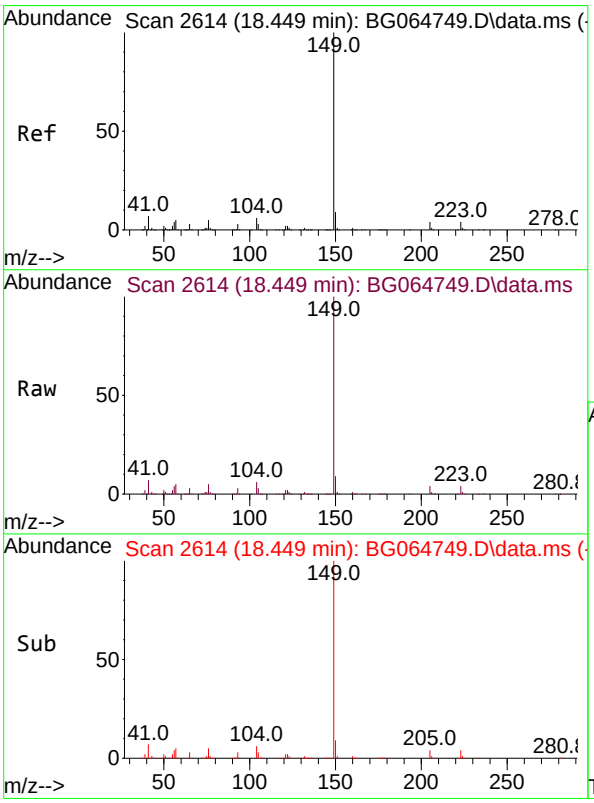
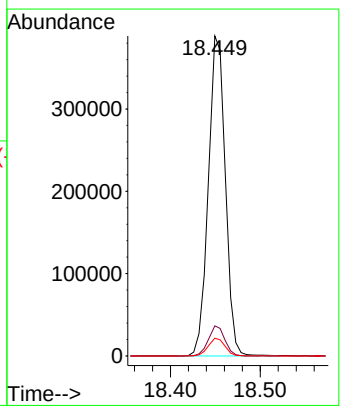
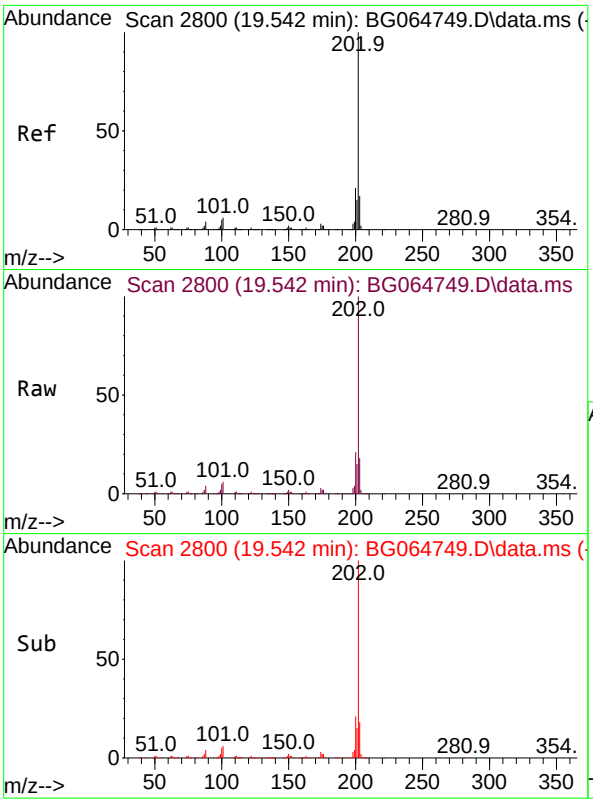


#74
Di-n-butylphthalate
Concen: 40.245 ng
RT: 18.449 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 511236

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.5	4.4	6.6

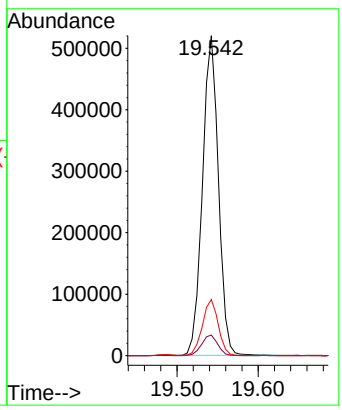




#75
Fluoranthene
Concen: 39.948 ng
RT: 19.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:202 Resp: 70955

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	26.4
203	17.5	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
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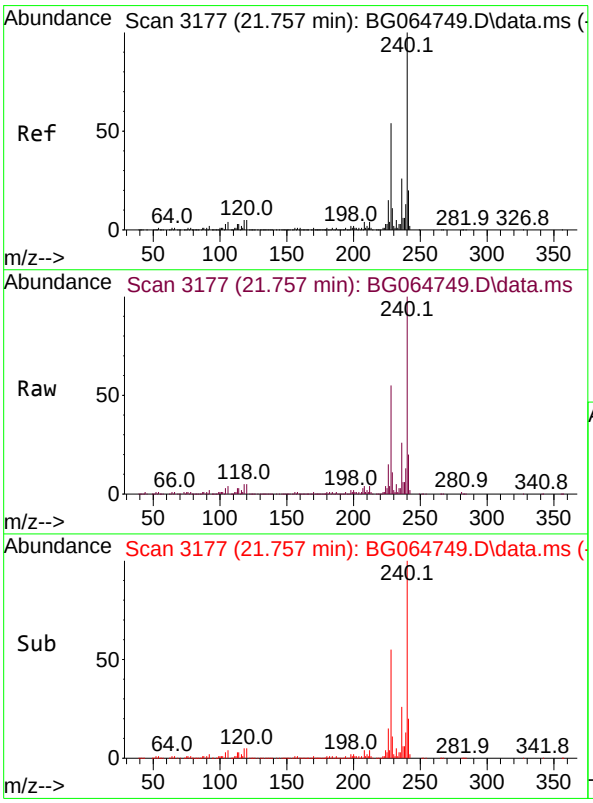
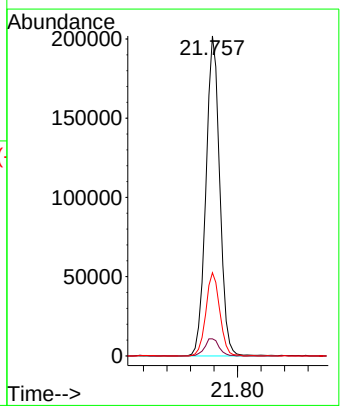
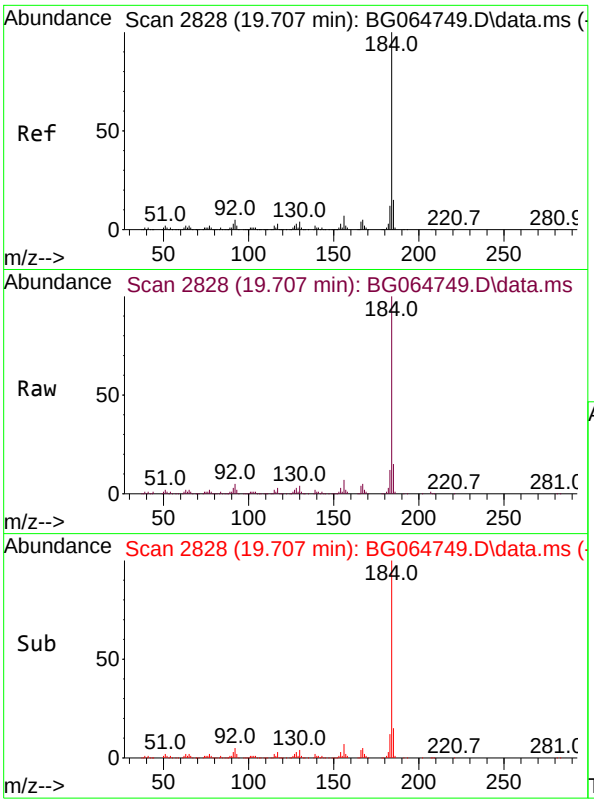


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.757 min Scan# 3177
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:240 Resp: 329177

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	26.0	20.8	31.2

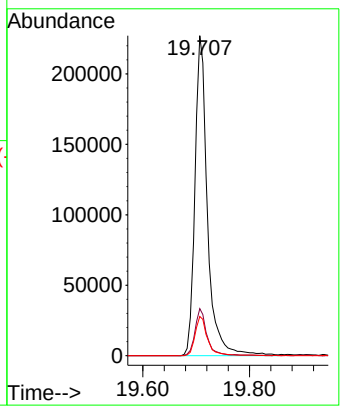




#77
Benzidine
Concen: 37.485 ng
RT: 19.707 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:184 Resp: 36954

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	12.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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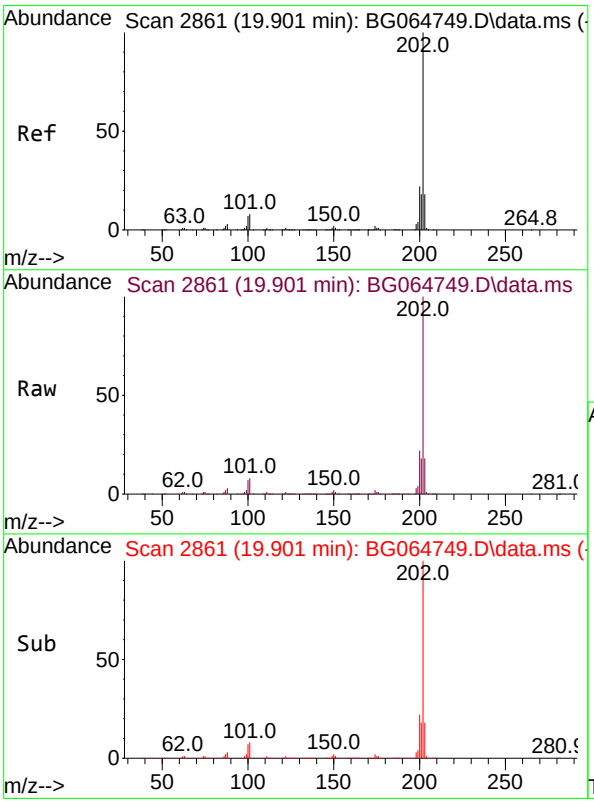
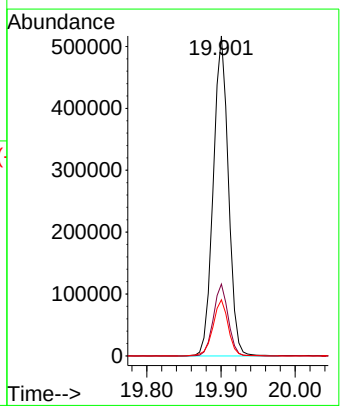
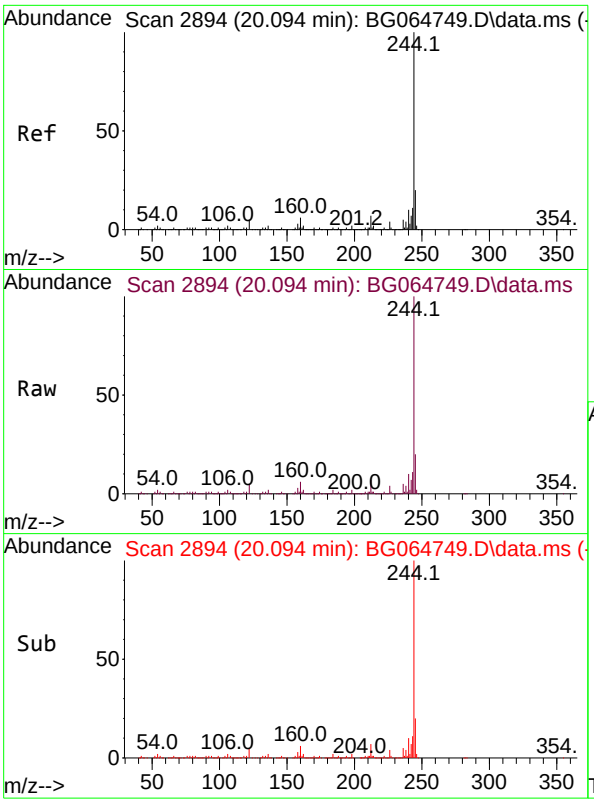


#78
Pyrene
Concen: 39.650 ng
RT: 19.901 min Scan# 2861
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:202 Resp: 731495

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.9	26.9
203	17.5	14.0	21.0

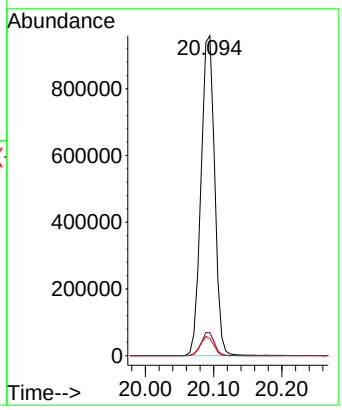




#79
Terphenyl-d14
Concen: 79.636 ng
RT: 20.094 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:244 Resp: 133263

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	5.4	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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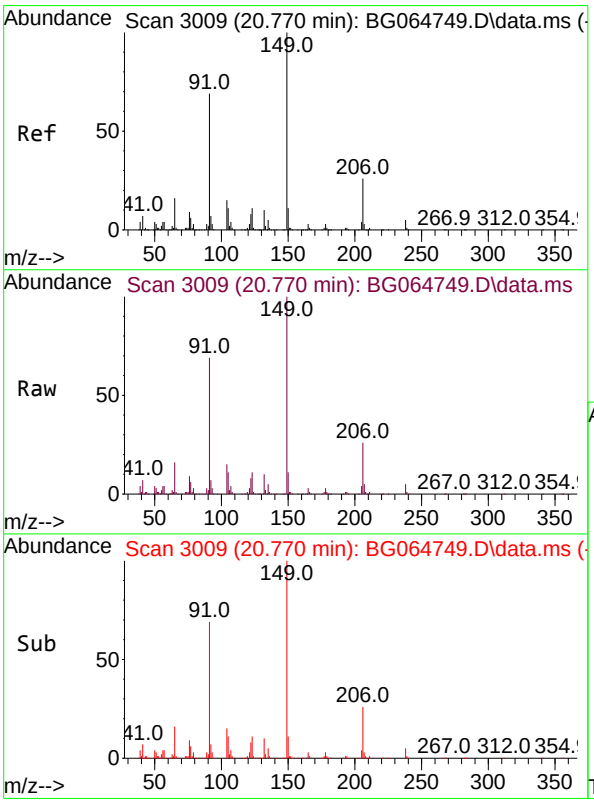
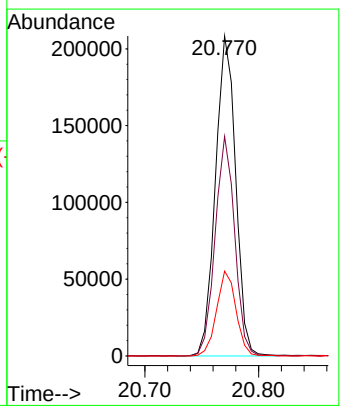
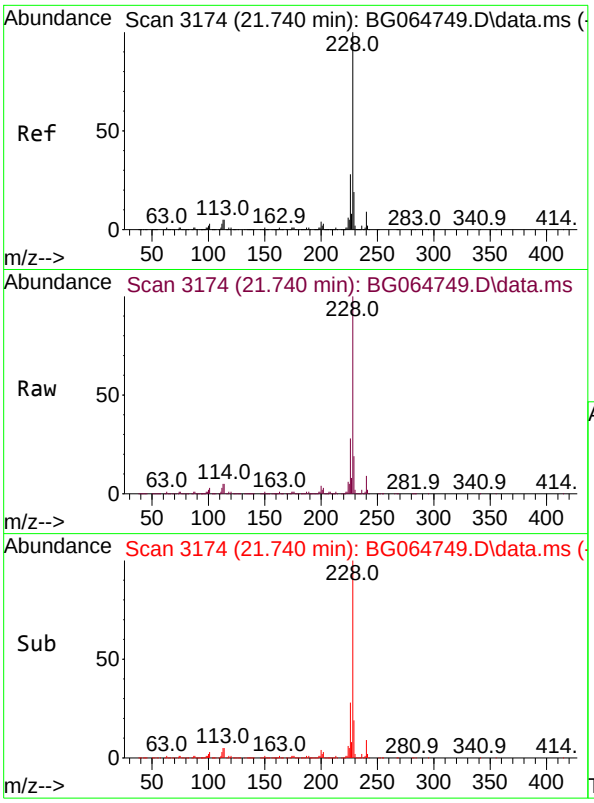


#80
Butylbenzylphthalate
Concen: 39.676 ng
RT: 20.770 min Scan# 3009
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 257466

Ion	Ratio	Lower	Upper
149	100		
91	68.6	54.9	82.3
206	26.5	21.2	31.8

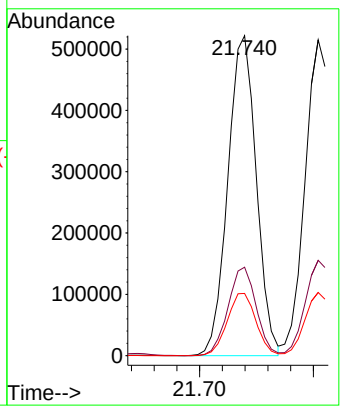




#81
Benzo(a)anthracene
Concen: 40.563 ng
RT: 21.740 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:228 Resp: 907919

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.4	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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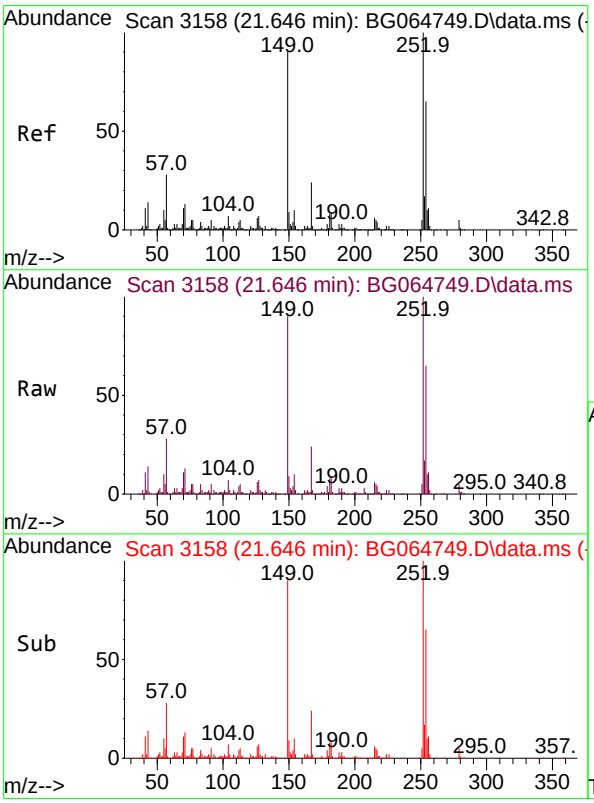
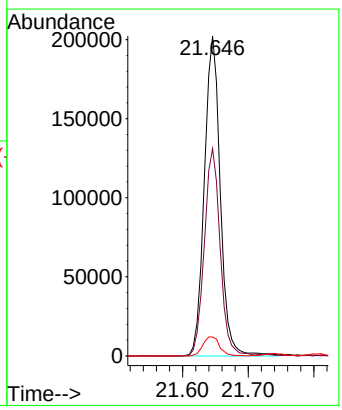
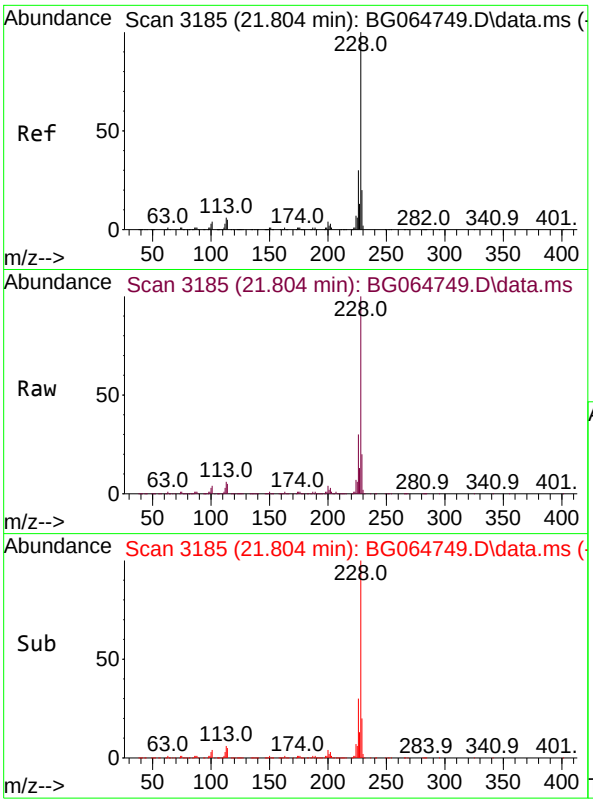


#82
3,3'-Dichlorobenzidine
Concen: 41.276 ng
RT: 21.646 min Scan# 3158
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 340049

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.8
126	5.9	4.7	7.1





#83
Chrysene
Concen: 40.834 ng
RT: 21.804 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:228 Resp: 86168

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	20.0	16.0	24.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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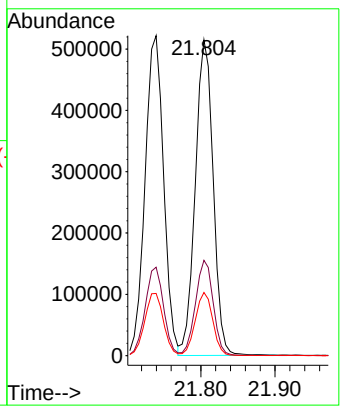
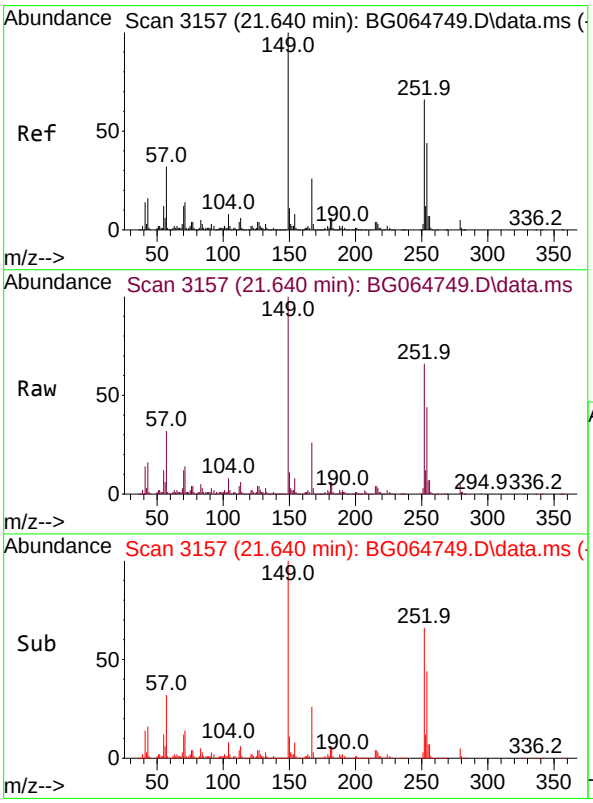
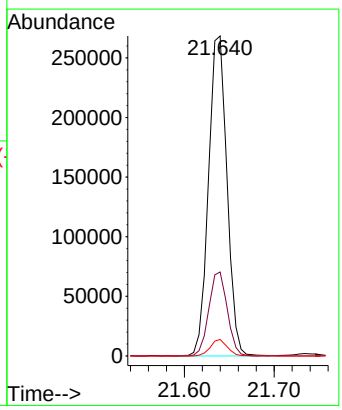


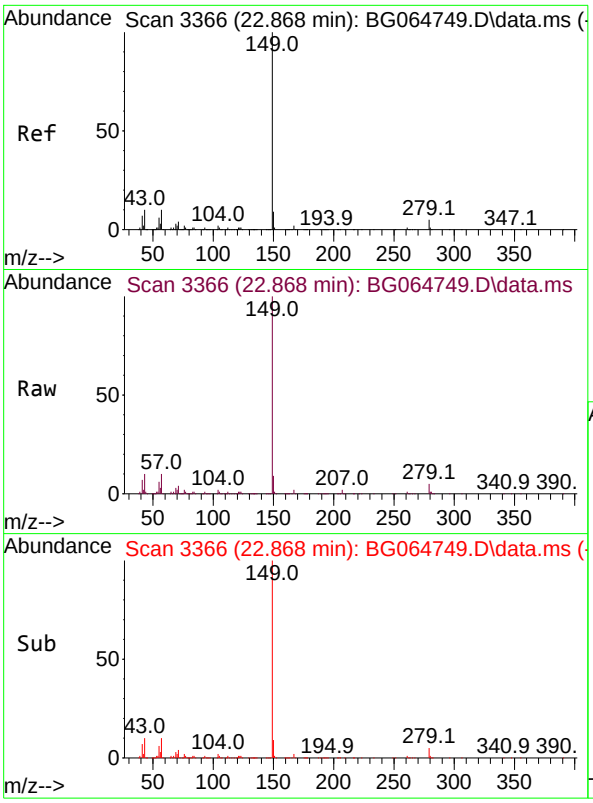


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.497 ng
RT: 21.640 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 384010

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	5.1	4.1	6.1

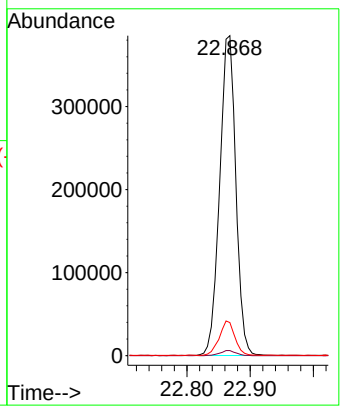




#85
Di-n-octyl phthalate
Concen: 41.680 ng
RT: 22.868 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:149 Resp: 68317

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.4	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
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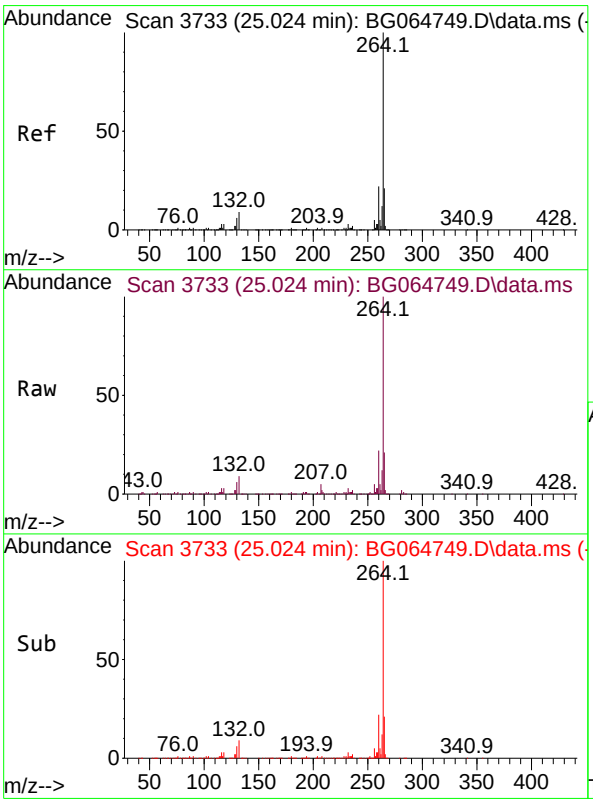
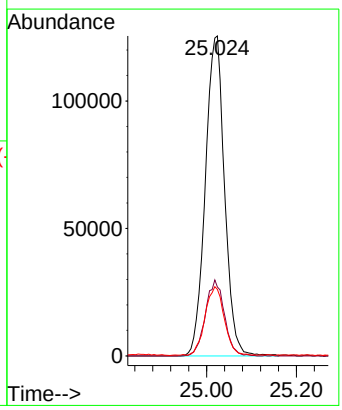
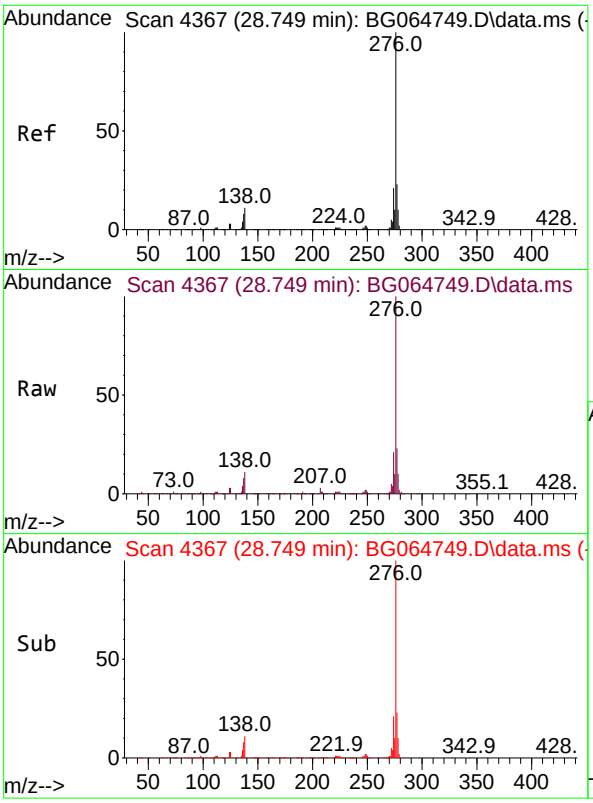


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.024 min Scan# 3733
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:264 Resp: 372727

Ion	Ratio	Lower	Upper
264	100		
260	21.5	17.2	25.8
265	20.8	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.734 ng
RT: 28.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:276 Resp: 104309

Ion	Ratio	Lower	Upper
276	100		
138	5.6	4.5	6.7
277	25.0	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
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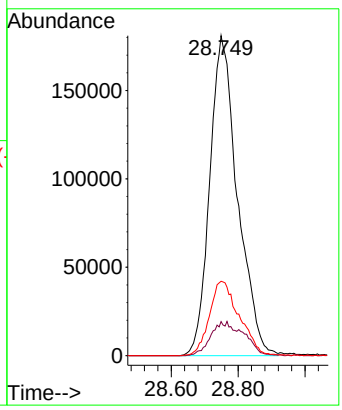
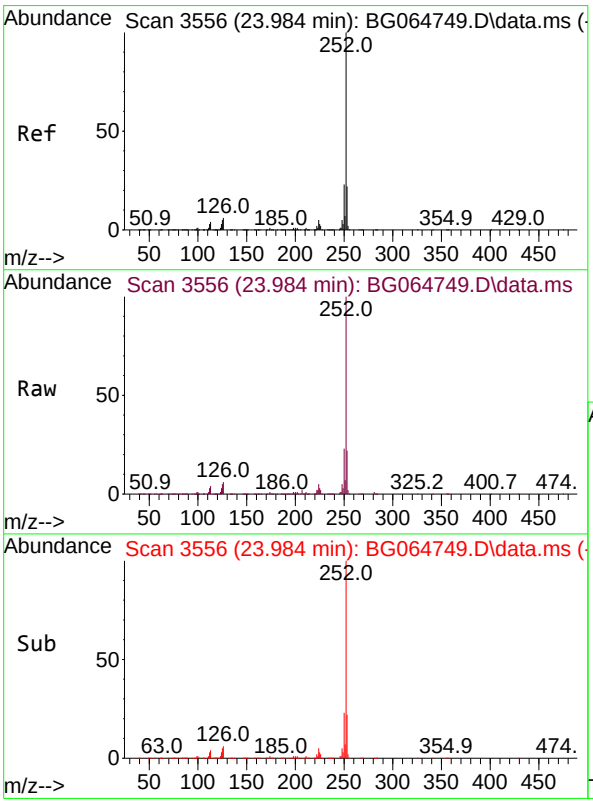
Supervised By :Sohil Jodhani 11/14/2025

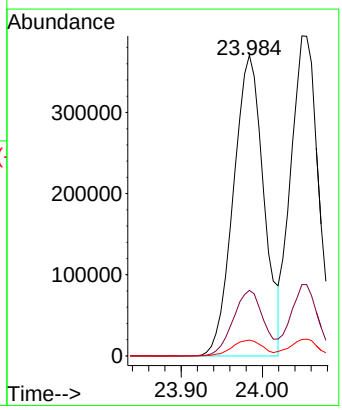


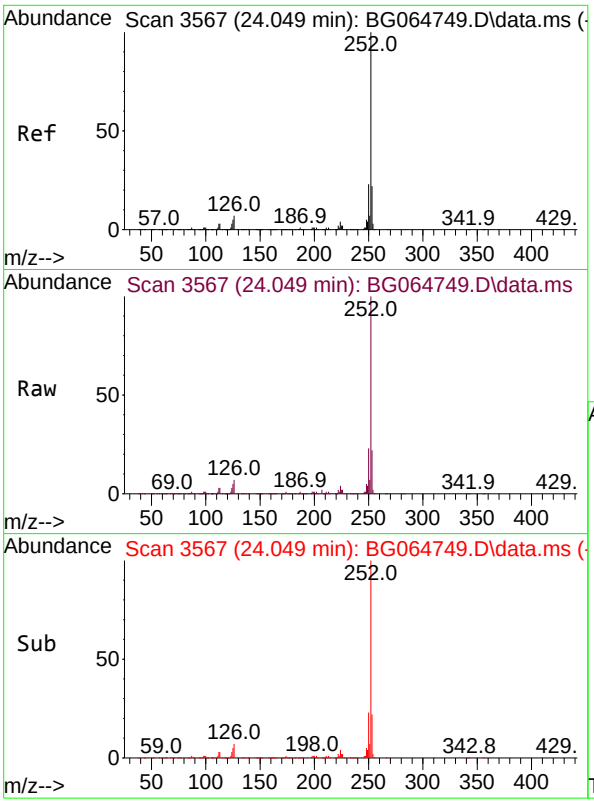


#88
Benzo(b)fluoranthene
Concen: 40.559 ng
RT: 23.984 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 962053

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	5.2	4.2	6.2

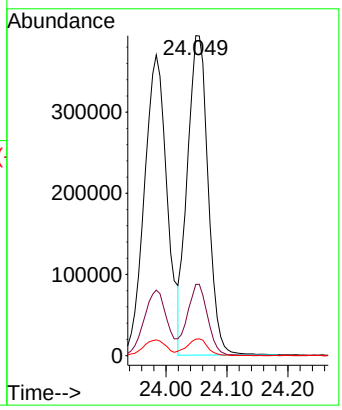




#89
Benzo(k)fluoranthene
Concen: 39.075 ng
RT: 24.049 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 93115

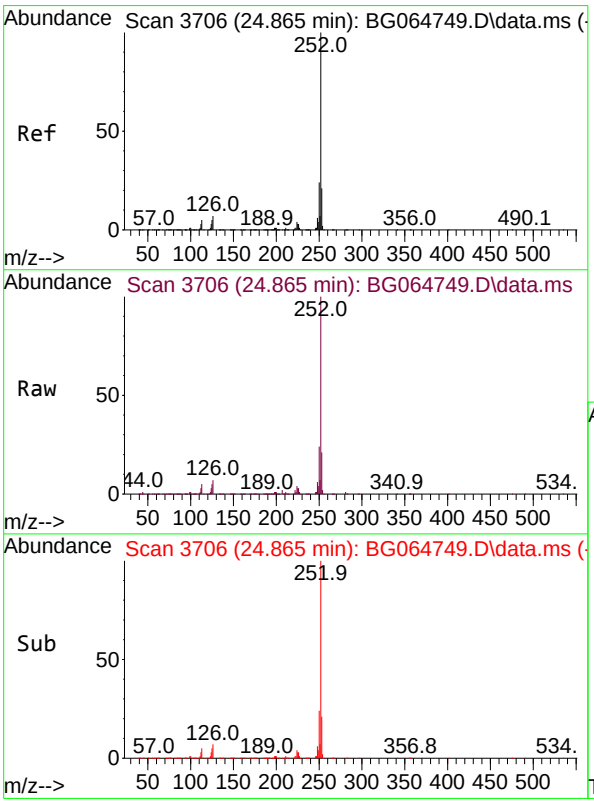
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	5.1	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

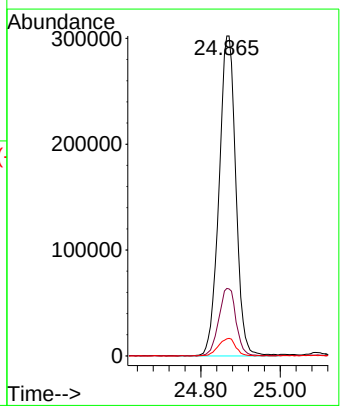
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

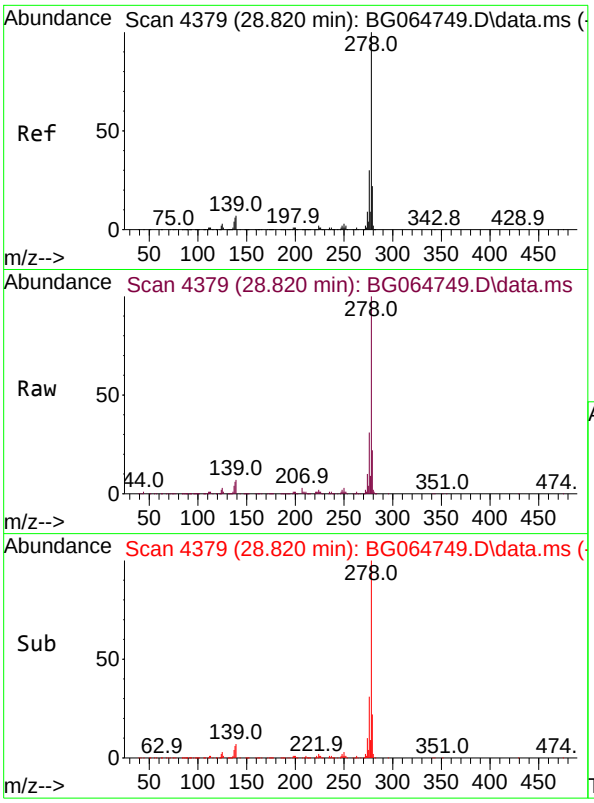


#90
Benzo(a)pyrene
Concen: 40.357 ng
RT: 24.865 min Scan# 3706
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:252 Resp: 887984

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	5.3	4.2	6.4

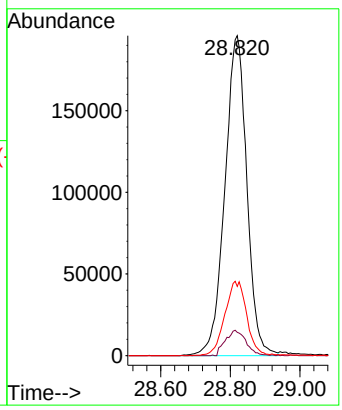




#91
Dibenzo(a,h)anthracene
Concen: 40.917 ng
RT: 28.820 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:278 Resp: 85836

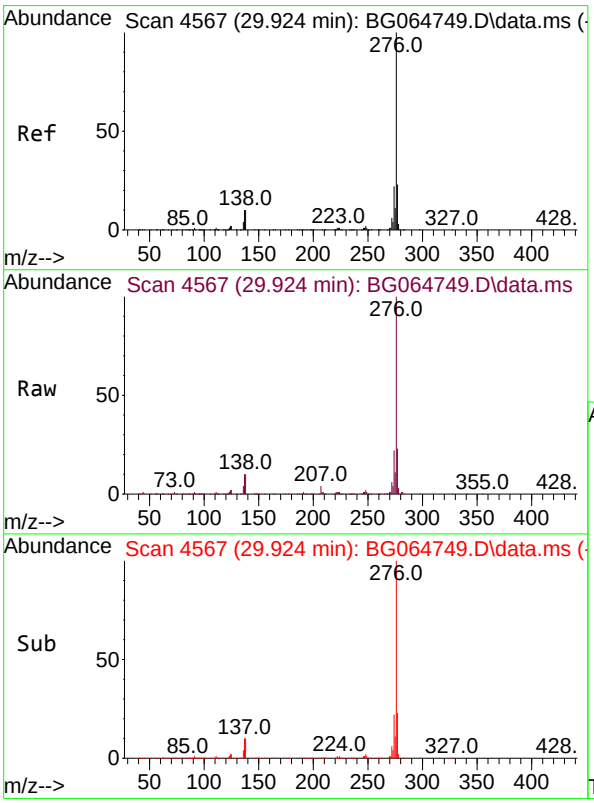
Ion	Ratio	Lower	Upper
278	100		
139	7.3	5.8	8.8
279	21.6	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

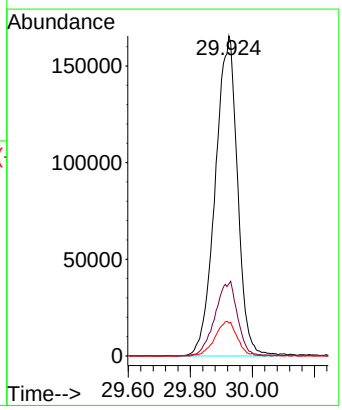
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 40.796 ng
RT: 29.924 min Scan# 4567
Delta R.T. 0.000 min
Lab File: BG064749.D
Acq: 12 Nov 2025 14:00

Tgt Ion:276 Resp: 823658

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.0	27.0
138	10.2	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.171	152	31498	20.000	ng	#	0.00
21) Naphthalene-d8	10.985	136	128561	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	106438	20.000	ng		0.00
64) Phenanthrene-d10	17.507	188	274480	20.000	ng		0.00
76) Chrysene-d12	21.761	240	357345	20.000	ng		0.00
86) Perylene-d12	25.016	264	371257	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	186004	103.119	ng		0.00
7) Phenol-d6	7.313	99	254548	106.101	ng		0.00
23) Nitrobenzene-d5	9.328	82	267372	102.828	ng		0.00
42) 2,4,6-Tribromophenol	16.250	330	211663	101.964	ng		0.00
45) 2-Fluorobiphenyl	13.412	172	744902	97.652	ng		0.00
79) Terphenyl-d14	20.092	244	1857392	102.245	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	35574	50.943	ng		98
3) Pyridine	3.946	79	106725	51.294	ng		98
4) n-Nitrosodimethylamine	3.853	42	54302	51.277	ng		99
6) Aniline	7.484	93	167371	52.339	ng		99
8) 2-Chlorophenol	7.724	128	103747	52.381	ng		98
9) Benzaldehyde	7.296	77	74755	47.601	ng		95
10) Phenol	7.337	94	139673	53.508	ng		98
11) bis(2-Chloroethyl)ether	7.572	93	96399	51.898	ng		95
12) 1,3-Dichlorobenzene	8.059	146	115482	50.671	ng		100
13) 1,4-Dichlorobenzene	8.200	146	116931	50.387	ng		99
14) 1,2-Dichlorobenzene	8.524	146	113910	50.623	ng		96
15) Benzyl Alcohol	8.400	79	105367	53.506	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.694	45	225281	51.240	ng		97
17) 2-Methylphenol	8.600	107	97154	52.602	ng		98
18) Hexachloroethane	9.264	117	43284	49.245	ng		98
19) n-Nitroso-di-n-propyla...	8.970	70	89646	55.264	ng		97
20) 3+4-Methylphenols	8.929	107	131483	51.964	ng		95
22) Acetophenone	8.988	105	178320	50.911	ng	#	96
24) Nitrobenzene	9.370	77	133911	50.970	ng		96
25) Isophorone	9.898	82	252330	50.959	ng		96
26) 2-Nitrophenol	10.086	139	62279	52.701	ng		94
27) 2,4-Dimethylphenol	10.139	122	107426	51.169	ng		97
28) bis(2-Chloroethoxy)met...	10.374	93	138748	51.040	ng		100
29) 2,4-Dichlorophenol	10.621	162	119188	52.879	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	134410	49.384	ng		95
31) Naphthalene	11.038	128	360779	49.504	ng		99
32) Benzoic acid	10.263	122	71126m	47.913	ng		
33) 4-Chloroaniline	11.132	127	151856	52.089	ng		97
34) Hexachlorobutadiene	11.326	225	114930	49.215	ng		96
35) Caprolactam	11.896	113	36692	54.473	ng	#	92
36) 4-Chloro-3-methylphenol	12.237	107	129260	51.523	ng		97
37) 2-Methylnaphthalene	12.625	142	273168	50.088	ng		99
38) 1-Methylnaphthalene	12.842	142	268378	49.540	ng		99
40) 1,2,4,5-Tetrachloroben...	12.989	216	201992	48.764	ng		98
41) Hexachlorocyclopentadiene	12.971	237	148300	49.948	ng		94
43) 2,4,6-Trichlorophenol	13.218	196	126206	51.912	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.289	196	138309	50.724	ng		96
46)	1,1'-Biphenyl	13.618	154	373911	48.911	ng		98
47)	2-Chloronaphthalene	13.665	162	296964	49.307	ng		98
48)	2-Nitroaniline	13.853	65	101905	52.606	ng		97
49)	Acenaphthylene	14.499	152	513965	49.951	ng		98
50)	Dimethylphthalate	14.223	163	420404	50.001	ng		100
51)	2,6-Dinitrotoluene	14.340	165	84245	52.071	ng		96
52)	Acenaphthene	14.840	154	313277	50.780	ng		99
53)	3-Nitroaniline	14.663	138	85159	53.331	ng		94
54)	2,4-Dinitrophenol	14.869	184	50173	48.998	ng		91
55)	Dibenzofuran	15.175	168	503441	49.360	ng		96
56)	4-Nitrophenol	14.957	139	68287	53.900	ng		92
57)	2,4-Dinitrotoluene	15.116	165	125592	51.779	ng		95
58)	Fluorene	15.815	166	388983	48.627	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.392	232	142728	53.053	ng		97
60)	Diethylphthalate	15.574	149	407694	50.617	ng		99
61)	4-Chlorophenyl-phenyle...	15.803	204	234740	48.897	ng		99
62)	4-Nitroaniline	15.827	138	89205	53.925	ng		91
63)	Azobenzene	16.097	77	332609	49.648	ng		99
65)	4,6-Dinitro-2-methylph...	15.880	198	83106	54.533	ng		98
66)	n-Nitrosodiphenylamine	16.015	169	356316	49.560	ng		100
67)	4-Bromophenyl-phenylether	16.696	248	177607	49.273	ng		95
68)	Hexachlorobenzene	16.820	284	218143	49.952	ng		95
69)	Atrazine	16.949	200	173976	50.190	ng		99
70)	Pentachlorophenol	17.155	266	121224	49.449	ng		94
71)	Phenanthrene	17.548	178	741474	49.373	ng		99
72)	Anthracene	17.642	178	754273	49.256	ng		99
73)	Carbazole	17.901	167	647451	49.183	ng		99
74)	Di-n-butylphthalate	18.453	149	738268	50.268	ng		100
75)	Fluoranthene	19.540	202	1002435	48.814	ng		99
77)	Benzidine	19.710	184	551983	51.578	ng		98
78)	Pyrene	19.904	202	1040032	51.930	ng		98
80)	Butylbenzylphthalate	20.774	149	360898	51.231	ng		95
81)	Benzo(a)anthracene	21.737	228	1212620	49.906	ng		99
82)	3,3'-Dichlorobenzidine	21.643	252	452926	50.644	ng		99
83)	Chrysene	21.808	228	1131589	49.398	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.638	149	509870	49.532	ng		99
85)	Di-n-octyl phthalate	22.866	149	878300	49.360	ng		100
87)	Indeno(1,2,3-cd)pyrene	28.759	276	1303237	51.094	ng	#	96
88)	Benzo(b)fluoranthene	23.982	252	1186948	50.239	ng		100
89)	Benzo(k)fluoranthene	24.052	252	1187020	50.009	ng		100
90)	Benzo(a)pyrene	24.869	252	1096687	50.040	ng		99
91)	Dibenzo(a,h)anthracene	28.817	278	1071866	51.297	ng		97
92)	Benzo(g,h,i)perylene	29.922	276	1028630	51.150	ng		97

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

ICAL Form

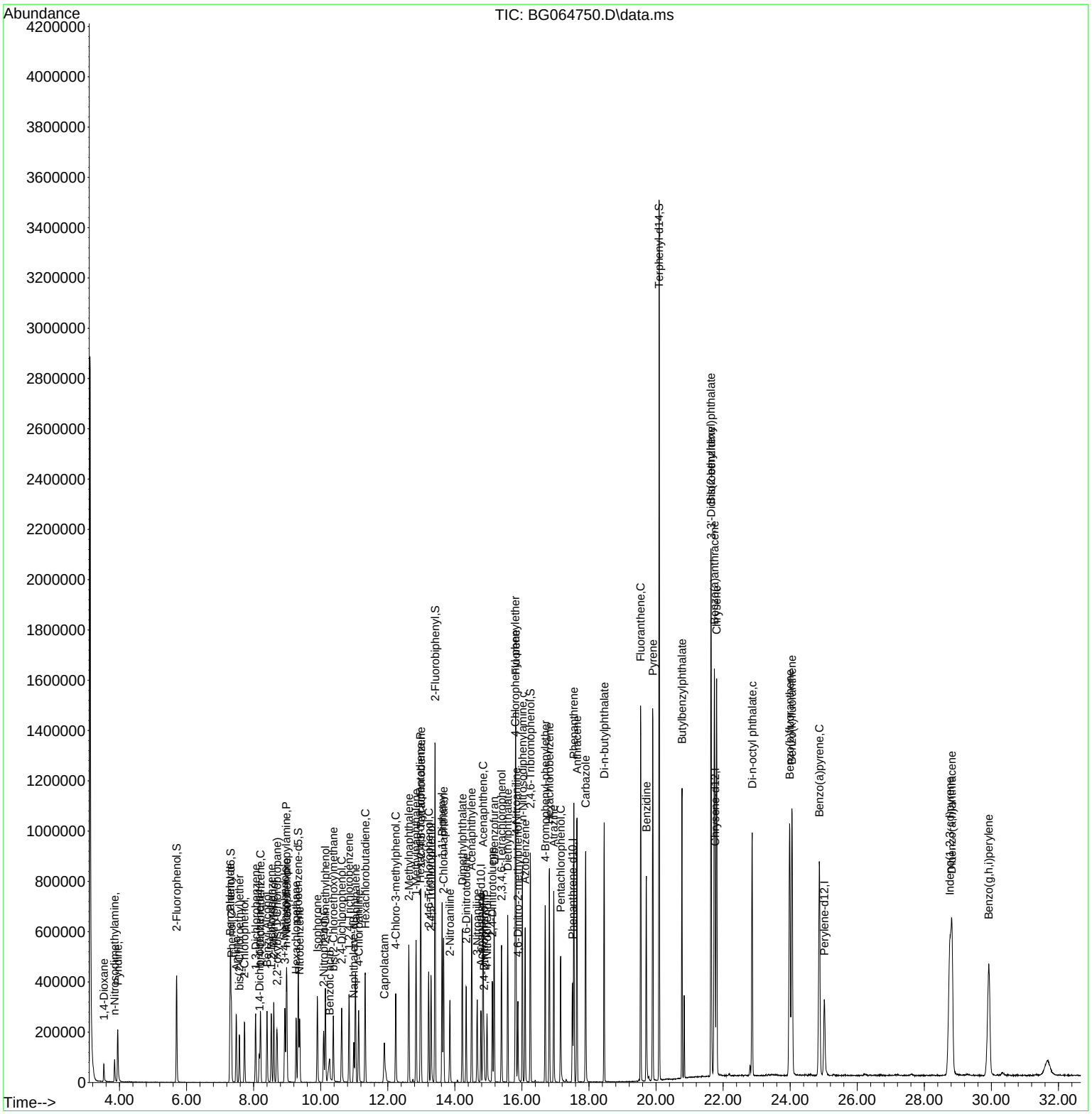
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064750.D
Acq On : 12 Nov 2025 14:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

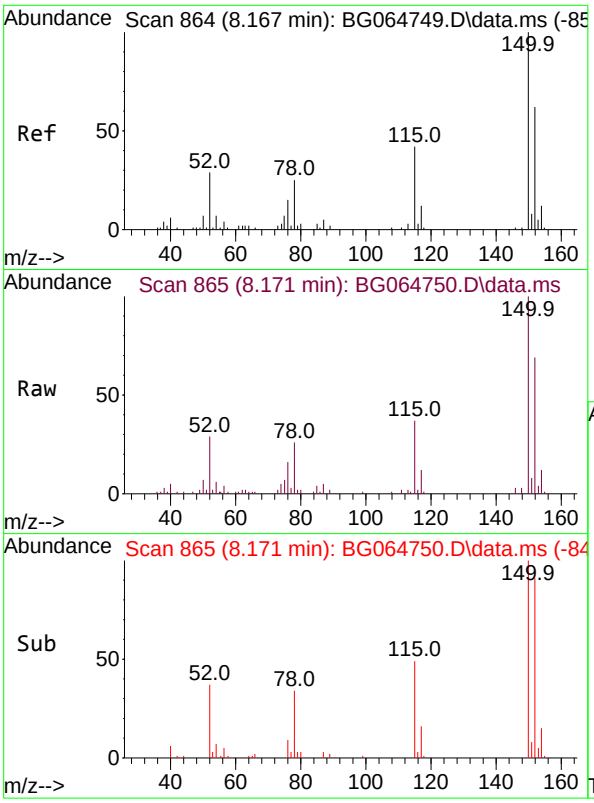
Quant Time: Nov 12 16:58:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

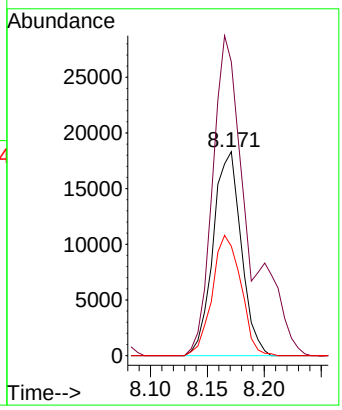




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.171 min Scan# 8
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:152 Resp: 3149

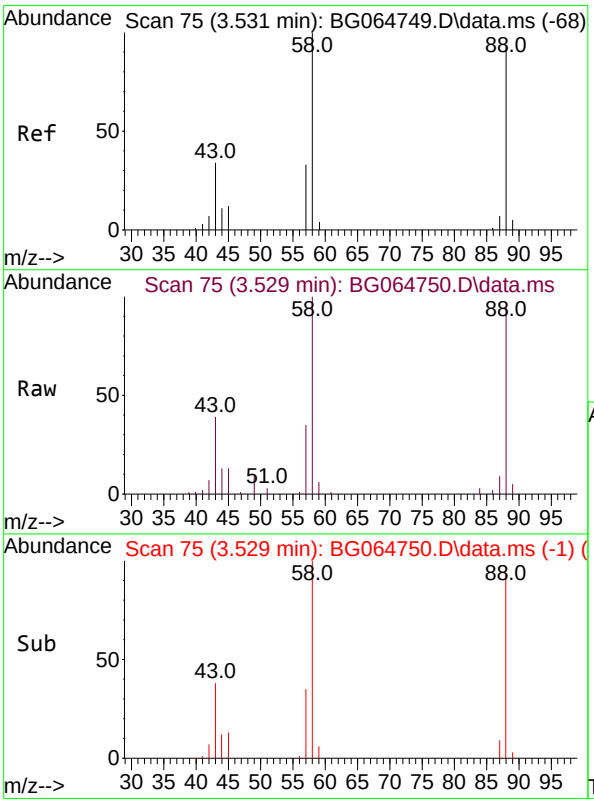
Ion	Ratio	Lower	Upper
152	100		
150	144.0	129.2	193.8
115	53.6	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

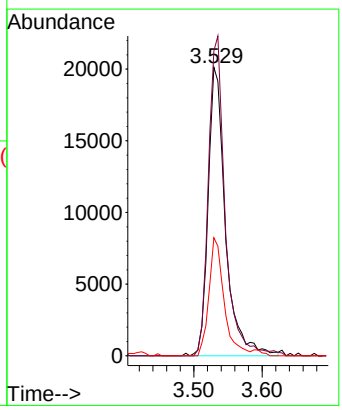
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

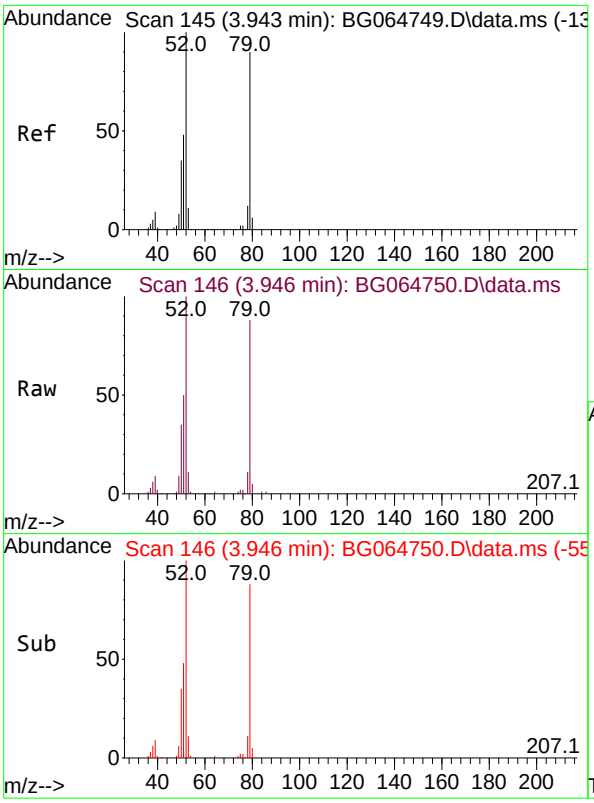


#2
1,4-Dioxane
Concen: 50.943 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 88 Resp: 35574

Ion	Ratio	Lower	Upper
88	100		
58	107.0	84.6	126.8
43	35.8	30.0	45.0

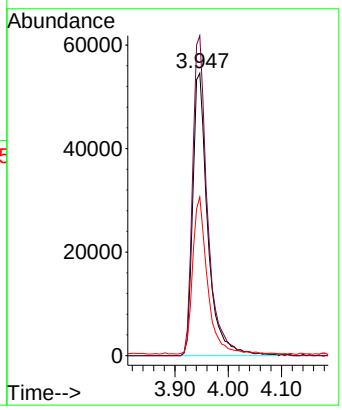




#3
Pyridine
Concen: 51.294 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 79 Resp: 10672

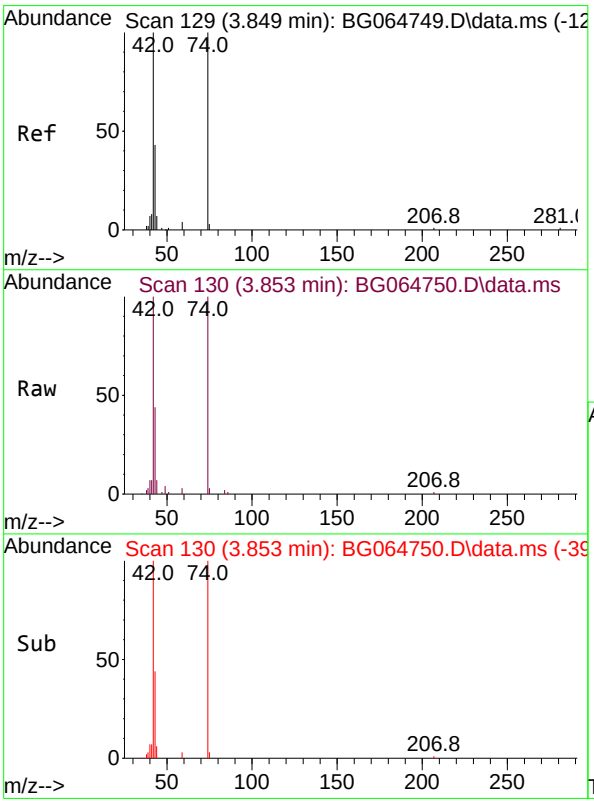
Ion	Ratio	Lower	Upper
79	100		
52	113.3	89.0	133.4
51	56.2	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

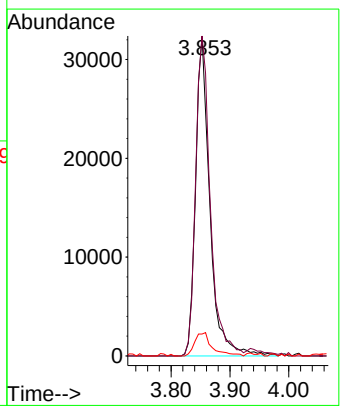
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

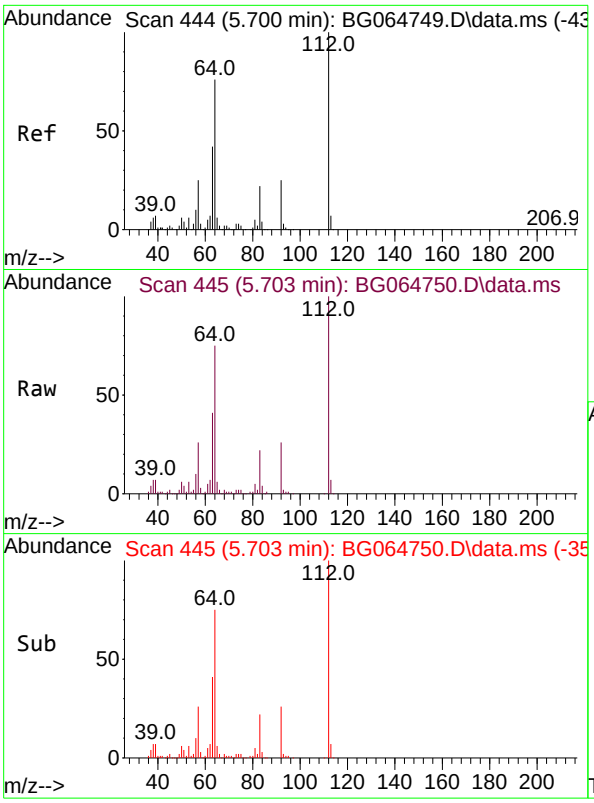


#4
n-Nitrosodimethylamine
Concen: 51.277 ng
RT: 3.853 min Scan# 130
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 42 Resp: 54302

Ion	Ratio	Lower	Upper
42	100		
74	100.1	79.8	119.6
44	6.8	5.9	8.9





#5
2-Fluorophenol
Concen: 103.119 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:112 Resp: 18600

Ion	Ratio	Lower	Upper
112	100		
64	75.5	61.0	91.4
63	40.5	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
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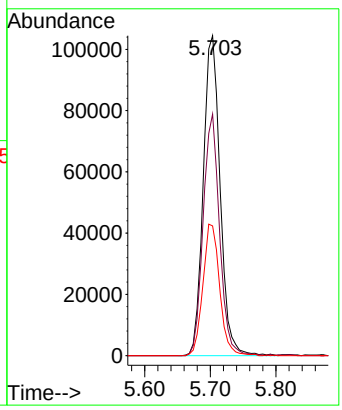
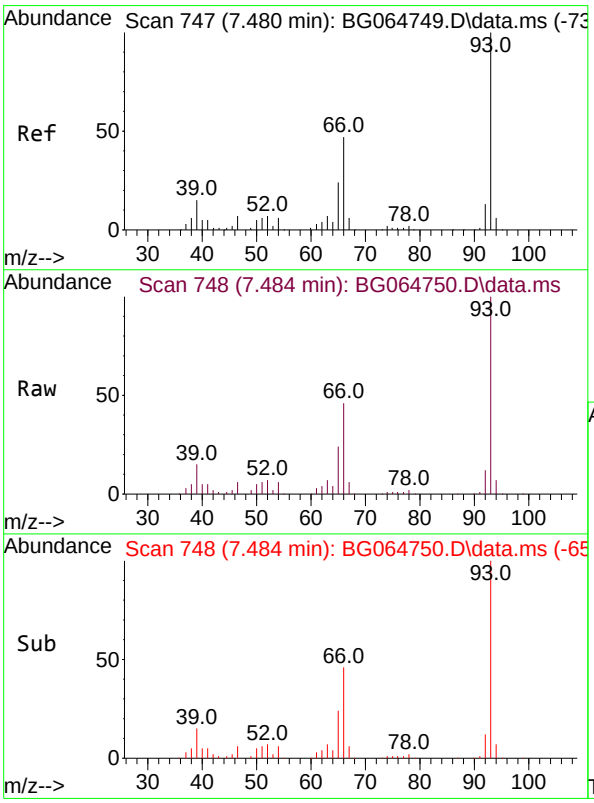
Supervised By :Sohil Jodhani 11/14/2025

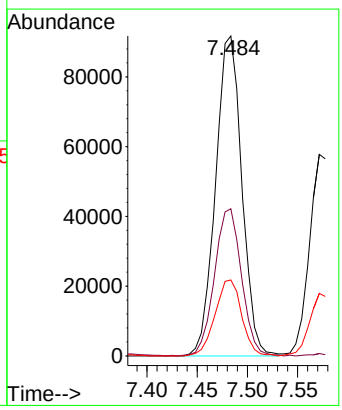


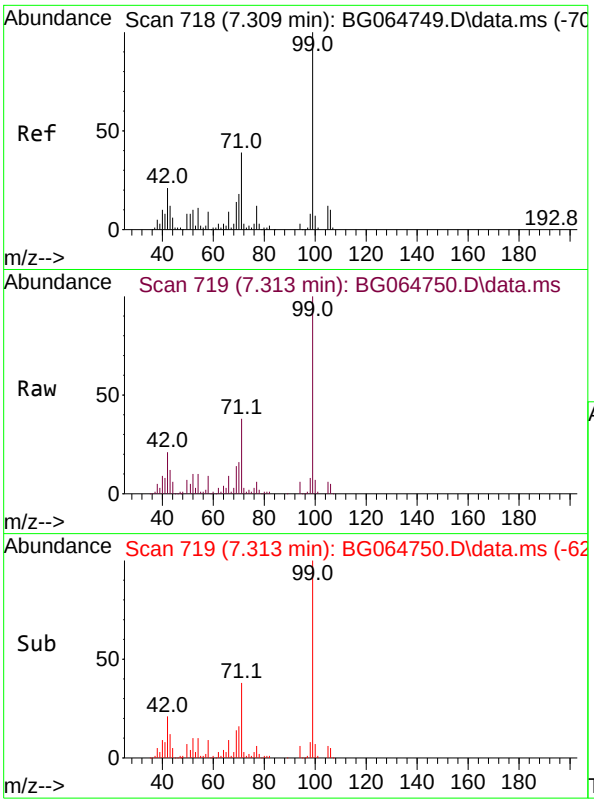


#6
Aniline
Concen: 52.339 ng
RT: 7.484 min Scan# 748
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 167371

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.7	56.5
65	23.7	19.1	28.7

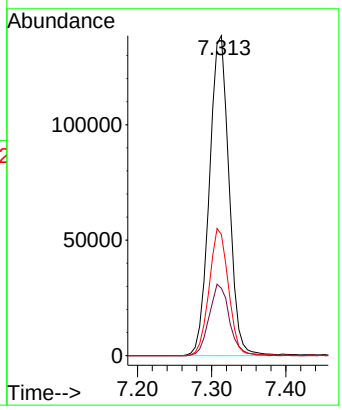




#7
Phenol-d6
Concen: 106.101 ng
RT: 7.313 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 99 Resp: 254548

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.8	25.2
71	37.8	31.1	46.7



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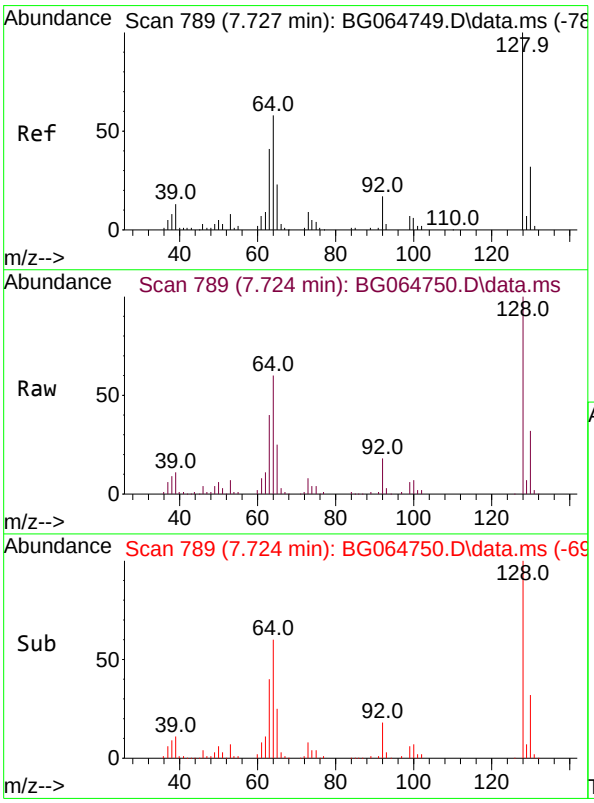
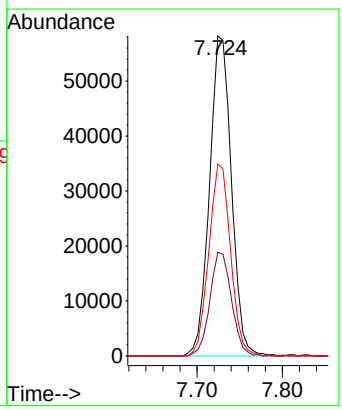
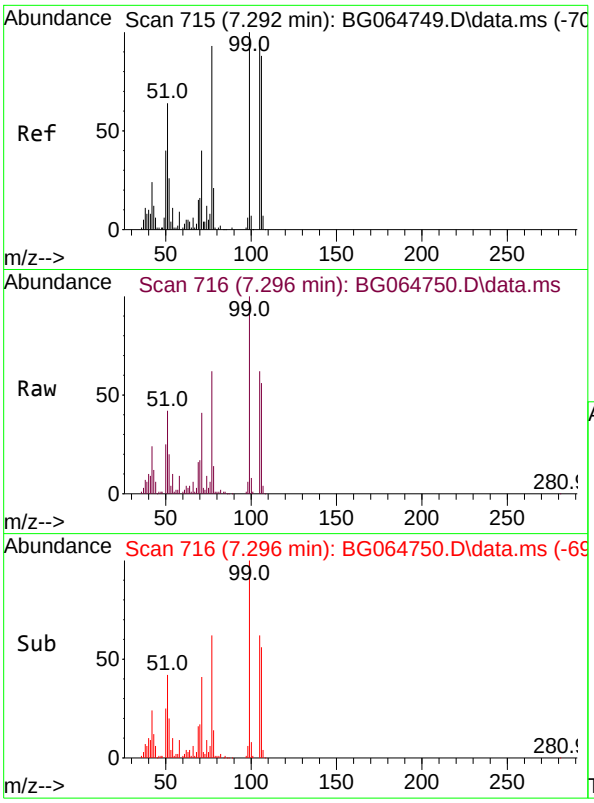


#8
2-Chlorophenol
Concen: 52.381 ng
RT: 7.724 min Scan# 789
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:128 Resp: 103747

Ion	Ratio	Lower	Upper
128	100		
130	32.4	11.9	51.9
64	60.0	38.4	78.4

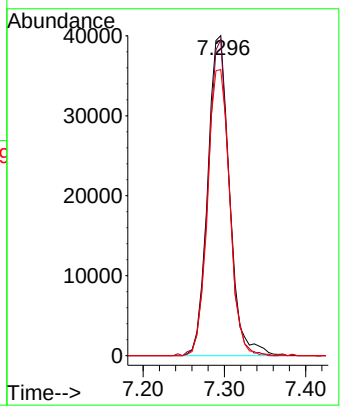




#9
Benzaldehyde
Concen: 47.601 ng
RT: 7.296 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 7475

Ion	Ratio	Lower	Upper
77	100		
105	98.7	83.8	123.8
106	89.4	74.3	114.3



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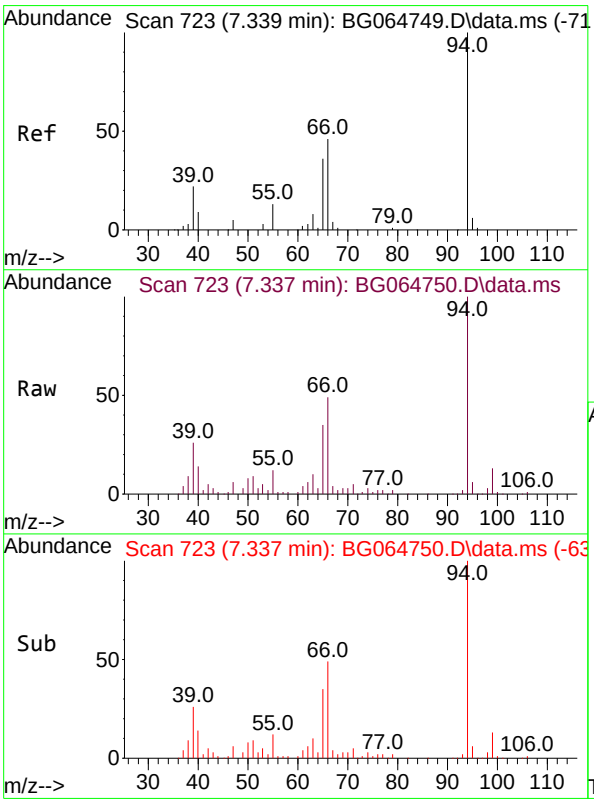
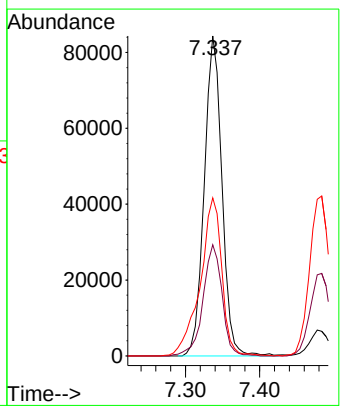
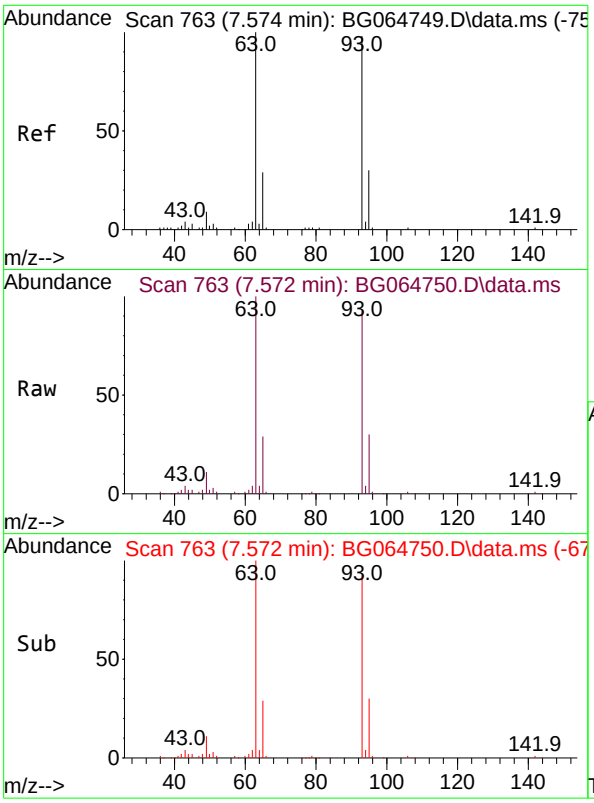


#10
Phenol
Concen: 53.508 ng
RT: 7.337 min Scan# 723
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 94 Resp: 139673

Ion	Ratio	Lower	Upper
94	100		
65	34.7	17.0	57.0
66	49.4	29.8	69.8

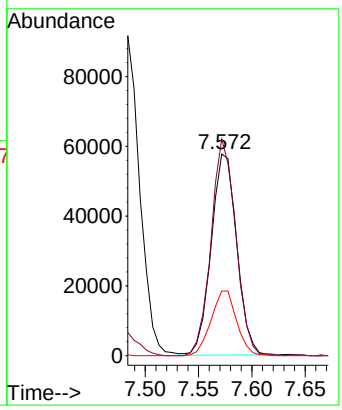




#11
bis(2-Chloroethyl)ether
Concen: 51.898 ng
RT: 7.572 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 9639

Ion	Ratio	Lower	Upper
93	100		
63	107.5	81.8	121.8
95	32.0	10.3	50.3



Instrument :
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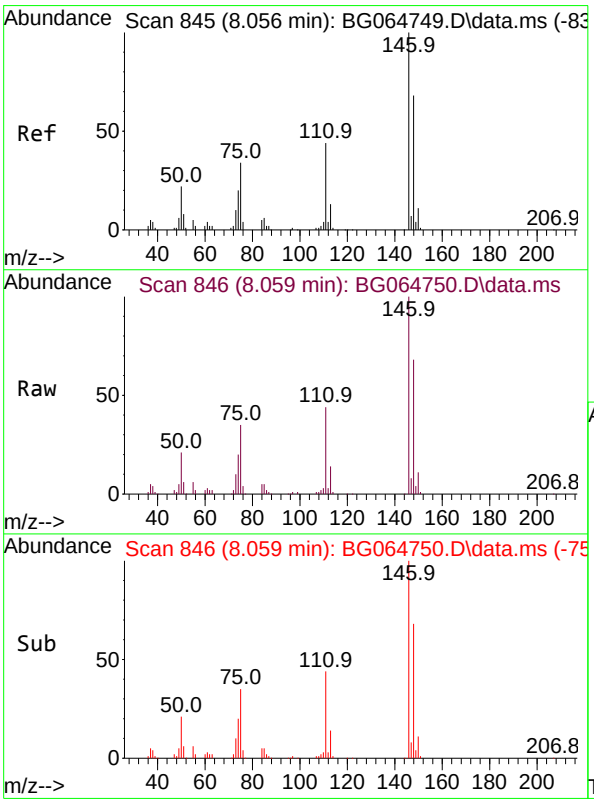
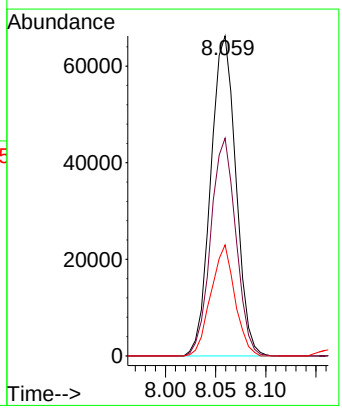
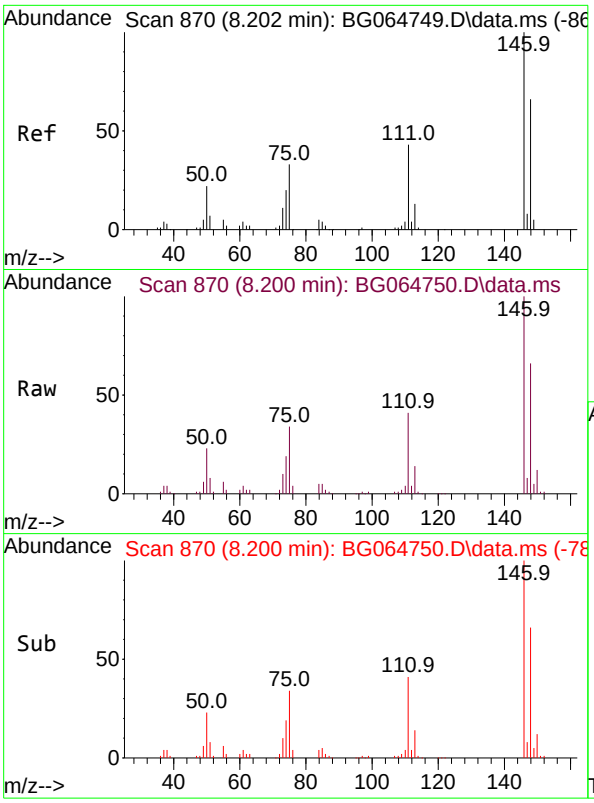


#12
1,3-Dichlorobenzene
Concen: 50.671 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 115482

Ion	Ratio	Lower	Upper
146	100		
148	68.0	54.6	82.0
75	34.7	27.6	41.4

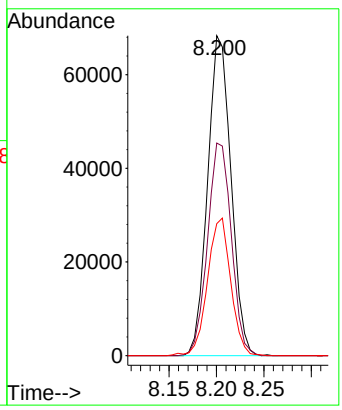




#13
1,4-Dichlorobenzene
Concen: 50.387 ng
RT: 8.200 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 11693

Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	41.2	34.1	51.1



Instrument :
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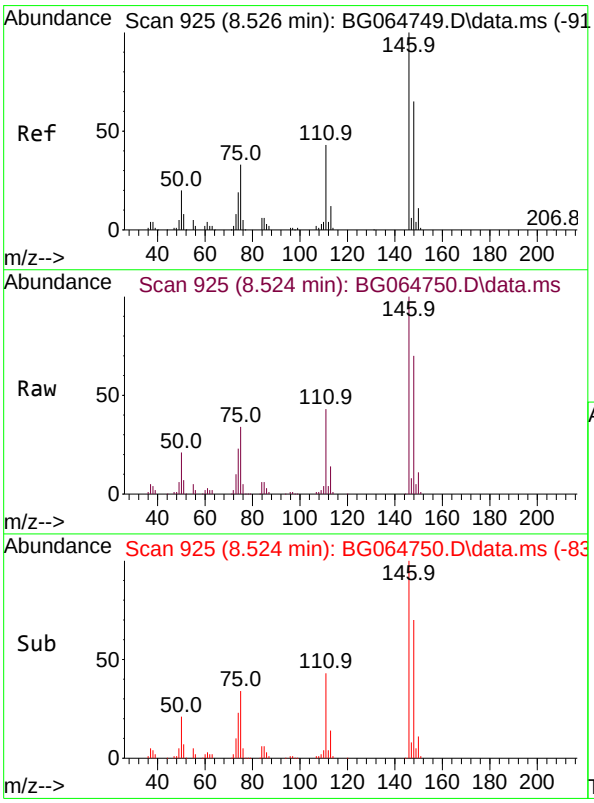
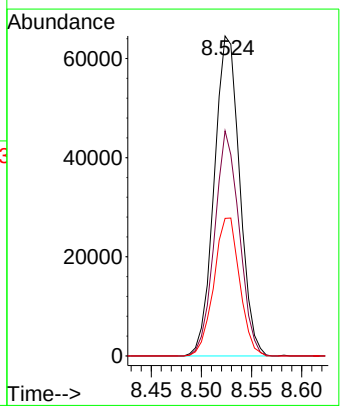
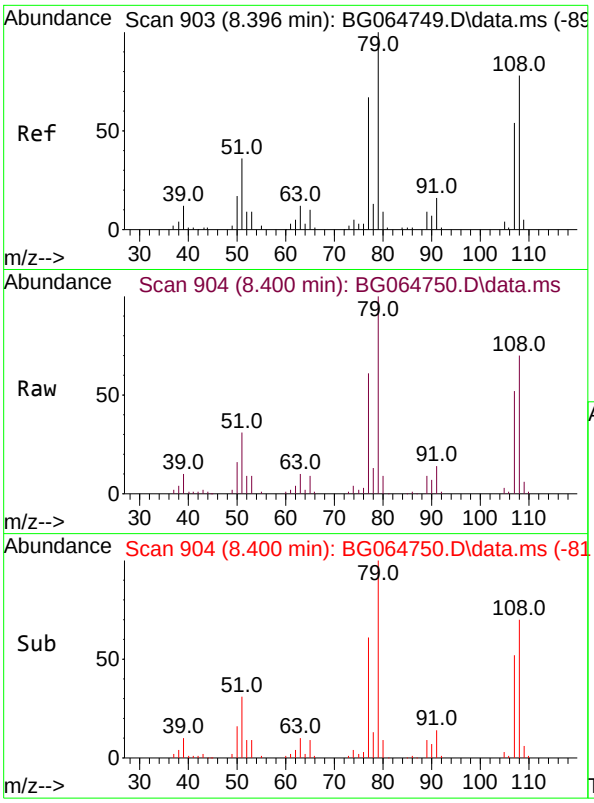


#14
1,2-Dichlorobenzene
Concen: 50.623 ng
RT: 8.524 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:146 Resp: 113910

Ion	Ratio	Lower	Upper
146	100		
148	70.3	52.0	78.0
111	43.0	34.7	52.1

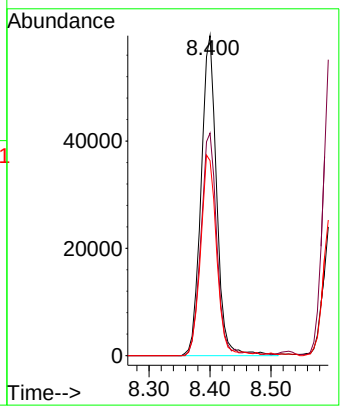




#15
Benzyl Alcohol
Concen: 53.506 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 79 Resp: 10536

Ion	Ratio	Lower	Upper
79	100		
108	69.5	62.3	93.5
77	60.9	53.5	80.3



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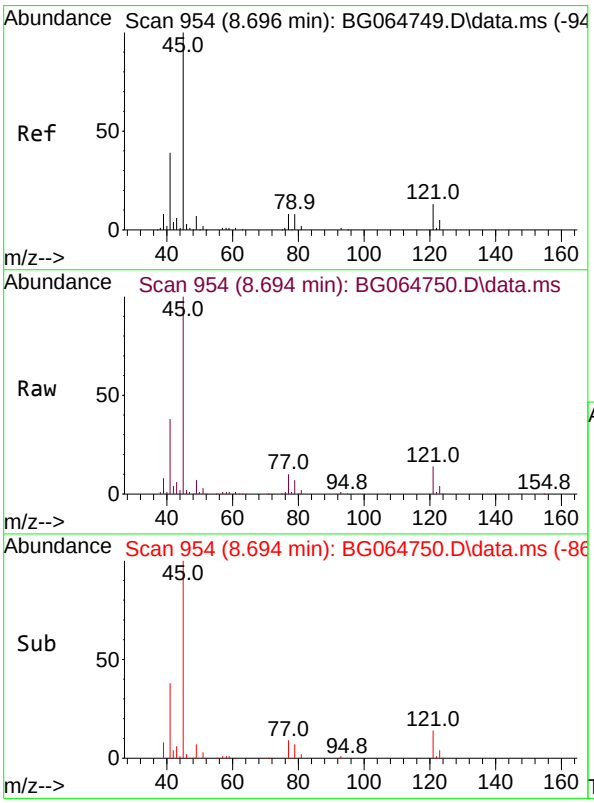
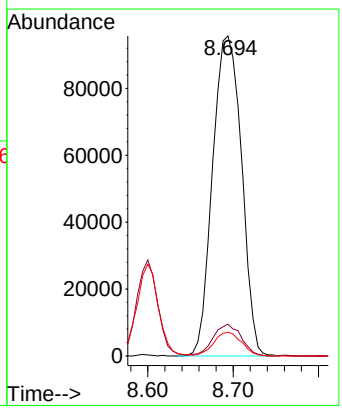
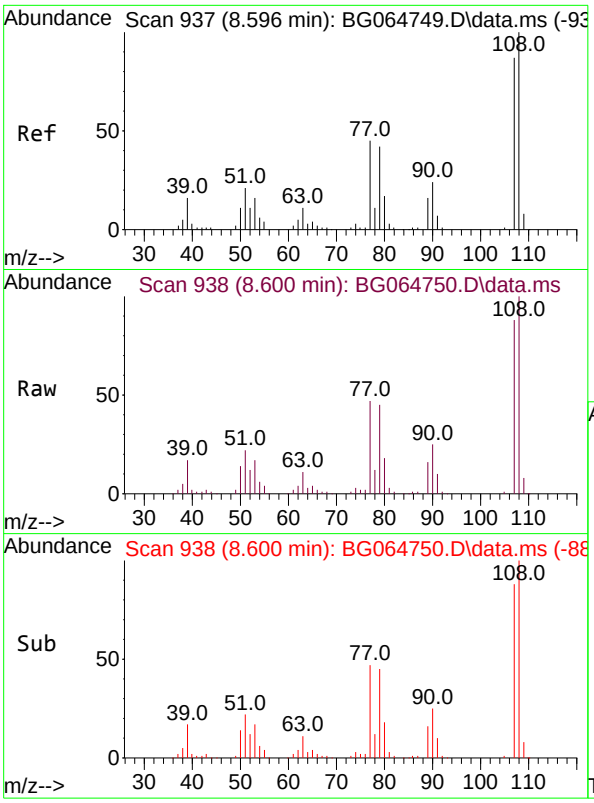


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.240 ng
RT: 8.694 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 45 Resp: 225281

Ion	Ratio	Lower	Upper
45	100		
77	9.9	0.0	28.8
79	7.4	0.0	28.1

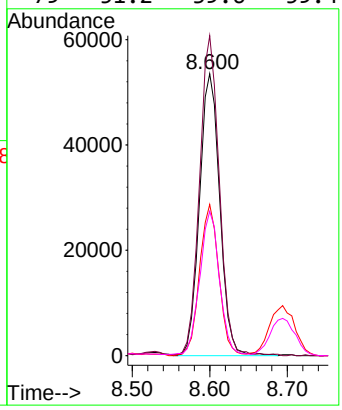




#17
2-Methylphenol
Concen: 52.602 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 9715

Ion	Ratio	Lower	Upper
107	100		
108	113.6	92.6	138.8
77	53.6	41.2	61.8
79	51.2	39.6	59.4



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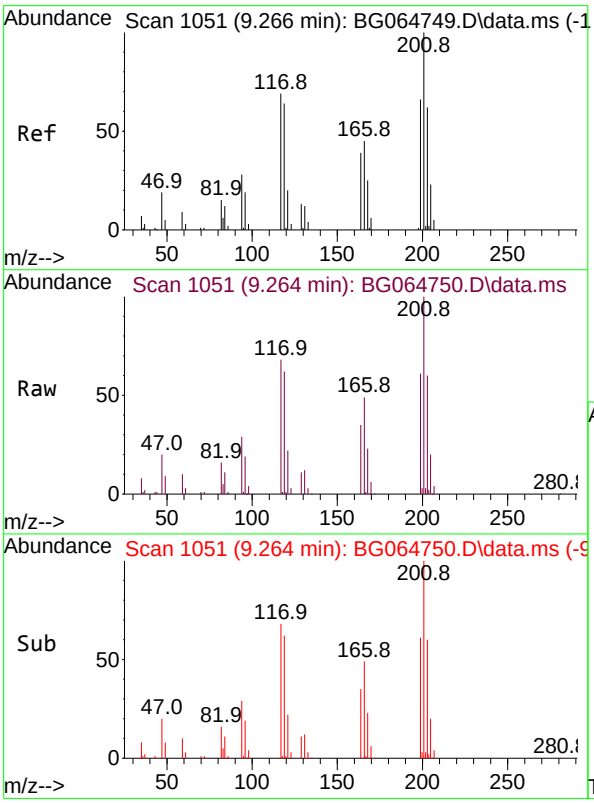
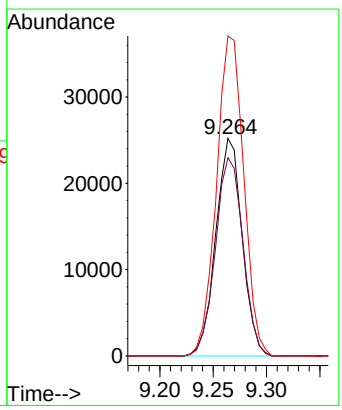
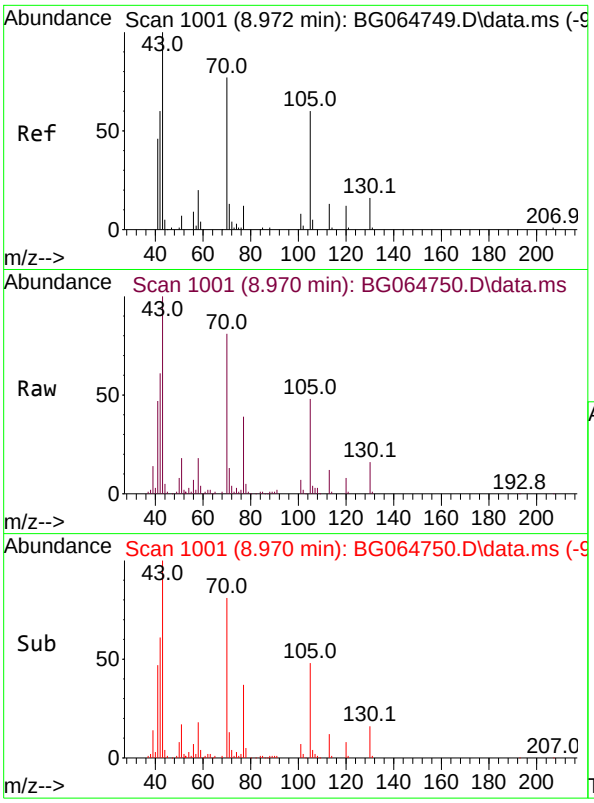


#18
Hexachloroethane
Concen: 49.245 ng
RT: 9.264 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:117 Resp: 43284

Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.4	111.6
201	144.6	116.5	174.7

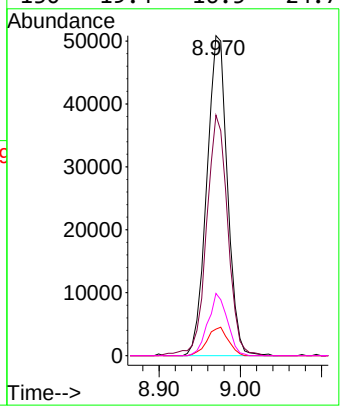




#19
n-Nitroso-di-n-propylamine
Concen: 55.264 ng
RT: 8.970 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 70 Resp: 8964

Ion	Ratio	Lower	Upper
70	100		
42	75.1	62.6	93.8
101	8.3	8.0	12.0
130	19.4	16.5	24.7



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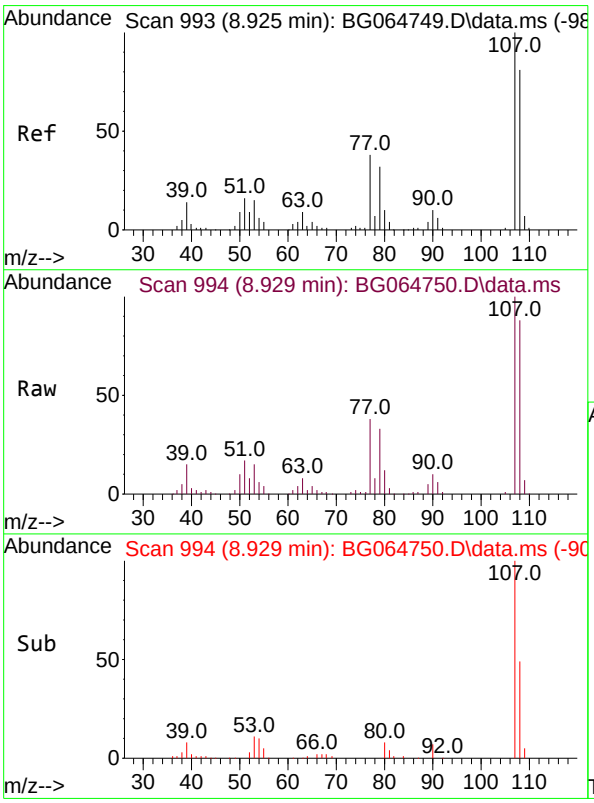
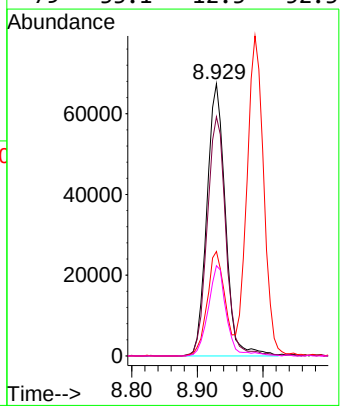
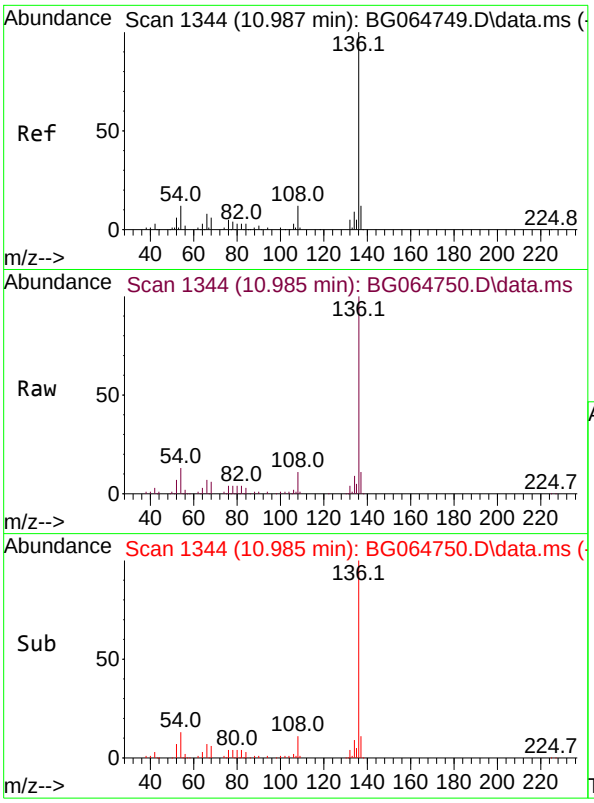


#20
3+4-Methylphenols
Concen: 51.964 ng
RT: 8.929 min Scan# 994
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 131483

Ion	Ratio	Lower	Upper
107	100		
108	87.9	61.0	101.0
77	38.3	17.6	57.6
79	33.1	12.3	52.3

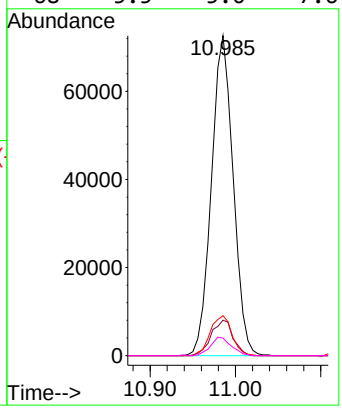




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:136 Resp: 12856

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	12.5	9.3	13.9
68	5.5	5.0	7.6



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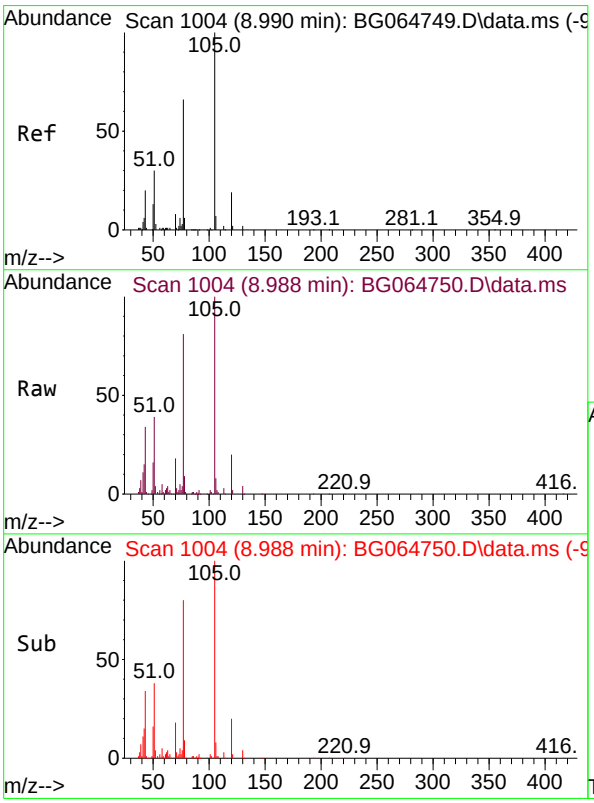
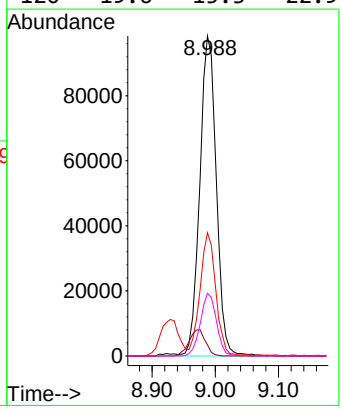
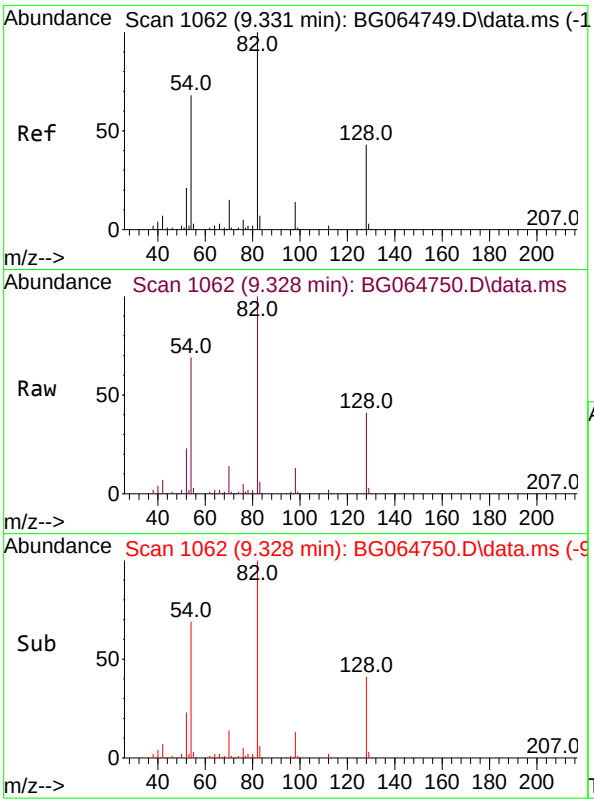


#22
Acetophenone
Concen: 50.911 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:105 Resp: 178320

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.3	1.9#
51	38.5	27.9	41.9
120	19.6	15.3	22.9

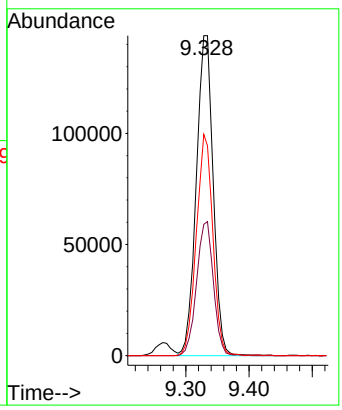




#23
Nitrobenzene-d5
Concen: 102.828 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 82 Resp: 26737

Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.1	51.1
54	69.1	54.3	81.5



Instrument :
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ClientSampleId :
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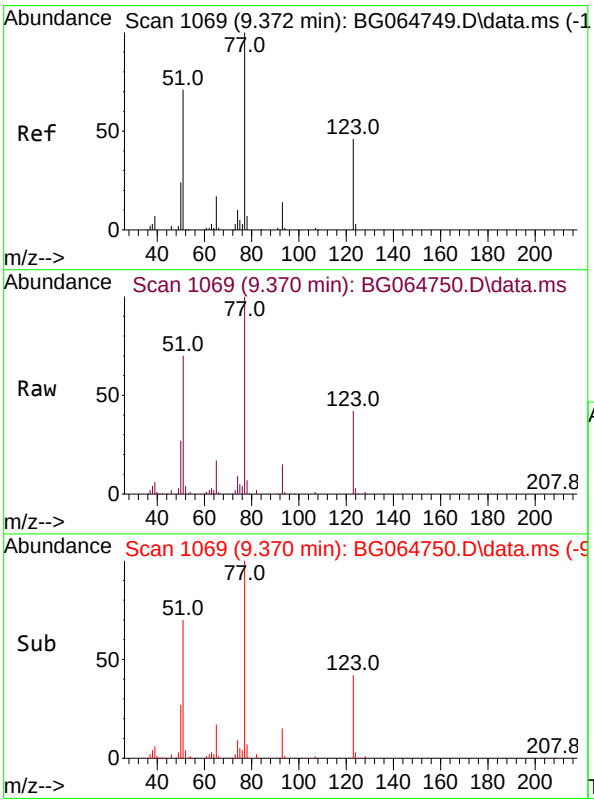
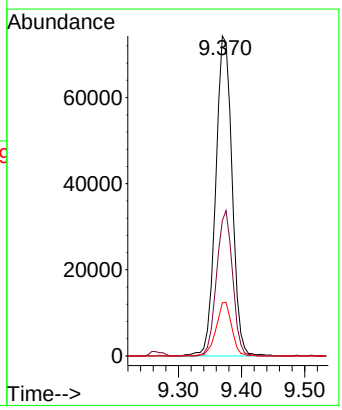
Supervised By :Sohil Jodhani 11/14/2025

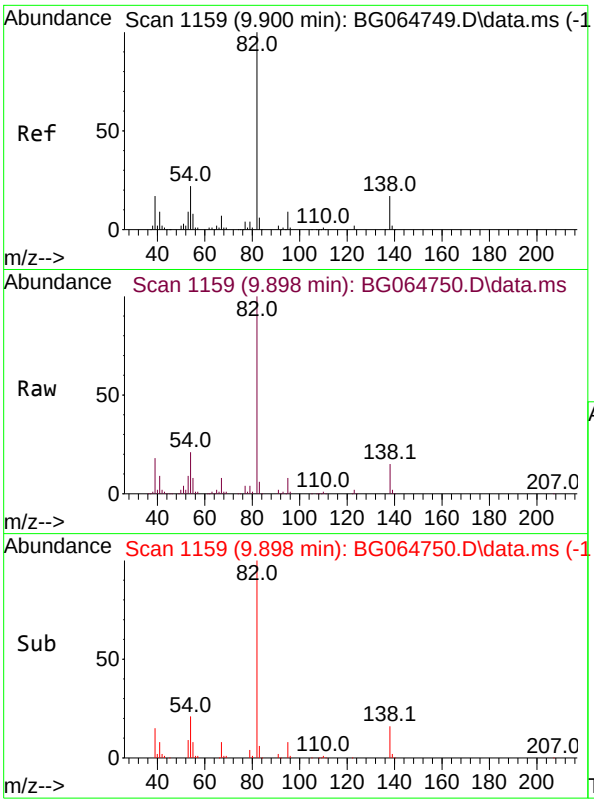


#24
Nitrobenzene
Concen: 50.970 ng
RT: 9.370 min Scan# 1069
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 133911

Ion	Ratio	Lower	Upper
77	100		
123	42.3	36.5	54.7
65	16.6	13.5	20.3

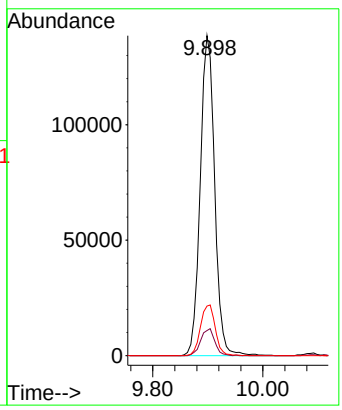




#25
Isophorone
Concen: 50.959 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 82 Resp: 25233

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.9	10.3
138	15.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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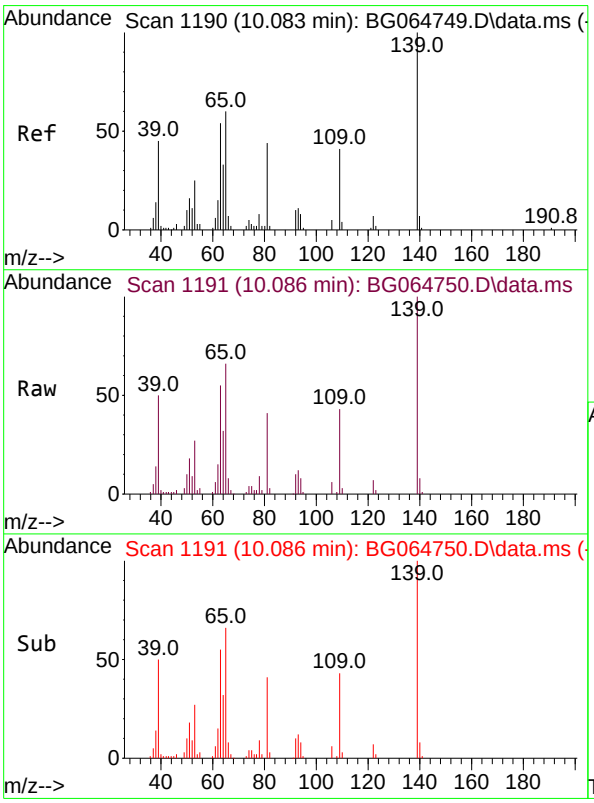
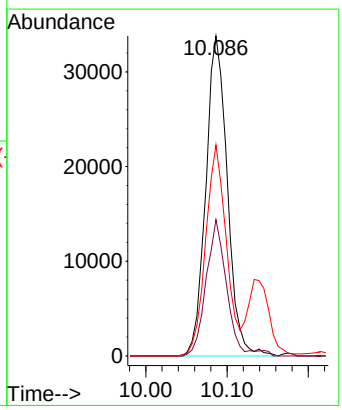
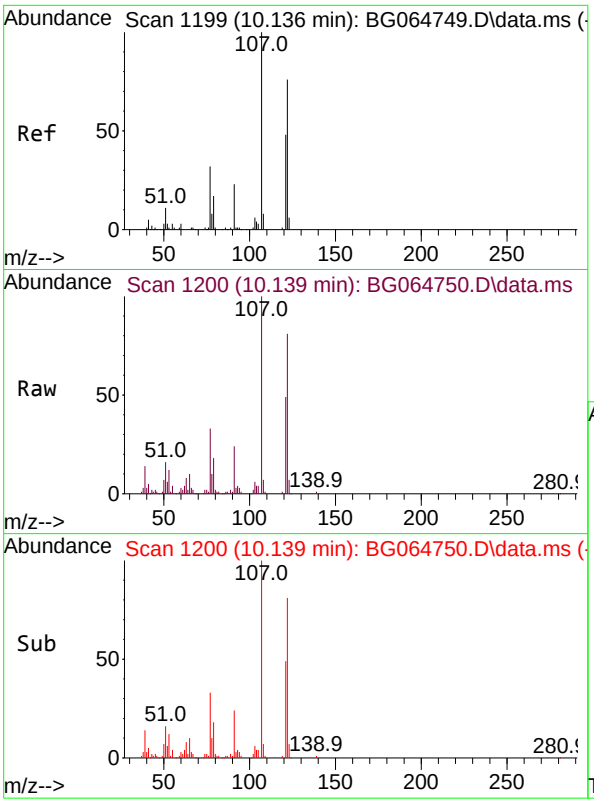


#26
2-Nitrophenol
Concen: 52.701 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:139 Resp: 62279

Ion	Ratio	Lower	Upper
139	100		
109	42.6	32.5	48.7
65	65.9	47.6	71.4

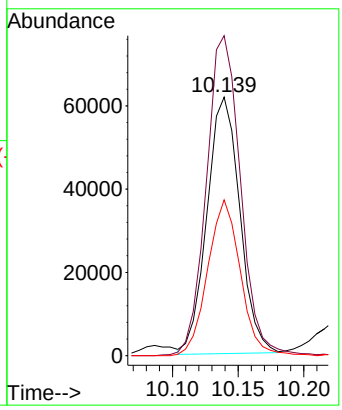




#27
2,4-Dimethylphenol
Concen: 51.169 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:122 Resp: 10742

Ion	Ratio	Lower	Upper
122	100		
107	123.8	102.5	153.7
121	60.3	49.0	73.6



Instrument :
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ClientSampleId :
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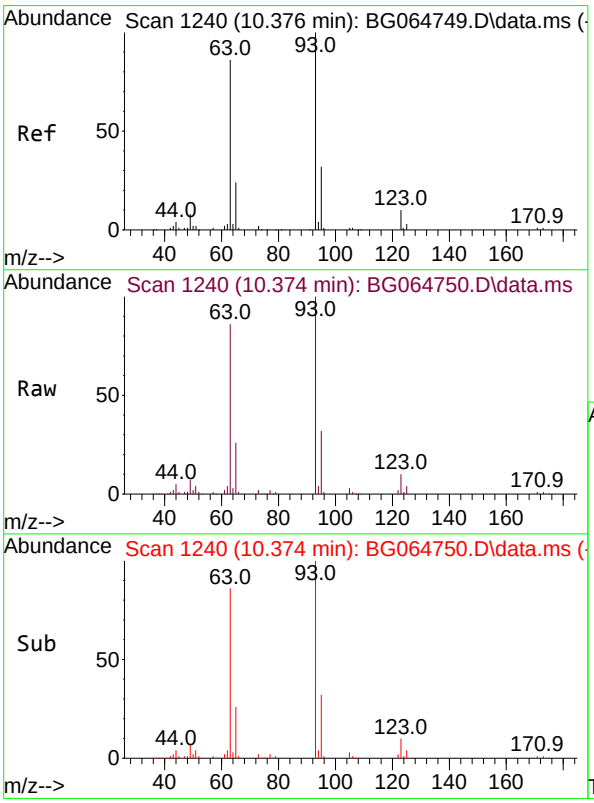
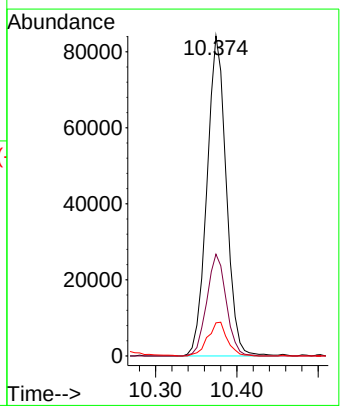
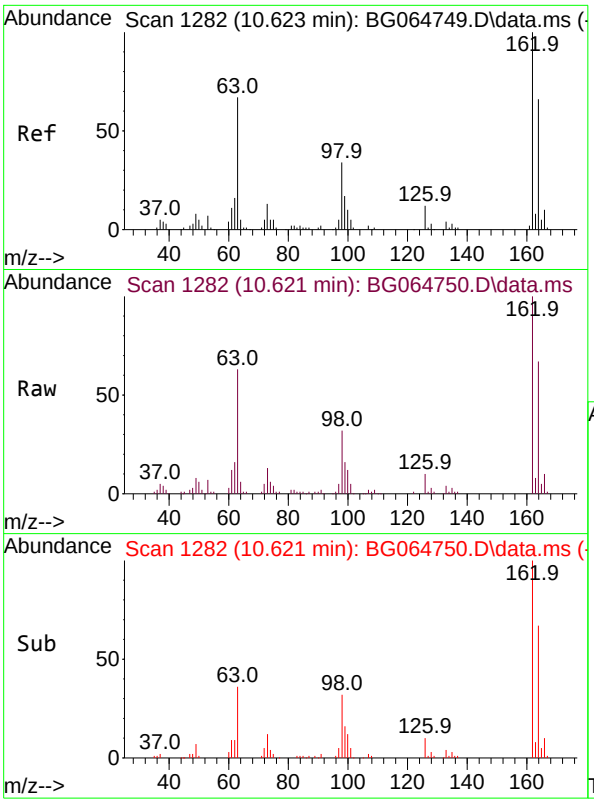


#28
bis(2-Chloroethoxy)methane
Concen: 51.040 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 93 Resp: 138748

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.3	8.1	12.1

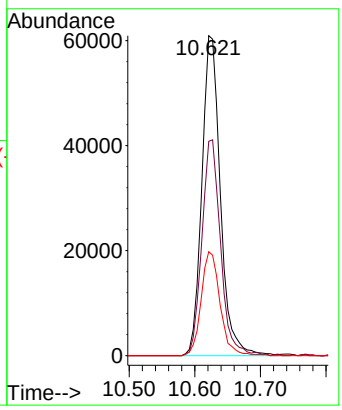




#29
2,4-Dichlorophenol
Concen: 52.879 ng
RT: 10.621 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:162 Resp: 11918

Ion	Ratio	Lower	Upper
162	100		
164	67.0	46.0	86.0
98	32.5	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
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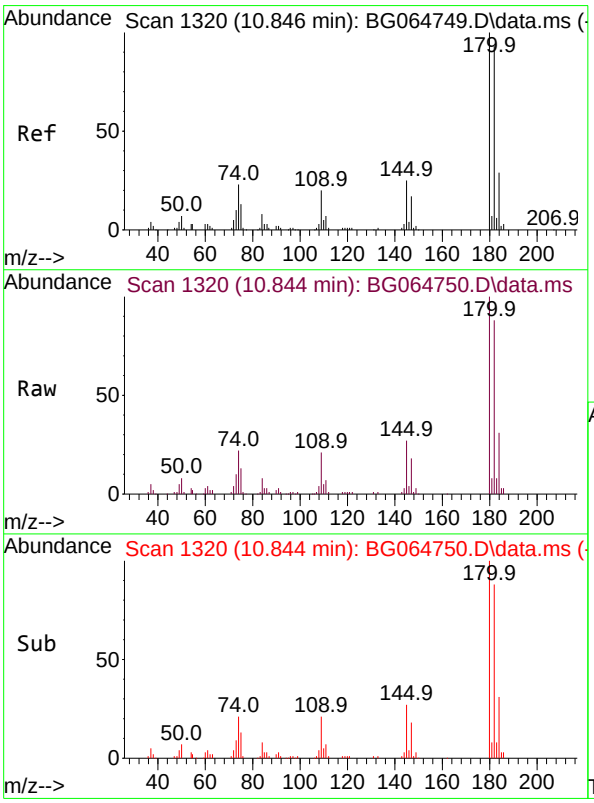
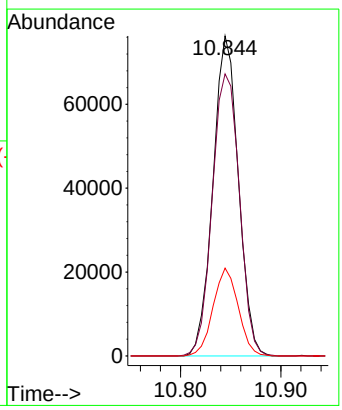
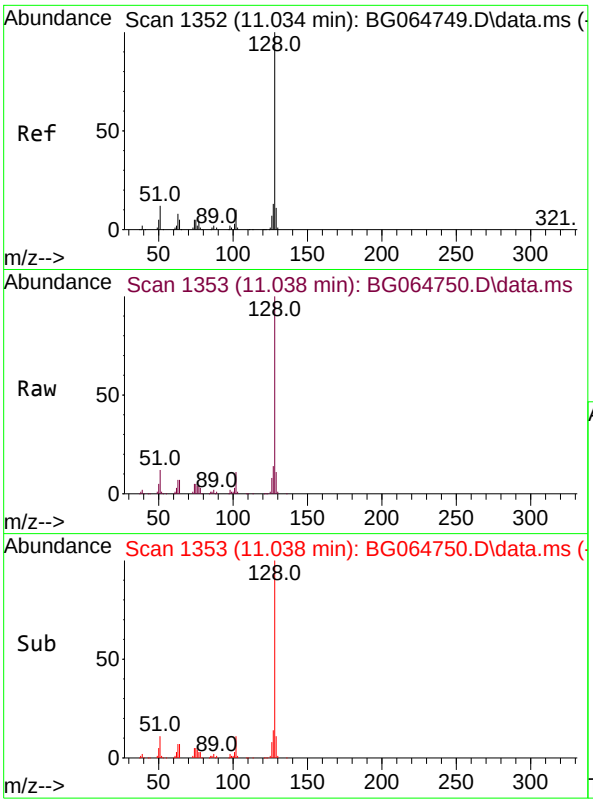


#30
1,2,4-Trichlorobenzene
Concen: 49.384 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:180 Resp: 134410

Ion	Ratio	Lower	Upper
180	100		
182	88.1	74.2	111.4
145	27.4	20.0	30.0

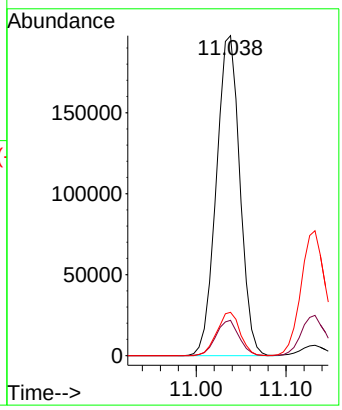




#31
Naphthalene
Concen: 49.504 ng
RT: 11.038 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:128 Resp: 360779

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.5	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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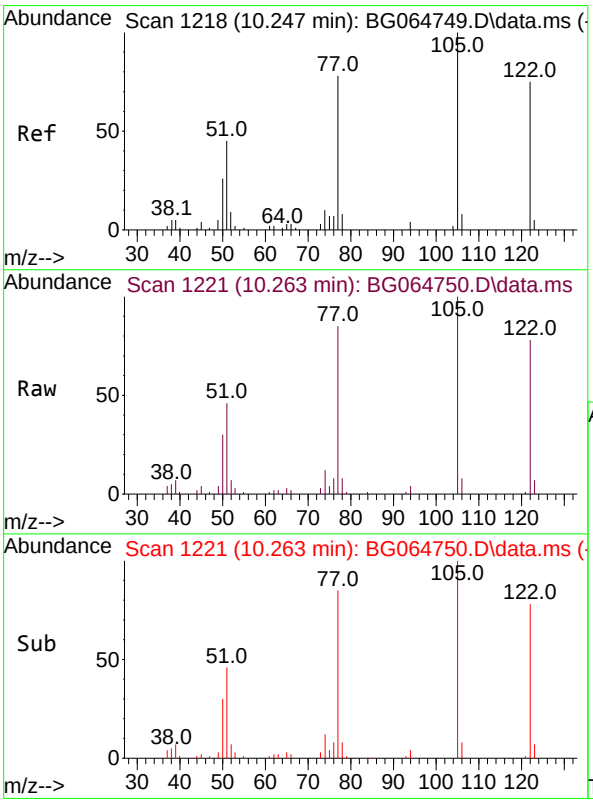
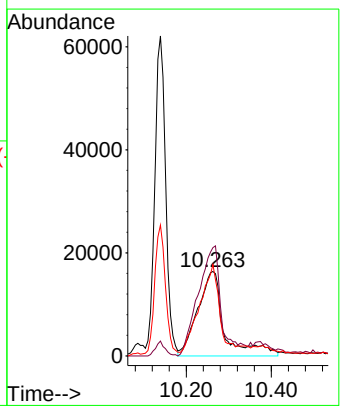
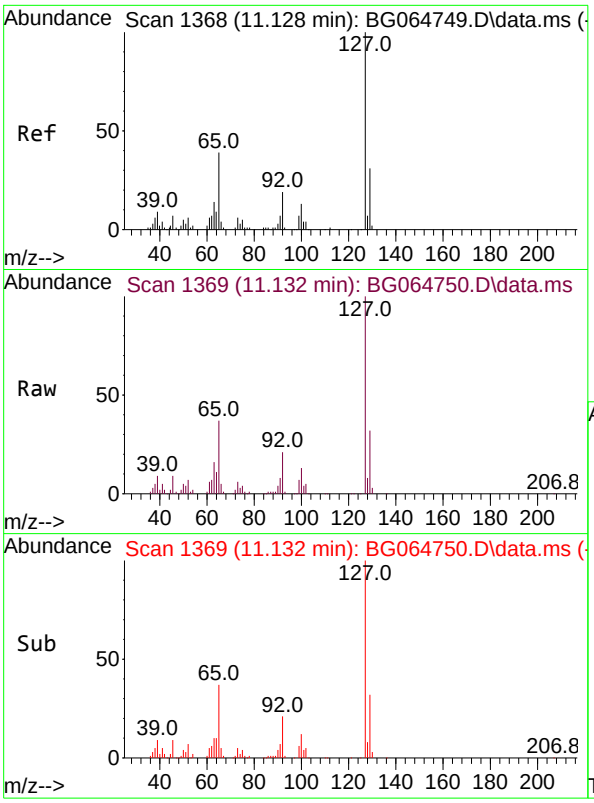


#32
Benzoic acid
Concen: 47.913 ng m
RT: 10.263 min Scan# 1221
Delta R.T. 0.016 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:122 Resp: 71126

Ion	Ratio	Lower	Upper
122	100		
105	128.2	107.6	147.6
77	108.4	82.5	122.5

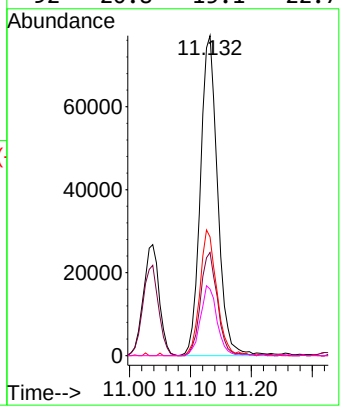




#33
4-Chloroaniline
Concen: 52.089 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:127 Resp: 15185

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	37.1	30.9	46.3
92	20.8	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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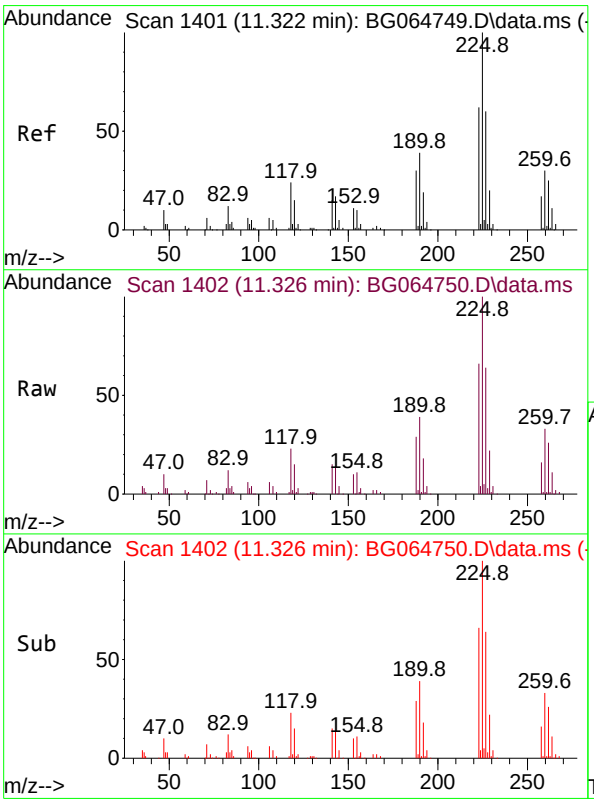
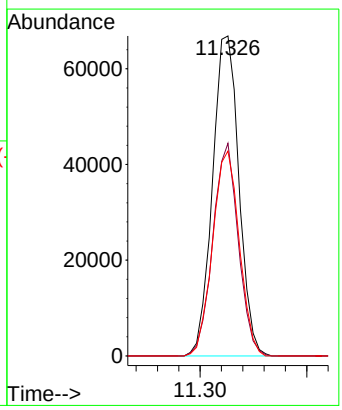
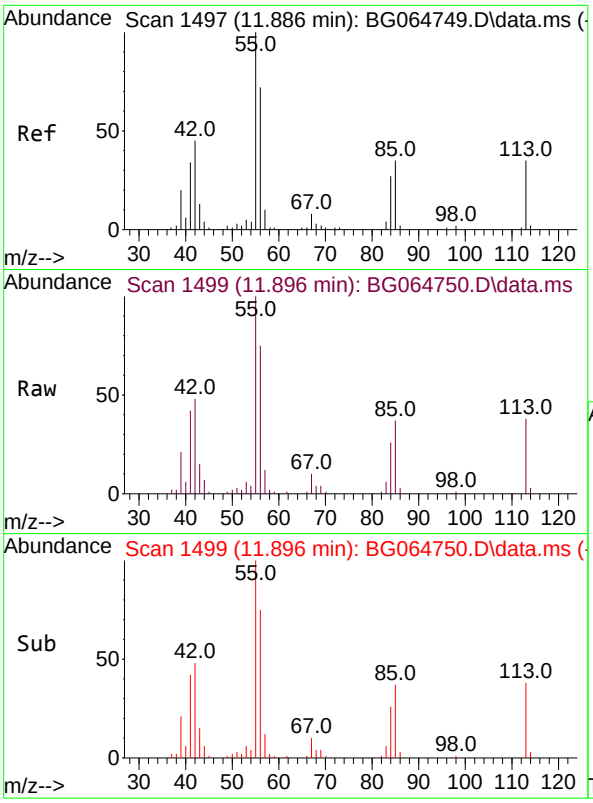


#34
Hexachlorobutadiene
Concen: 49.215 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:225 Resp: 114930

Ion	Ratio	Lower	Upper
225	100		
223	67.1	49.9	74.9
227	63.9	50.6	75.8

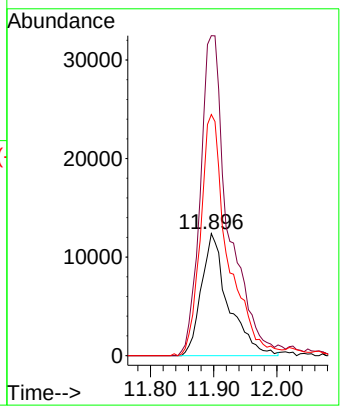




#35
Caprolactam
Concen: 54.473 ng
RT: 11.896 min Scan# 14
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:113 Resp: 3669

Ion	Ratio	Lower	Upper
113	100		
55	262.3	263.7	303.7#
56	197.6	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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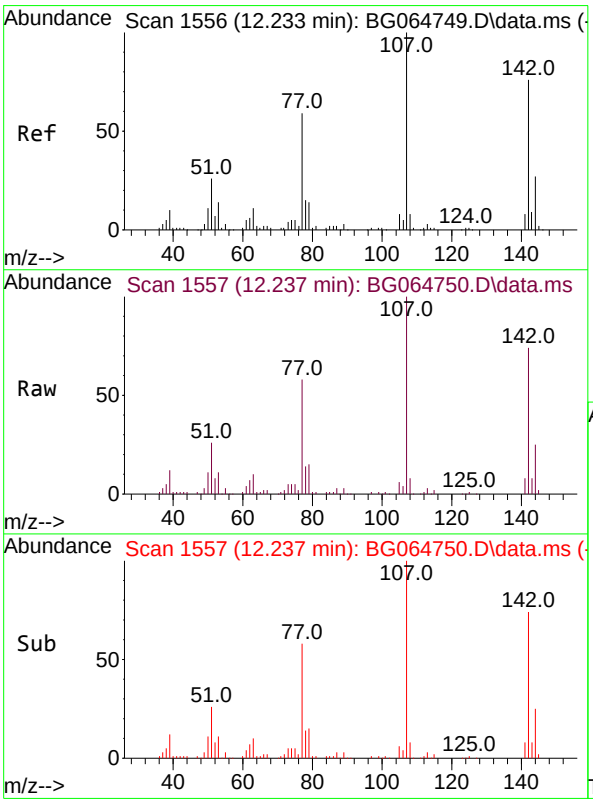
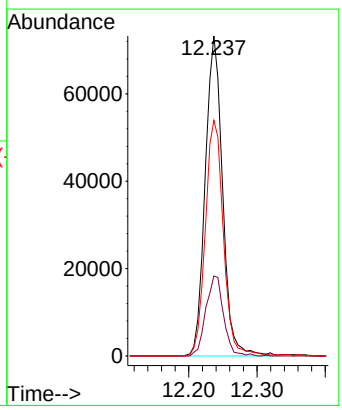
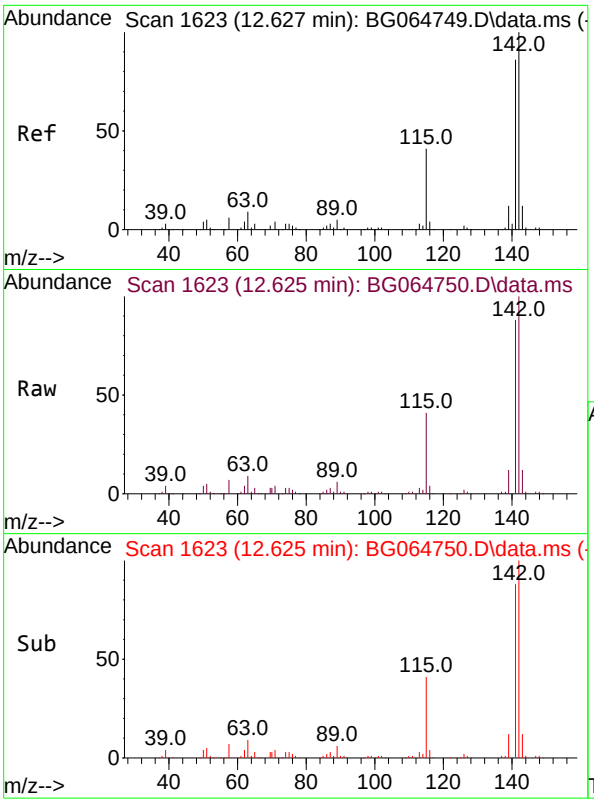


#36
4-Chloro-3-methylphenol
Concen: 51.523 ng
RT: 12.237 min Scan# 1557
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:107 Resp: 129260

Ion	Ratio	Lower	Upper
107	100		
144	25.0	21.7	32.5
142	73.6	60.8	91.2

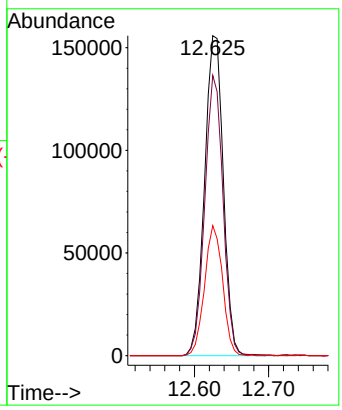




#37
2-Methylnaphthalene
Concen: 50.088 ng
RT: 12.625 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:142 Resp: 27316

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.1	103.7
115	40.6	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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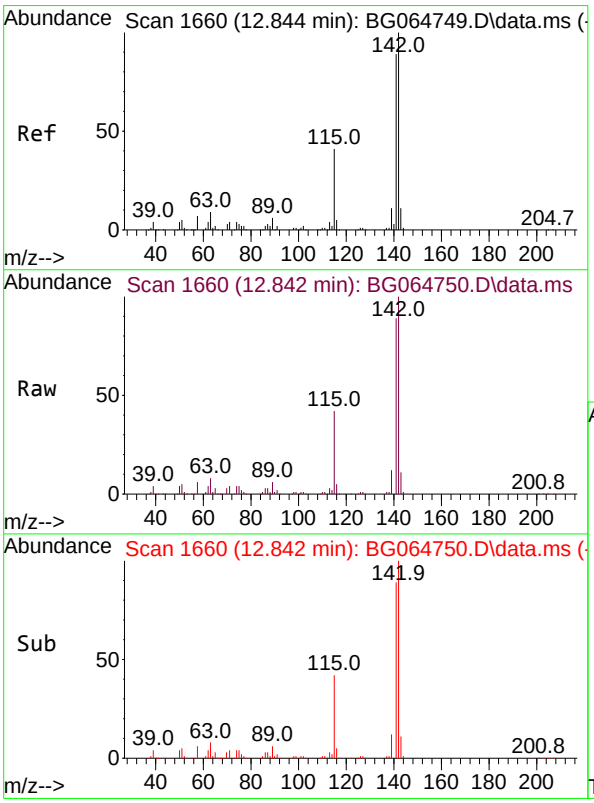
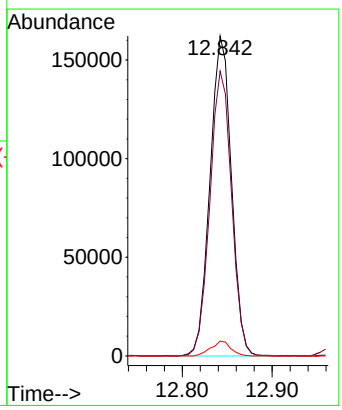
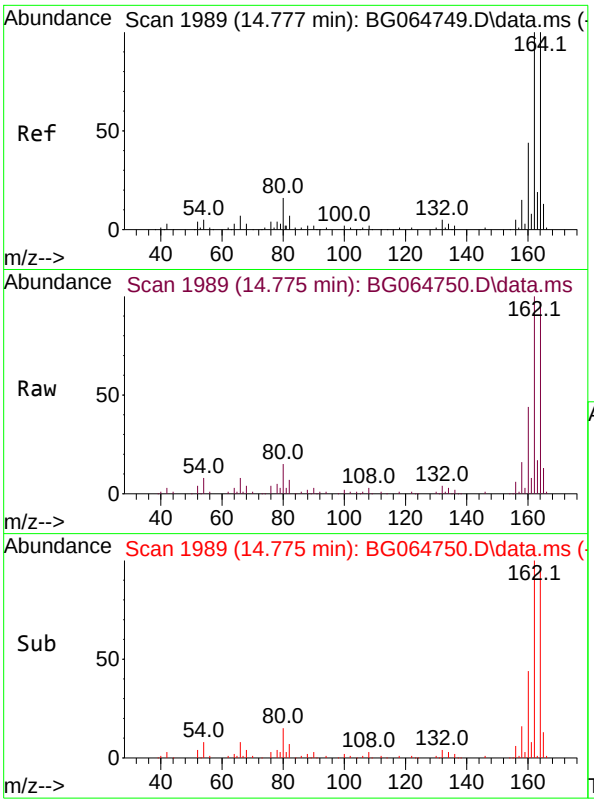


#38
1-Methylnaphthalene
Concen: 49.540 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:142 Resp: 268378

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
116	4.7	3.7	5.5

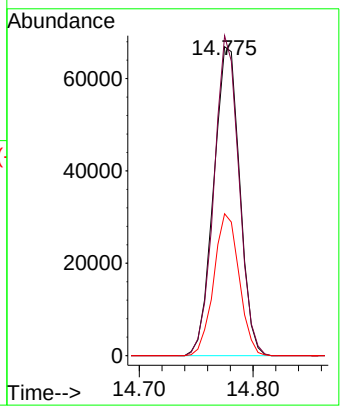




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:164 Resp: 10643

Ion	Ratio	Lower	Upper
164	100		
162	103.6	79.8	119.6
160	45.9	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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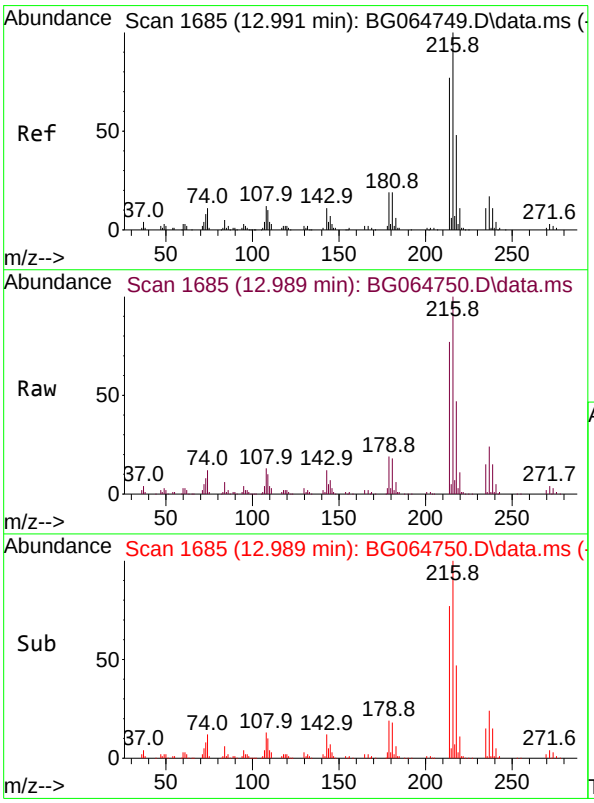
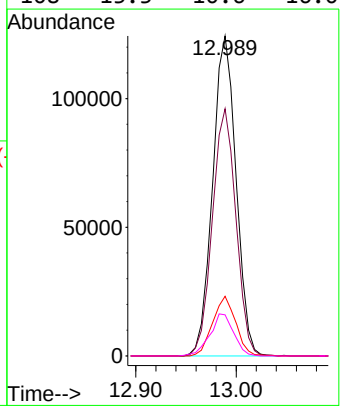
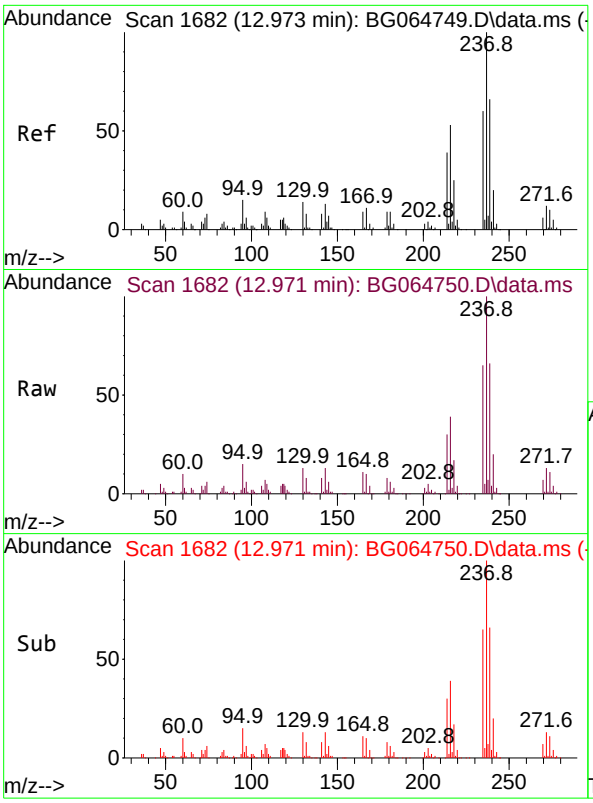


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.764 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:216 Resp: 201992

Ion	Ratio	Lower	Upper
216	100		
214	77.5	60.5	90.7
179	18.3	14.7	22.1
108	13.3	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 49.948 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:237 Resp: 14830

Ion	Ratio	Lower	Upper
237	100		
235	65.0	40.2	80.2
272	13.0	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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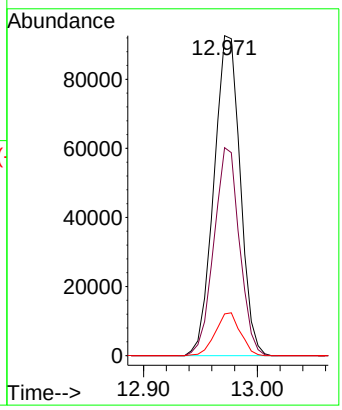
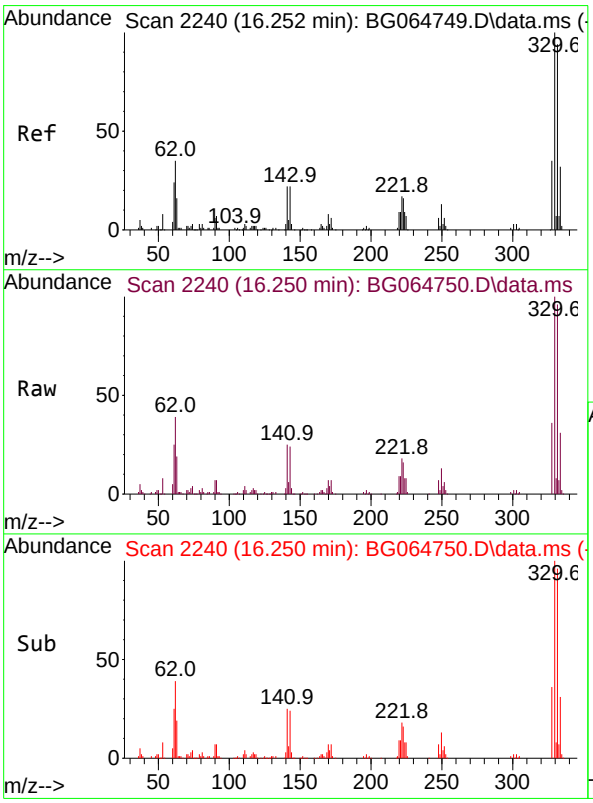
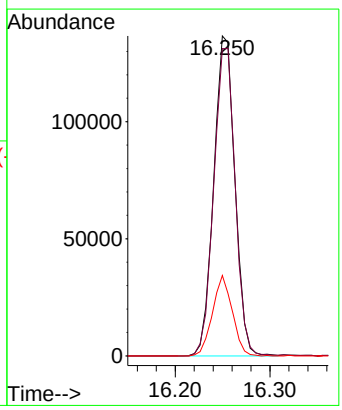


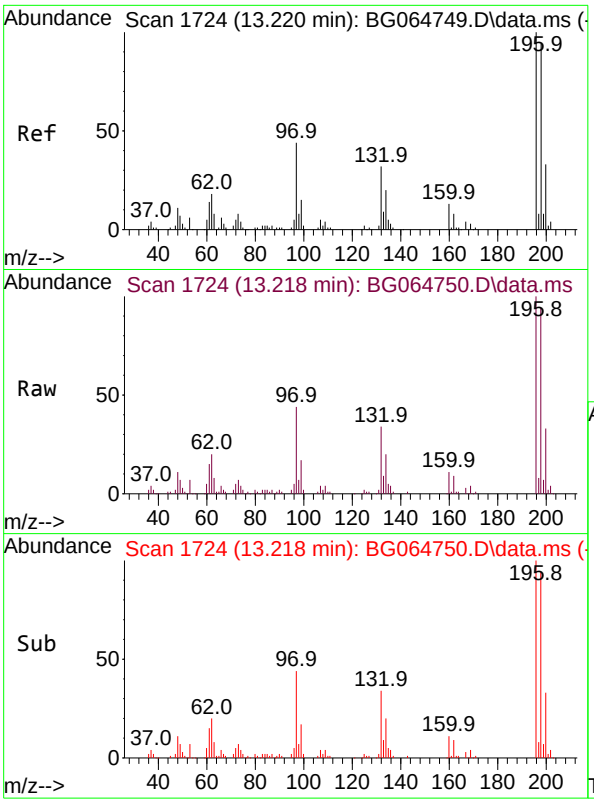


#42
2,4,6-Tribromophenol
Concen: 101.964 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:330 Resp: 211663

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	23.5	18.2	27.2

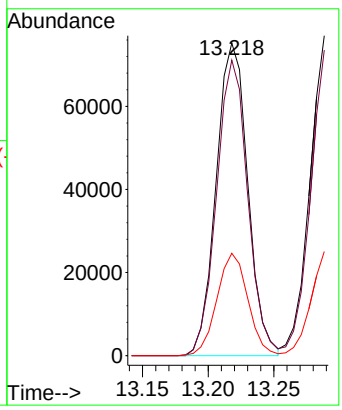




#43
2,4,6-Trichlorophenol
Concen: 51.912 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:196 Resp: 12620

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.3	112.9
200	32.7	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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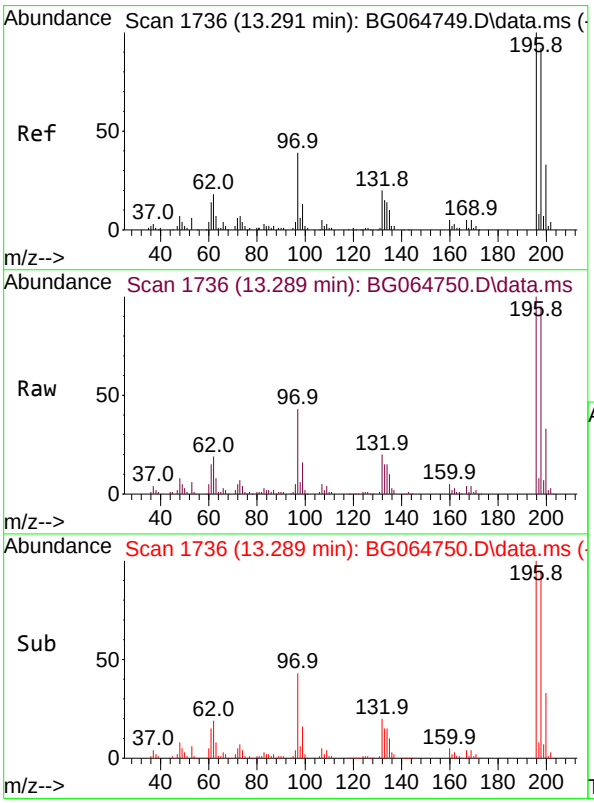
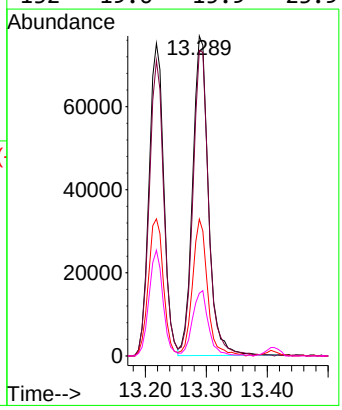
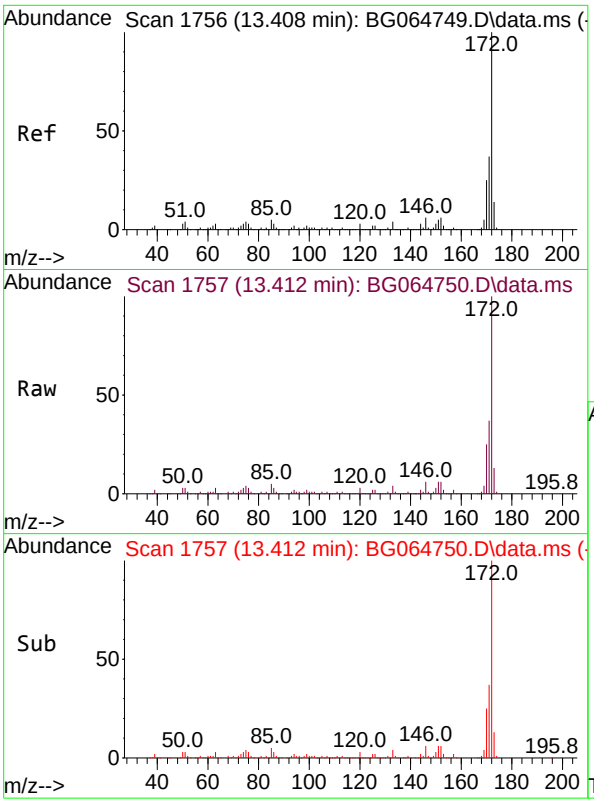


#44
2,4,5-Trichlorophenol
Concen: 50.724 ng
RT: 13.289 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:196 Resp: 138309

Ion	Ratio	Lower	Upper
196	100		
198	95.5	73.2	109.8
97	42.7	31.4	47.0
132	19.6	15.9	23.9

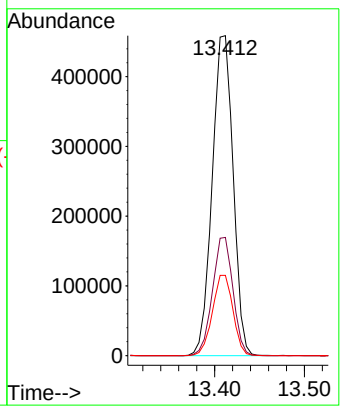




#45
2-Fluorobiphenyl
Concen: 97.652 ng
RT: 13.412 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:172 Resp: 74490

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.9	44.9
170	25.1	19.8	29.6



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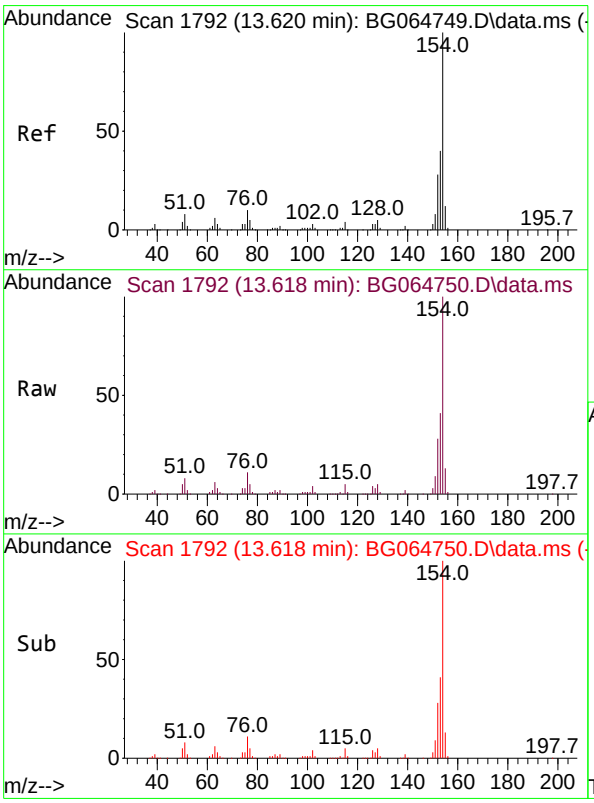
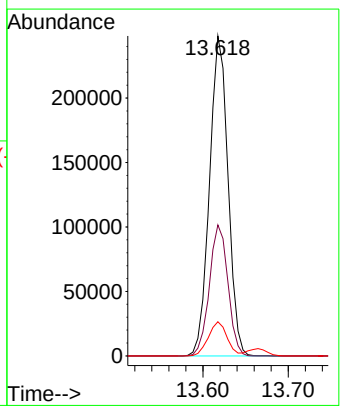
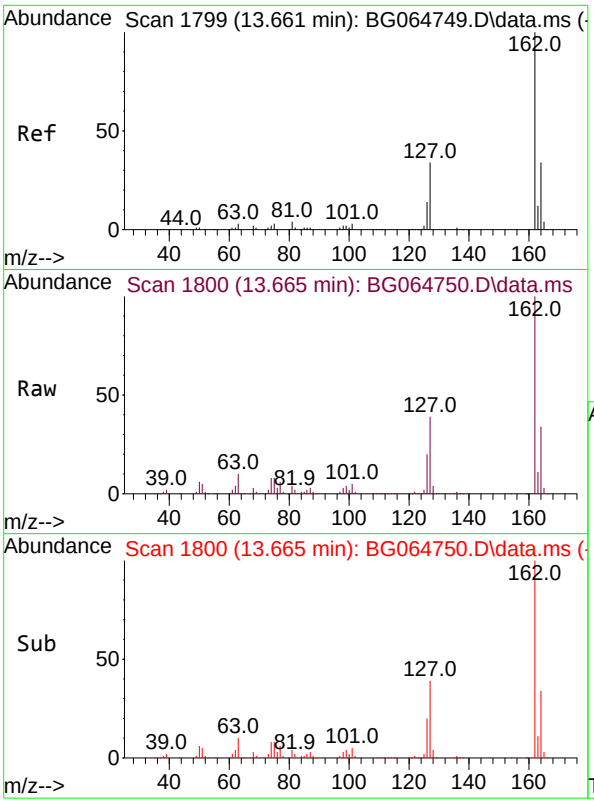


#46
1,1'-Biphenyl
Concen: 48.911 ng
RT: 13.618 min Scan# 1792
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:154 Resp: 373911

Ion	Ratio	Lower	Upper
154	100		
153	40.9	19.8	59.8
76	10.7	0.0	30.0

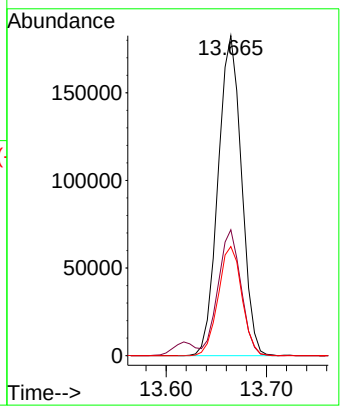




#47
2-Chloronaphthalene
Concen: 49.307 ng
RT: 13.665 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:162 Resp: 29696

Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.3	45.5
164	34.1	26.8	40.2



Instrument :
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ClientSampleId :
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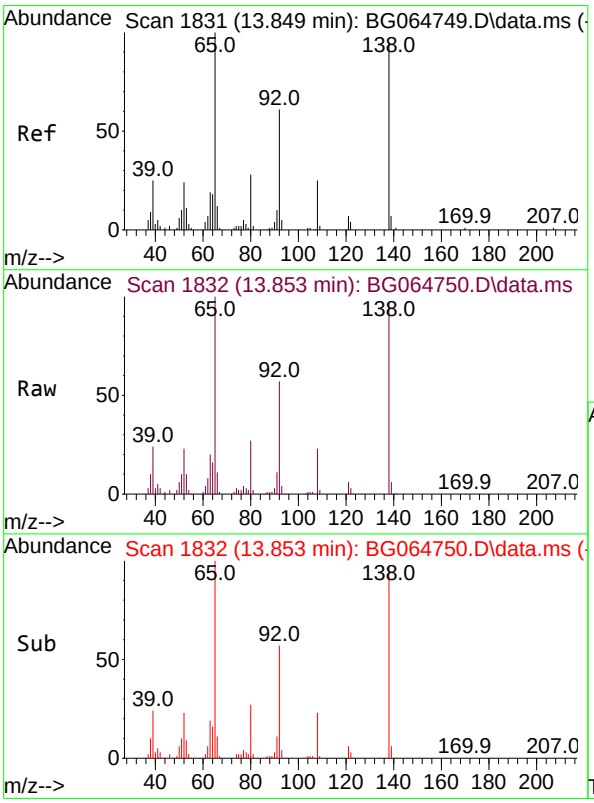
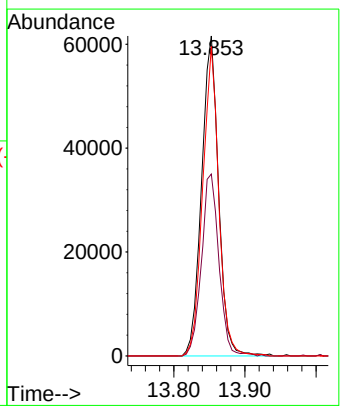
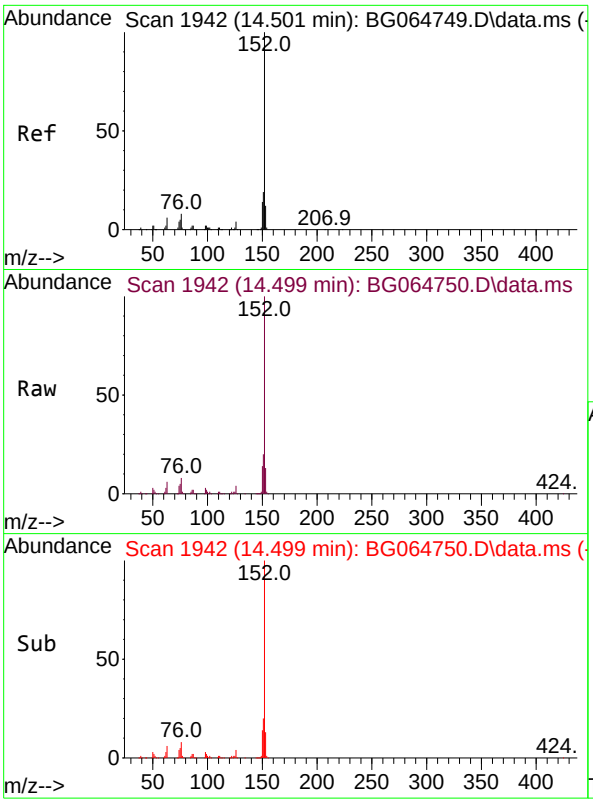


#48
2-Nitroaniline
Concen: 52.606 ng
RT: 13.853 min Scan# 1832
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 65 Resp: 101905

Ion	Ratio	Lower	Upper
65	100		
92	56.8	48.6	73.0
138	96.7	76.4	114.6

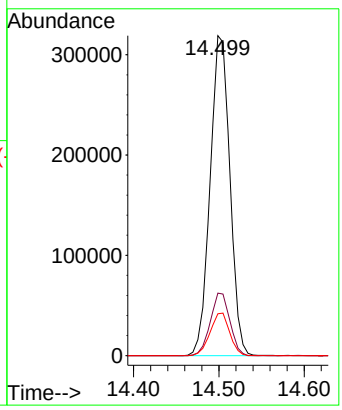




#49
Acenaphthylene
Concen: 49.951 ng
RT: 14.499 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:152 Resp: 51396

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.0	22.4
153	13.1	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
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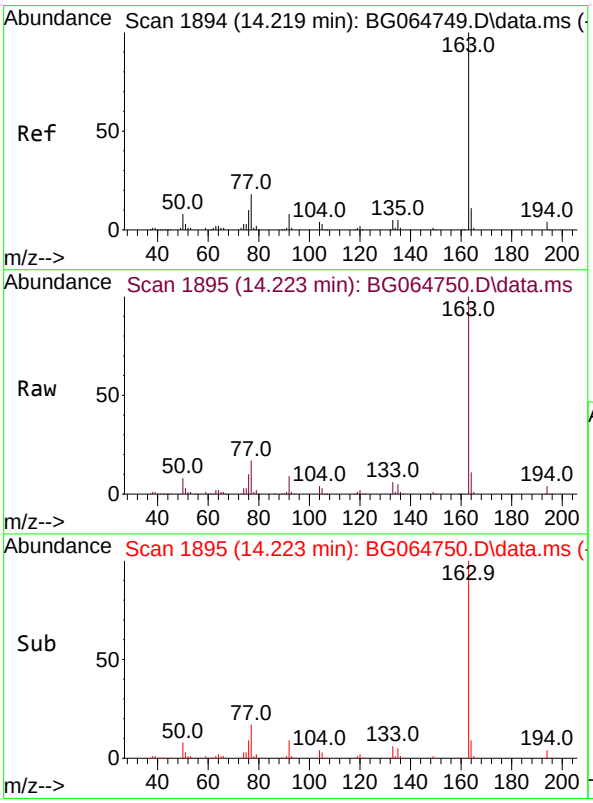
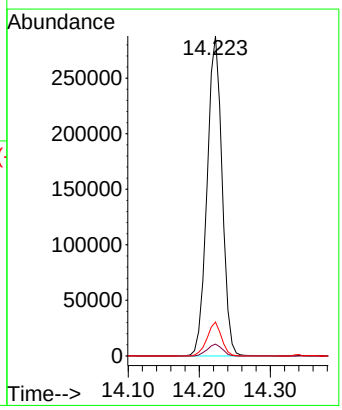
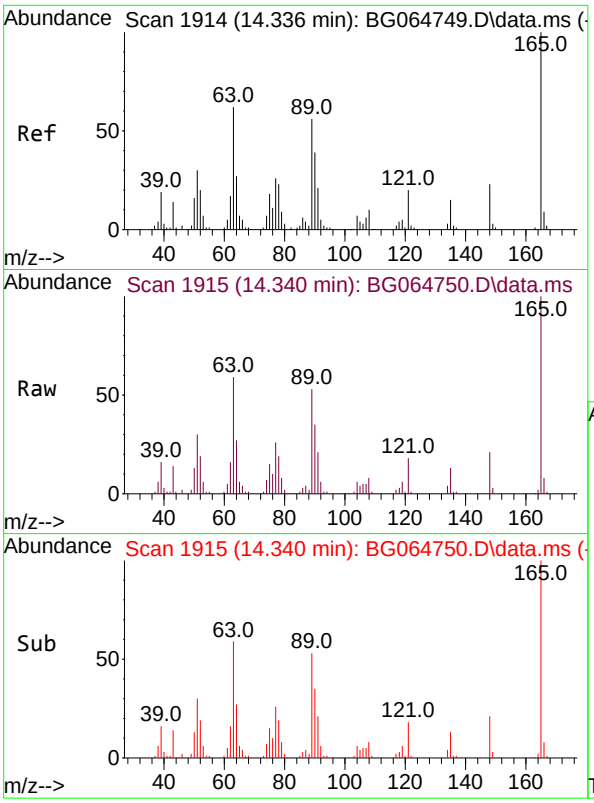


#50
Dimethylphthalate
Concen: 50.001 ng
RT: 14.223 min Scan# 1895
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:163 Resp: 420404

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.6	8.6	12.8

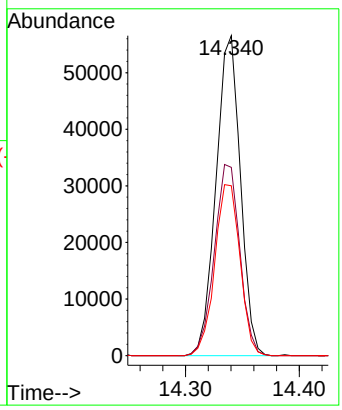




#51
2,6-Dinitrotoluene
Concen: 52.071 ng
RT: 14.340 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:165 Resp: 8424

Ion	Ratio	Lower	Upper
165	100		
63	58.8	49.8	74.8
89	53.1	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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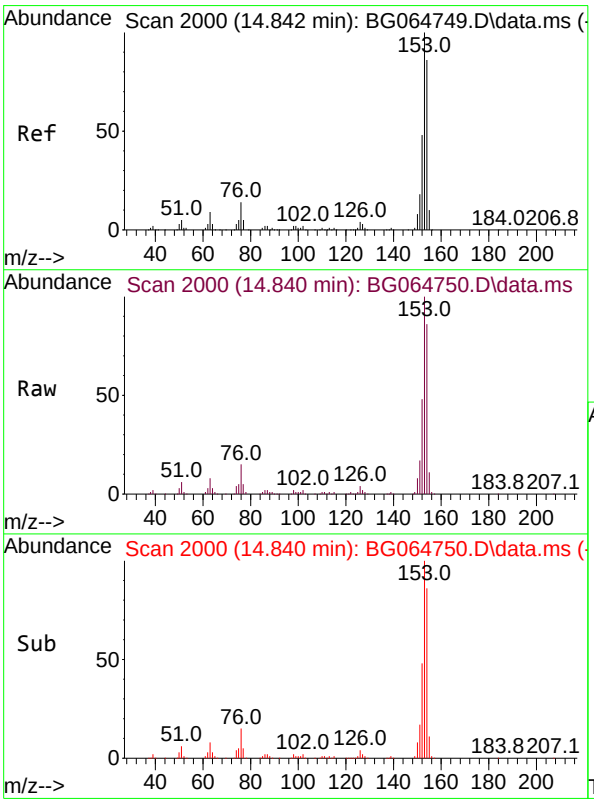
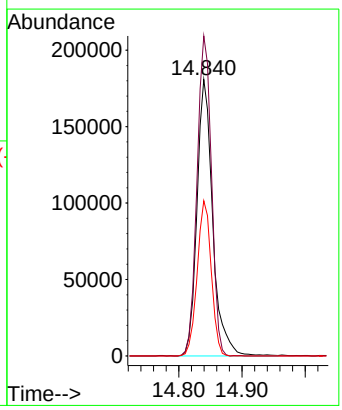
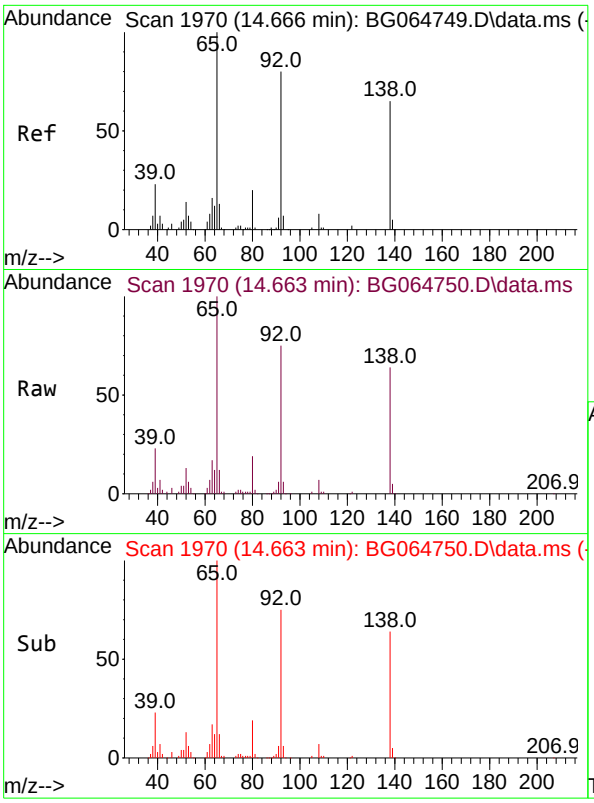


#52
Acenaphthene
Concen: 50.780 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:154 Resp: 313277

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.0	139.4
152	56.1	44.4	66.6





#53
3-Nitroaniline
Concen: 53.331 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:138 Resp: 85159

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.5	14.3
92	116.9	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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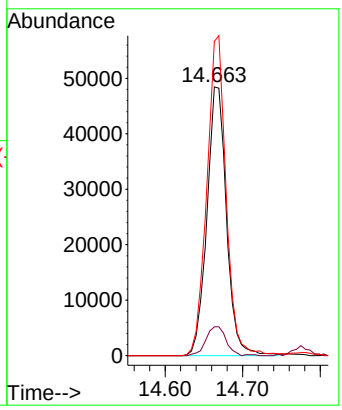
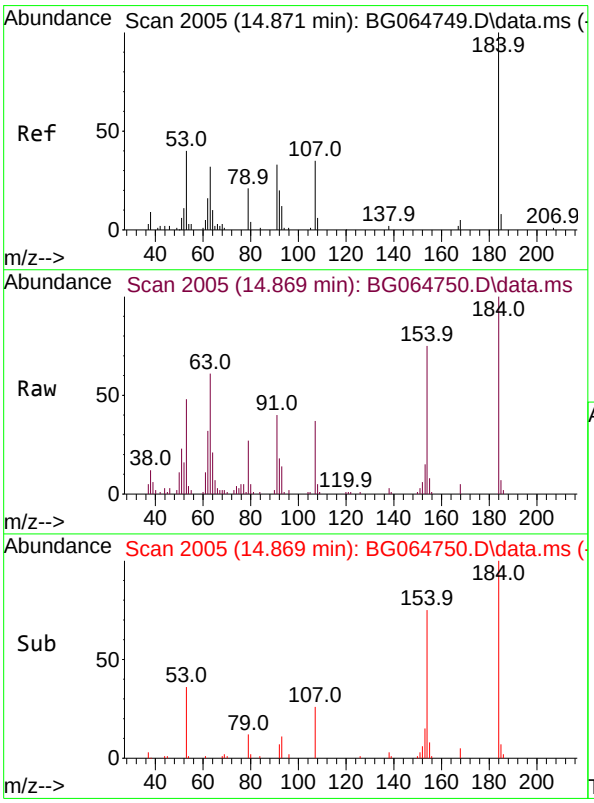
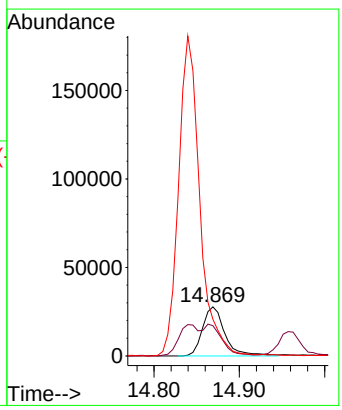


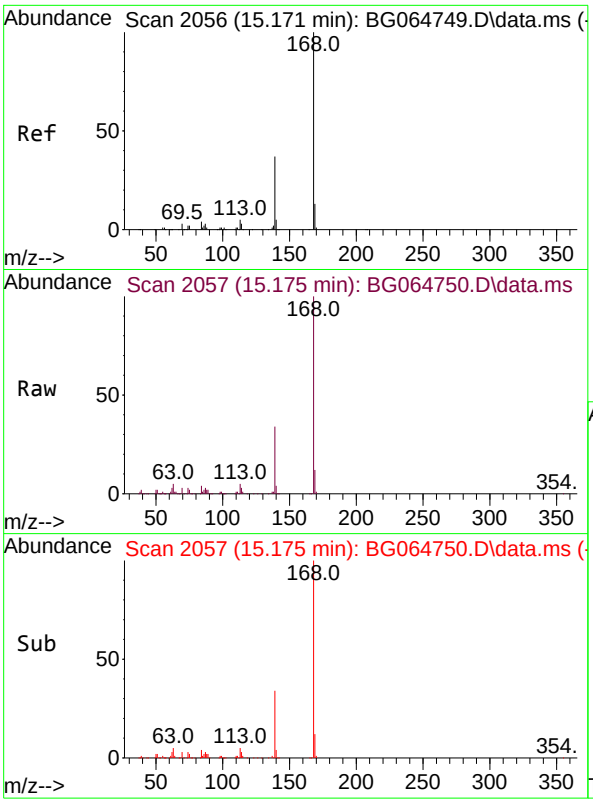


#54
2,4-Dinitrophenol
Concen: 48.998 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:184 Resp: 50173

Ion	Ratio	Lower	Upper
184	100		
63	61.3	45.8	68.6
154	74.7	52.6	78.8

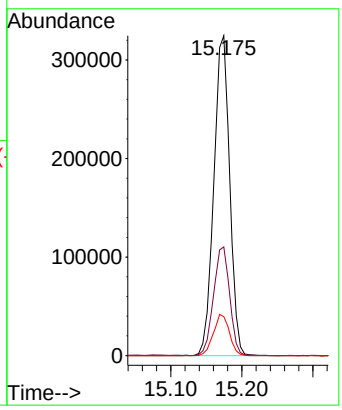




#55
Dibenzofuran
Concen: 49.360 ng
RT: 15.175 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:168 Resp: 503441

Ion	Ratio	Lower	Upper
168	100		
139	34.0	29.5	44.3
169	12.2	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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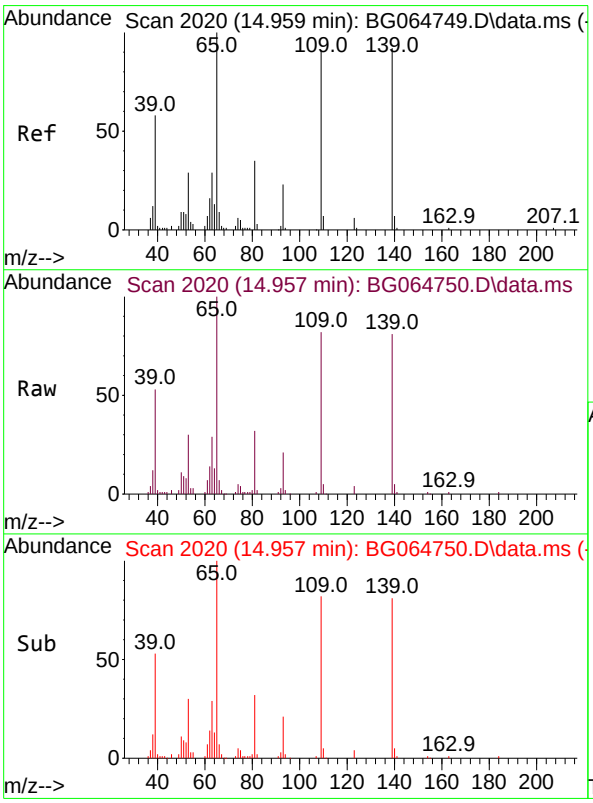
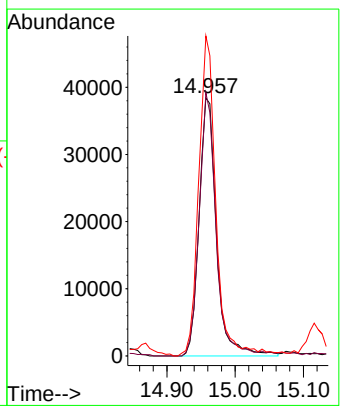
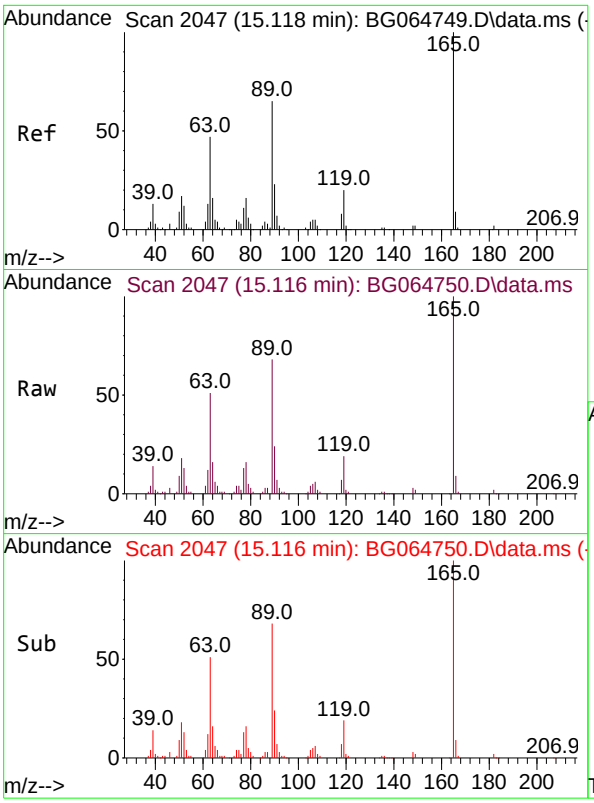


#56
4-Nitrophenol
Concen: 53.900 ng
RT: 14.957 min Scan# 2020
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:139 Resp: 68287

Ion	Ratio	Lower	Upper
139	100		
109	101.9	79.7	119.7
65	124.1	89.9	129.9

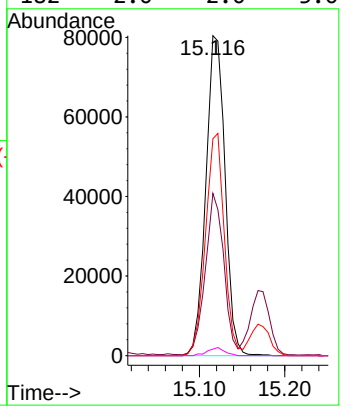




#57
2,4-Dinitrotoluene
Concen: 51.779 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:165 Resp: 12559

Ion	Ratio	Lower	Upper
165	100		
63	50.7	37.8	56.6
89	67.8	51.6	77.4
182	2.0	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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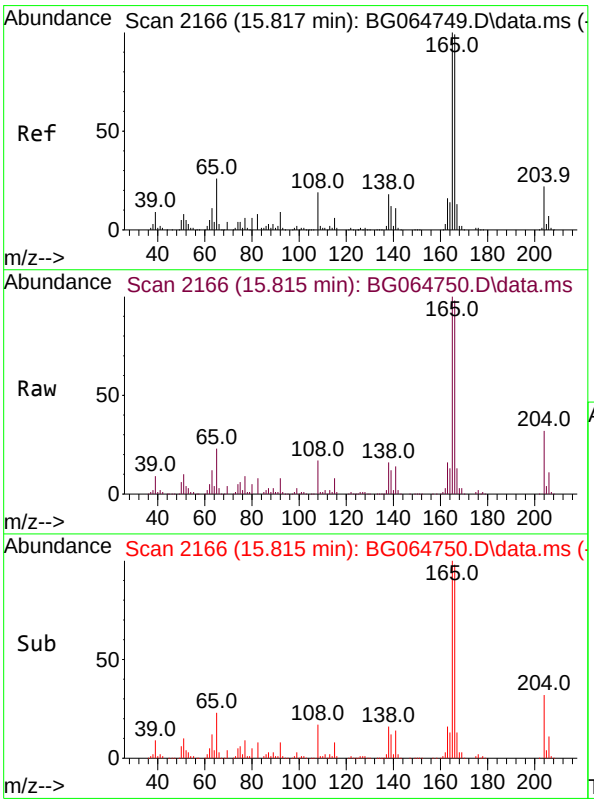
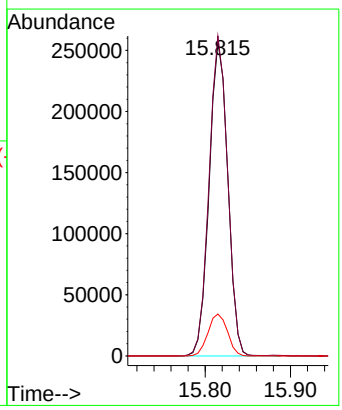
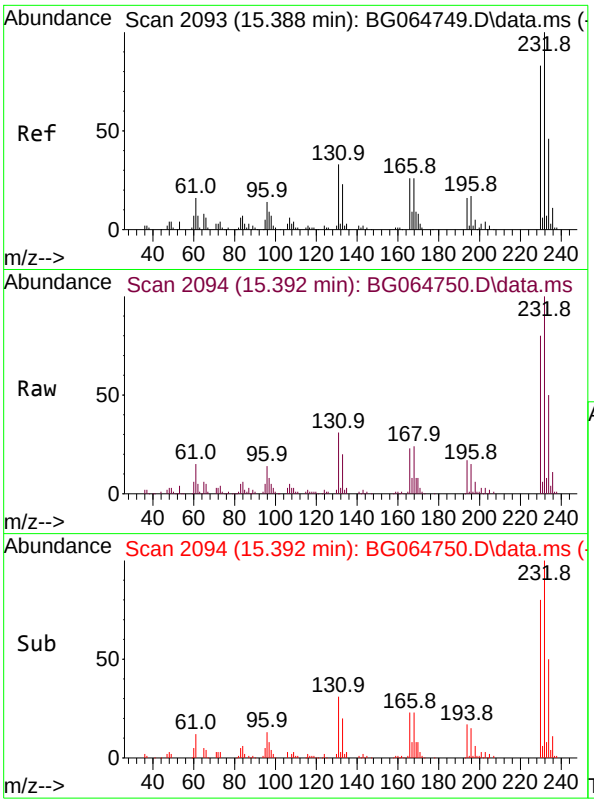


#58
Fluorene
Concen: 48.627 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:166 Resp: 388983

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.5	120.7
167	13.3	10.3	15.5

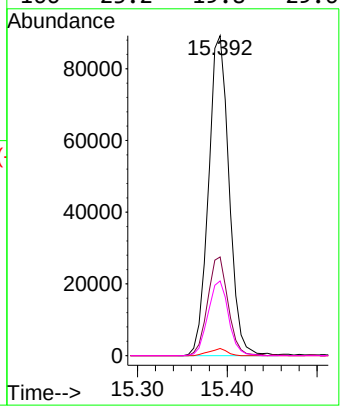




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.053 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:232 Resp: 14272

Ion	Ratio	Lower	Upper
232	100		
131	30.5	26.0	39.0
130	1.9	1.6	2.4
166	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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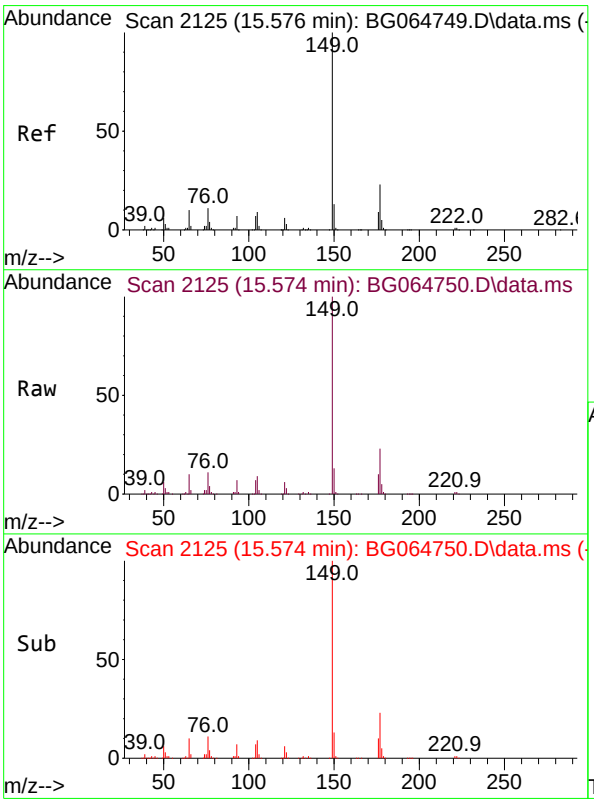
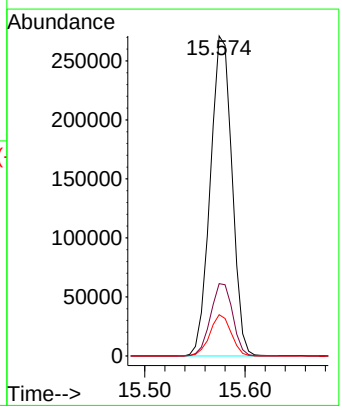
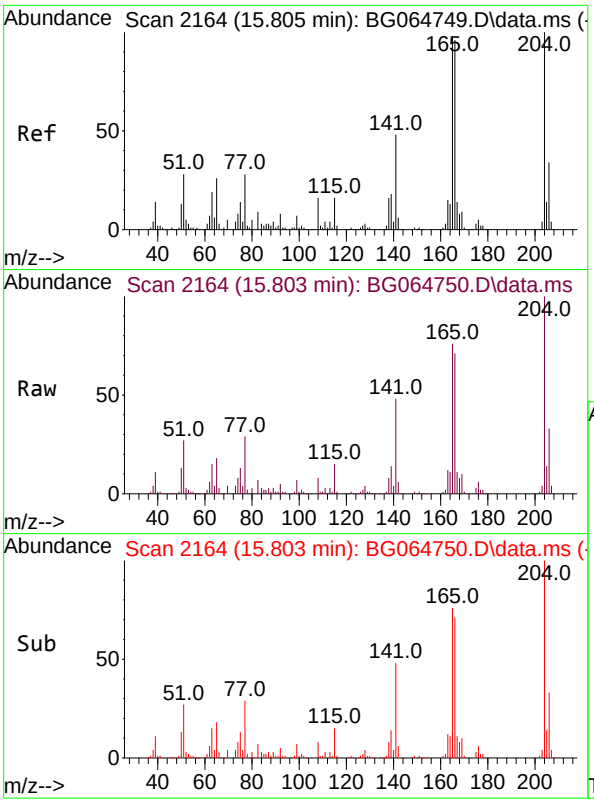


#60
Diethylphthalate
Concen: 50.617 ng
RT: 15.574 min Scan# 2125
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 407694

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.9	10.1	15.1

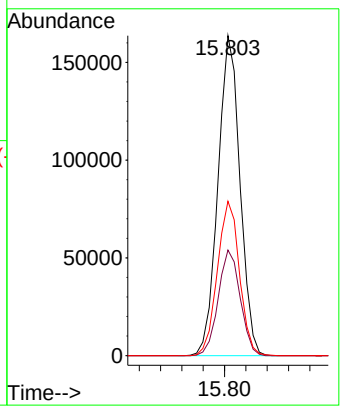




#61
4-Chlorophenyl-phenylether
Concen: 48.897 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:204 Resp: 234746

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.9	40.3
141	48.2	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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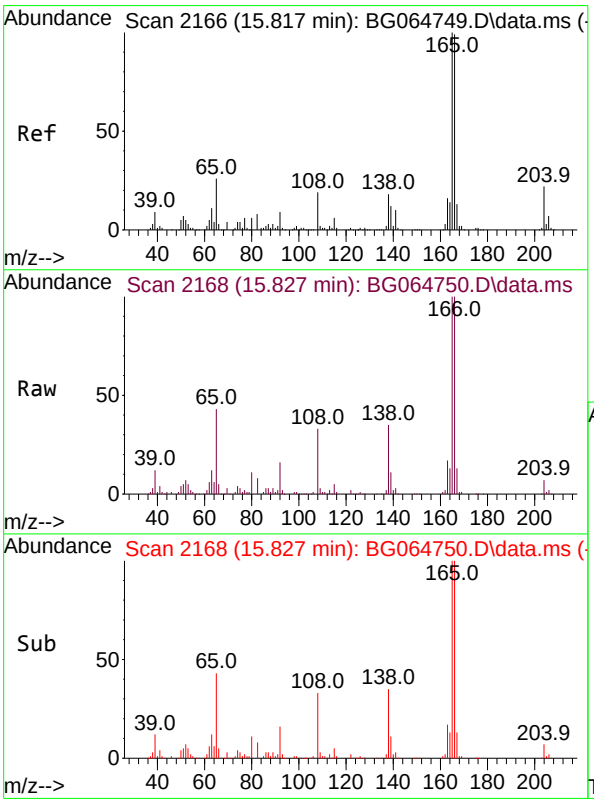
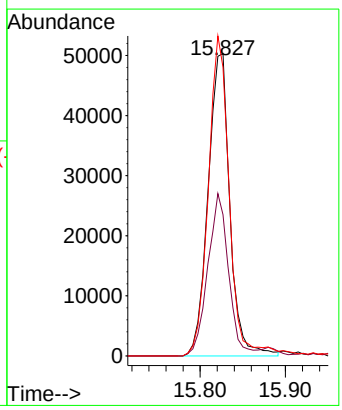
Supervised By :Sohil Jodhani 11/14/2025

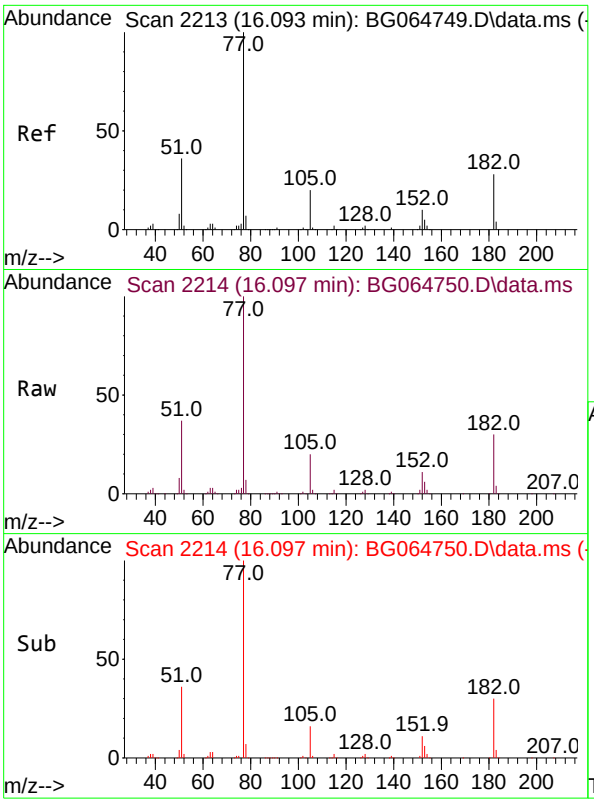


#62
4-Nitroaniline
Concen: 53.925 ng
RT: 15.827 min Scan# 2168
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:138 Resp: 89205

Ion	Ratio	Lower	Upper
138	100		
92	46.7	30.7	70.7
108	95.4	85.7	125.7

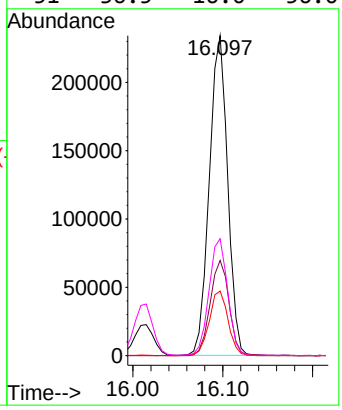




#63
Azobenzene
Concen: 49.648 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion: 77 Resp: 33260

Ion	Ratio	Lower	Upper
77	100		
182	29.7	8.1	48.1
105	20.2	0.1	40.1
51	36.5	16.0	56.0



Instrument :
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ClientSampleId :
SSTDICC050

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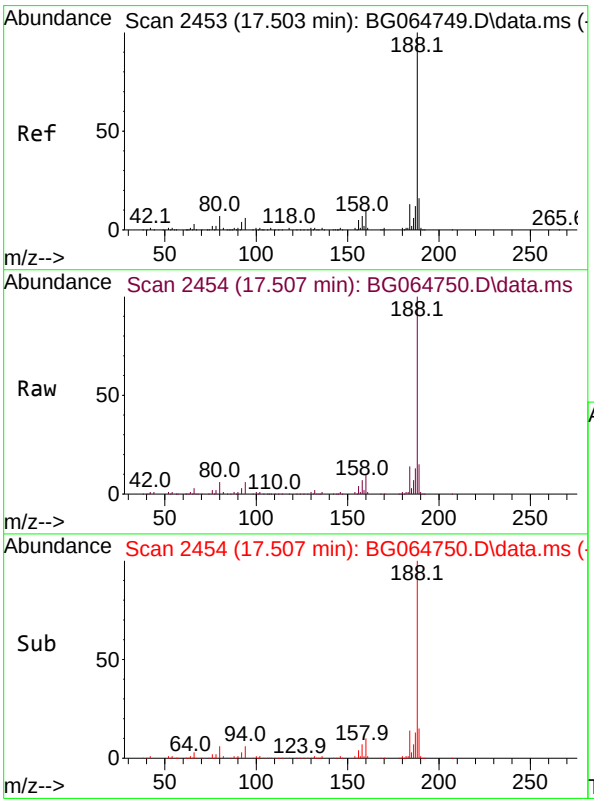
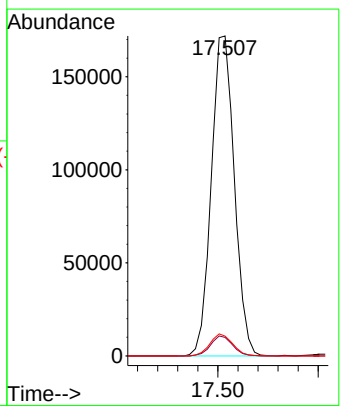
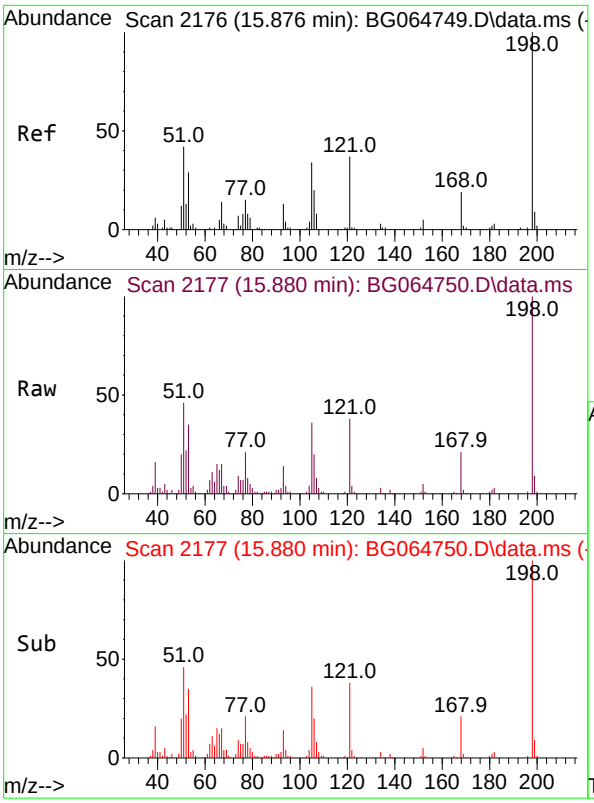


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:188 Resp: 274480

Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.7	7.1
80	6.2	5.4	8.2

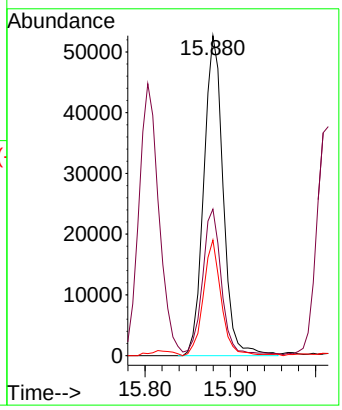




#65
4,6-Dinitro-2-methylphenol
Concen: 54.533 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:198 Resp: 8310

Ion	Ratio	Lower	Upper
198	100		
51	45.8	25.2	65.2
105	36.1	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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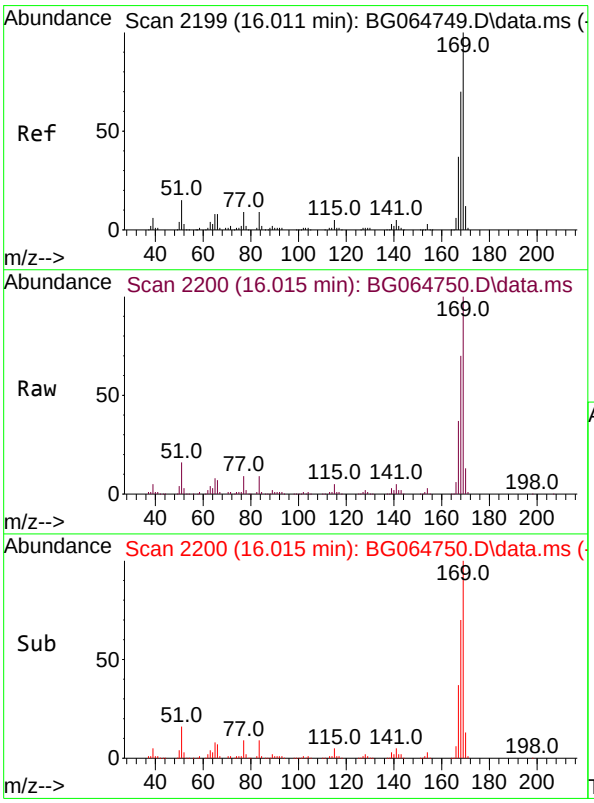
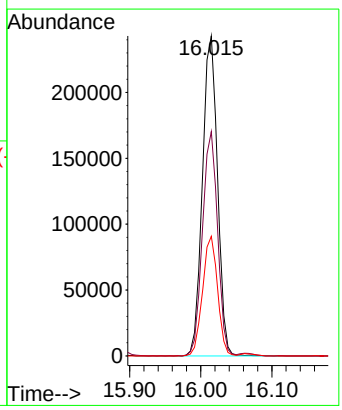
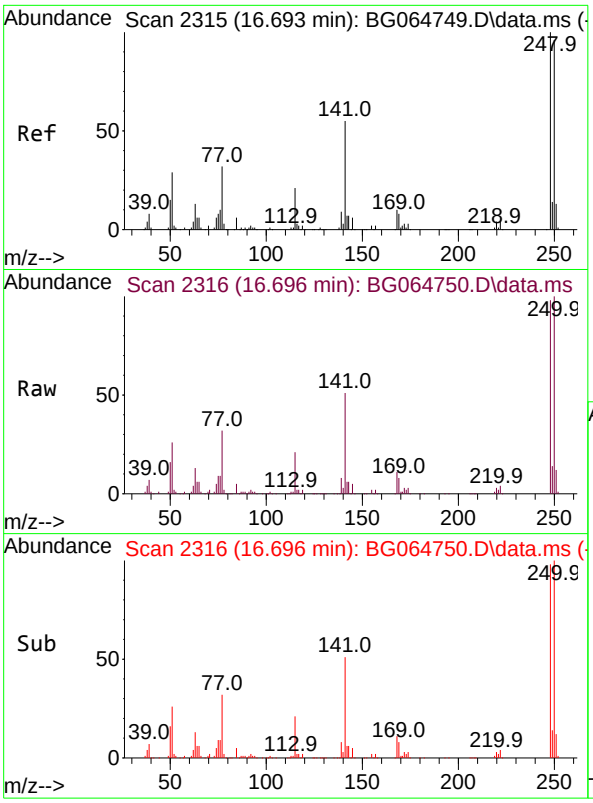


#66
n-Nitrosodiphenylamine
Concen: 49.560 ng
RT: 16.015 min Scan# 2200
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:169 Resp: 356316

Ion	Ratio	Lower	Upper
169	100		
168	70.1	55.9	83.9
167	37.4	29.8	44.6

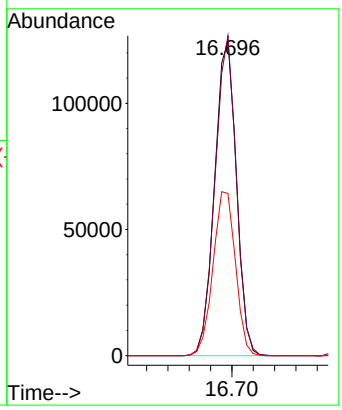




#67
4-Bromophenyl-phenylether
Concen: 49.273 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:248 Resp: 17760

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.0	115.6
141	51.5	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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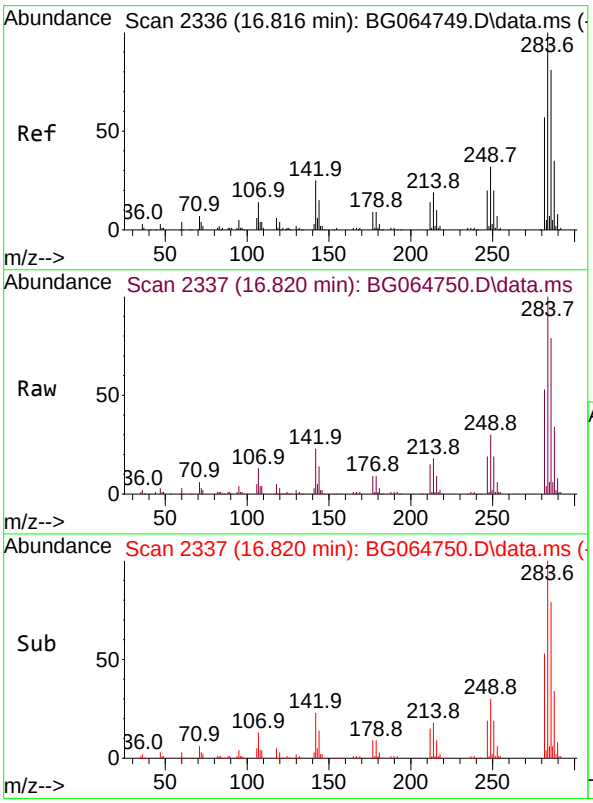
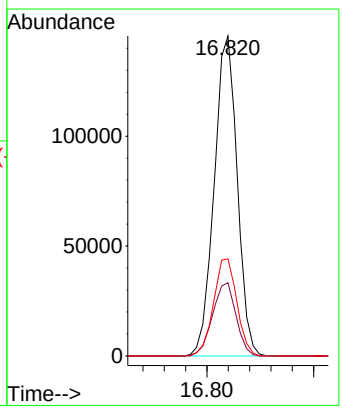
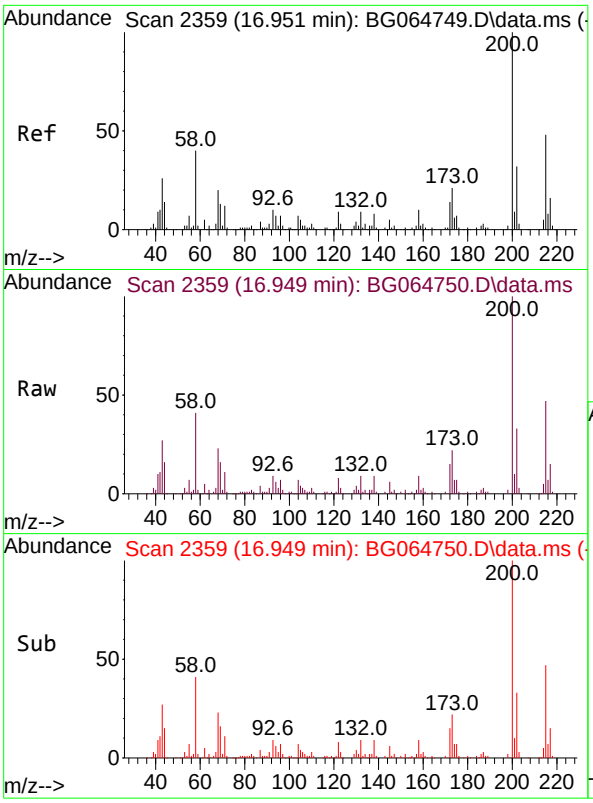


#68
Hexachlorobenzene
Concen: 49.952 ng
RT: 16.820 min Scan# 2337
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:284 Resp: 218143

Ion	Ratio	Lower	Upper
284	100		
142	22.9	19.7	29.5
249	32.0	28.1	42.1

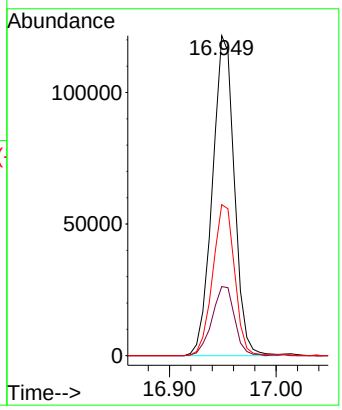




#69
Atrazine
Concen: 50.190 ng
RT: 16.949 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:200 Resp: 17397

Ion	Ratio	Lower	Upper
200	100		
173	21.6	0.9	40.9
215	47.2	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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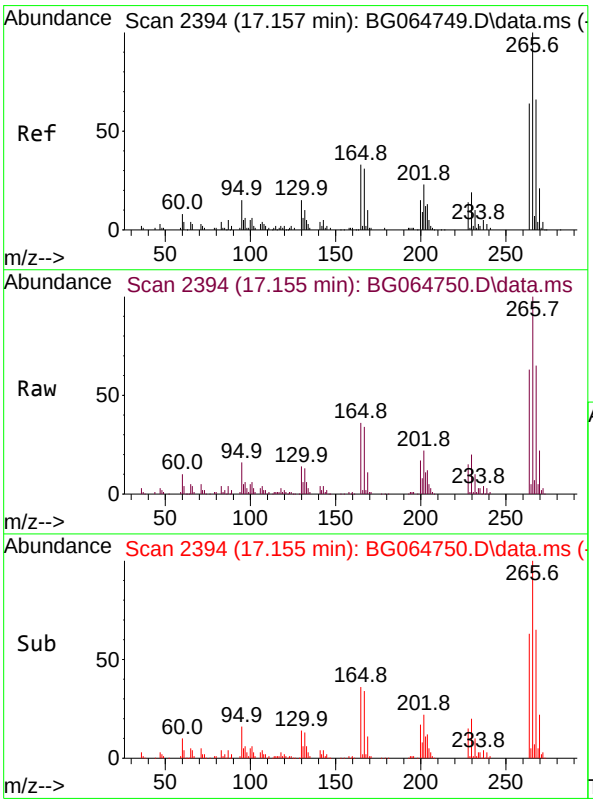
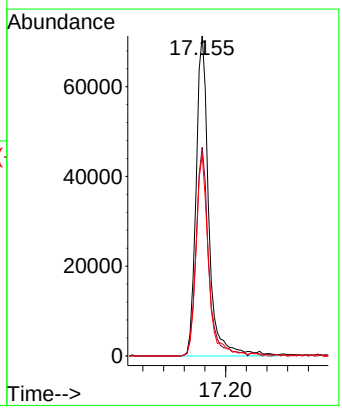
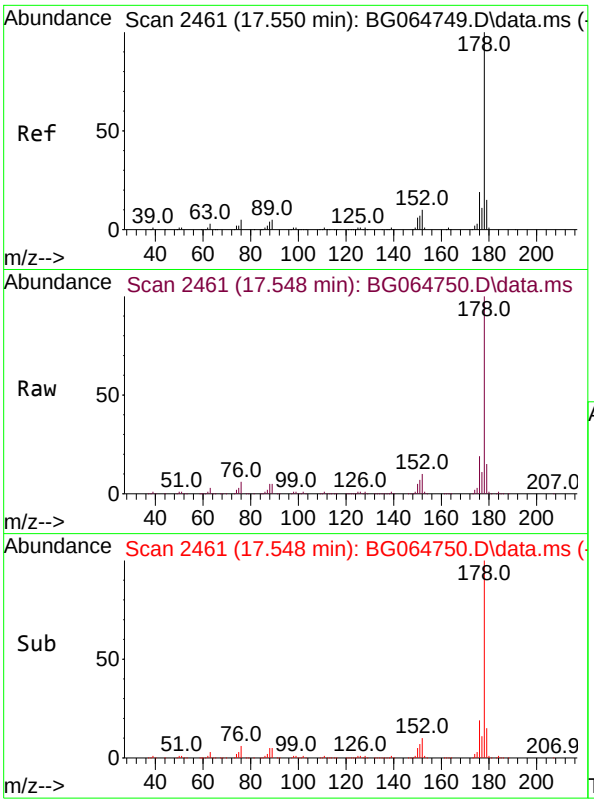


#70
Pentachlorophenol
Concen: 49.449 ng
RT: 17.155 min Scan# 2394
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:266 Resp: 121224

Ion	Ratio	Lower	Upper
266	100		
268	65.2	56.1	84.1
264	68.3	51.2	76.8

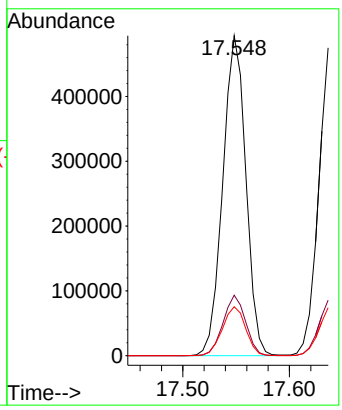




#71
Phenanthrene
Concen: 49.373 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:178 Resp: 74147

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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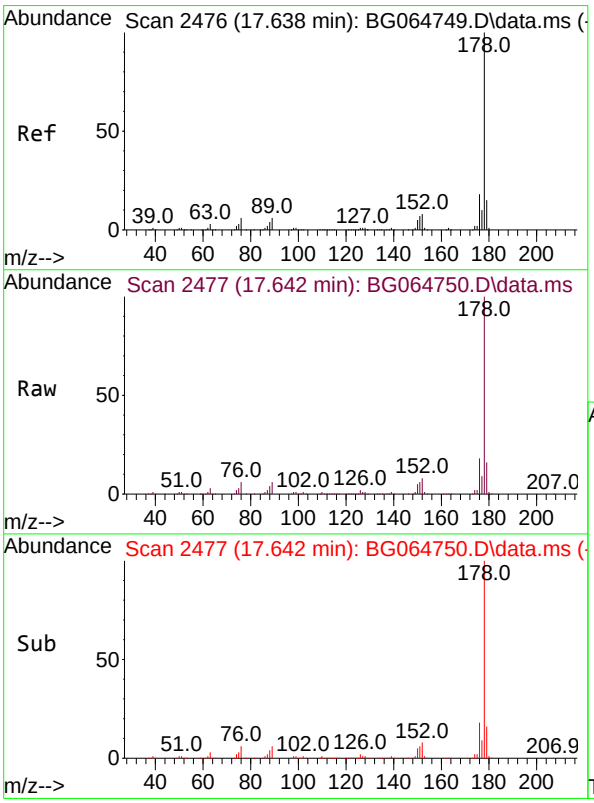
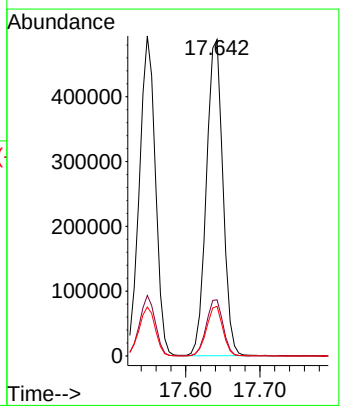
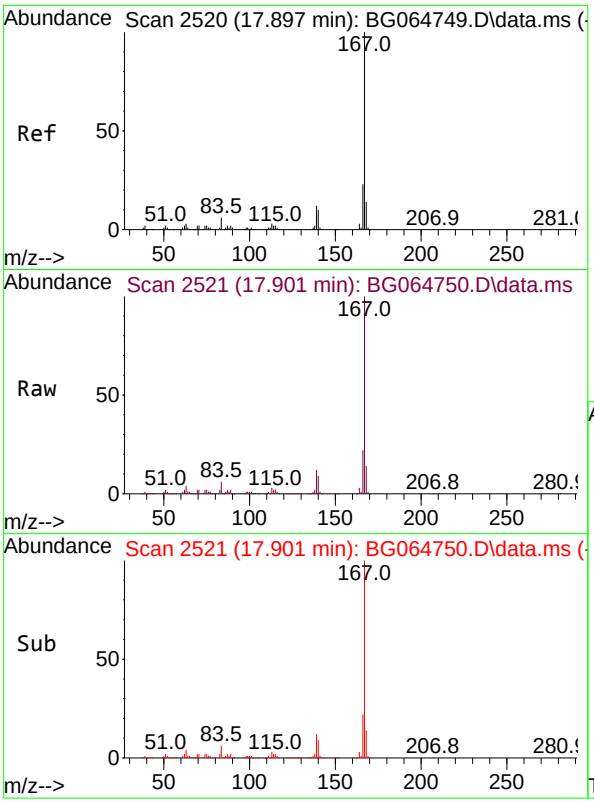


#72
Anthracene
Concen: 49.256 ng
RT: 17.642 min Scan# 2477
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:178 Resp: 754273

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.5	21.7
179	15.7	12.2	18.4

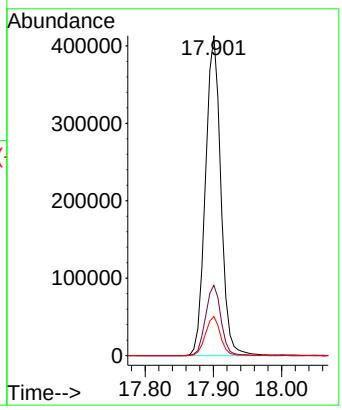




#73
Carbazole
Concen: 49.183 ng
RT: 17.901 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:167 Resp: 64745

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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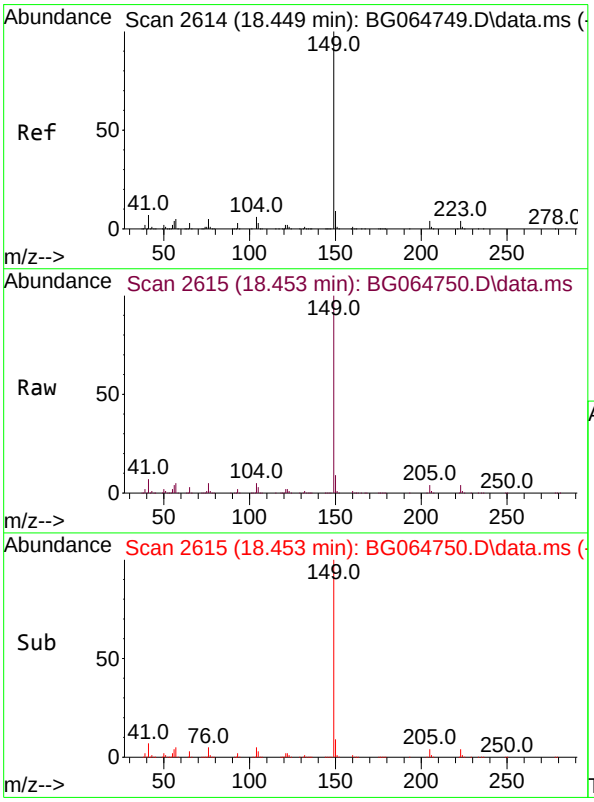
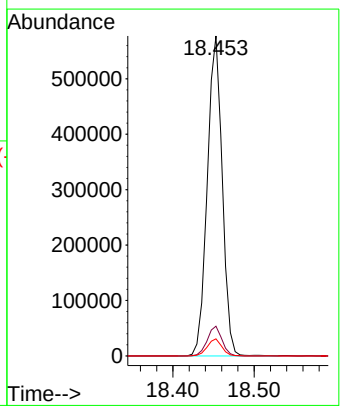
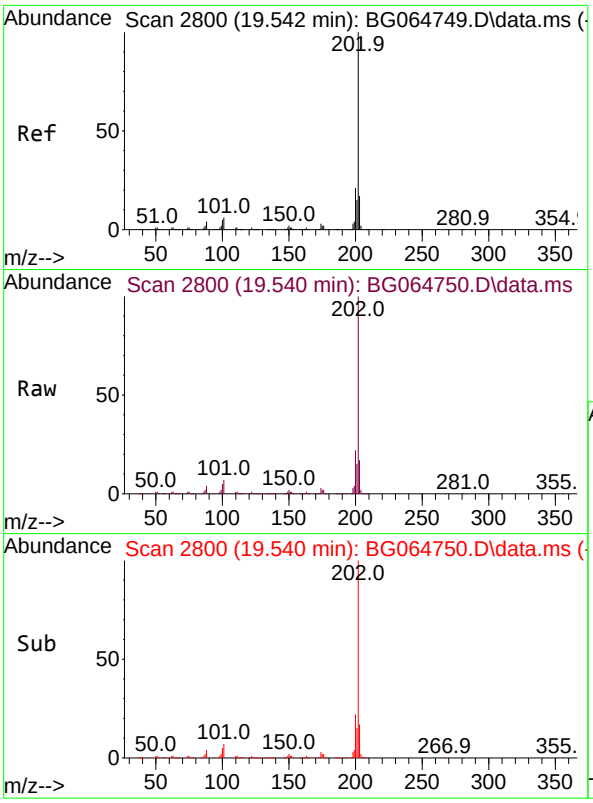


#74
Di-n-butylphthalate
Concen: 50.268 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 738268

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.3	4.4	6.6

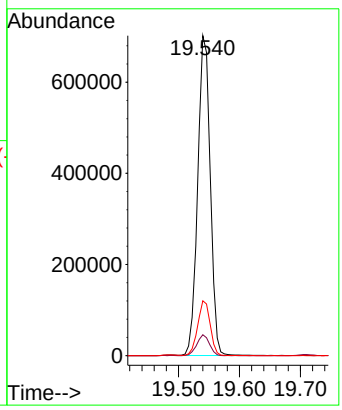




#75
Fluoranthene
Concen: 48.814 ng
RT: 19.540 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:202 Resp: 100243

Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	26.4
203	17.1	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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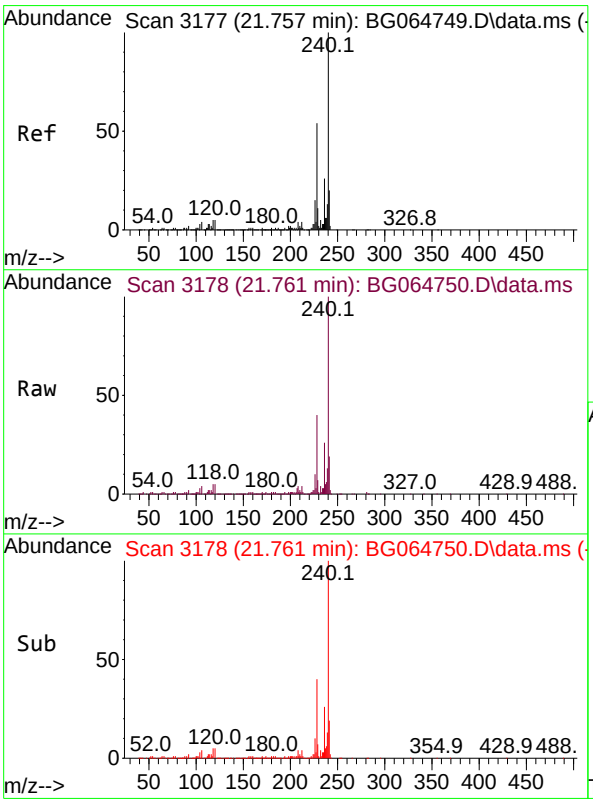
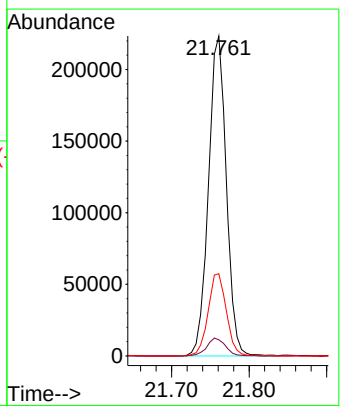
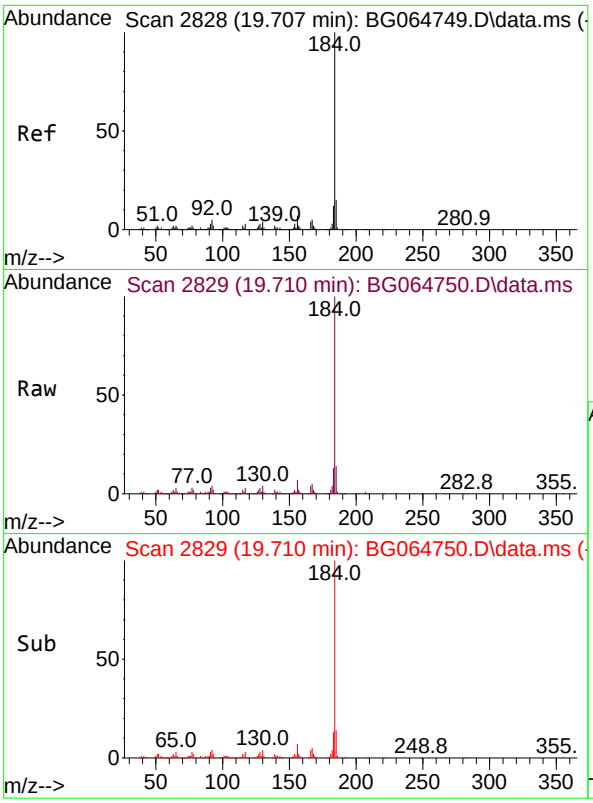


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.761 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:240 Resp: 357345

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.2	6.4
236	25.7	20.8	31.2

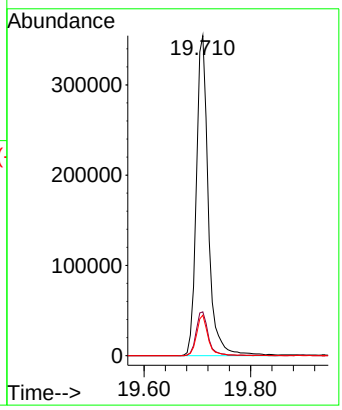




#77
Benzidine
Concen: 51.578 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:184 Resp: 55198

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	12.6	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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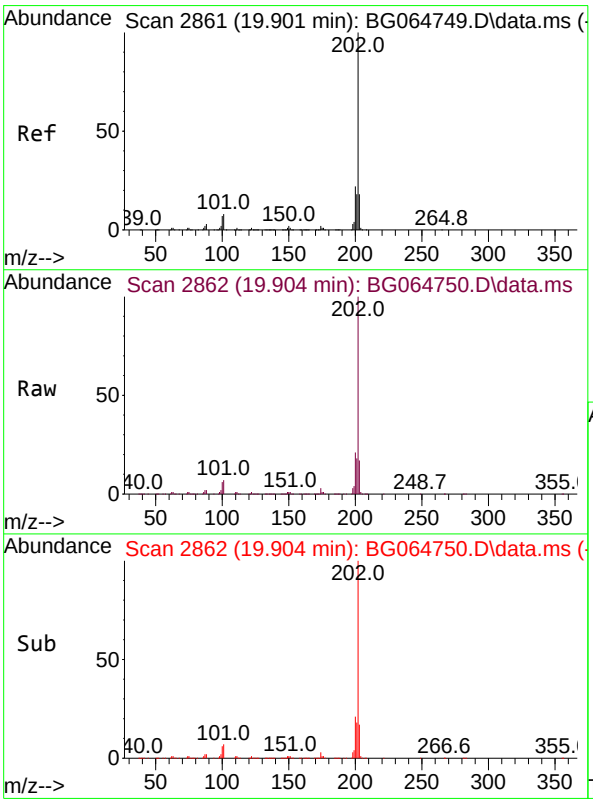
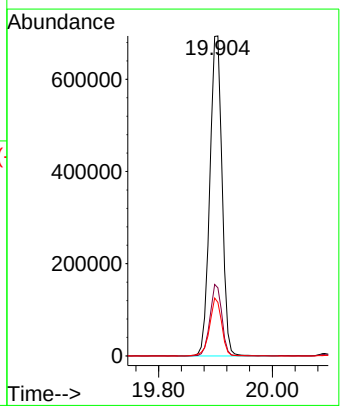
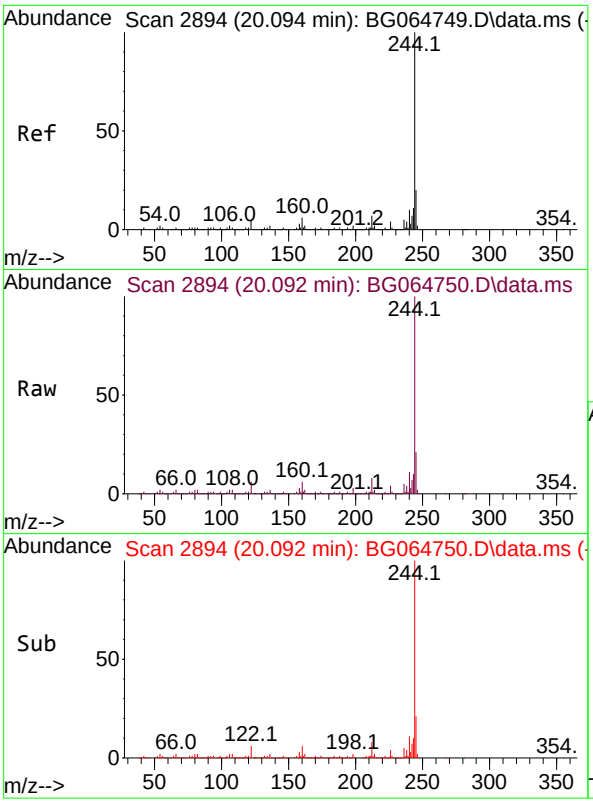


#78
Pyrene
Concen: 51.930 ng
RT: 19.904 min Scan# 2862
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:202 Resp: 1040032

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	16.7	14.0	21.0





#79
Terphenyl-d14
Concen: 102.245 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

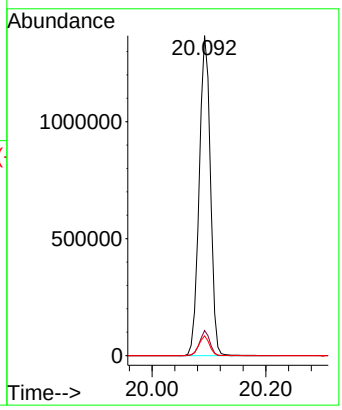
Tgt Ion:244 Resp: 185739

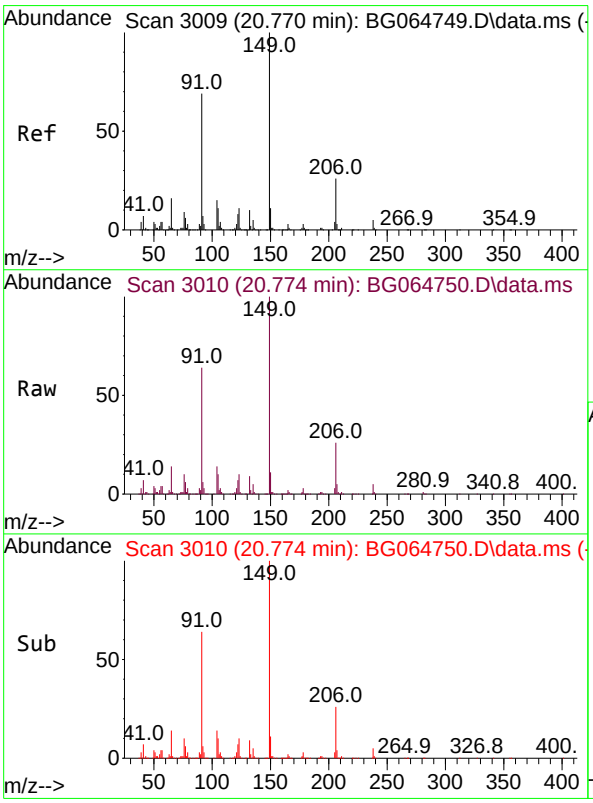
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	6.2	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

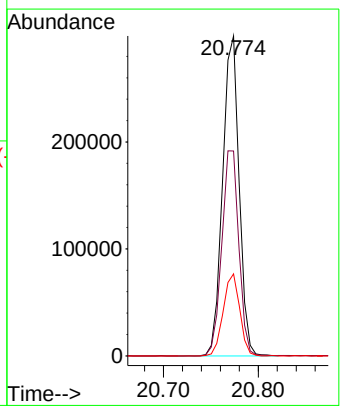


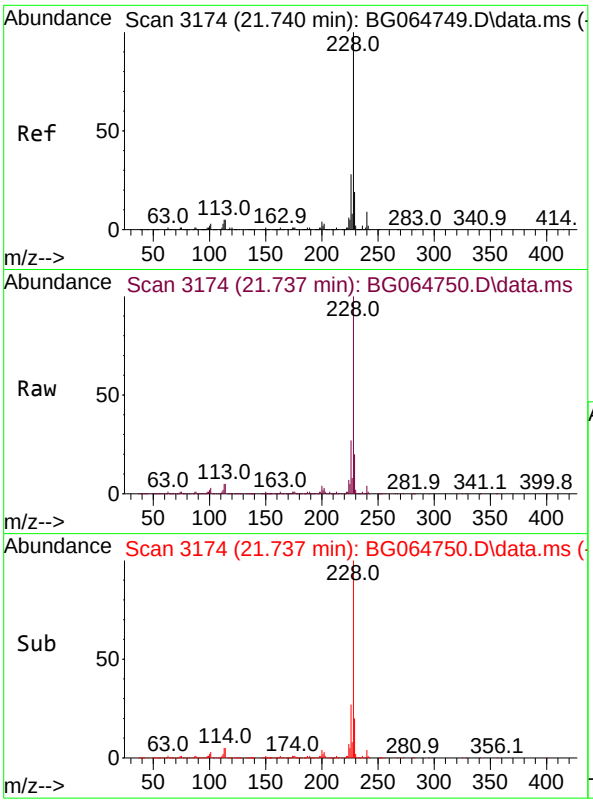


#80
Butylbenzylphthalate
Concen: 51.231 ng
RT: 20.774 min Scan# 3010
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 360898

Ion	Ratio	Lower	Upper
149	100		
91	64.0	54.9	82.3
206	25.6	21.2	31.8

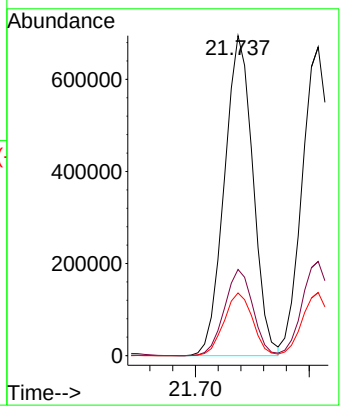




#81
Benzo(a)anthracene
Concen: 49.906 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:228 Resp: 121262

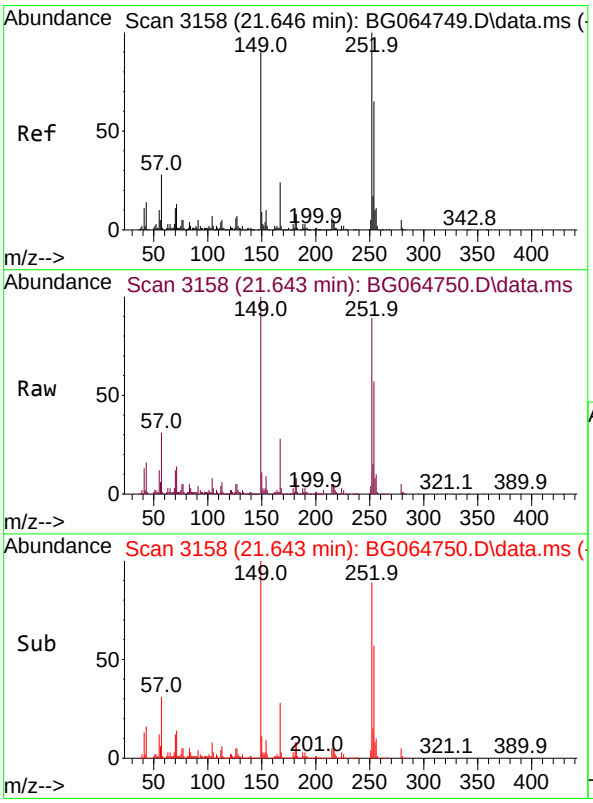
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.6	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

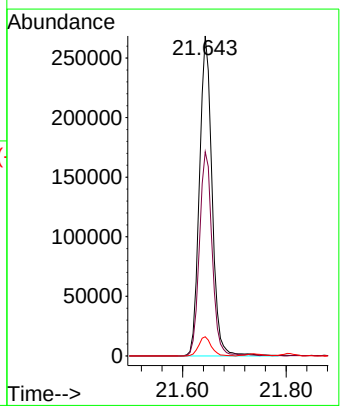
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

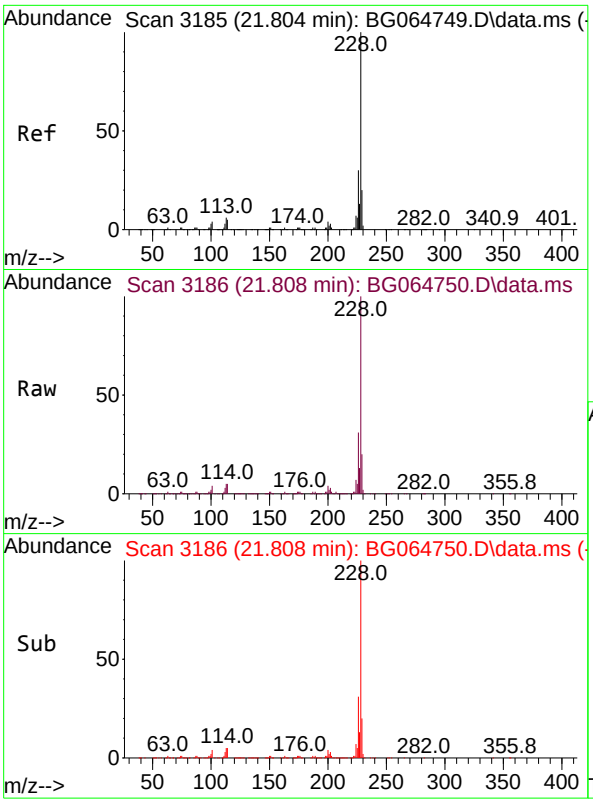


#82
3,3'-Dichlorobenzidine
Concen: 50.644 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 452926

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.8	77.8
126	6.0	4.7	7.1

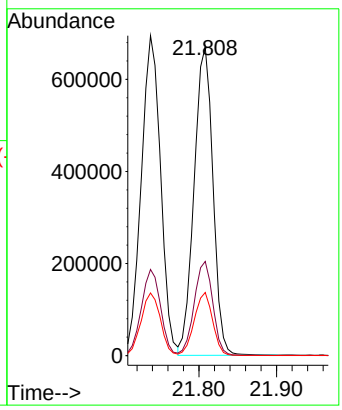




#83
Chrysene
Concen: 49.398 ng
RT: 21.808 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:228 Resp: 113158

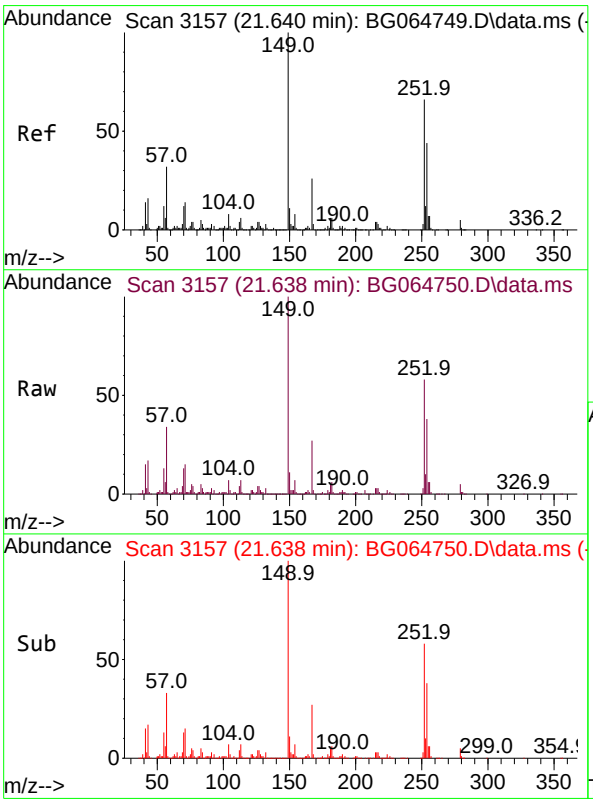
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.5	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

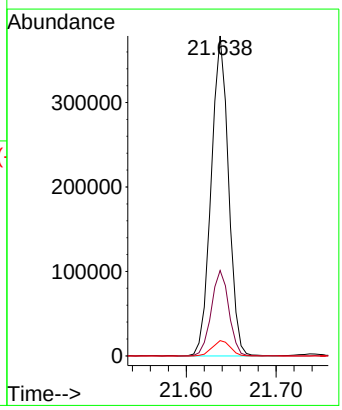
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

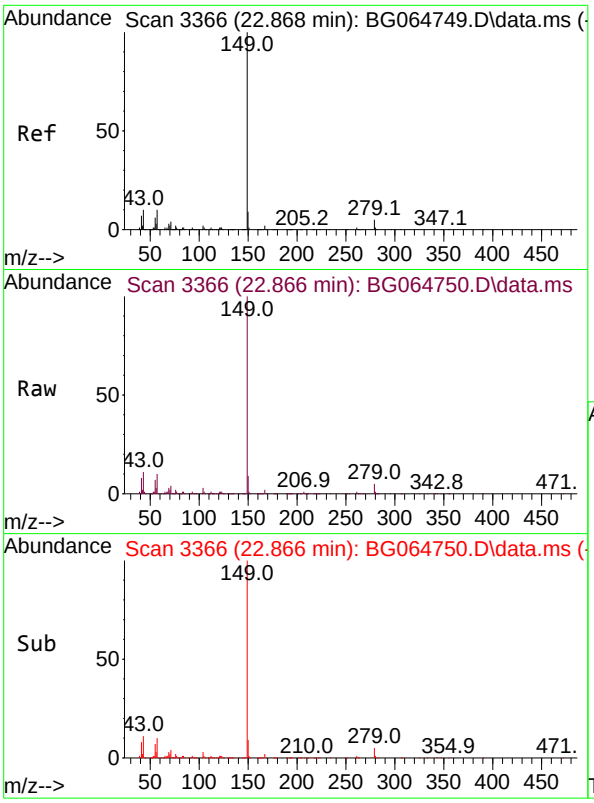


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.532 ng
RT: 21.638 min Scan# 3157
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 509870

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.0	31.4
279	4.8	4.1	6.1

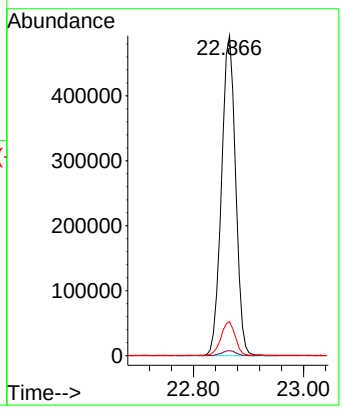




#85
Di-n-octyl phthalate
Concen: 49.360 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:149 Resp: 87830

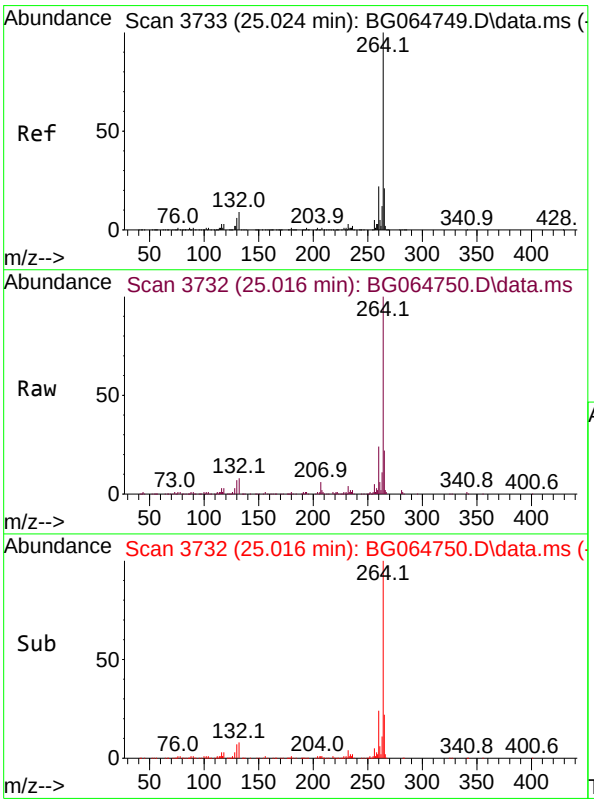
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

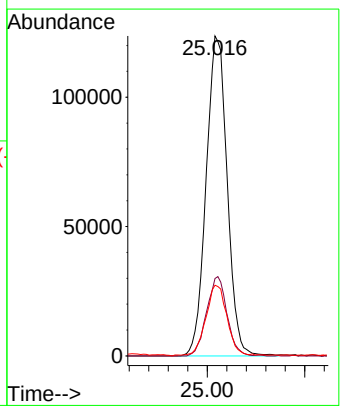
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

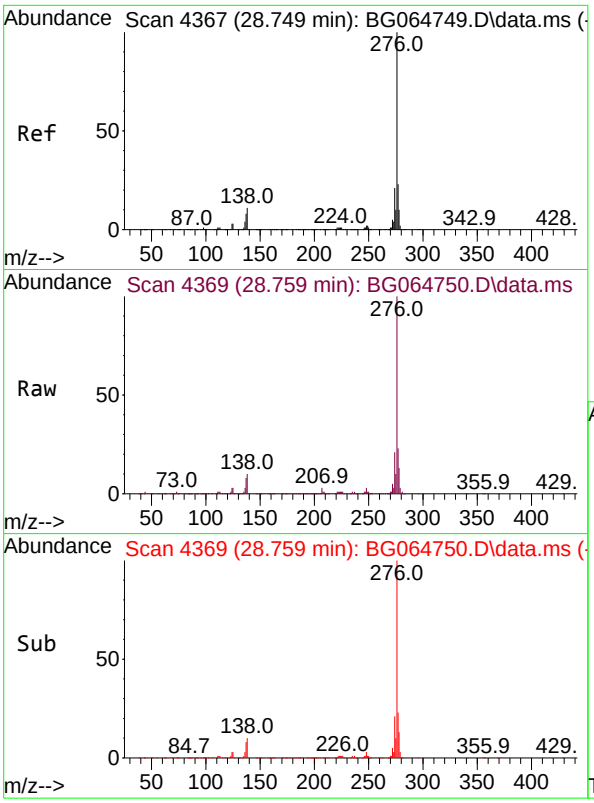


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 3732
Delta R.T. -0.008 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:264 Resp: 371257

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.2	25.8
265	22.1	16.6	25.0

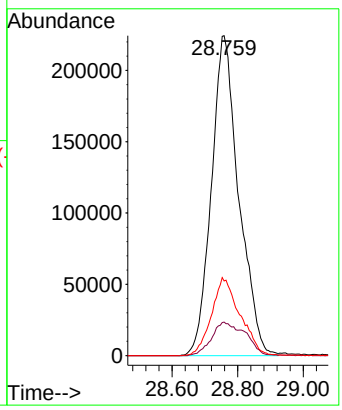




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 28.759 min Scan# 4
Delta R.T. 0.010 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:276 Resp: 130323

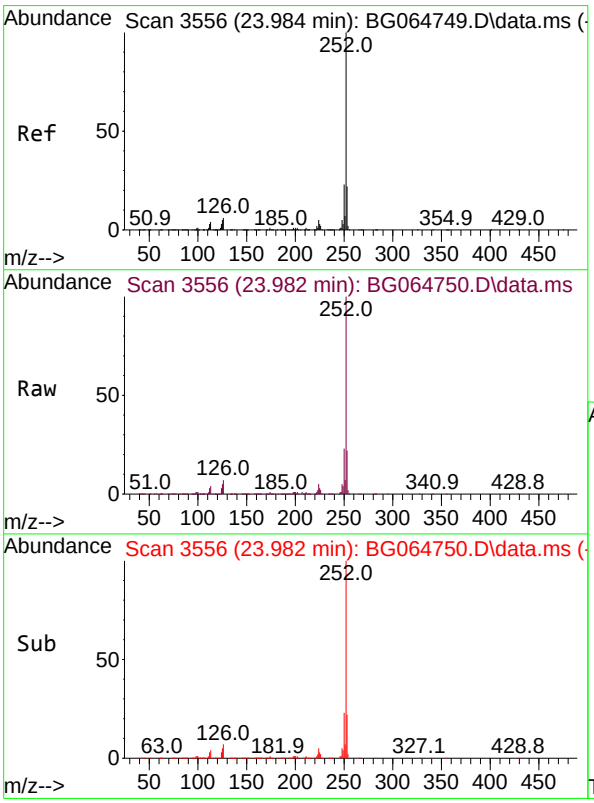
Ion	Ratio	Lower	Upper
276	100		
138	12.8	4.5	6.7#
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

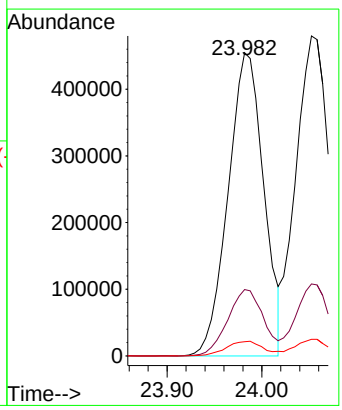
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

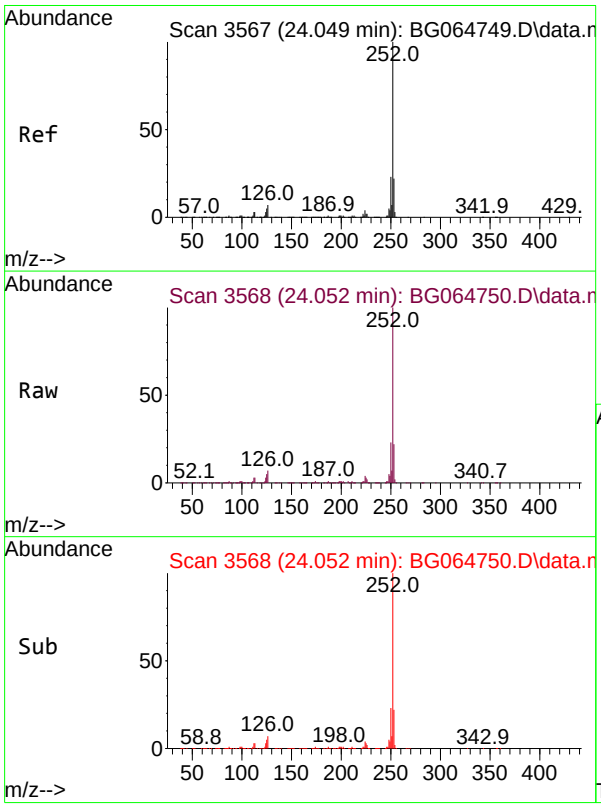


#88
Benzo(b)fluoranthene
Concen: 50.239 ng
RT: 23.982 min Scan# 3556
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 1186948

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	4.7	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 50.009 ng
RT: 24.052 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

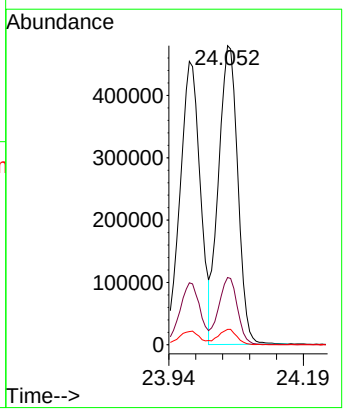
Tgt Ion:252 Resp: 118702

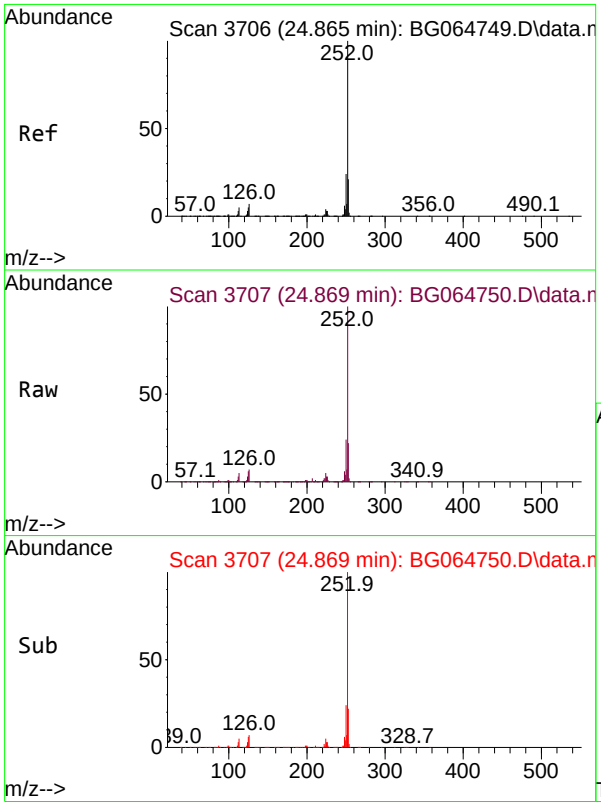
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	5.2	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

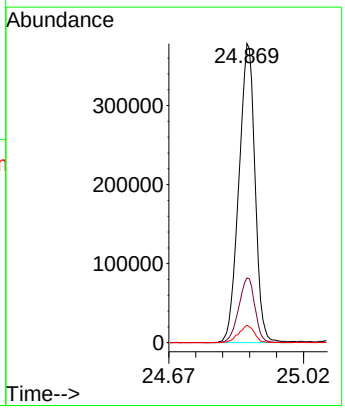


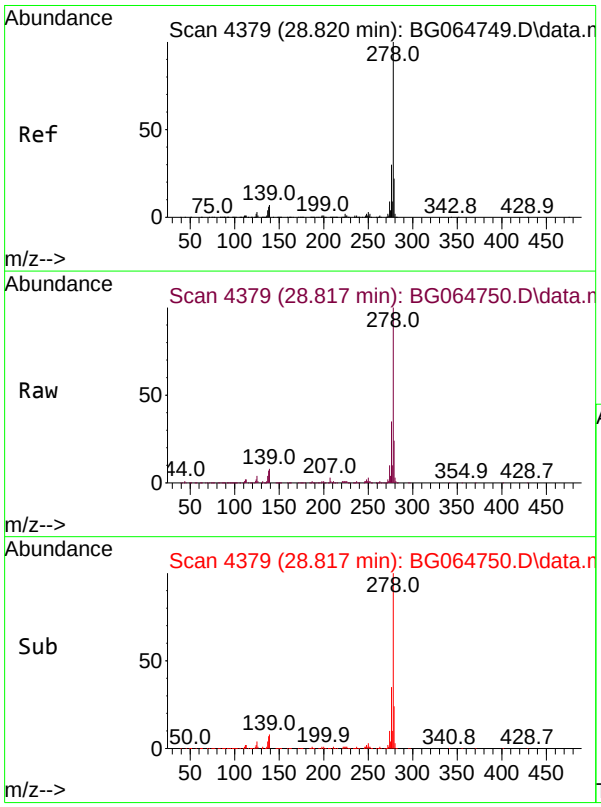


#90
Benzo(a)pyrene
Concen: 50.040 ng
RT: 24.869 min Scan# 3707
Delta R.T. 0.004 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:252 Resp: 1096687

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	5.8	4.2	6.4





#91
Dibenzo(a,h)anthracene
Concen: 51.297 ng
RT: 28.817 min Scan# 4
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

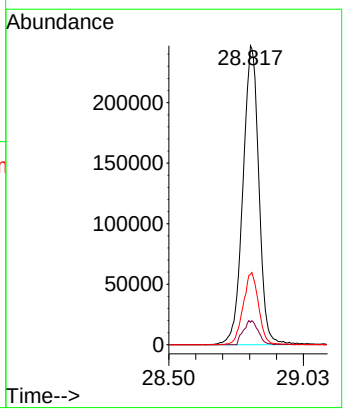
Tgt Ion:278 Resp: 107186

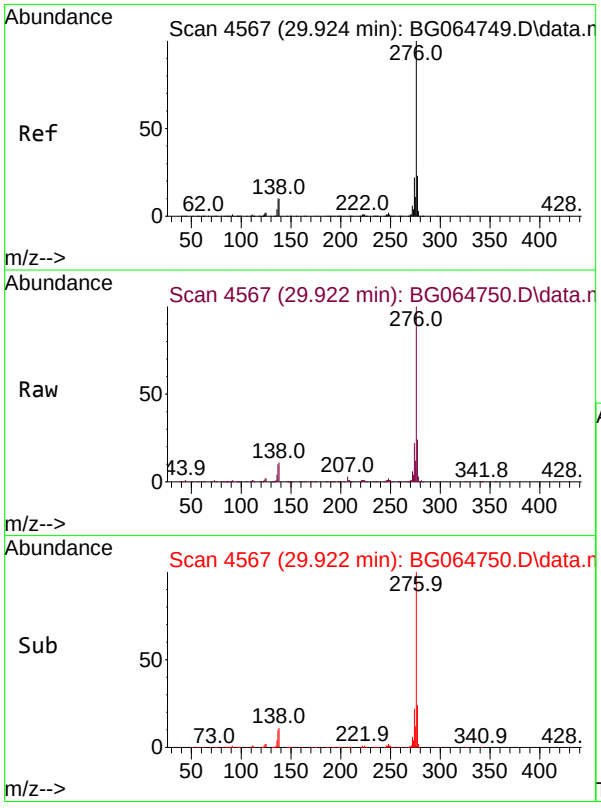
Ion	Ratio	Lower	Upper
278	100		
139	7.5	5.8	8.8
279	23.5	17.3	25.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

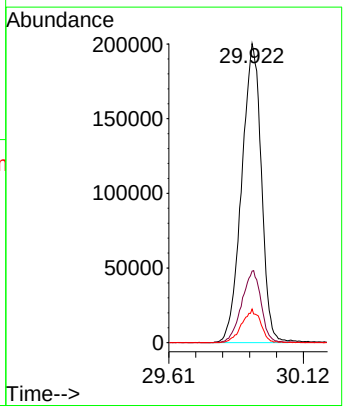




#92
Benzo(g,h,i)perylene
Concen: 51.150 ng
RT: 29.922 min Scan# 4567
Delta R.T. -0.002 min
Lab File: BG064750.D
Acq: 12 Nov 2025 14:41

Tgt Ion:276 Resp: 1028630

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.0	27.0
138	11.3	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.165	152	33014	20.000	ng	#	0.00
21) Naphthalene-d8	10.985	136	129015	20.000	ng		0.00
39) Acenaphthene-d10	14.775	164	101714	20.000	ng		0.00
64) Phenanthrene-d10	17.507	188	257987	20.000	ng		0.00
76) Chrysene-d12	21.761	240	346774	20.000	ng		0.00
86) Perylene-d12	25.022	264	359143	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	227918	120.553	ng		0.00
7) Phenol-d6	7.313	99	304043	120.912	ng		0.00
23) Nitrobenzene-d5	9.334	82	318003	121.869	ng		0.00
42) 2,4,6-Tribromophenol	16.256	330	245951	123.984	ng		0.00
45) 2-Fluorobiphenyl	13.412	172	875247	120.069	ng		0.00
79) Terphenyl-d14	20.092	244	2066057	117.198	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	41639	56.890	ng		95
3) Pyridine	3.947	79	133087	61.027	ng		98
4) n-Nitrosodimethylamine	3.853	42	66573	59.978	ng		96
6) Aniline	7.484	93	201403	60.089	ng		98
8) 2-Chlorophenol	7.730	128	121303	58.433	ng		98
9) Benzaldehyde	7.290	77	99425	60.402	ng		89
10) Phenol	7.337	94	165308	60.421	ng		99
11) bis(2-Chloroethyl)ether	7.572	93	115271	59.208	ng		97
12) 1,3-Dichlorobenzene	8.059	146	139888	58.561	ng		98
13) 1,4-Dichlorobenzene	8.206	146	143437	58.970	ng		98
14) 1,2-Dichlorobenzene	8.524	146	141531	60.010	ng		97
15) Benzyl Alcohol	8.400	79	126393	61.236	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.694	45	266169	57.760	ng		97
17) 2-Methylphenol	8.600	107	114526	59.160	ng		97
18) Hexachloroethane	9.264	117	53606	58.188	ng		99
19) n-Nitroso-di-n-propyla...	8.976	70	102626	60.360	ng		100
20) 3+4-Methylphenols	8.929	107	158700	59.841	ng		92
22) Acetophenone	8.988	105	211524	60.179	ng	#	99
24) Nitrobenzene	9.375	77	160696	60.949	ng		99
25) Isophorone	9.898	82	300843	60.543	ng		98
26) 2-Nitrophenol	10.086	139	76283	64.325	ng		93
27) 2,4-Dimethylphenol	10.139	122	130184	61.791	ng		98
28) bis(2-Chloroethoxy)met...	10.374	93	163781	60.037	ng		98
29) 2,4-Dichlorophenol	10.627	162	141372	62.500	ng		99
30) 1,2,4-Trichlorobenzene	10.844	180	161988	59.307	ng		98
31) Naphthalene	11.032	128	433362	59.254	ng		100
32) Benzoic acid	10.280	122	98796m	64.105	ng		
33) 4-Chloroaniline	11.132	127	180399	61.662	ng		97
34) Hexachlorobutadiene	11.326	225	138036	58.901	ng		97
35) Caprolactam	11.908	113	41409	61.260	ng		96
36) 4-Chloro-3-methylphenol	12.237	107	155480	61.757	ng		98
37) 2-Methylnaphthalene	12.625	142	323161	59.046	ng		99
38) 1-Methylnaphthalene	12.842	142	317238	58.353	ng		99
40) 1,2,4,5-Tetrachloroben...	12.989	216	240877	60.852	ng		99
41) Hexachlorocyclopentadiene	12.971	237	180651	63.670	ng		96
43) 2,4,6-Trichlorophenol	13.218	196	146850	63.209	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.289	196	161978	62.163	ng		96
46) 1,1'-Biphenyl	13.618	154	439700	60.188	ng		97
47) 2-Chloronaphthalene	13.665	162	347150	60.317	ng		99
48) 2-Nitroaniline	13.853	65	119346	64.470	ng		95
49) Acenaphthylene	14.505	152	600143	61.036	ng		98
50) Dimethylphthalate	14.223	163	485762	60.458	ng		98
51) 2,6-Dinitrotoluene	14.340	165	98168	63.495	ng		97
52) Acenaphthene	14.840	154	370233	62.799	ng		100
53) 3-Nitroaniline	14.669	138	99543	65.234	ng		97
54) 2,4-Dinitrophenol	14.869	184	60324	59.432	ng		89
55) Dibenzofuran	15.175	168	576483	59.147	ng		98
56) 4-Nitrophenol	14.963	139	79581	65.732	ng		96
57) 2,4-Dinitrotoluene	15.122	165	149083	64.319	ng	#	97
58) Fluorene	15.815	166	450137	58.885	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.392	232	165755	64.473	ng		97
60) Diethylphthalate	15.580	149	463685	60.243	ng		100
61) 4-Chlorophenyl-phenyle...	15.803	204	272931	59.493	ng		99
62) 4-Nitroaniline	15.827	138	102284	64.702	ng		100
63) Azobenzene	16.097	77	383102	59.841	ng		97
65) 4,6-Dinitro-2-methylph...	15.880	198	97291	67.922	ng		96
66) n-Nitrosodiphenylamine	16.015	169	408909	60.512	ng		100
67) 4-Bromophenyl-phenylether	16.696	248	207947	61.378	ng		98
68) Hexachlorobenzene	16.820	284	245522	59.815	ng		97
69) Atrazine	16.955	200	195803	60.098	ng		97
70) Pentachlorophenol	17.155	266	144648	61.120	ng		98
71) Phenanthrene	17.548	178	843427	59.753	ng		99
72) Anthracene	17.642	178	861577	59.861	ng		100
73) Carbazole	17.901	167	739493	59.766	ng		99
74) Di-n-butylphthalate	18.453	149	828062	59.986	ng		100
75) Fluoranthene	19.540	202	1141630	59.146	ng		99
77) Benzidine	19.710	184	574724	55.340	ng		99
78) Pyrene	19.904	202	1181920	60.813	ng		99
80) Butylbenzylphthalate	20.774	149	413202	60.444	ng		96
81) Benzo(a)anthracene	21.737	228	1388051	58.867	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	498737	57.466	ng		99
83) Chrysene	21.808	228	1326816	59.686	ng		99
84) Bis(2-ethylhexyl)phtha...	21.638	149	586917	58.754	ng		99
85) Di-n-octyl phthalate	22.866	149	1013682	58.705	ng		100
87) Indeno(1,2,3-cd)pyrene	28.765	276	1512216	61.287	ng	#	98
88) Benzo(b)fluoranthene	23.988	252	1405334	61.488	ng		100
89) Benzo(k)fluoranthene	24.058	252	1353541	58.948	ng		99
90) Benzo(a)pyrene	24.875	252	1281570	60.448	ng		98
91) Dibenzo(a,h)anthracene	28.823	278	1235848	61.139	ng		96
92) Benzo(g,h,i)perylene	29.934	276	1188967	61.117	ng		96

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

ICAL Form

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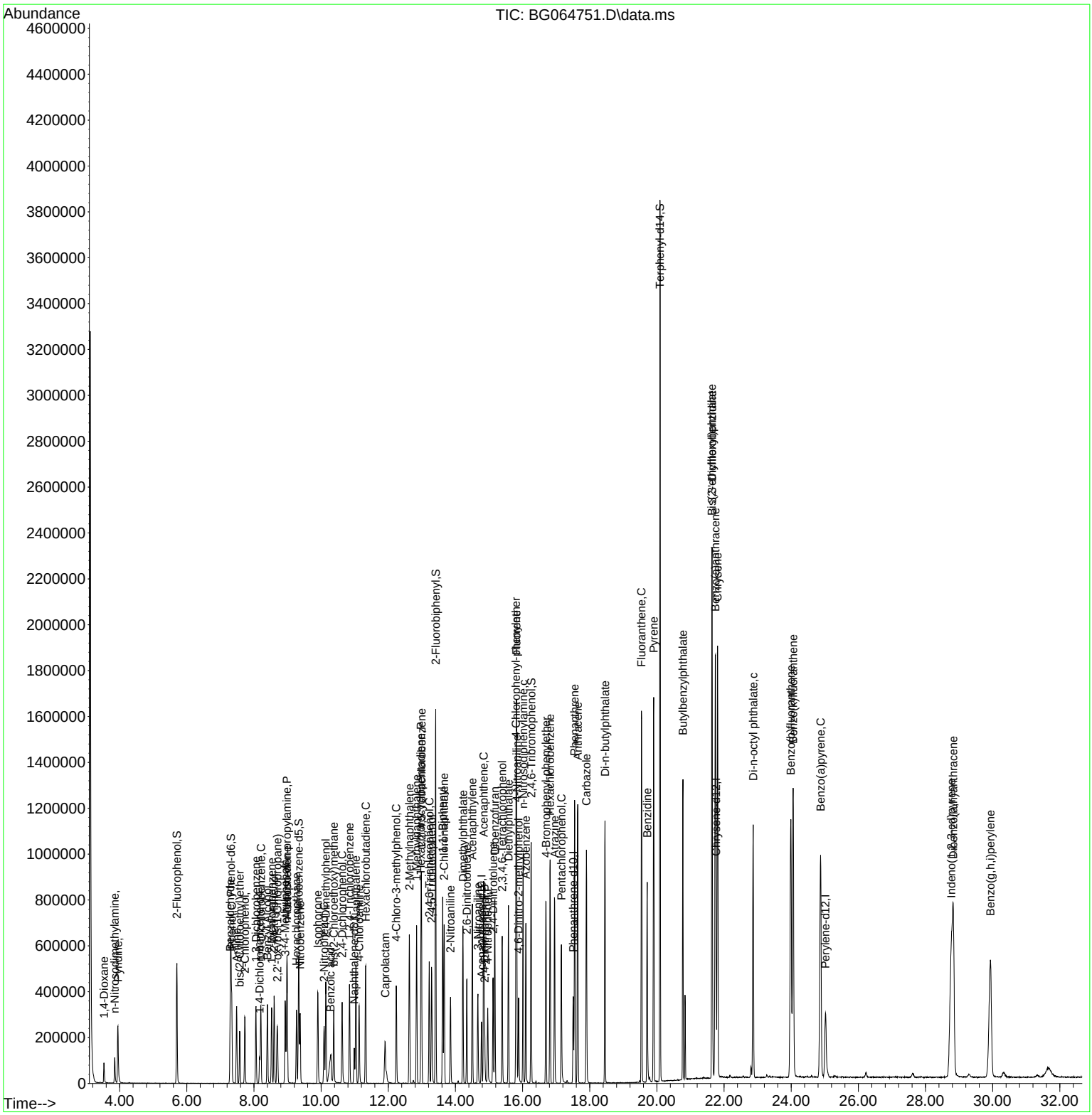
Data File : BG064751.D
Acq On : 12 Nov 2025 15:23
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

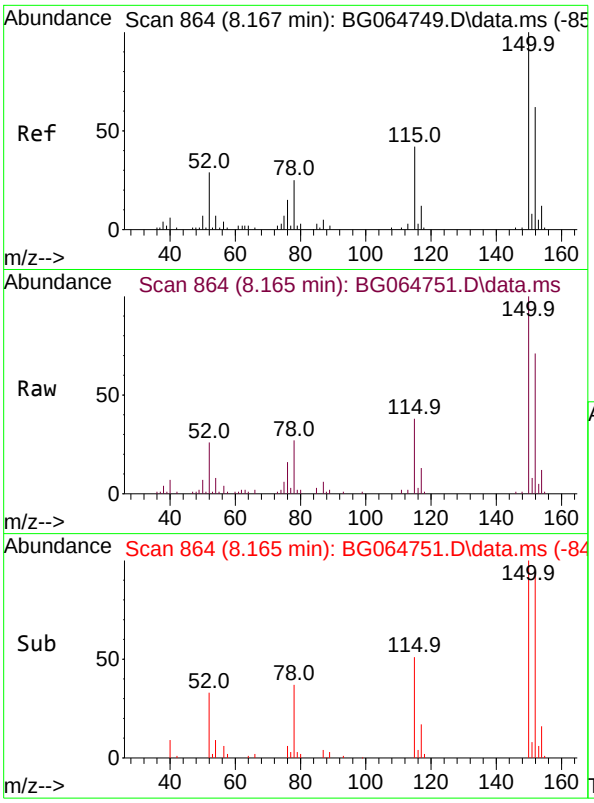
Quant Time: Nov 12 16:58:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

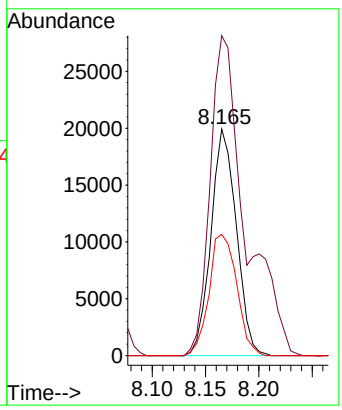




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:152 Resp: 3301

Ion	Ratio	Lower	Upper
152	100		
150	141.3	129.2	193.8
115	53.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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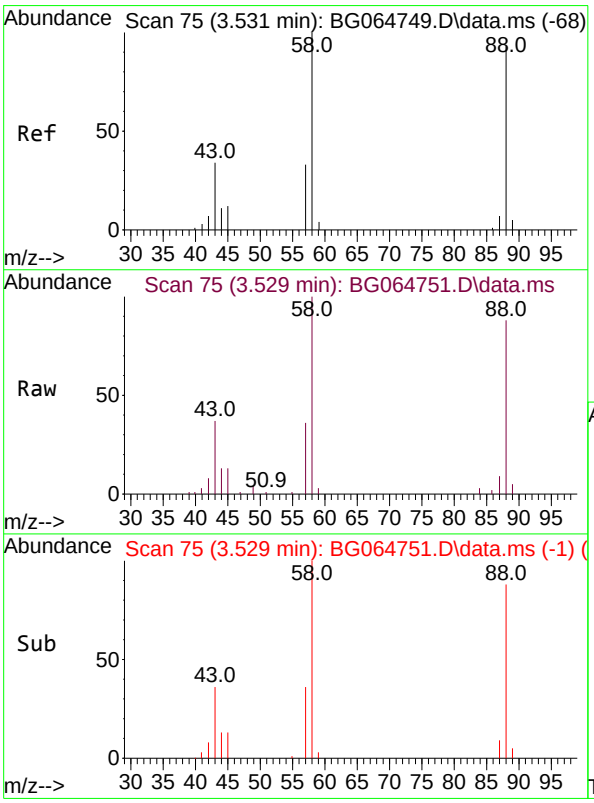
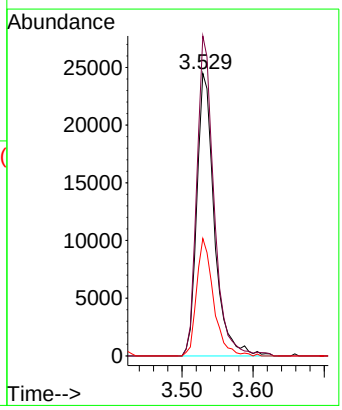
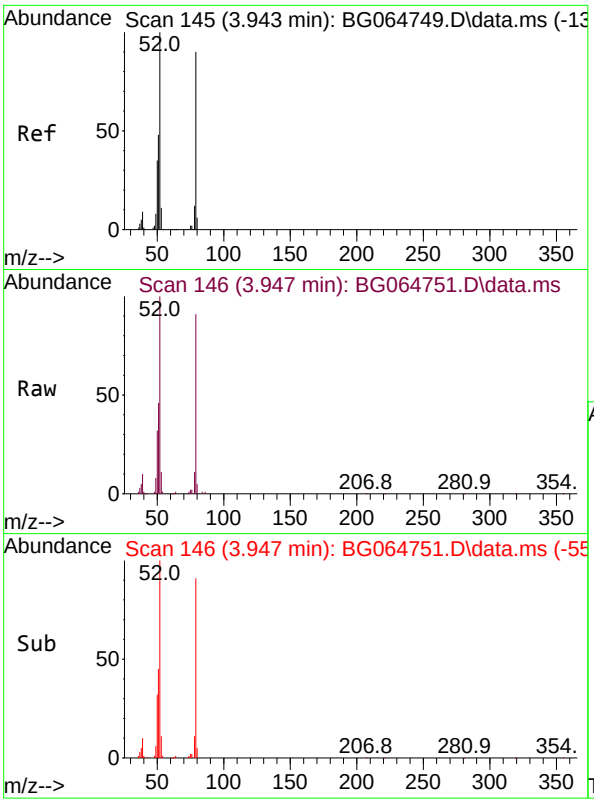


#2
1,4-Dioxane
Concen: 56.890 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 88 Resp: 41639

Ion	Ratio	Lower	Upper
88	100		
58	111.2	84.6	126.8
43	40.2	30.0	45.0

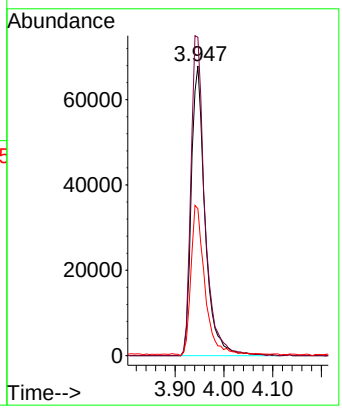




#3
Pyridine
Concen: 61.027 ng
RT: 3.947 min Scan# 14
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 79 Resp: 13308

Ion	Ratio	Lower	Upper
79	100		
52	109.8	89.0	133.4
51	50.7	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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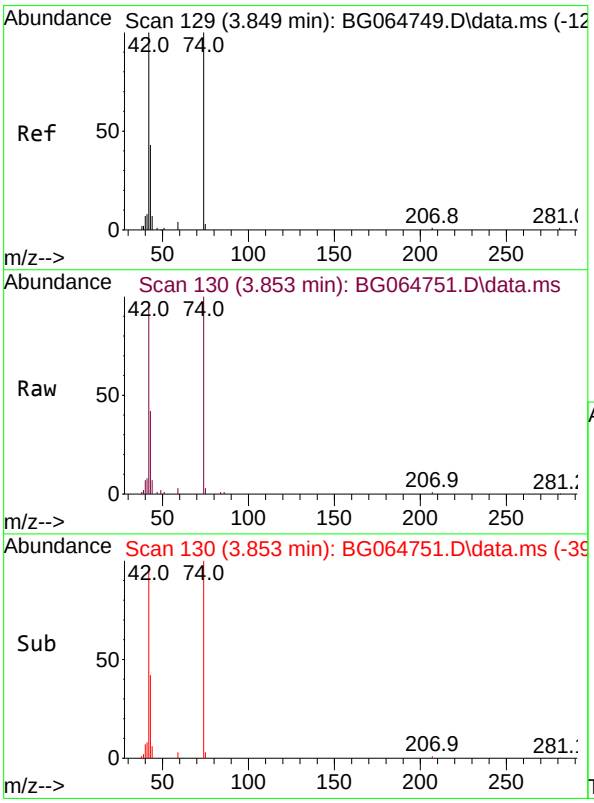
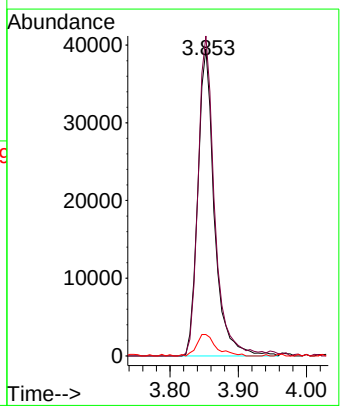
Supervised By :Sohil Jodhani 11/14/2025

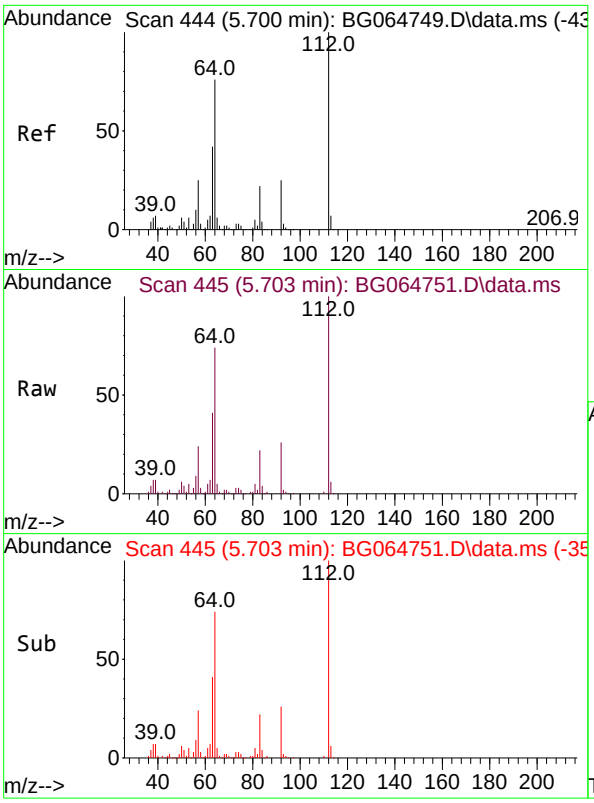


#4
n-Nitrosodimethylamine
Concen: 59.978 ng
RT: 3.853 min Scan# 130
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 42 Resp: 66573

Ion	Ratio	Lower	Upper
42	100		
74	104.2	79.8	119.6
44	7.0	5.9	8.9





#5
2-Fluorophenol
Concen: 120.553 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:112 Resp: 22791

Ion	Ratio	Lower	Upper
112	100		
64	74.0	61.0	91.4
63	41.3	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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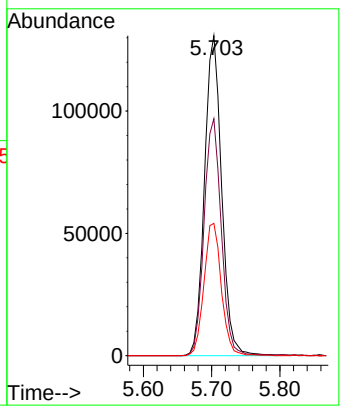
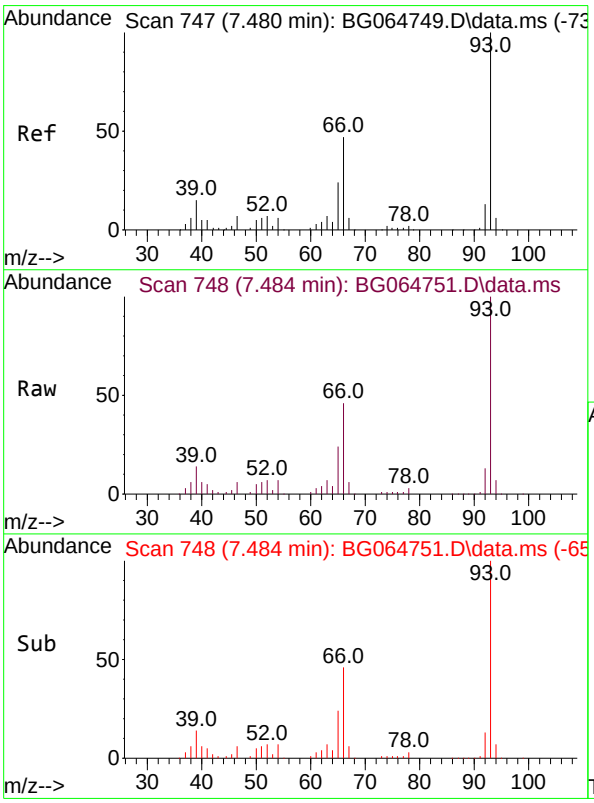
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

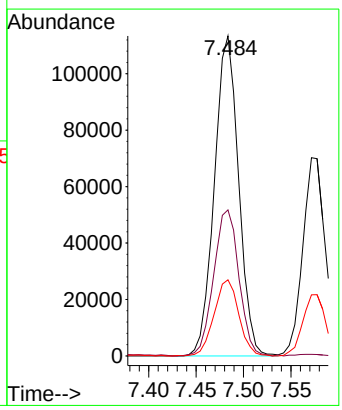


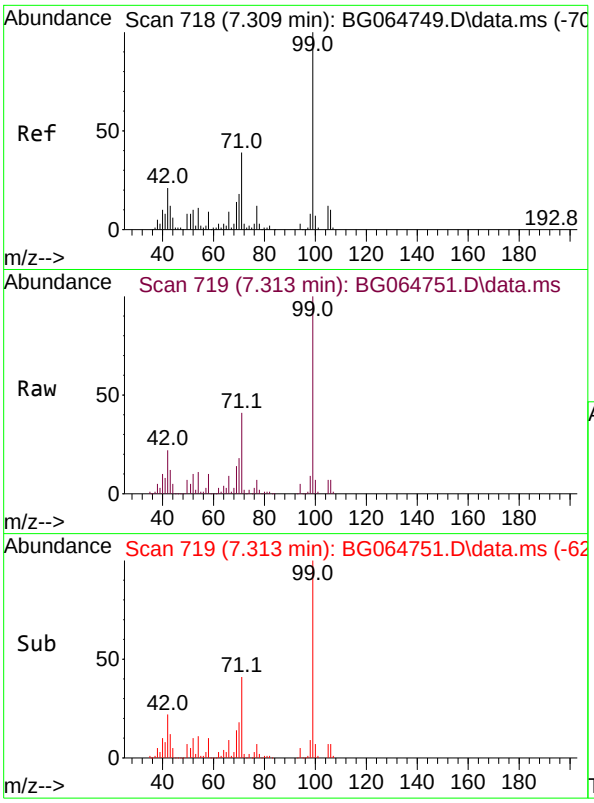


#6
Aniline
Concen: 60.089 ng
RT: 7.484 min Scan# 748
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 201403

Ion	Ratio	Lower	Upper
93	100		
66	45.6	37.7	56.5
65	23.8	19.1	28.7

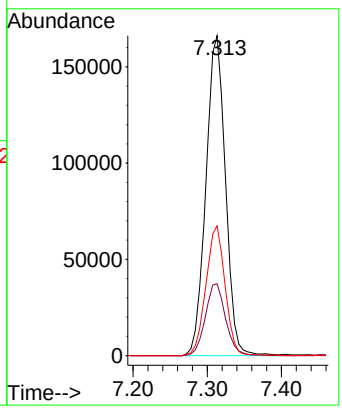




#7
Phenol-d6
Concen: 120.912 ng
RT: 7.313 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 99 Resp: 30404

Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	40.6	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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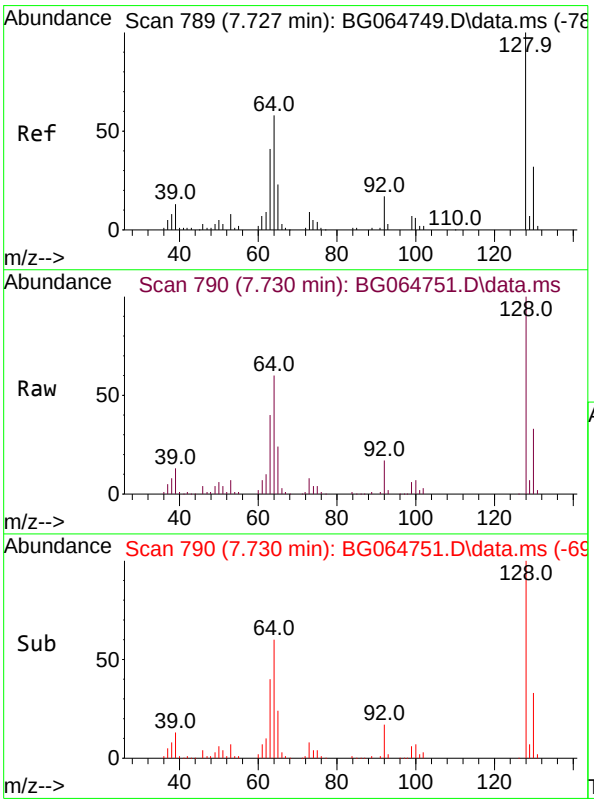
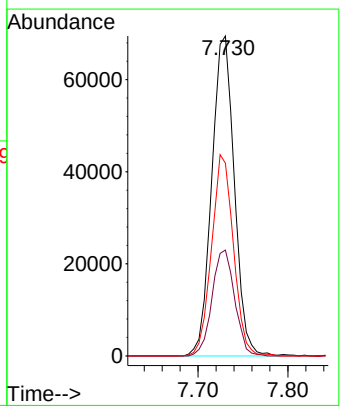
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

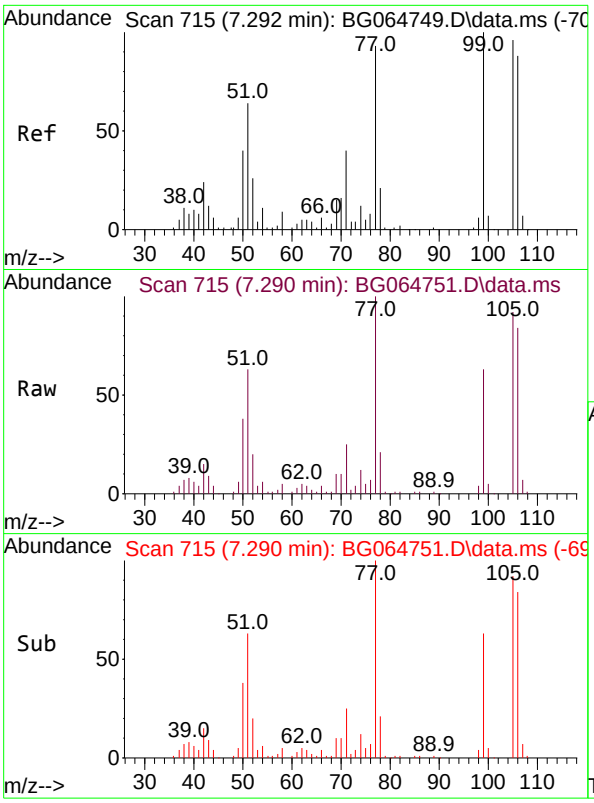


#8
2-Chlorophenol
Concen: 58.433 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:128 Resp: 121303

Ion	Ratio	Lower	Upper
128	100		
130	33.1	11.9	51.9
64	60.2	38.4	78.4

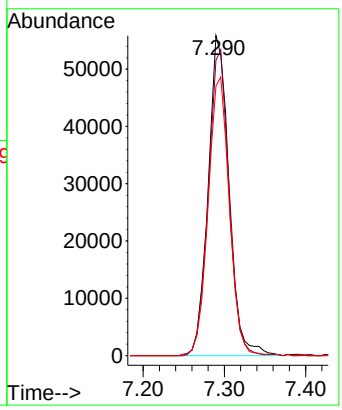




#9
Benzaldehyde
Concen: 60.402 ng
RT: 7.290 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 77 Resp: 9942

Ion	Ratio	Lower	Upper
77	100		
105	92.3	83.8	123.8
106	84.2	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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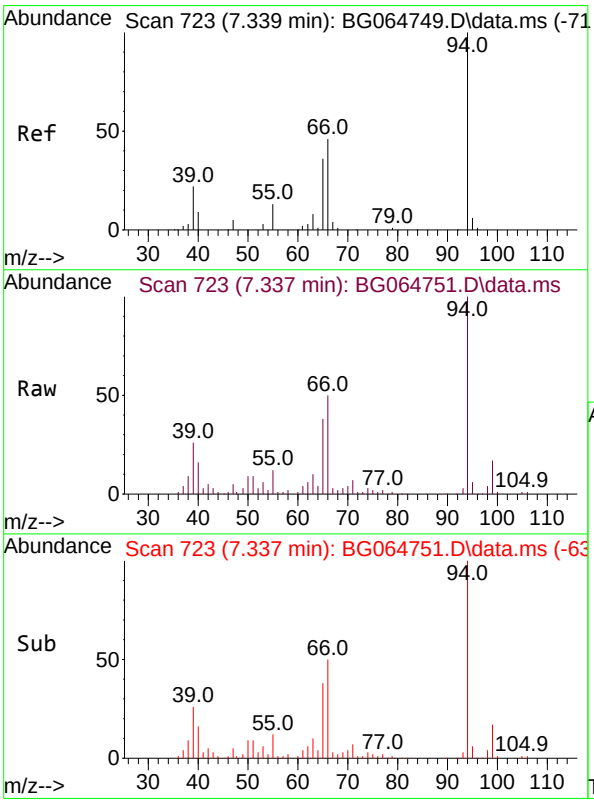
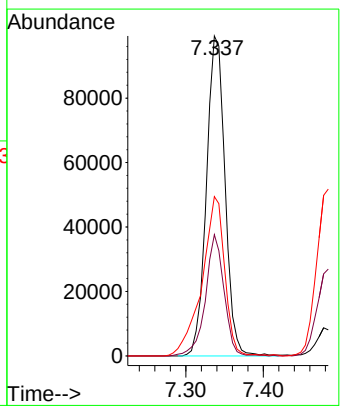
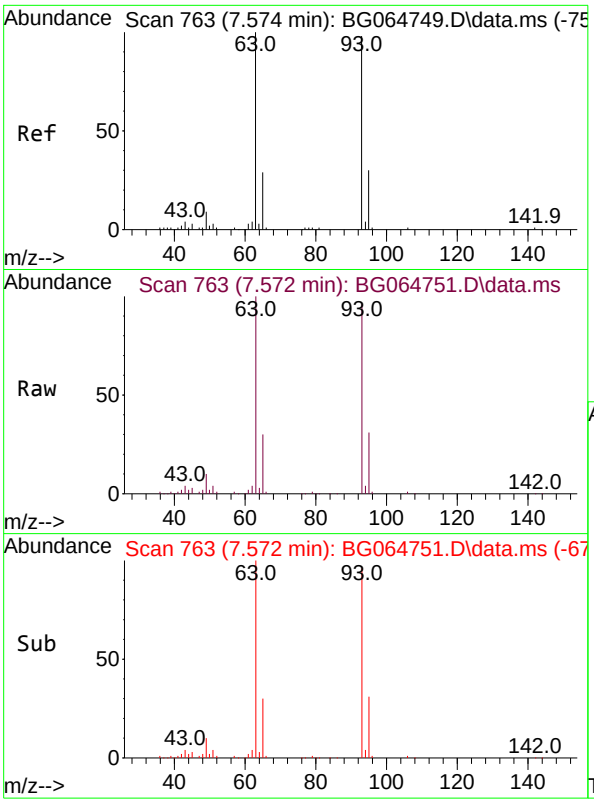


#10
Phenol
Concen: 60.421 ng
RT: 7.337 min Scan# 723
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 94 Resp: 165308

Ion	Ratio	Lower	Upper
94	100		
65	37.9	17.0	57.0
66	49.8	29.8	69.8

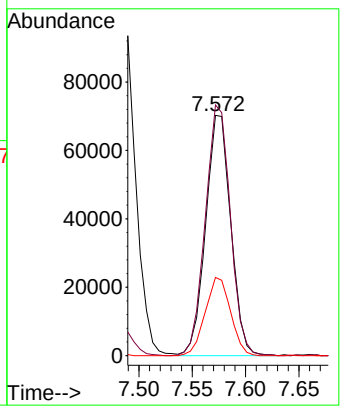




#11
bis(2-Chloroethyl)ether
Concen: 59.208 ng
RT: 7.572 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 11527

Ion	Ratio	Lower	Upper
93	100		
63	104.4	81.8	121.8
95	32.6	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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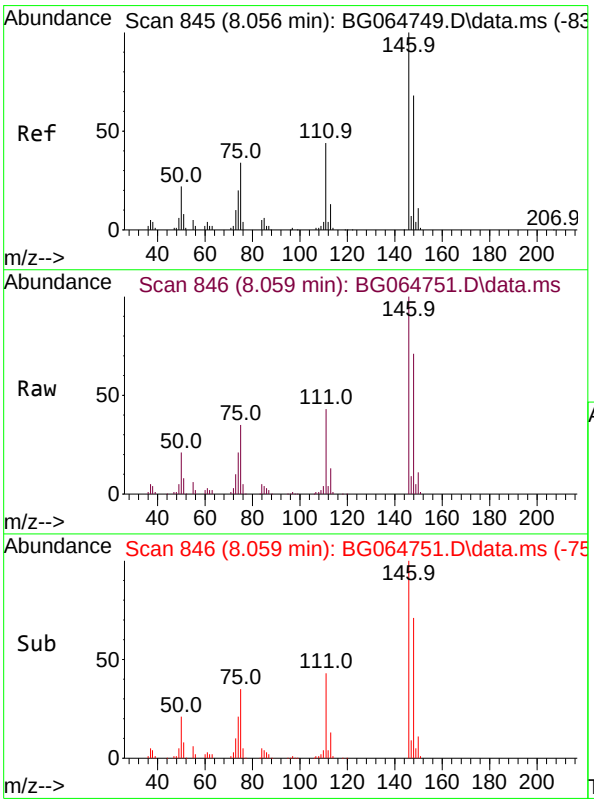
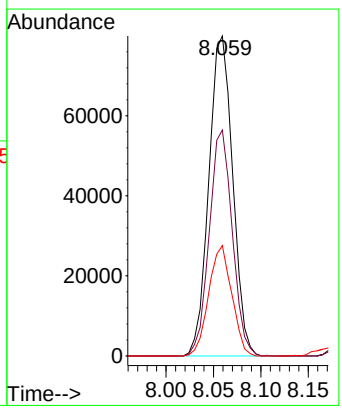
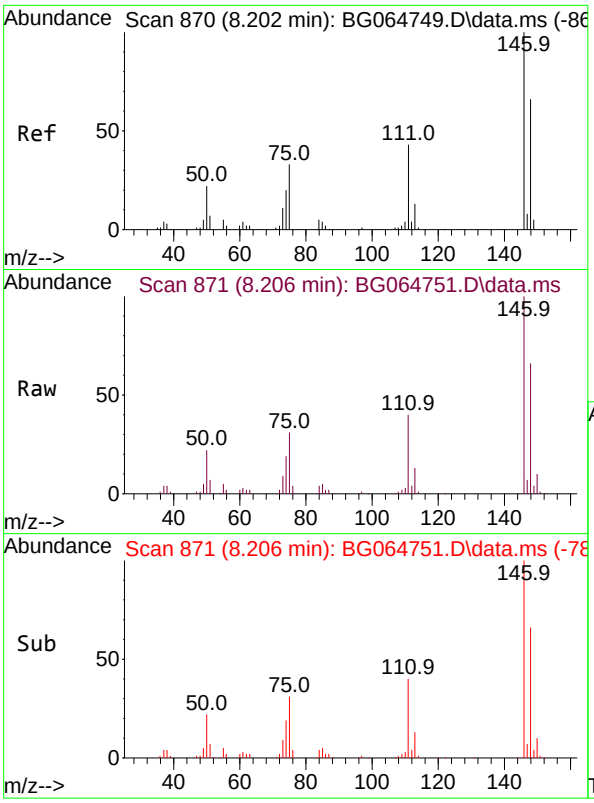


#12
1,3-Dichlorobenzene
Concen: 58.561 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 139888

Ion	Ratio	Lower	Upper
146	100		
148	70.6	54.6	82.0
75	34.5	27.6	41.4

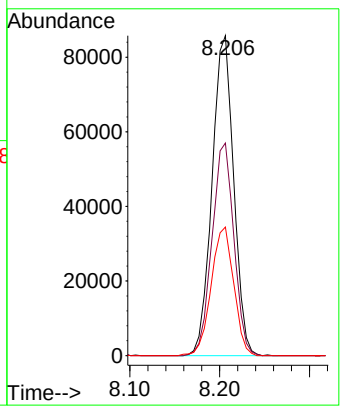




#13
1,4-Dichlorobenzene
Concen: 58.970 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 14343

Ion	Ratio	Lower	Upper
146	100		
148	66.4	53.1	79.7
111	40.2	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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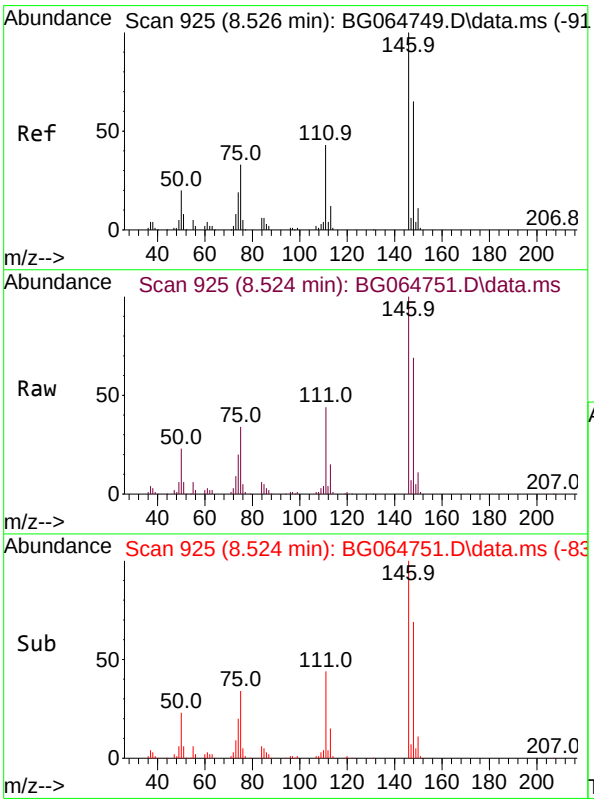
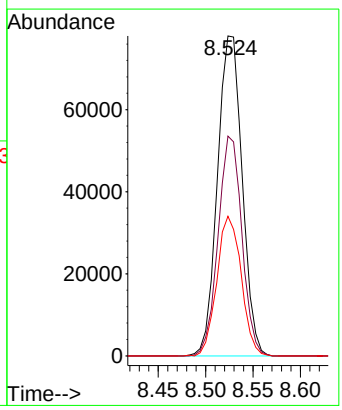
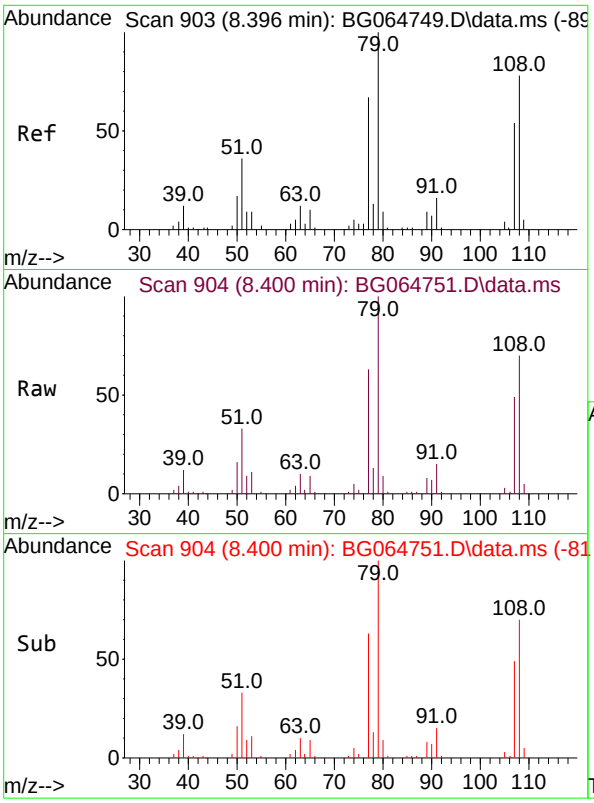


#14
1,2-Dichlorobenzene
Concen: 60.010 ng
RT: 8.524 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:146 Resp: 141531

Ion	Ratio	Lower	Upper
146	100		
148	68.7	52.0	78.0
111	43.6	34.7	52.1

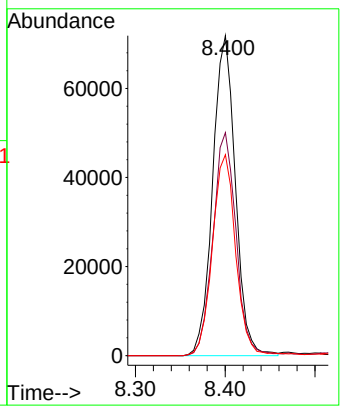




#15
Benzyl Alcohol
Concen: 61.236 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 79 Resp: 12639

Ion	Ratio	Lower	Upper
79	100		
108	69.7	62.3	93.5
77	62.8	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
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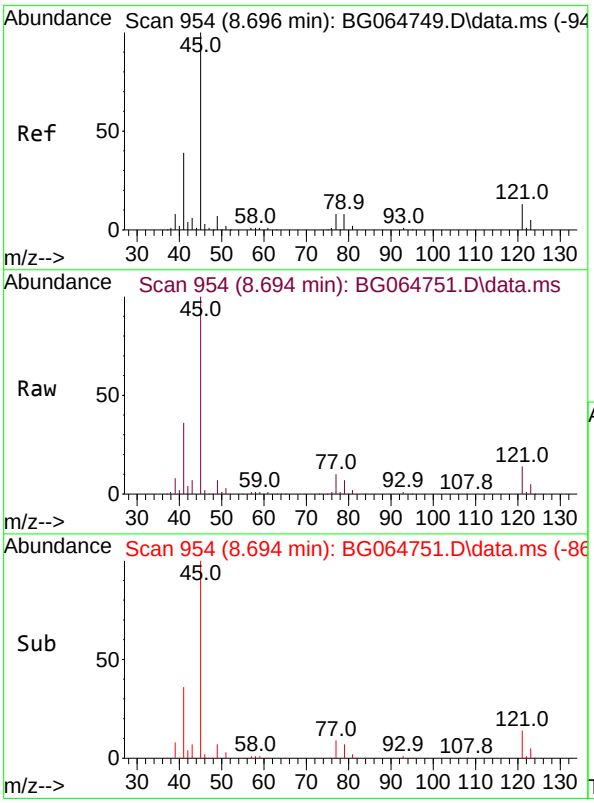
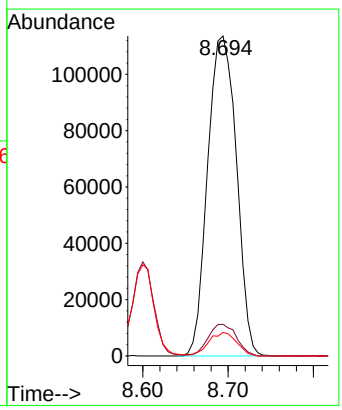
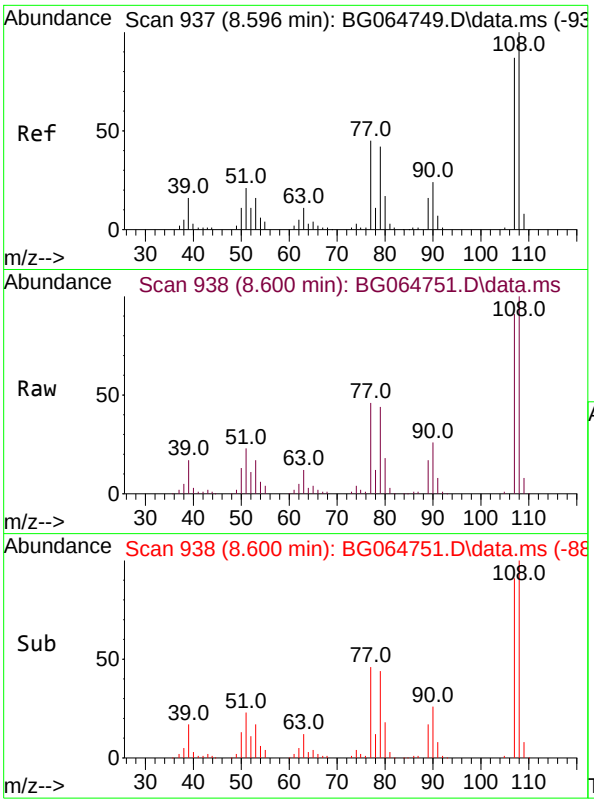


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.760 ng
RT: 8.694 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 45 Resp: 266169

Ion	Ratio	Lower	Upper
45	100		
77	9.9	0.0	28.8
79	7.3	0.0	28.1

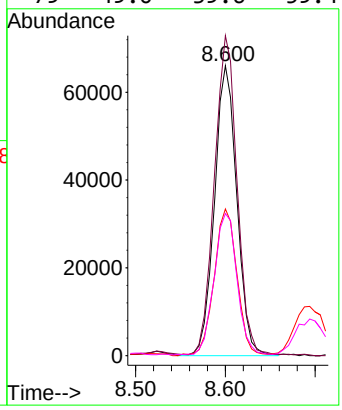




#17
2-Methylphenol
Concen: 59.160 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 11452

Ion	Ratio	Lower	Upper
107	100		
108	110.4	92.6	138.8
77	50.6	41.2	61.8
79	49.0	39.6	59.4



Instrument :
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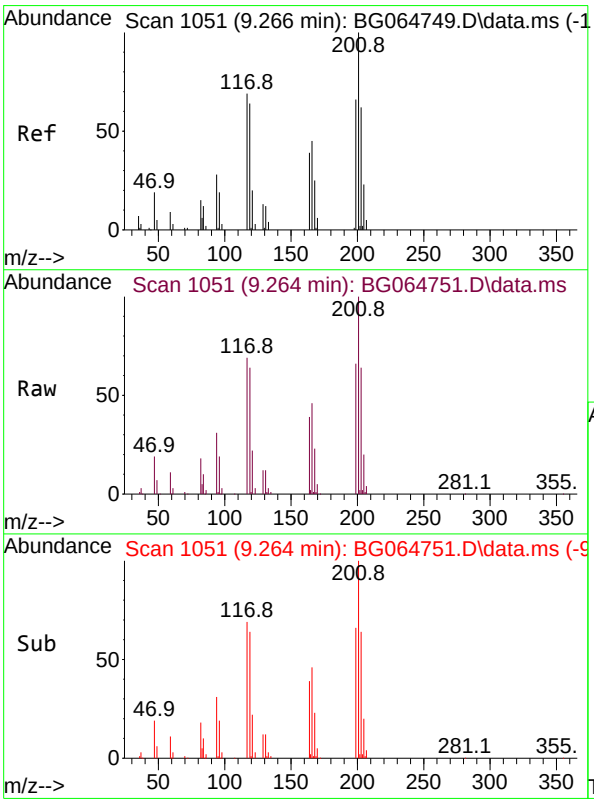
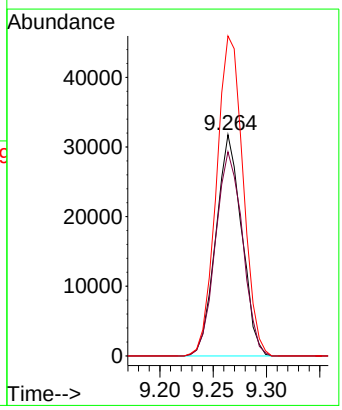
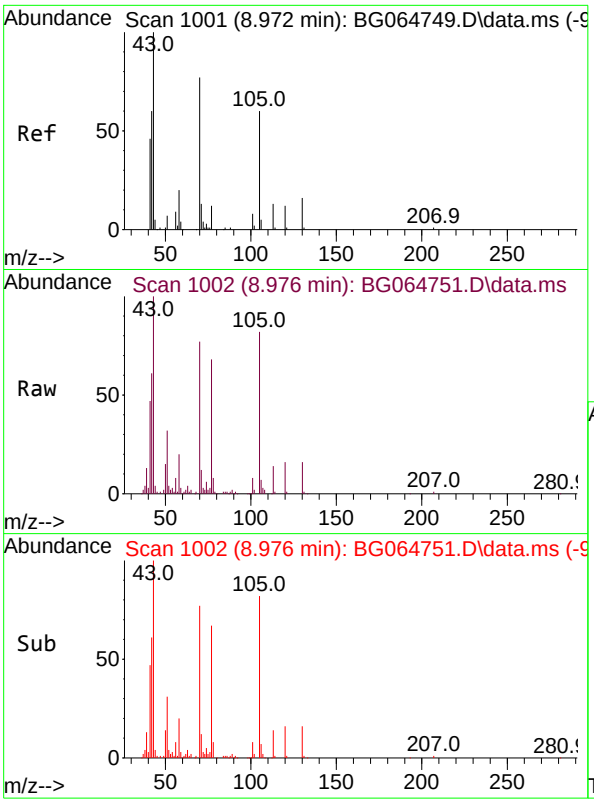


#18
Hexachloroethane
Concen: 58.188 ng
RT: 9.264 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:117 Resp: 53606

Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.4	111.6
201	144.6	116.5	174.7

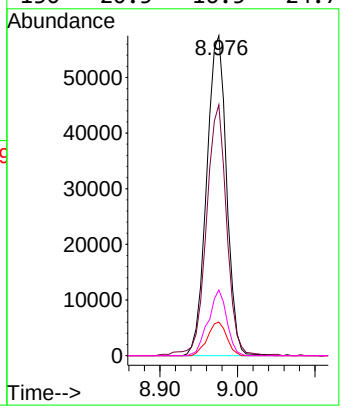




#19
n-Nitroso-di-n-propylamine
Concen: 60.360 ng
RT: 8.976 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 70 Resp: 10262

Ion	Ratio	Lower	Upper
70	100		
42	78.4	62.6	93.8
101	10.5	8.0	12.0
130	20.5	16.5	24.7



Instrument :
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ClientSampleId :
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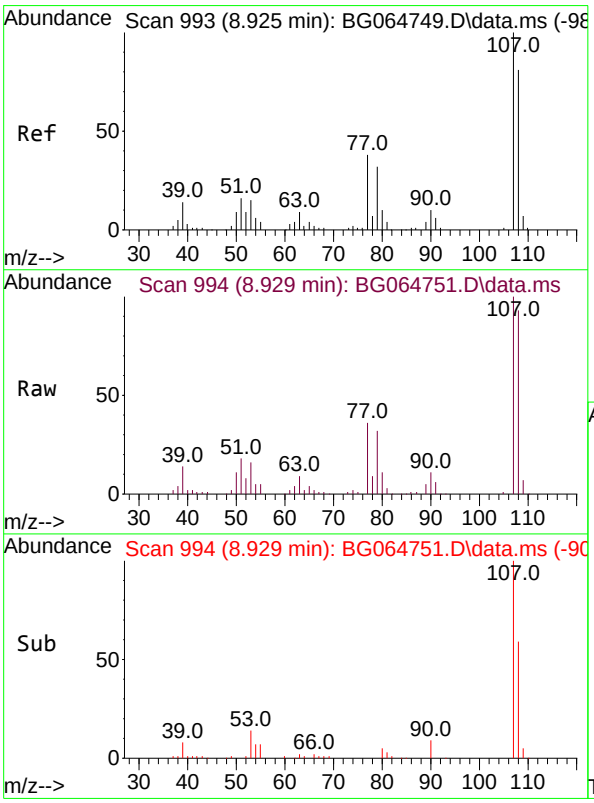
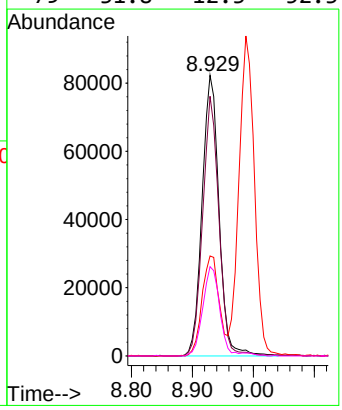
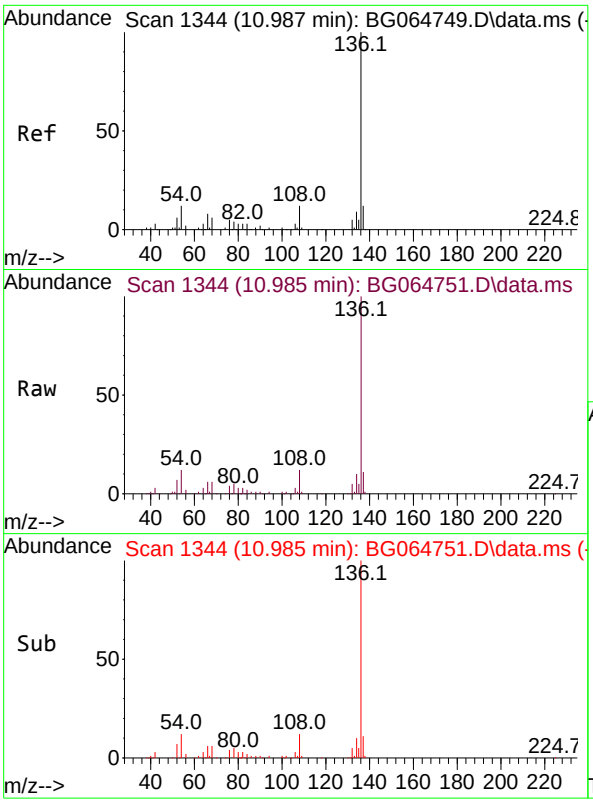


#20
3+4-Methylphenols
Concen: 59.841 ng
RT: 8.929 min Scan# 994
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 158700

Ion	Ratio	Lower	Upper
107	100		
108	92.5	61.0	101.0
77	35.6	17.6	57.6
79	31.8	12.3	52.3

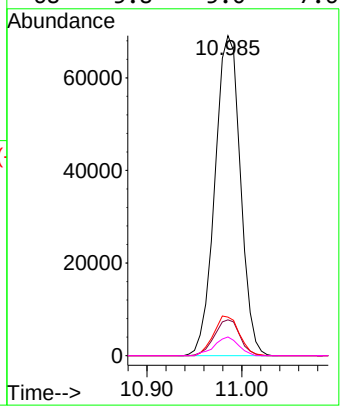




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:136 Resp: 12901

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	12.1	9.3	13.9
68	5.8	5.0	7.6



Instrument :
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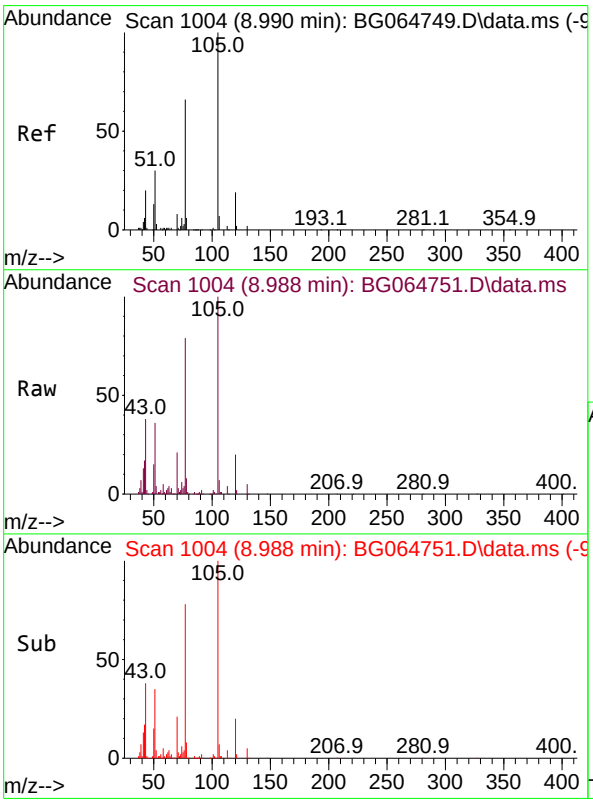
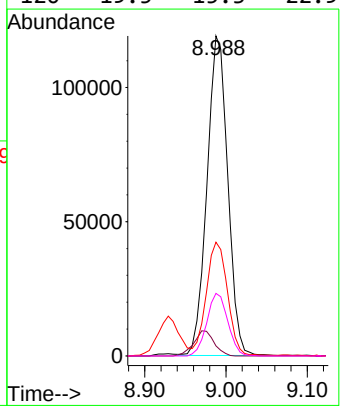
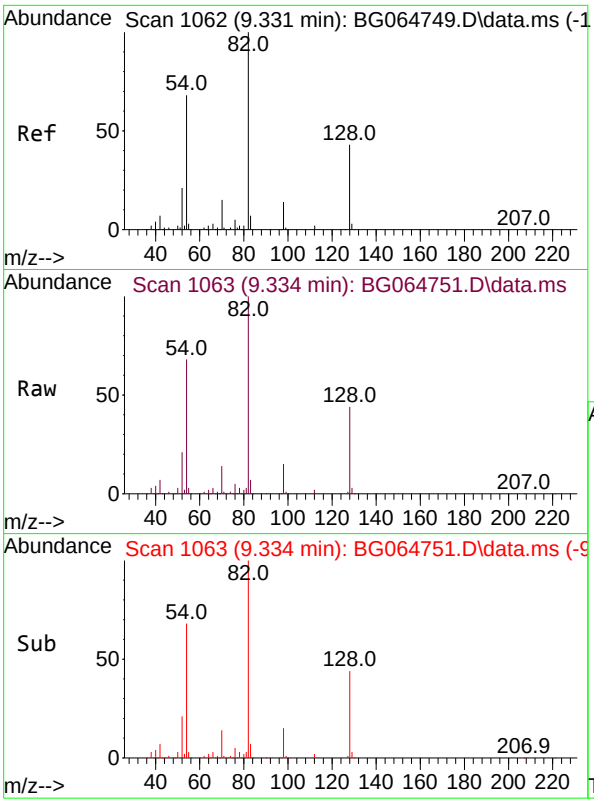


#22
Acetophenone
Concen: 60.179 ng
RT: 8.988 min Scan# 1004
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:105 Resp: 211524

Ion	Ratio	Lower	Upper
105	100		
71	3.1	1.3	1.9#
51	35.5	27.9	41.9
120	19.5	15.3	22.9

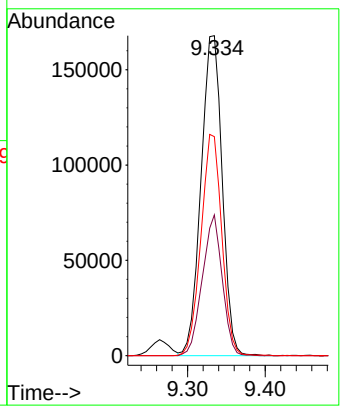




#23
Nitrobenzene-d5
Concen: 121.869 ng
RT: 9.334 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 82 Resp: 31800

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.1	51.1
54	68.4	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
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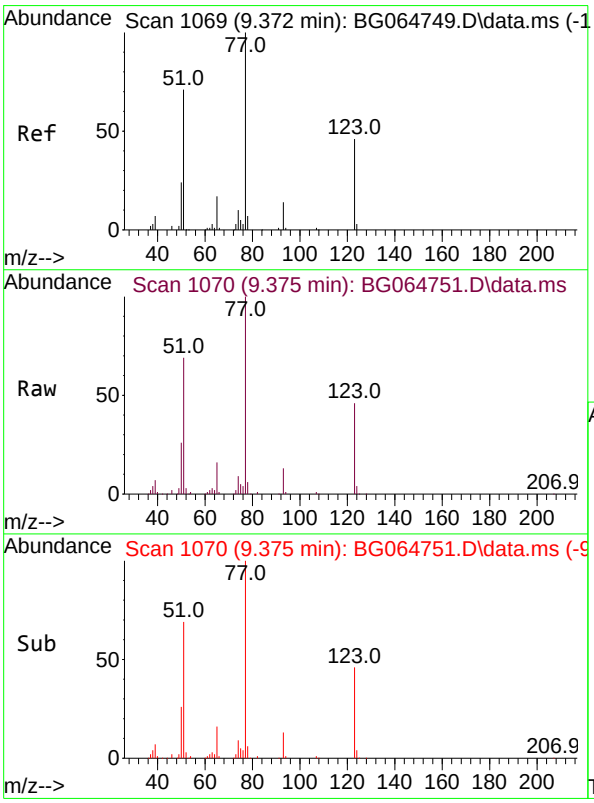
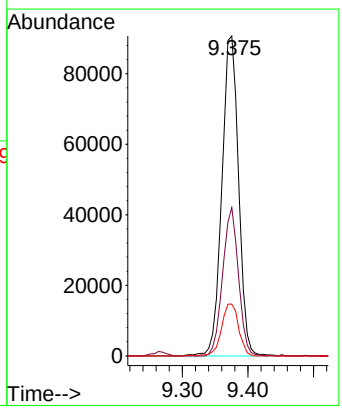
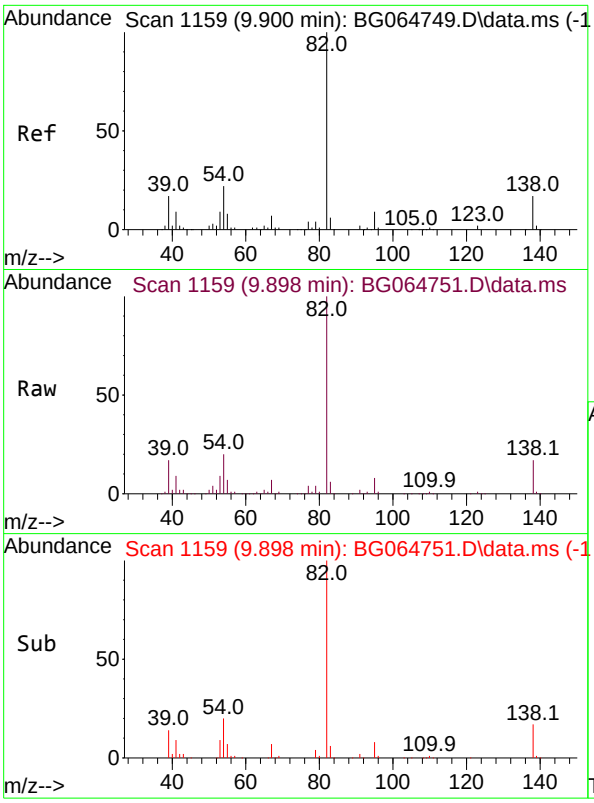


#24
Nitrobenzene
Concen: 60.949 ng
RT: 9.375 min Scan# 1070
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 77 Resp: 160696

Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.5	54.7
65	16.2	13.5	20.3

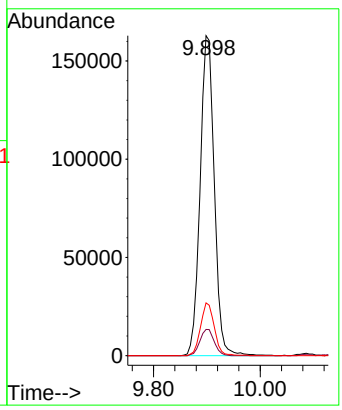




#25
Isophorone
Concen: 60.543 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 82 Resp: 300843

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.9	10.3
138	16.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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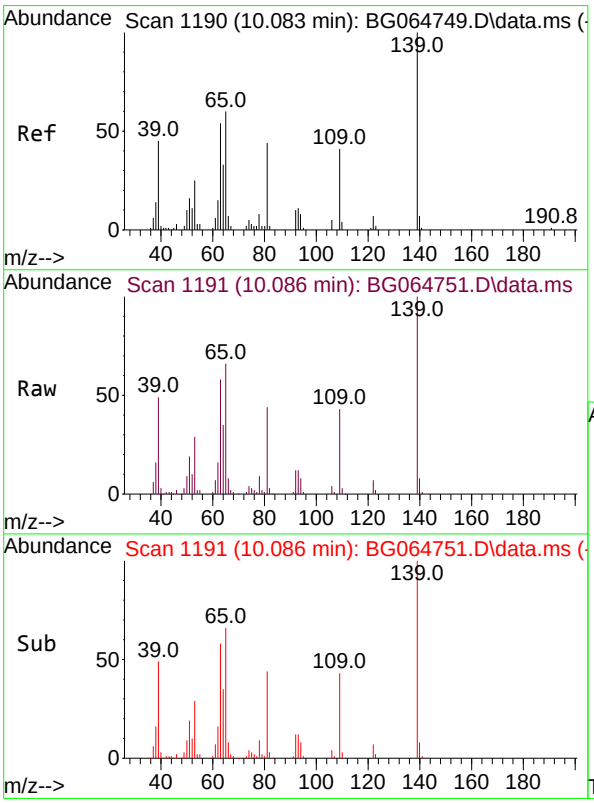
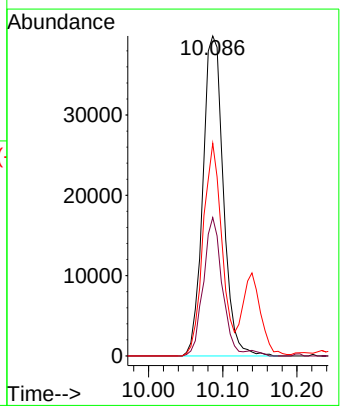
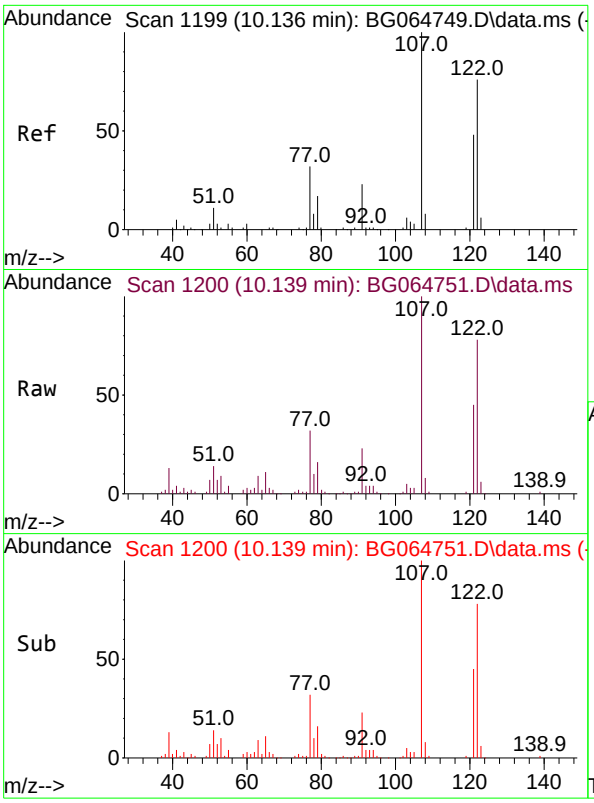


#26
2-Nitrophenol
Concen: 64.325 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:139 Resp: 76283

Ion	Ratio	Lower	Upper
139	100		
109	43.2	32.5	48.7
65	66.4	47.6	71.4

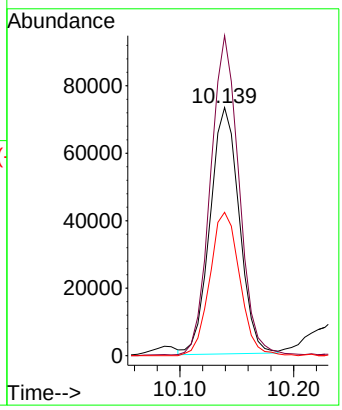




#27
2,4-Dimethylphenol
Concen: 61.791 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:122 Resp: 13018

Ion	Ratio	Lower	Upper
122	100		
107	128.9	102.5	153.7
121	57.7	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
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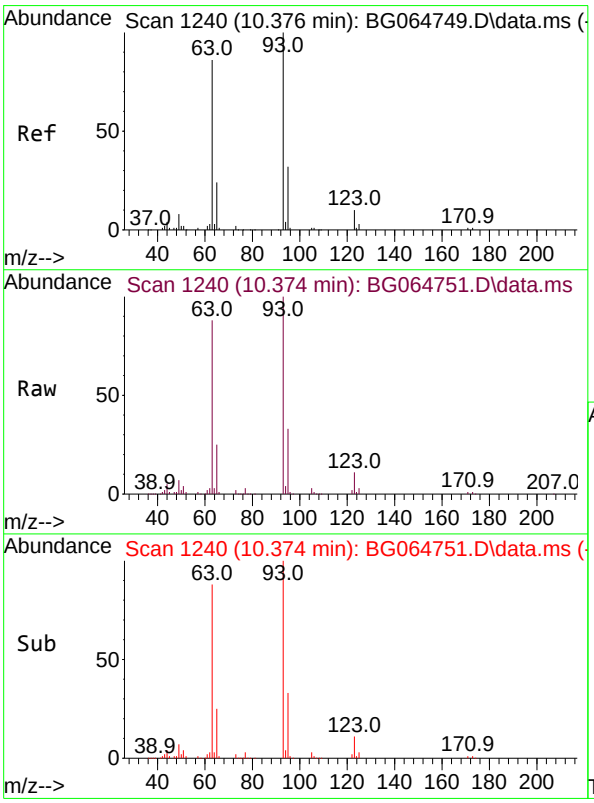
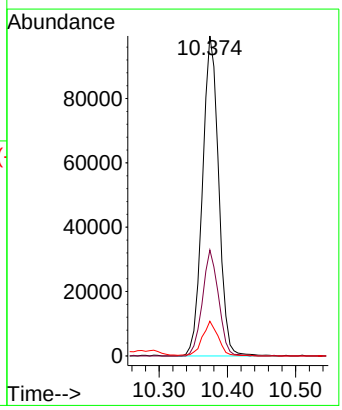
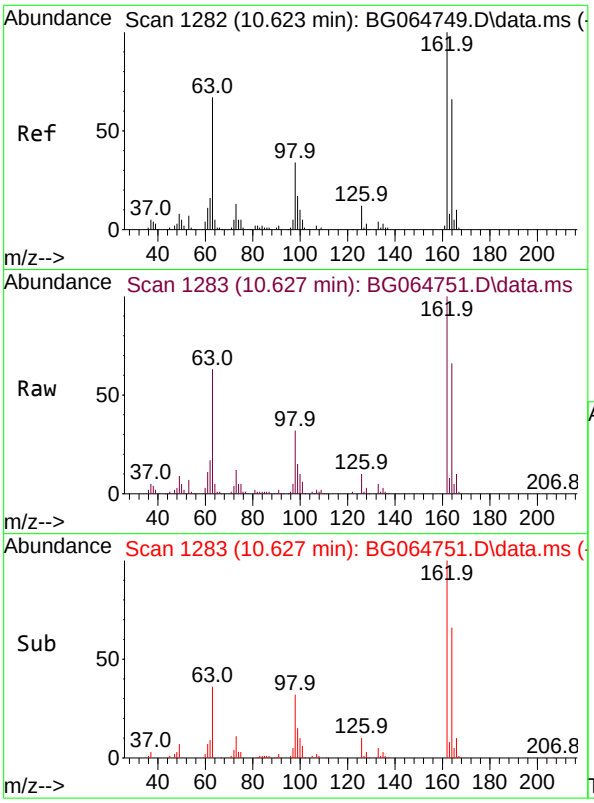


#28
bis(2-Chloroethoxy)methane
Concen: 60.037 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 93 Resp: 163781

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.4	38.2
123	10.8	8.1	12.1





#29
2,4-Dichlorophenol
Concen: 62.500 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:162 Resp: 14137

Ion	Ratio	Lower	Upper
162	100		
164	66.1	46.0	86.0
98	32.4	14.2	54.2

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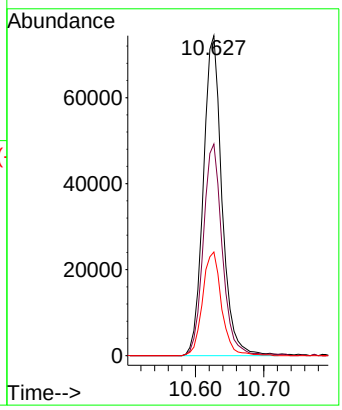
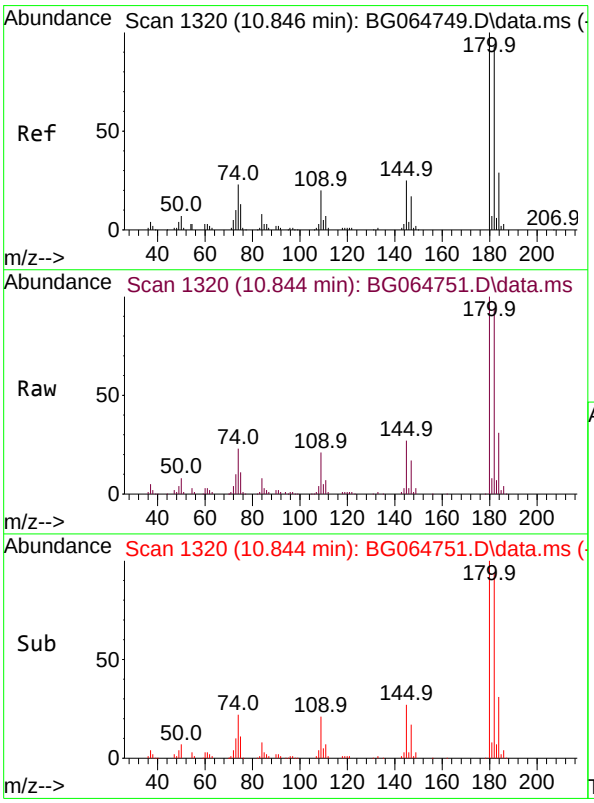
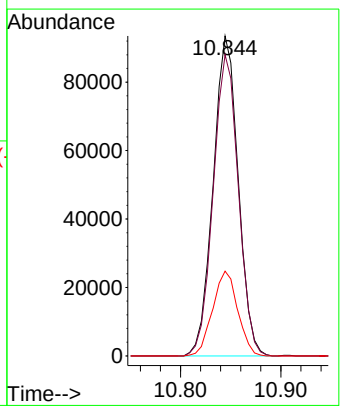


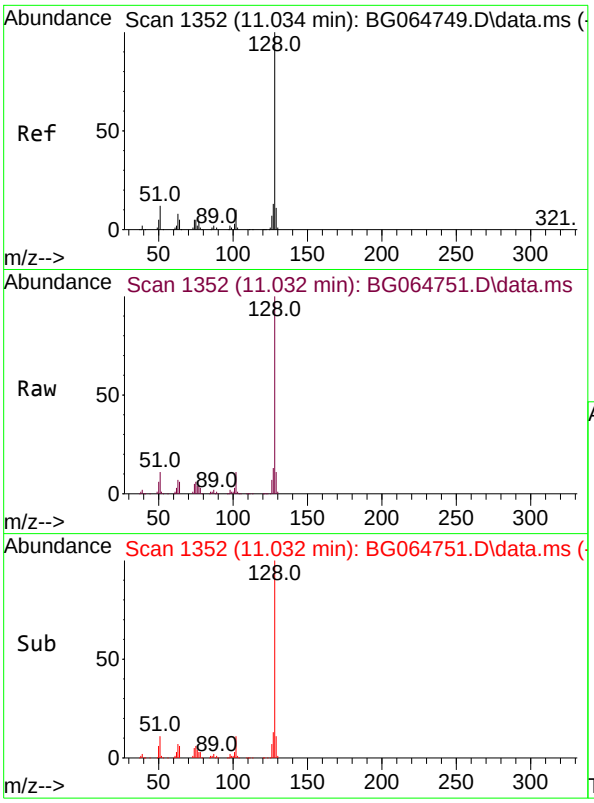


#30
1,2,4-Trichlorobenzene
Concen: 59.307 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:180 Resp: 161988

Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.2	111.4
145	26.5	20.0	30.0

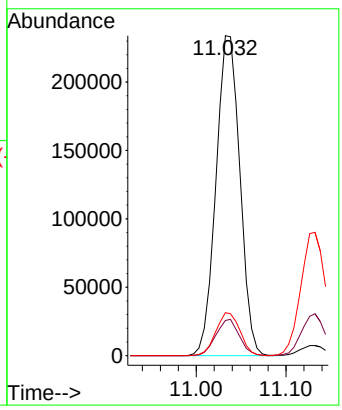




#31
Naphthalene
Concen: 59.254 ng
RT: 11.032 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:128 Resp: 43336

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	16.0



Instrument :
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ClientSampleId :
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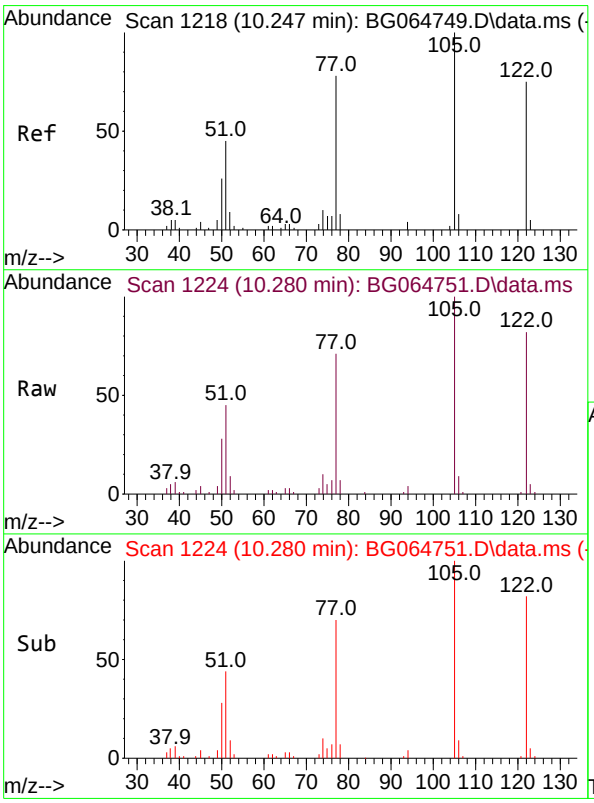
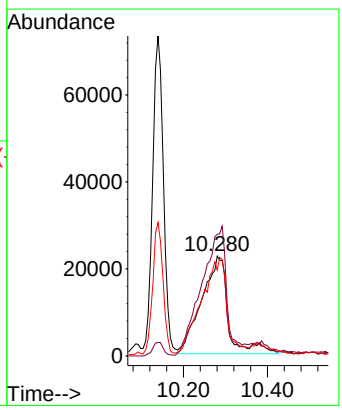
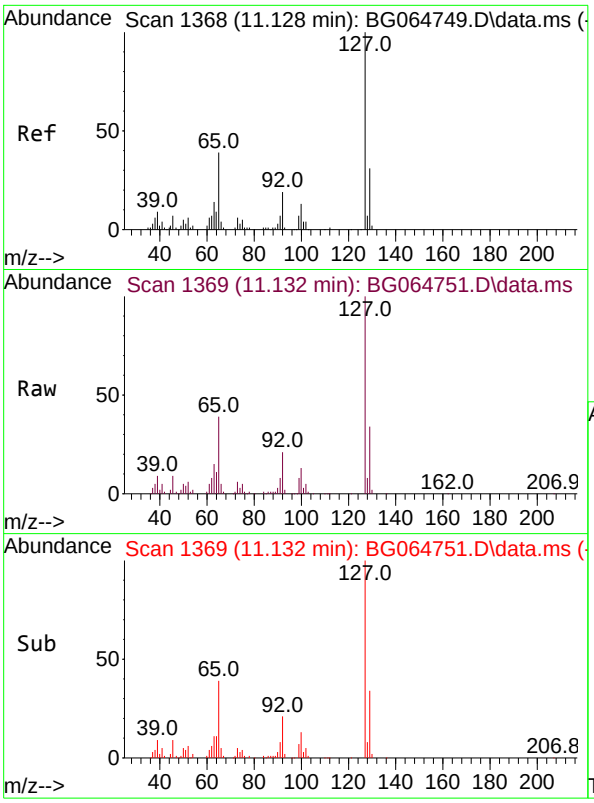


#32
Benzoic acid
Concen: 64.105 ng m
RT: 10.280 min Scan# 1224
Delta R.T. 0.033 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:122 Resp: 98796

Ion	Ratio	Lower	Upper
122	100		
105	122.0	107.6	147.6
77	86.1	82.5	122.5

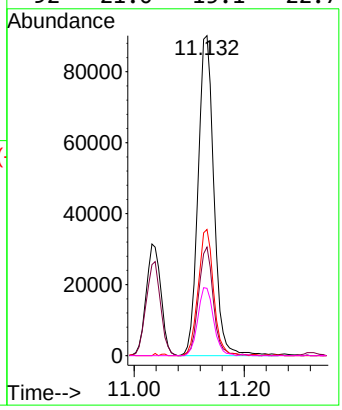




#33
4-Chloroaniline
Concen: 61.662 ng
RT: 11.132 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:127 Resp: 180399

Ion	Ratio	Lower	Upper
127	100		
129	33.9	24.9	37.3
65	39.4	30.9	46.3
92	21.0	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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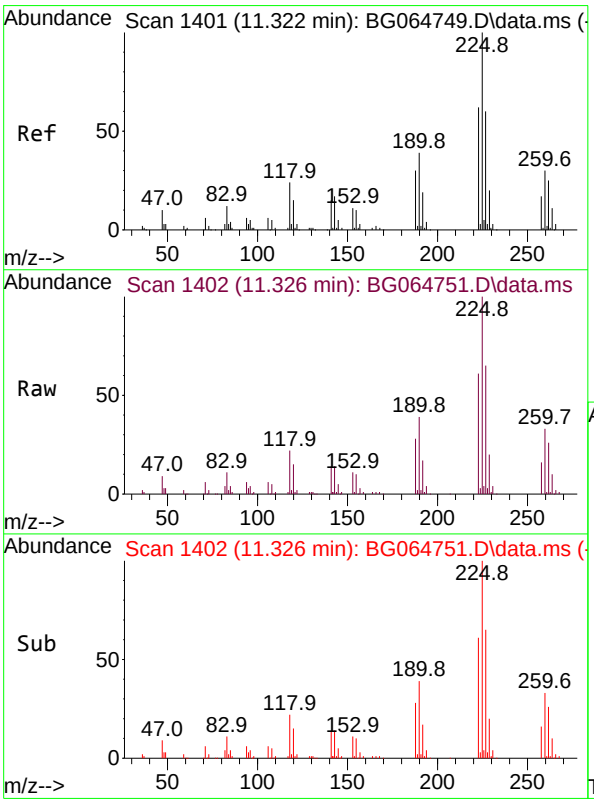
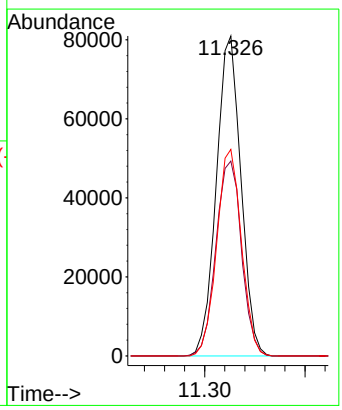
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

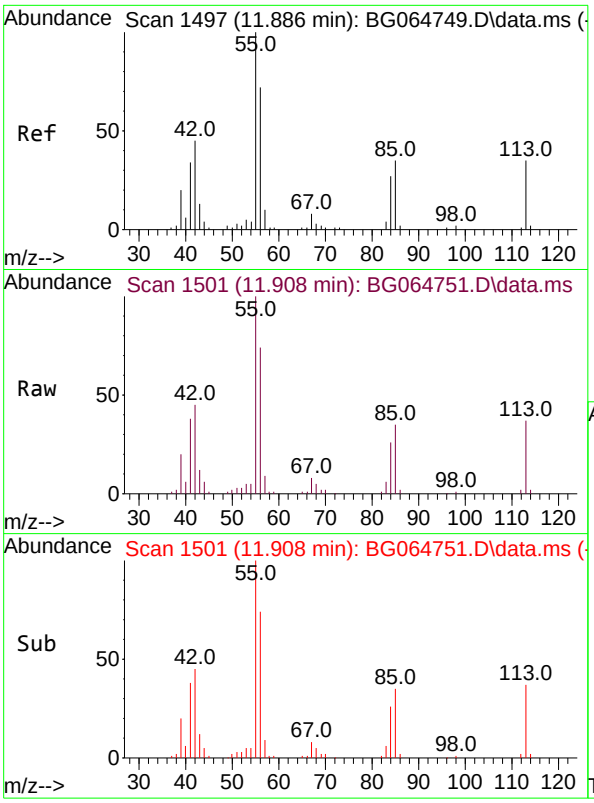


#34
Hexachlorobutadiene
Concen: 58.901 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:225 Resp: 138036

Ion	Ratio	Lower	Upper
225	100		
223	58.6	49.9	74.9
227	62.1	50.6	75.8





#35
Caprolactam
Concen: 61.260 ng
RT: 11.908 min Scan# 1
Delta R.T. 0.021 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:113 Resp: 4140

Ion	Ratio	Lower	Upper
113	100		
55	273.1	263.7	303.7
56	202.3	184.0	224.0

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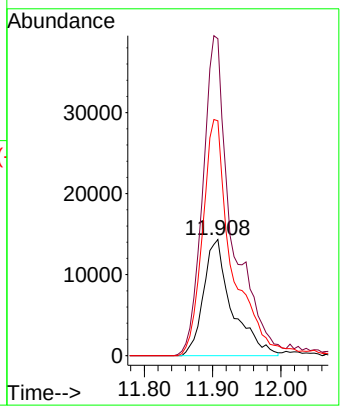
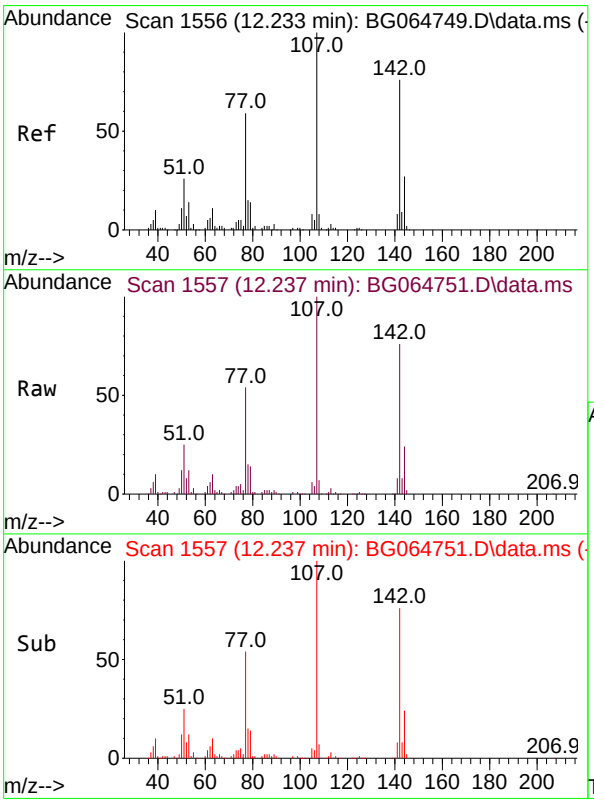
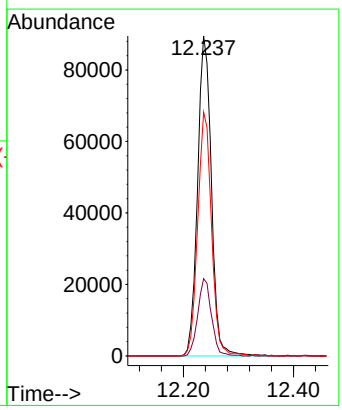


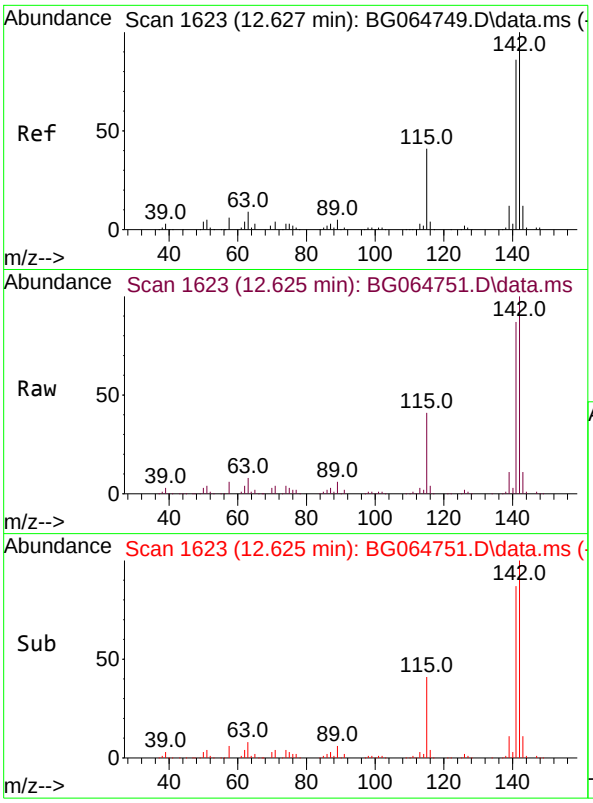


#36
4-Chloro-3-methylphenol
Concen: 61.757 ng
RT: 12.237 min Scan# 1557
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:107 Resp: 155480

Ion	Ratio	Lower	Upper
107	100		
144	24.1	21.7	32.5
142	76.2	60.8	91.2

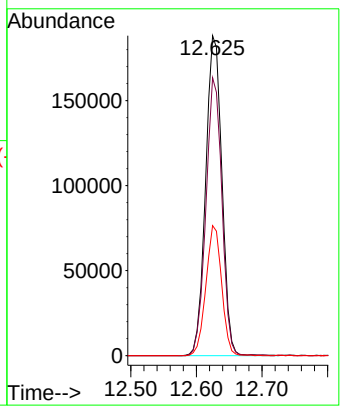




#37
2-Methylnaphthalene
Concen: 59.046 ng
RT: 12.625 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:142 Resp: 32316

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.1	103.7
115	40.6	32.9	49.3



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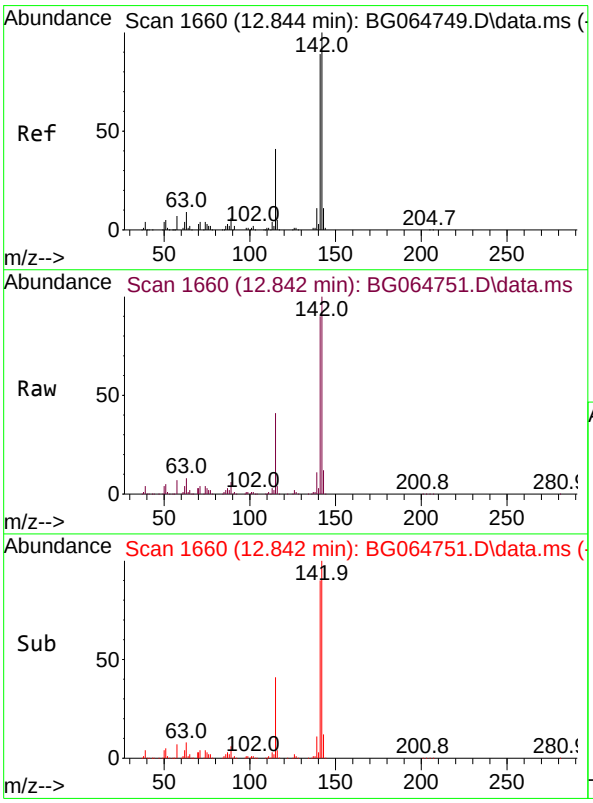
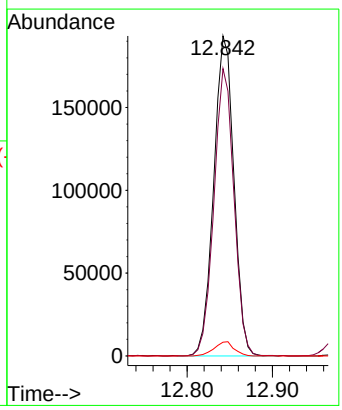
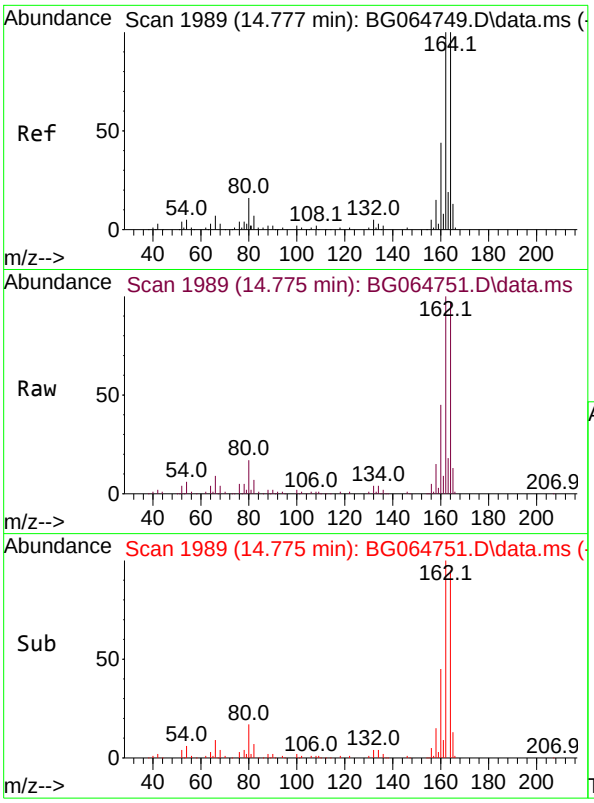


#38
1-Methylnaphthalene
Concen: 58.353 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:142 Resp: 317238

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
116	4.3	3.7	5.5

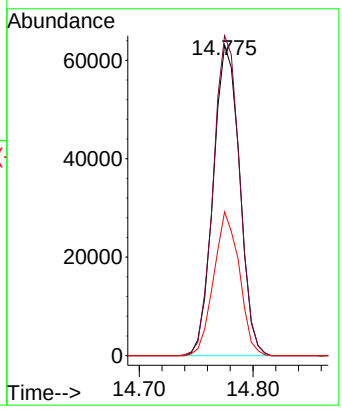




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:164 Resp: 101714

Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.8	119.6
160	46.3	34.9	52.3



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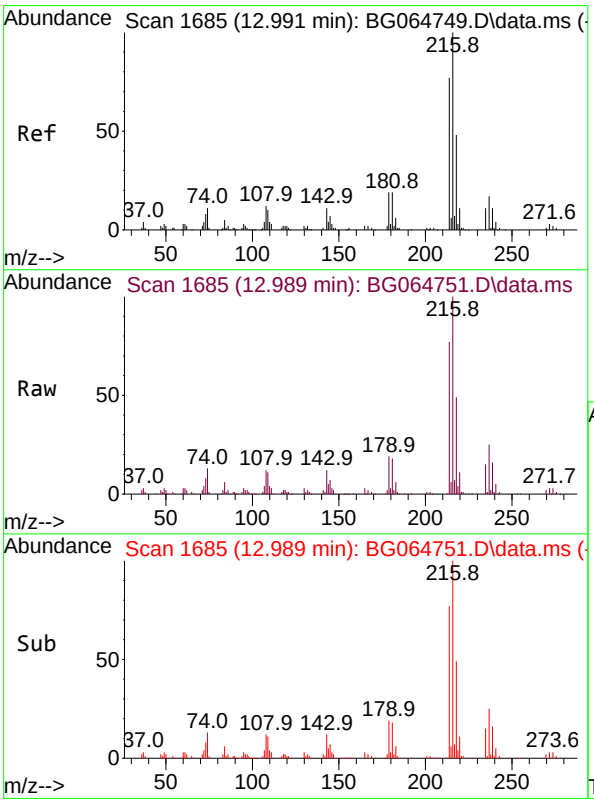
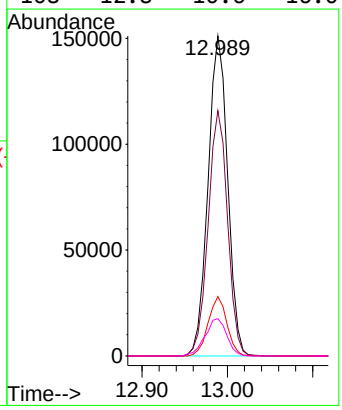
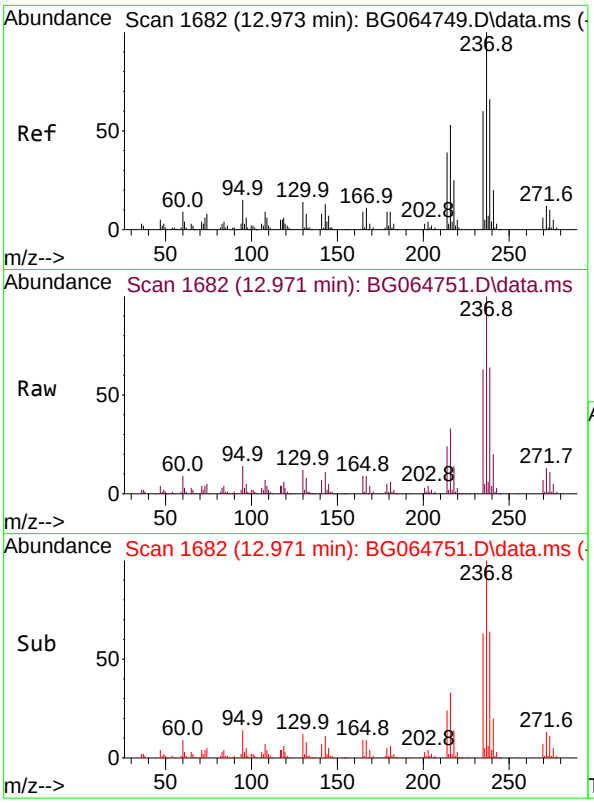


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.852 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:216 Resp: 240877

Ion	Ratio	Lower	Upper
216	100		
214	75.9	60.5	90.7
179	17.8	14.7	22.1
108	12.8	10.6	16.0

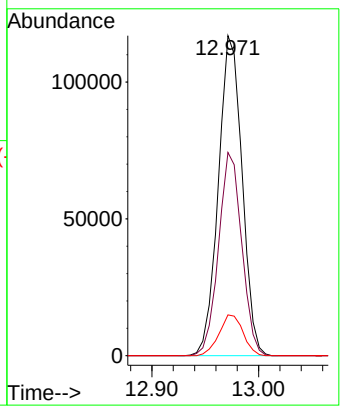




#41
Hexachlorocyclopentadiene
Concen: 63.670 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:237 Resp: 18065

Ion	Ratio	Lower	Upper
237	100		
235	63.5	40.2	80.2
272	12.7	0.0	31.9



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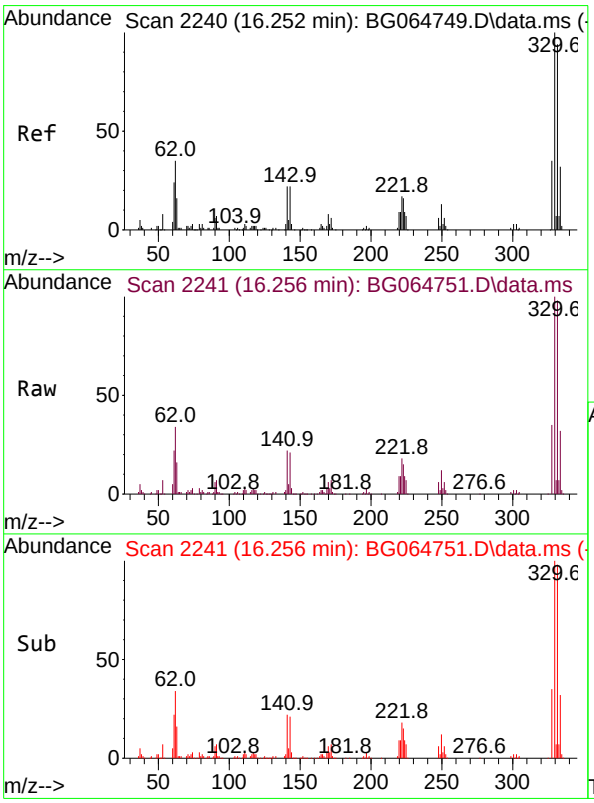
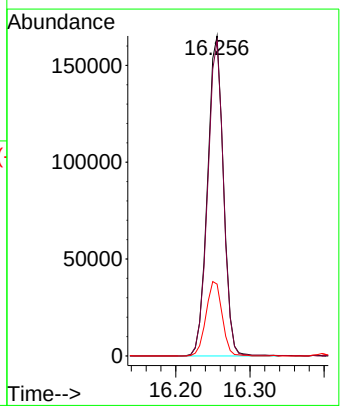
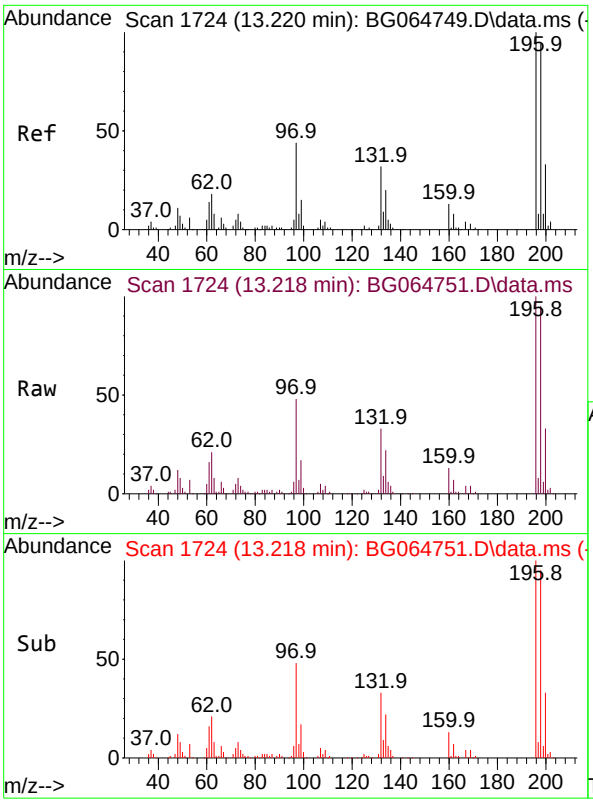


#42
2,4,6-Tribromophenol
Concen: 123.984 ng
RT: 16.256 min Scan# 2241
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:330 Resp: 245951

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	23.5	18.2	27.2

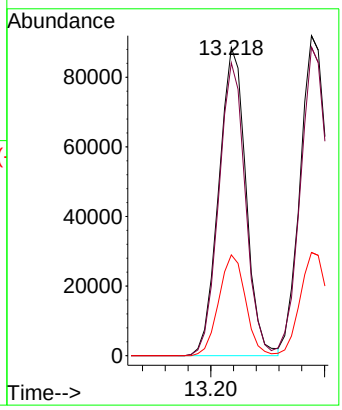




#43
2,4,6-Trichlorophenol
Concen: 63.209 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:196 Resp: 14685

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.3	112.9
200	32.7	26.2	39.2



Instrument :
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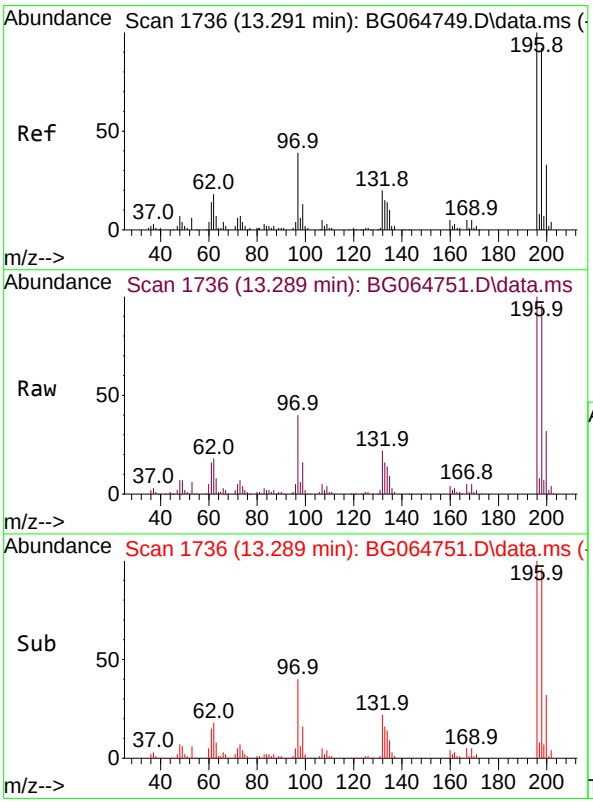
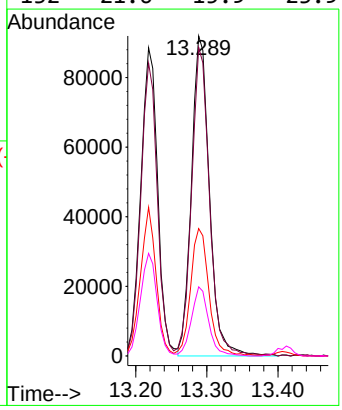
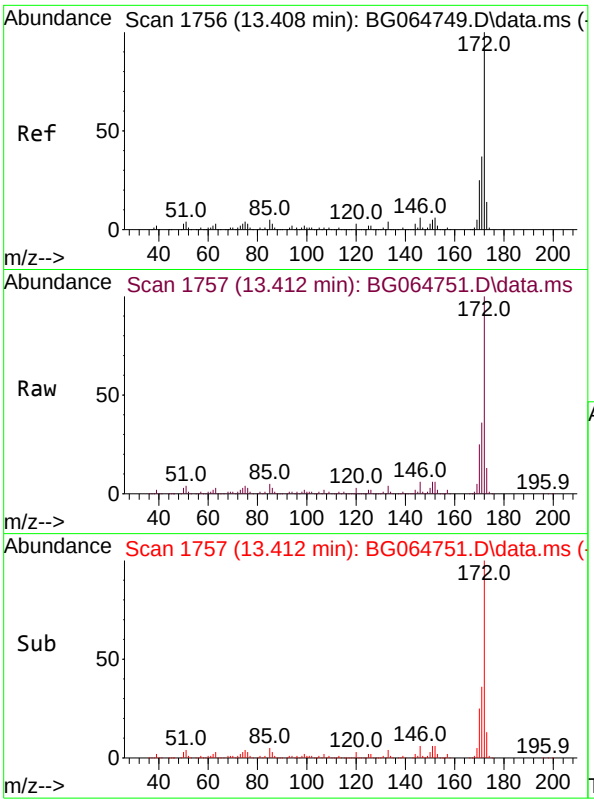


#44
2,4,5-Trichlorophenol
Concen: 62.163 ng
RT: 13.289 min Scan# 1736
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:196 Resp: 161978

Ion	Ratio	Lower	Upper
196	100		
198	96.4	73.2	109.8
97	39.8	31.4	47.0
132	21.6	15.9	23.9

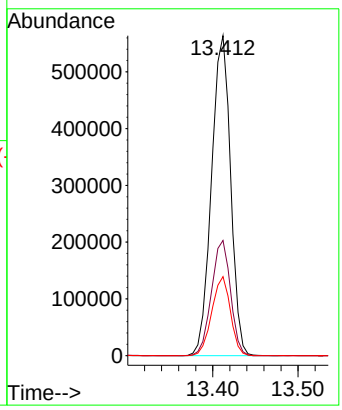




#45
2-Fluorobiphenyl
Concen: 120.069 ng
RT: 13.412 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:172 Resp: 87524

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	24.7	19.8	29.6



Instrument :
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ClientSampleId :
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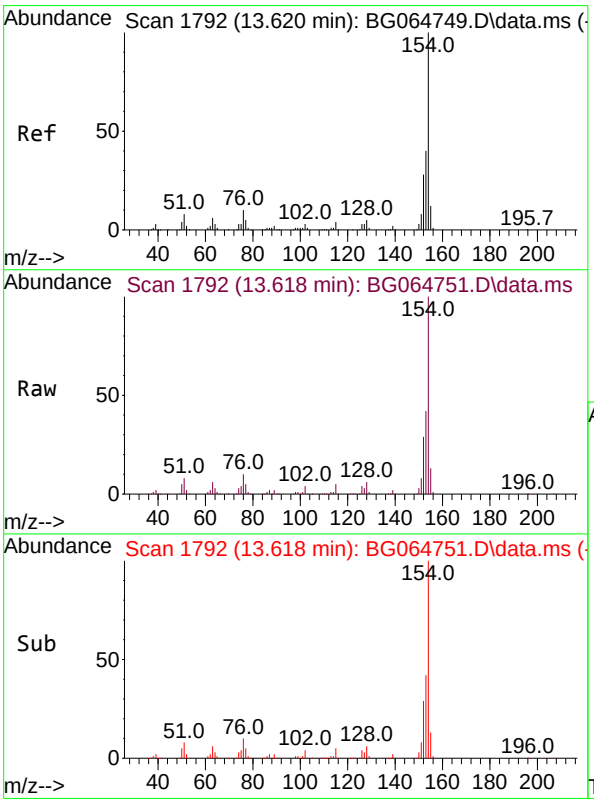
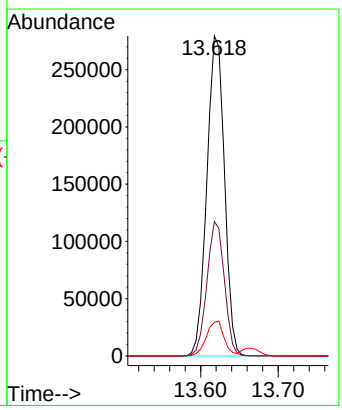
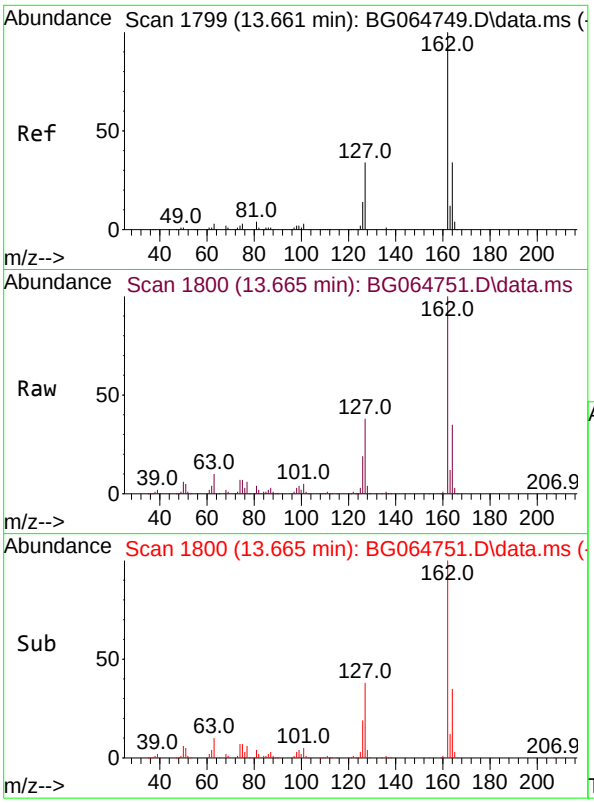


#46
1,1'-Biphenyl
Concen: 60.188 ng
RT: 13.618 min Scan# 1792
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:154 Resp: 439700

Ion	Ratio	Lower	Upper
154	100		
153	42.0	19.8	59.8
76	10.5	0.0	30.0

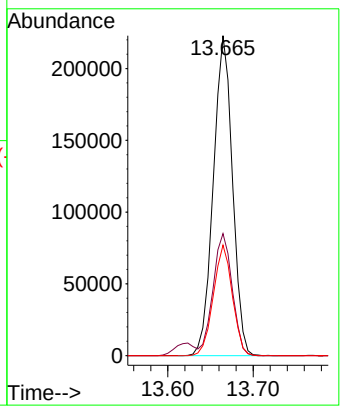




#47
2-Chloronaphthalene
Concen: 60.317 ng
RT: 13.665 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:162 Resp: 34715

Ion	Ratio	Lower	Upper
162	100		
127	38.1	30.3	45.5
164	34.5	26.8	40.2



Instrument :
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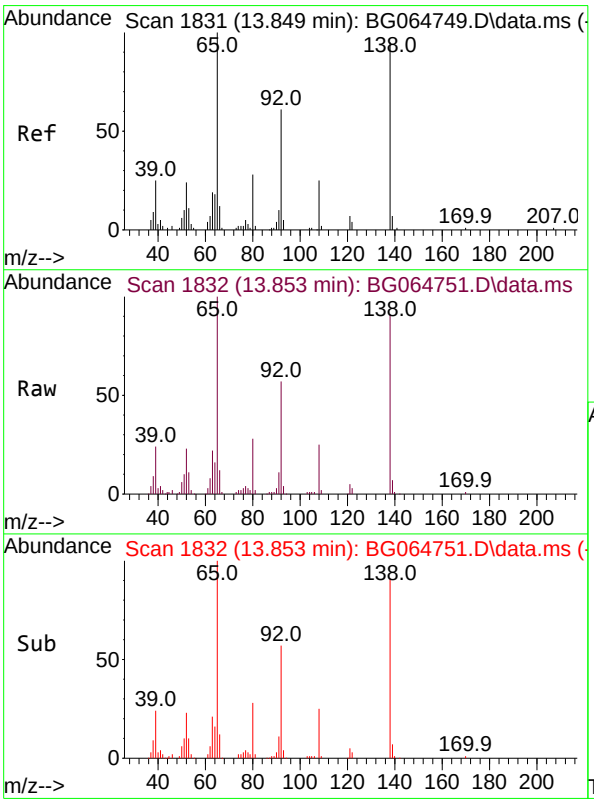
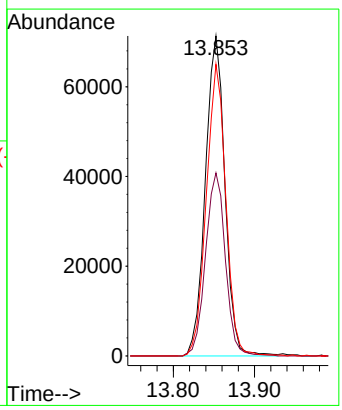
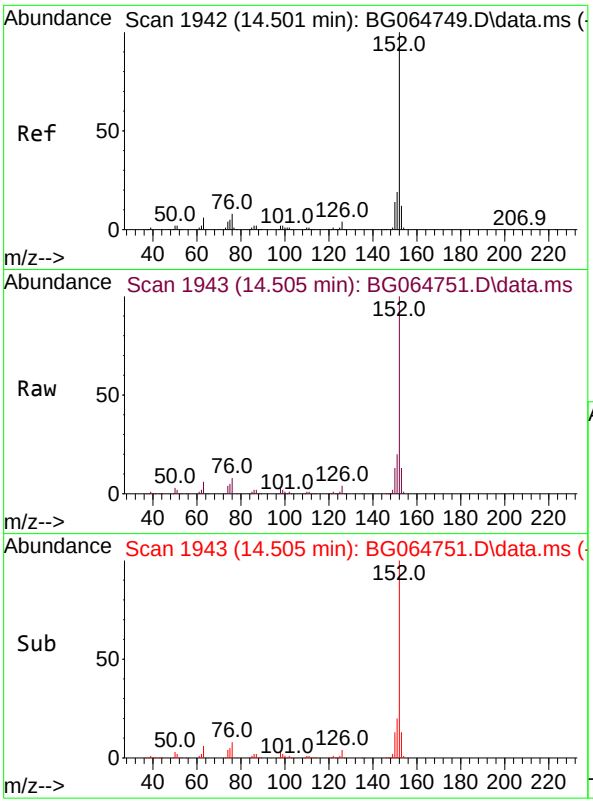


#48
2-Nitroaniline
Concen: 64.470 ng
RT: 13.853 min Scan# 1832
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion: 65 Resp: 119346

Ion	Ratio	Lower	Upper
65	100		
92	57.2	48.6	73.0
138	91.1	76.4	114.6

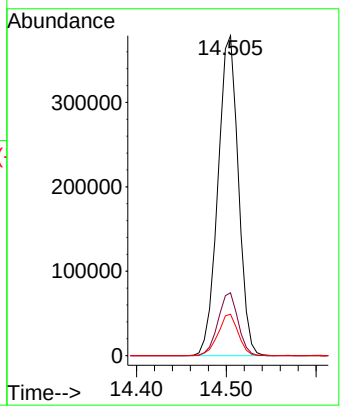




#49
Acenaphthylene
Concen: 61.036 ng
RT: 14.505 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:152 Resp: 60014

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.0	22.4
153	12.9	9.9	14.9



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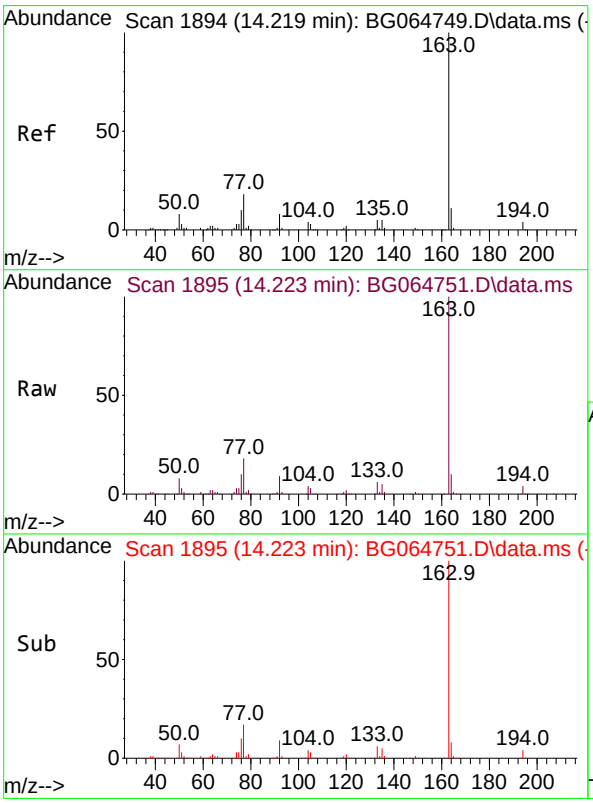
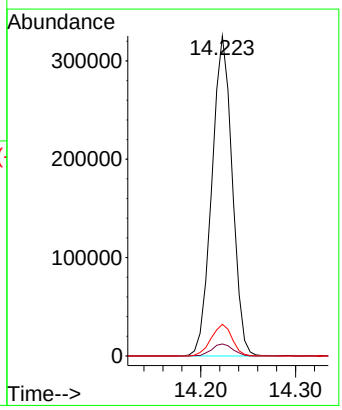
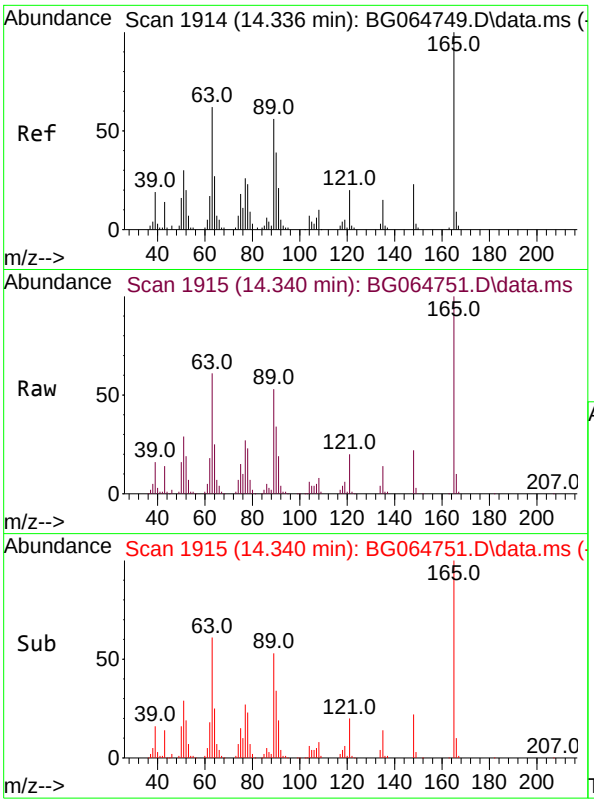


#50
Dimethylphthalate
Concen: 60.458 ng
RT: 14.223 min Scan# 1895
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:163 Resp: 485762

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.9	8.6	12.8

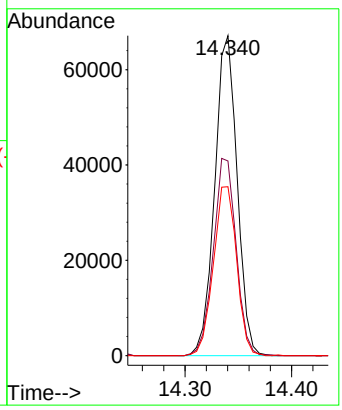




#51
2,6-Dinitrotoluene
Concen: 63.495 ng
RT: 14.340 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:165 Resp: 9816

Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.8	74.8
89	52.8	45.0	67.4



Instrument :
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ClientSampleId :
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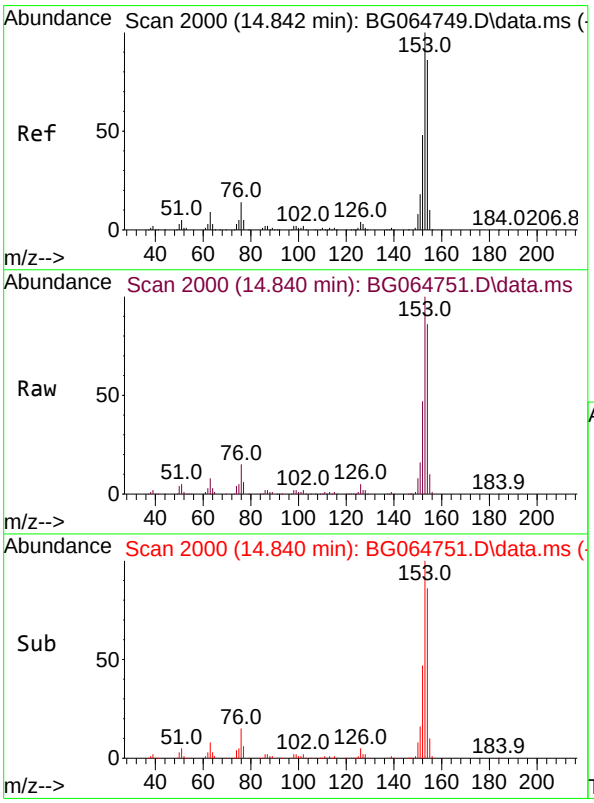
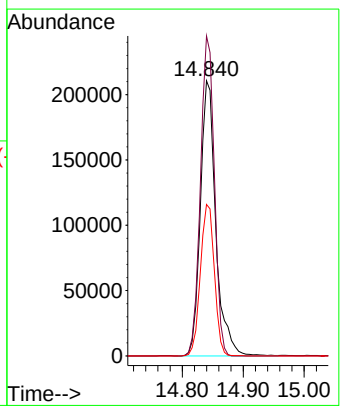
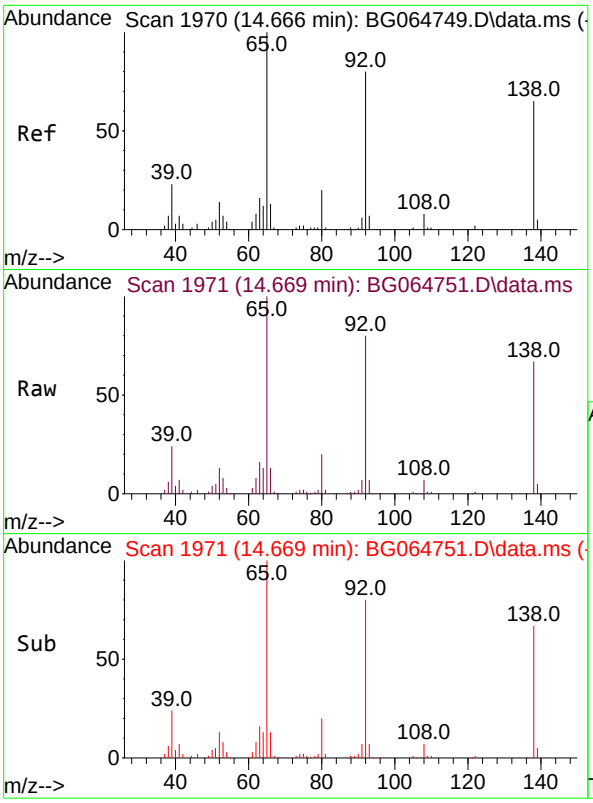


#52
Acenaphthene
Concen: 62.799 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:154 Resp: 370233

Ion	Ratio	Lower	Upper
154	100		
153	116.3	93.0	139.4
152	55.0	44.4	66.6

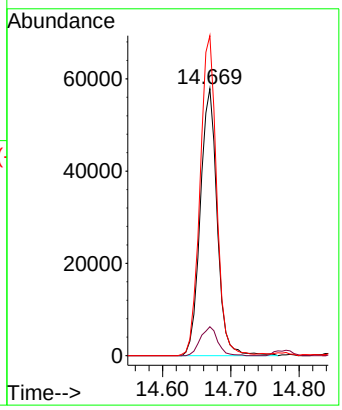




#53
3-Nitroaniline
Concen: 65.234 ng
RT: 14.669 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:138 Resp: 9954

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.5	14.3
92	119.9	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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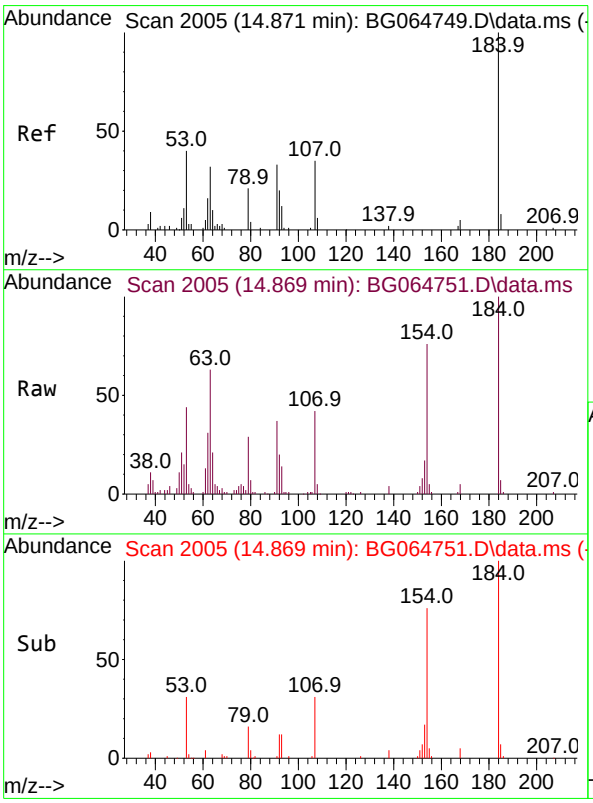
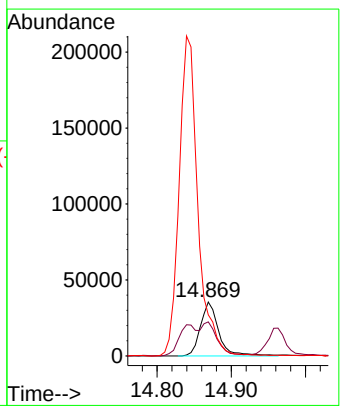
Supervised By :Sohil Jodhani 11/14/2025

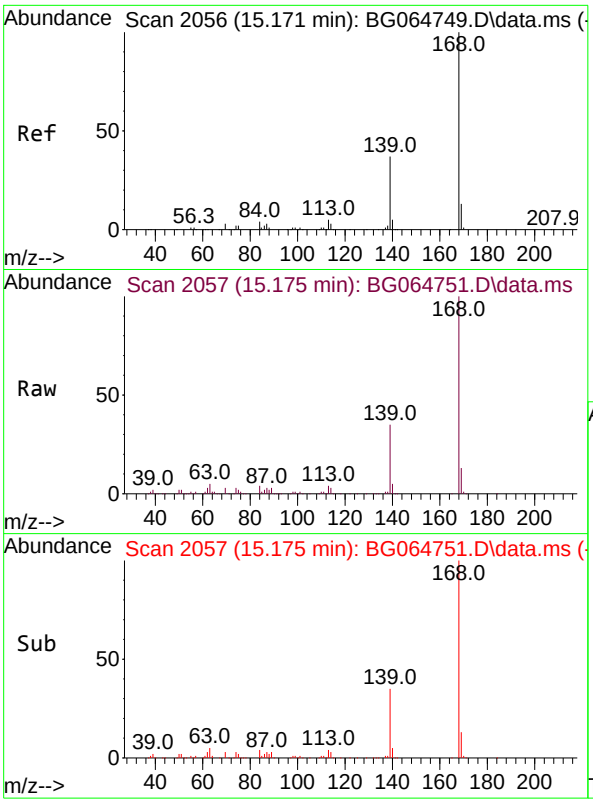


#54
2,4-Dinitrophenol
Concen: 59.432 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:184 Resp: 60324

Ion	Ratio	Lower	Upper
184	100		
63	63.0	45.8	68.6
154	76.2	52.6	78.8

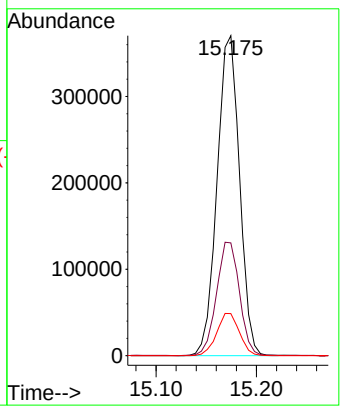




#55
Dibenzofuran
Concen: 59.147 ng
RT: 15.175 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:168 Resp: 57648

Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.5	44.3
169	13.1	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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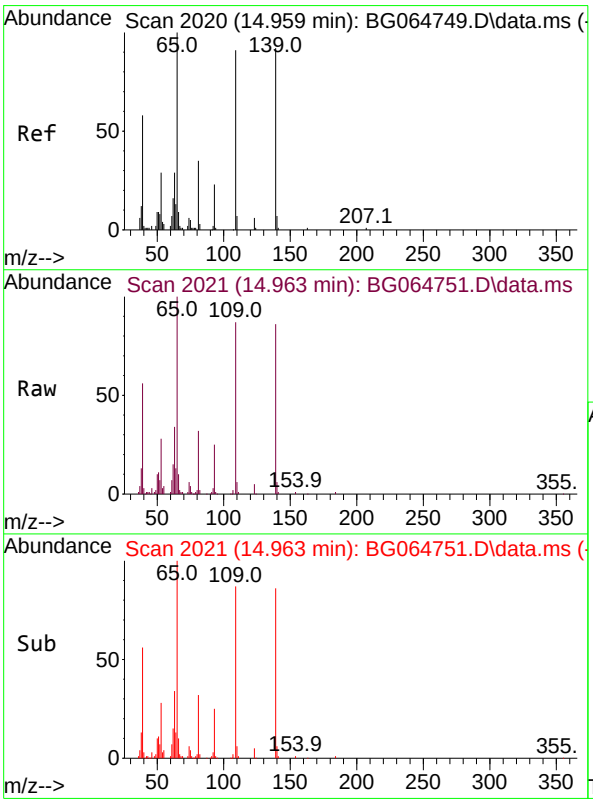
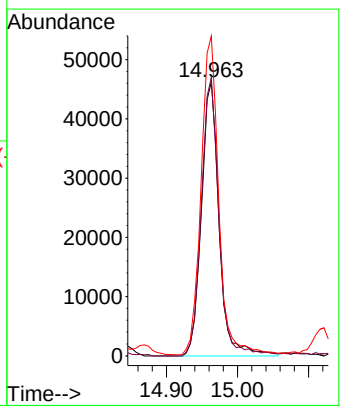
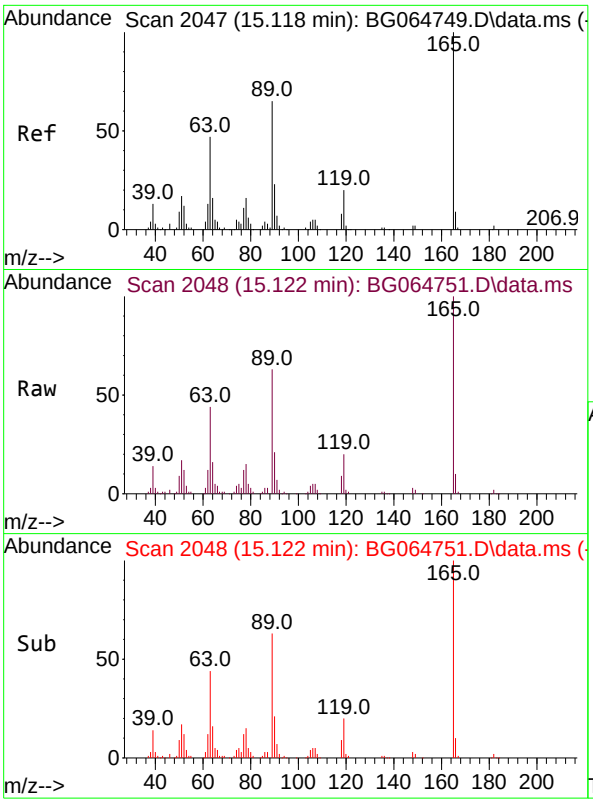


#56
4-Nitrophenol
Concen: 65.732 ng
RT: 14.963 min Scan# 2021
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:139 Resp: 79581

Ion	Ratio	Lower	Upper
139	100		
109	101.6	79.7	119.7
65	116.8	89.9	129.9

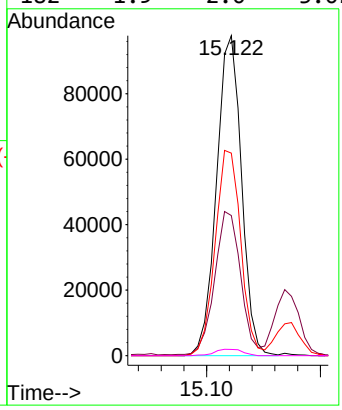




#57
2,4-Dinitrotoluene
Concen: 64.319 ng
RT: 15.122 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:165 Resp: 14908

Ion	Ratio	Lower	Upper
165	100		
63	43.8	37.8	56.6
89	63.3	51.6	77.4
182	1.9	2.0	3.0#



Instrument :
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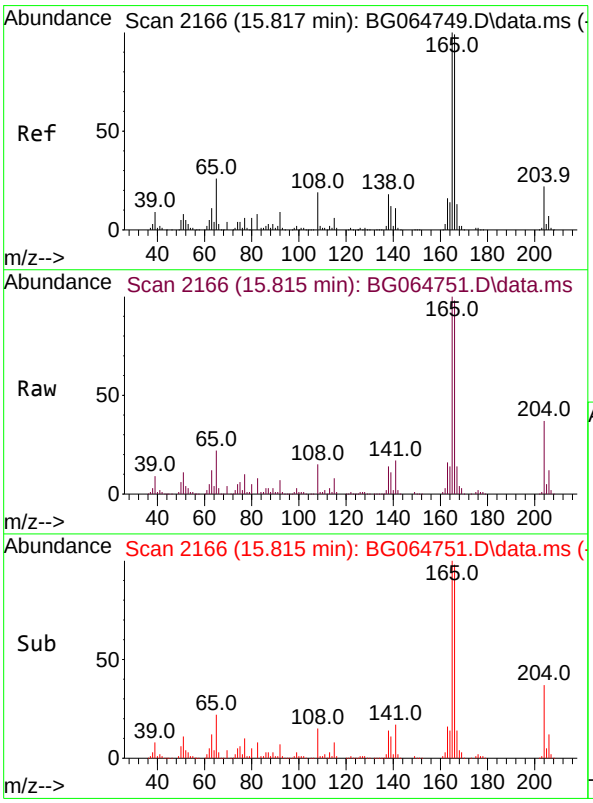
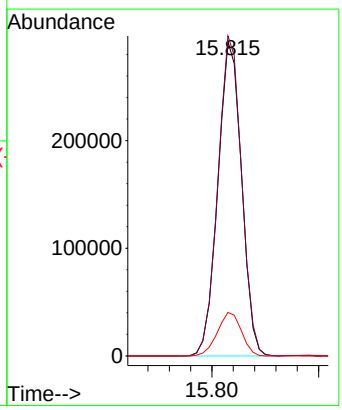
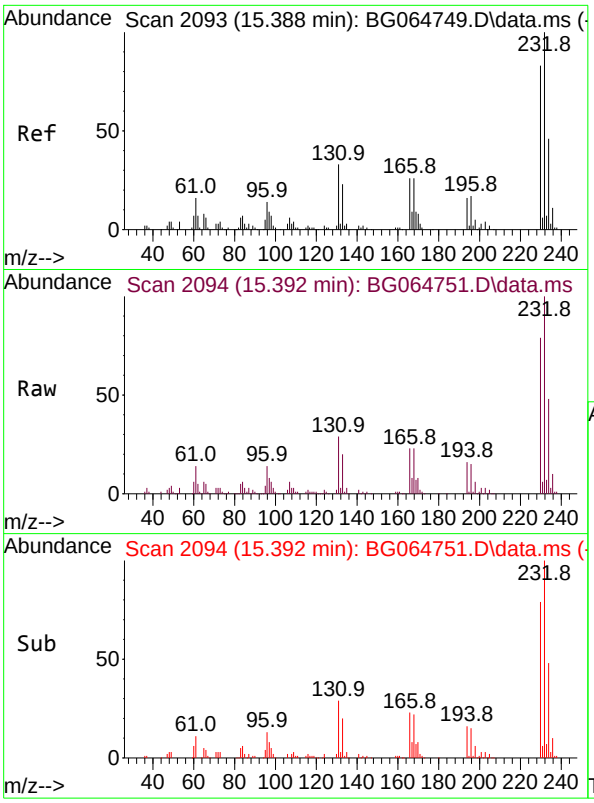


#58
Fluorene
Concen: 58.885 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:166 Resp: 450137

Ion	Ratio	Lower	Upper
166	100		
165	101.8	80.5	120.7
167	13.8	10.3	15.5

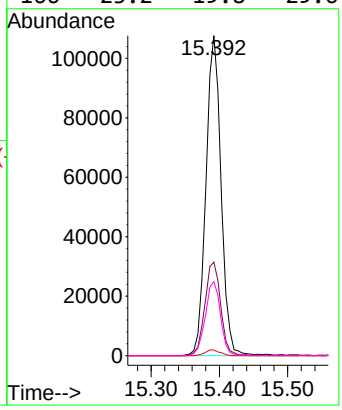




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.473 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:232 Resp: 16575

Ion	Ratio	Lower	Upper
232	100		
131	30.3	26.0	39.0
130	1.7	1.6	2.4
166	23.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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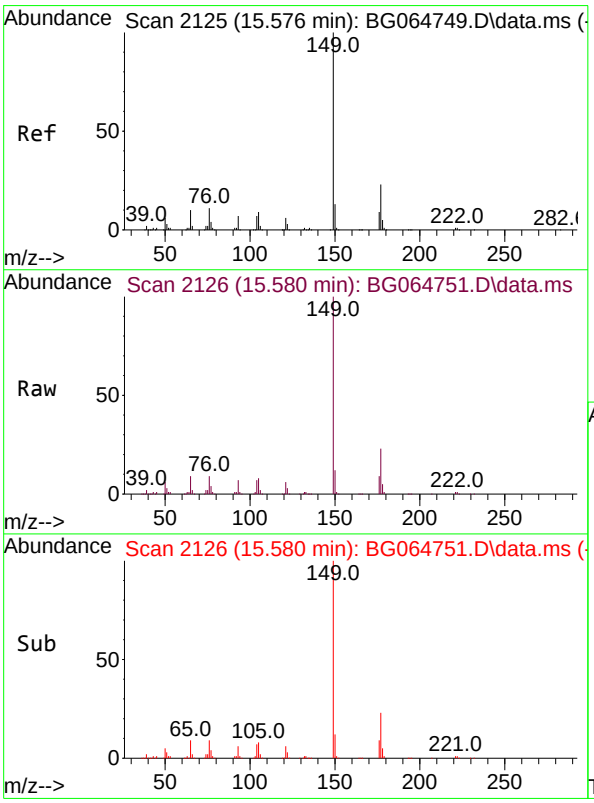
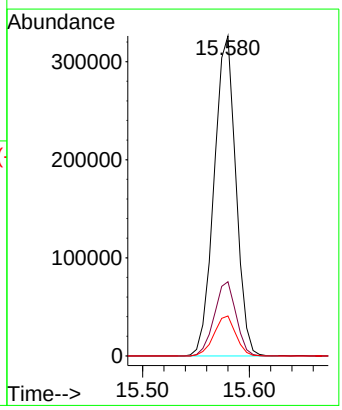
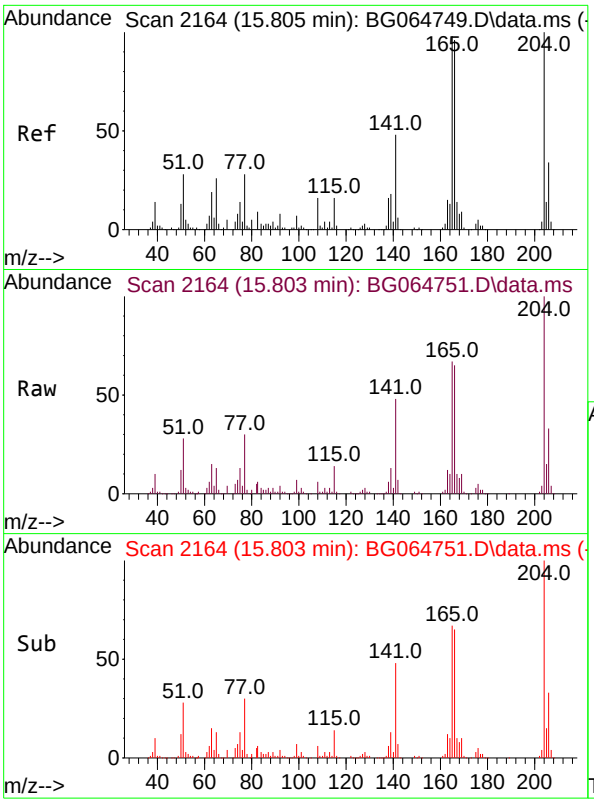


#60
Diethylphthalate
Concen: 60.243 ng
RT: 15.580 min Scan# 2126
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 463685

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.4	27.6
150	12.5	10.1	15.1

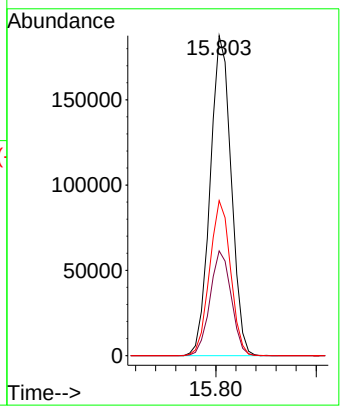




#61
4-Chlorophenyl-phenylether
Concen: 59.493 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:204 Resp: 27293

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.9	40.3
141	48.4	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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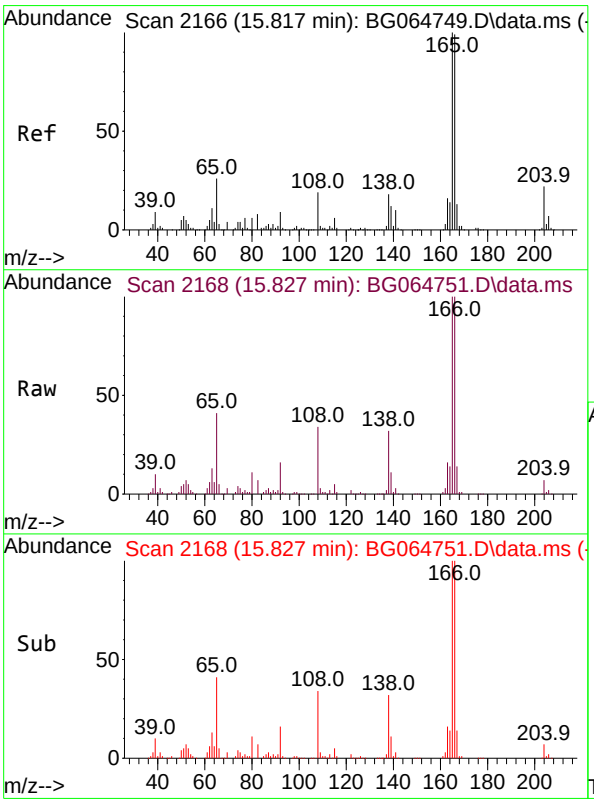
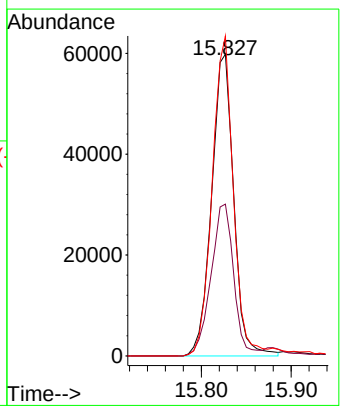
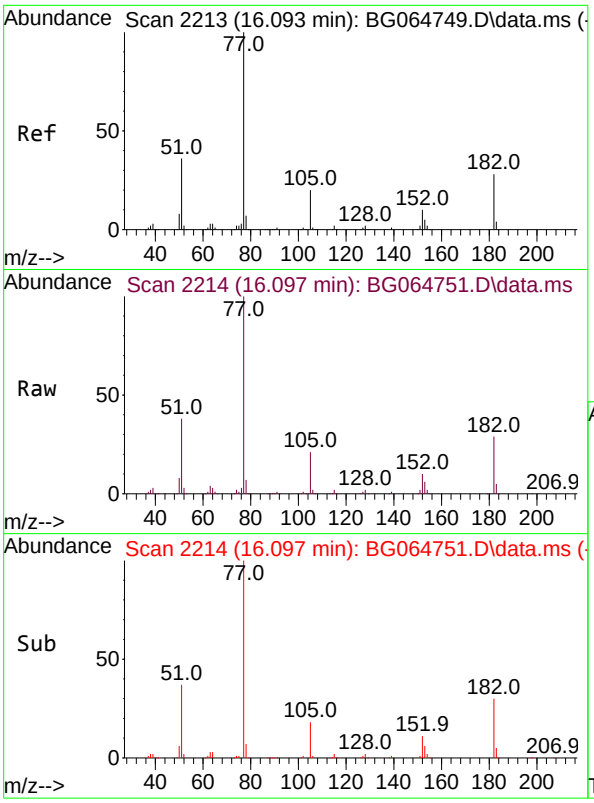


#62
4-Nitroaniline
Concen: 64.702 ng
RT: 15.827 min Scan# 2168
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:138 Resp: 102284

Ion	Ratio	Lower	Upper
138	100		
92	50.3	30.7	70.7
108	106.1	85.7	125.7





#63
Azobenzene
Concen: 59.841 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 383102

Ion	Ratio	Lower	Upper
77	100		
182	29.5	8.1	48.1
105	21.2	0.1	40.1
51	37.8	16.0	56.0

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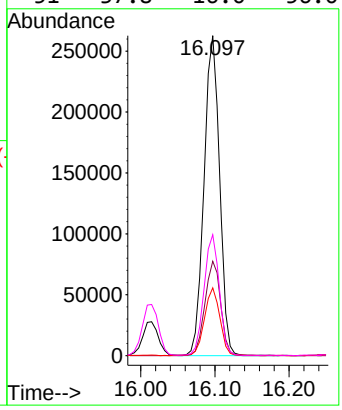
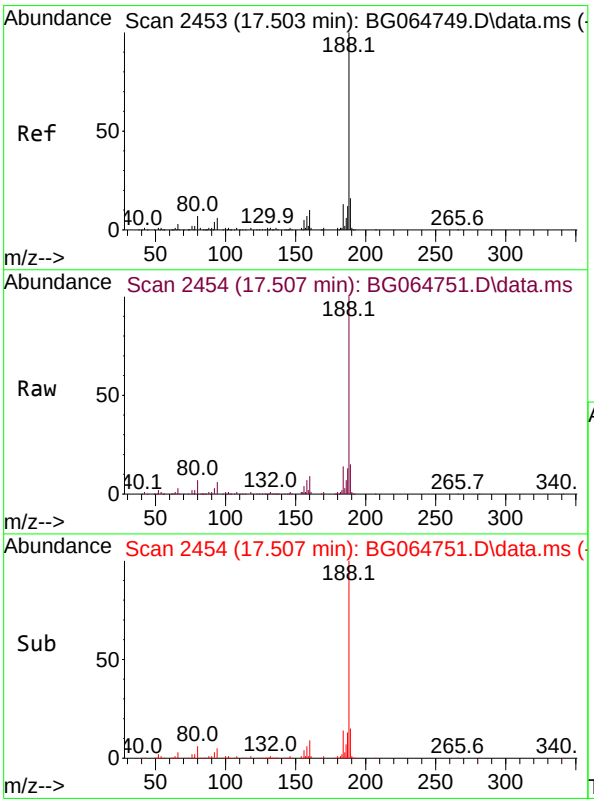
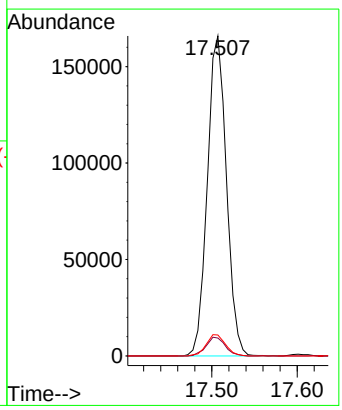


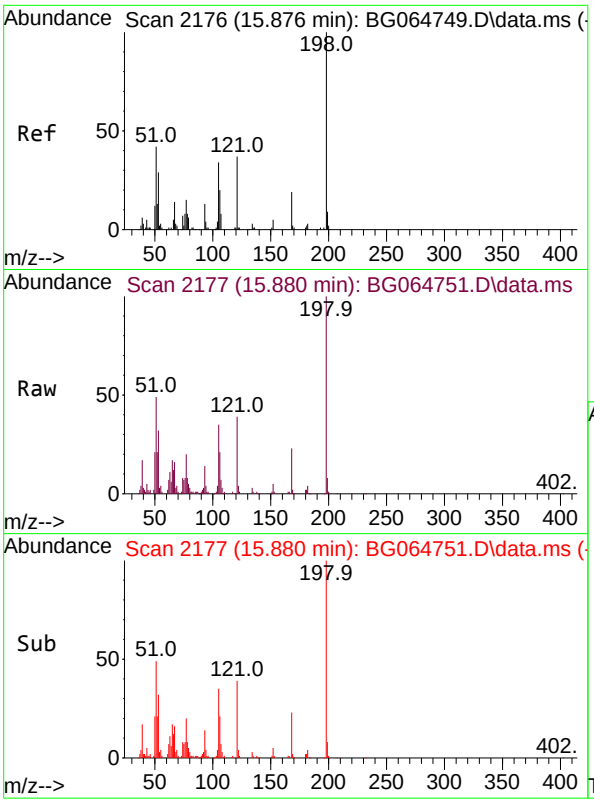


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:188 Resp: 257987

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.6	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 67.922 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 9729

Ion	Ratio	Lower	Upper
198	100		
51	48.8	25.2	65.2
105	35.5	14.2	54.2

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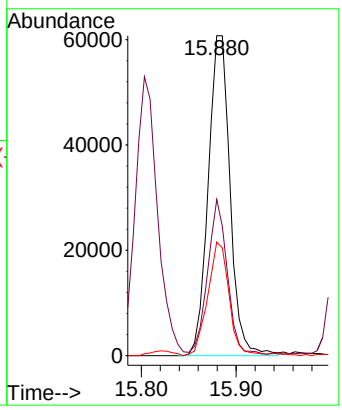
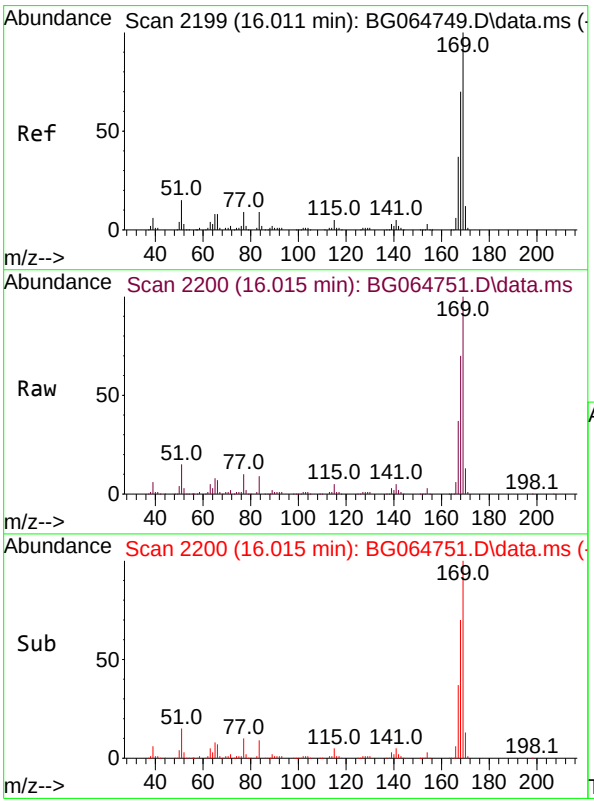
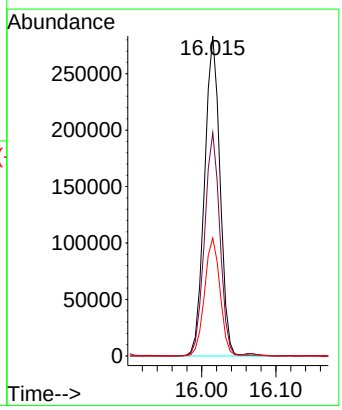


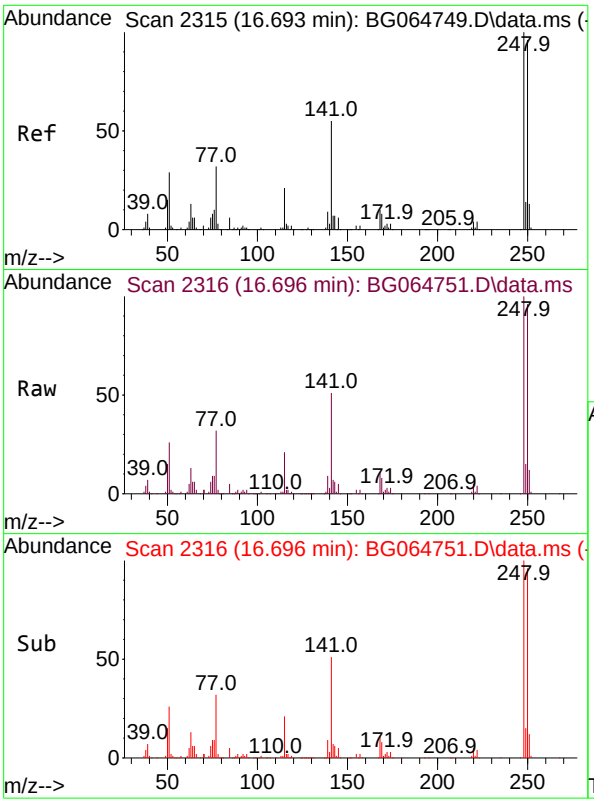


#66
n-Nitrosodiphenylamine
Concen: 60.512 ng
RT: 16.015 min Scan# 2200
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:169 Resp: 408909

Ion	Ratio	Lower	Upper
169	100		
168	69.7	55.9	83.9
167	36.8	29.8	44.6

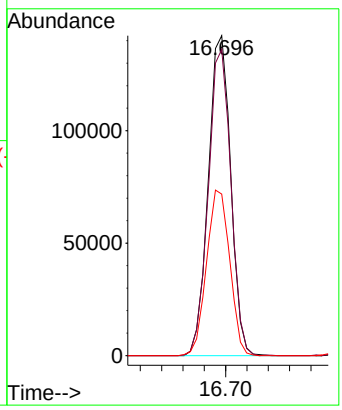




#67
4-Bromophenyl-phenylether
Concen: 61.378 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:248 Resp: 20794

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.0	115.6
141	50.5	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
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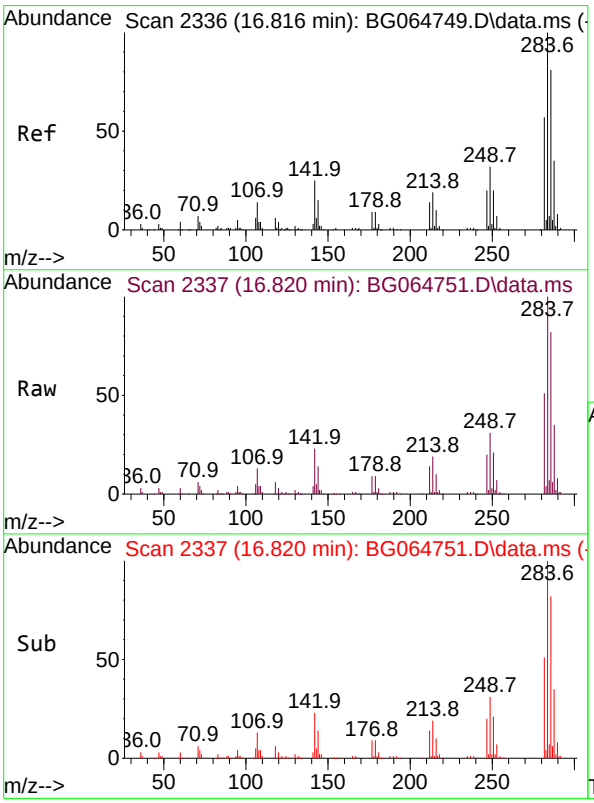
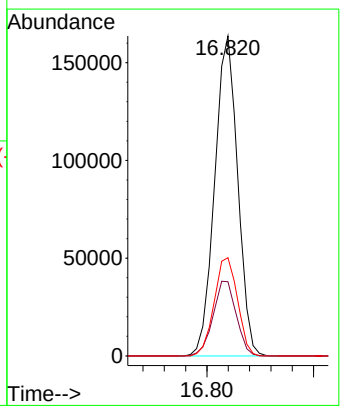
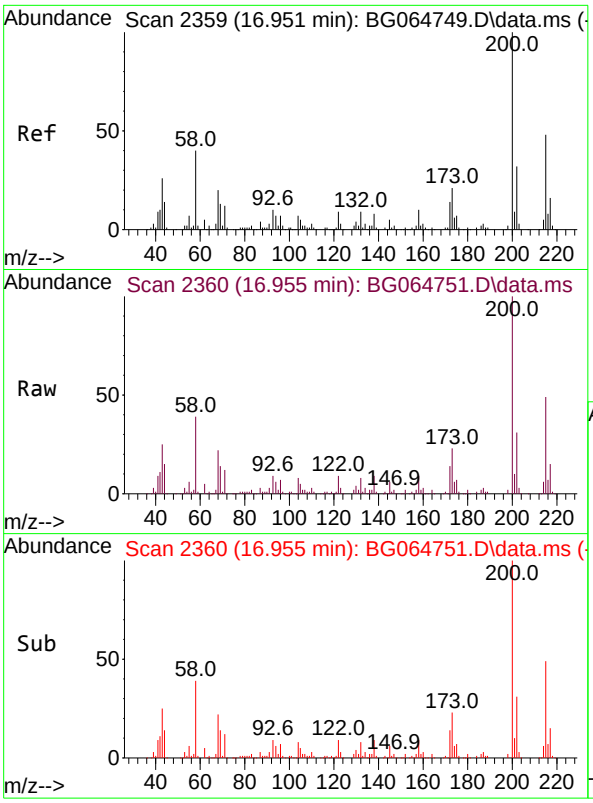


#68
Hexachlorobenzene
Concen: 59.815 ng
RT: 16.820 min Scan# 2337
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:284 Resp: 245522

Ion	Ratio	Lower	Upper
284	100		
142	23.2	19.7	29.5
249	33.3	28.1	42.1

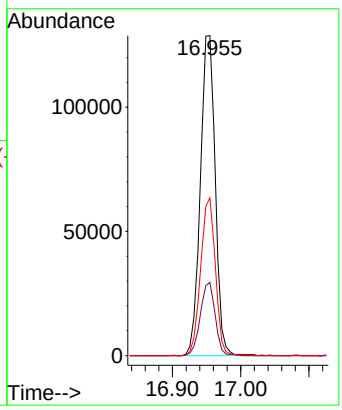




#69
Atrazine
Concen: 60.098 ng
RT: 16.955 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:200 Resp: 19580

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	49.3	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
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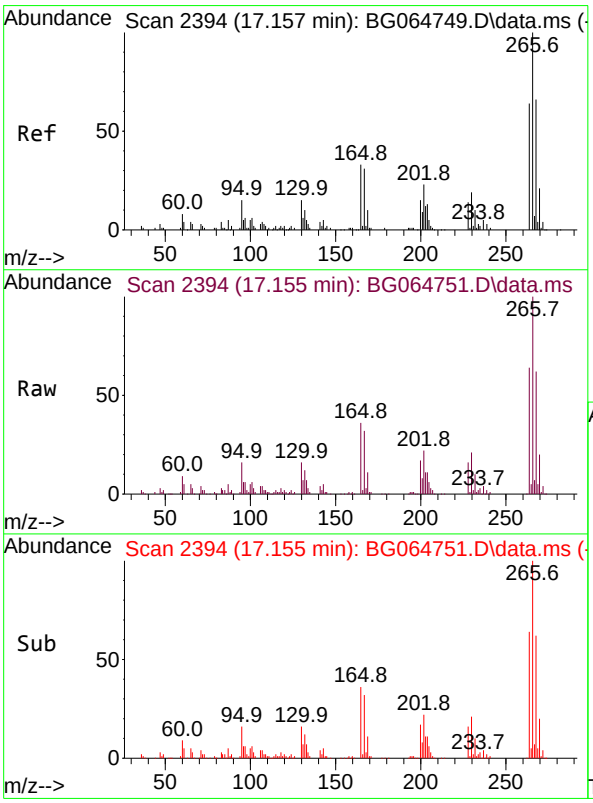
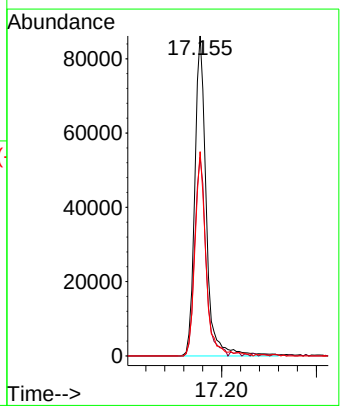
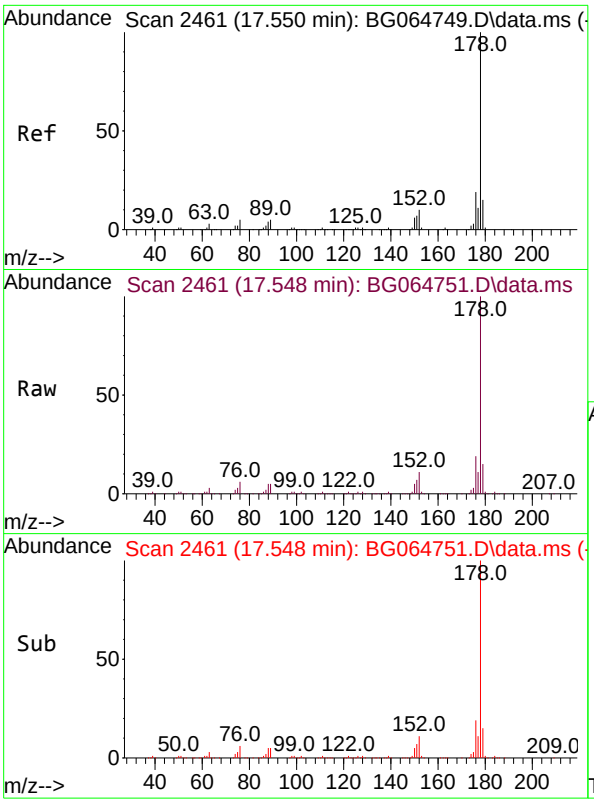


#70
Pentachlorophenol
Concen: 61.120 ng
RT: 17.155 min Scan# 2394
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:266 Resp: 144648

Ion	Ratio	Lower	Upper
266	100		
268	66.6	56.1	84.1
264	63.8	51.2	76.8

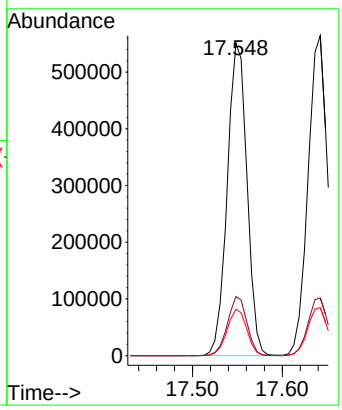




#71
Phenanthrene
Concen: 59.753 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:178 Resp: 84342

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	14.8	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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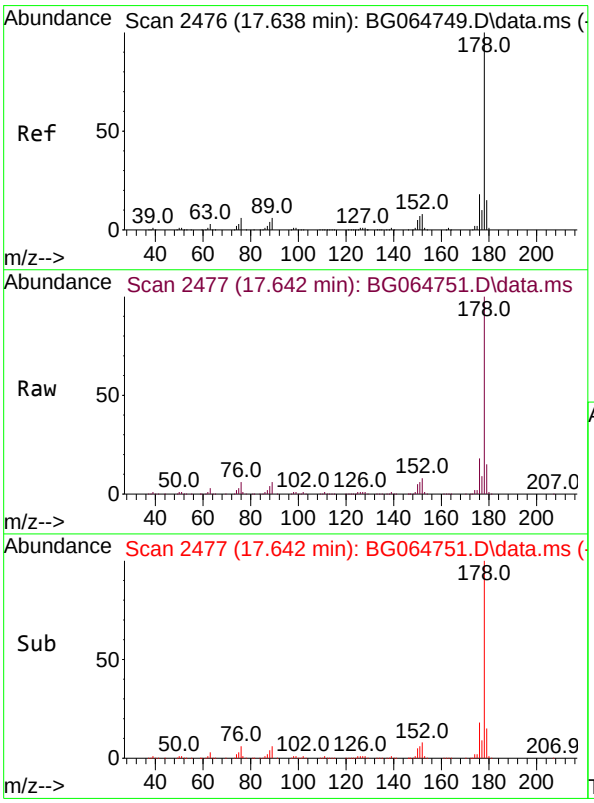
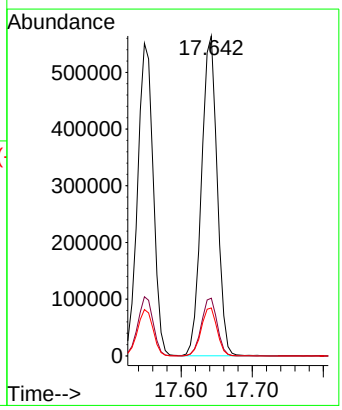
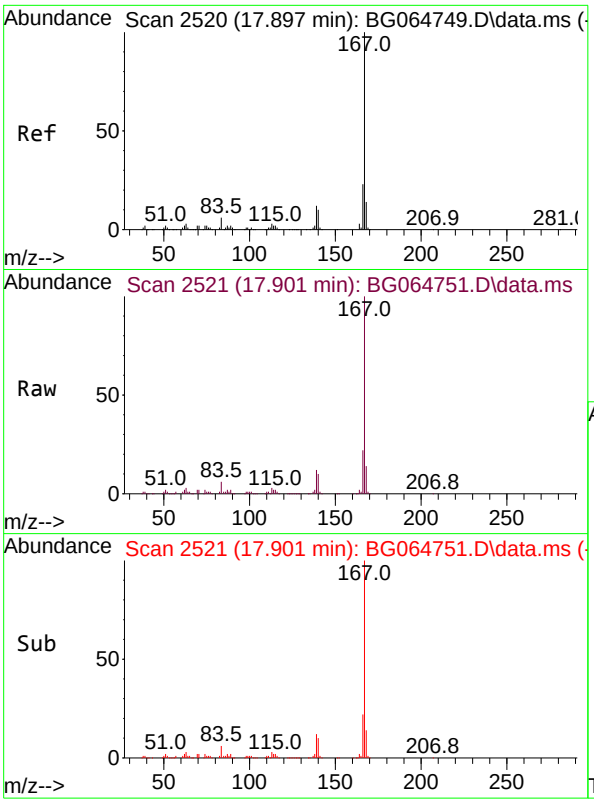


#72
Anthracene
Concen: 59.861 ng
RT: 17.642 min Scan# 2477
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:178 Resp: 861577

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.0	12.2	18.4

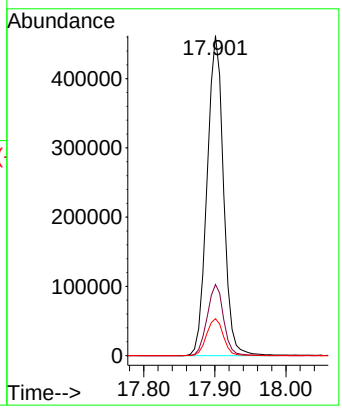




#73
Carbazole
Concen: 59.766 ng
RT: 17.901 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:167 Resp: 73949

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	11.5	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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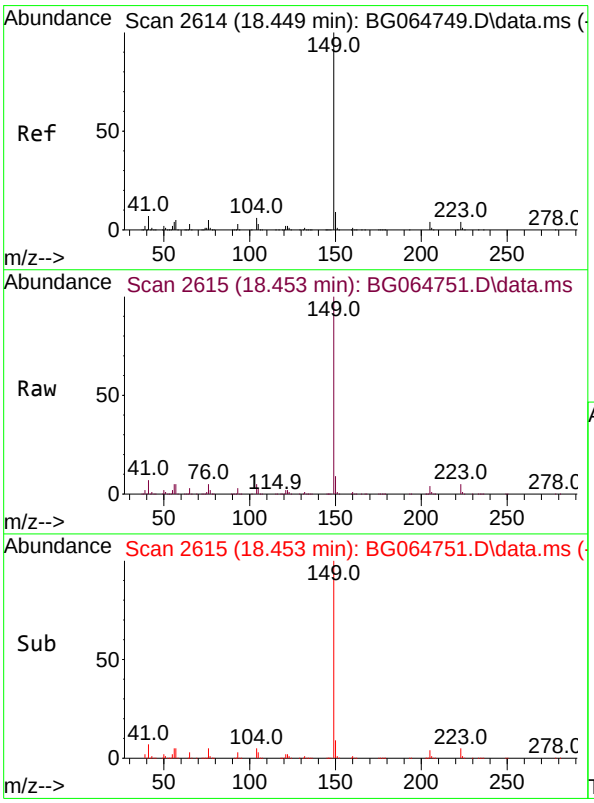
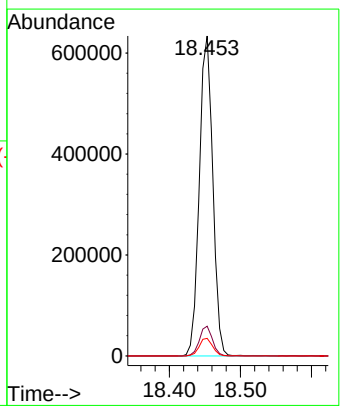
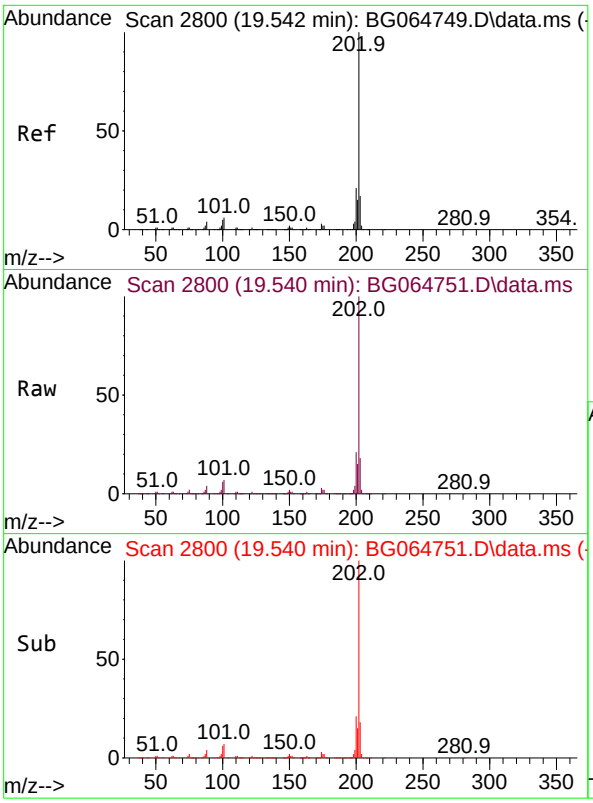


#74
Di-n-butylphthalate
Concen: 59.986 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 828062

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.5	4.4	6.6





#75
Fluoranthene
Concen: 59.146 ng
RT: 19.540 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:202 Resp: 114163

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.4
203	17.8	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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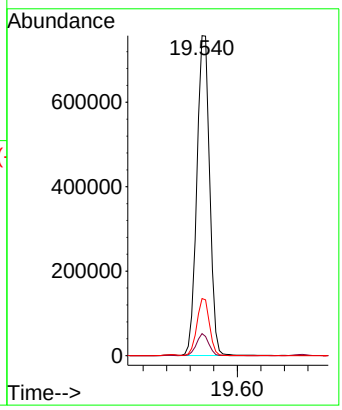
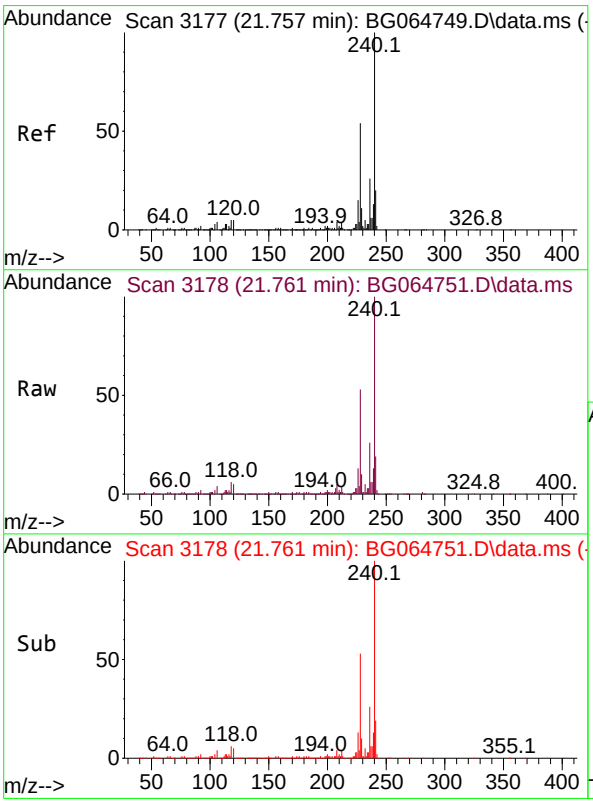
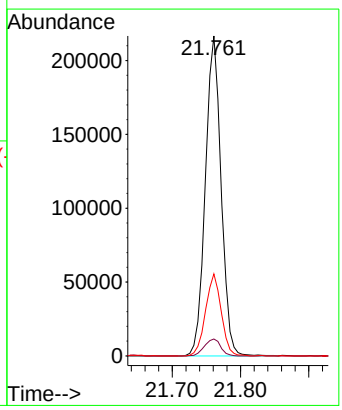


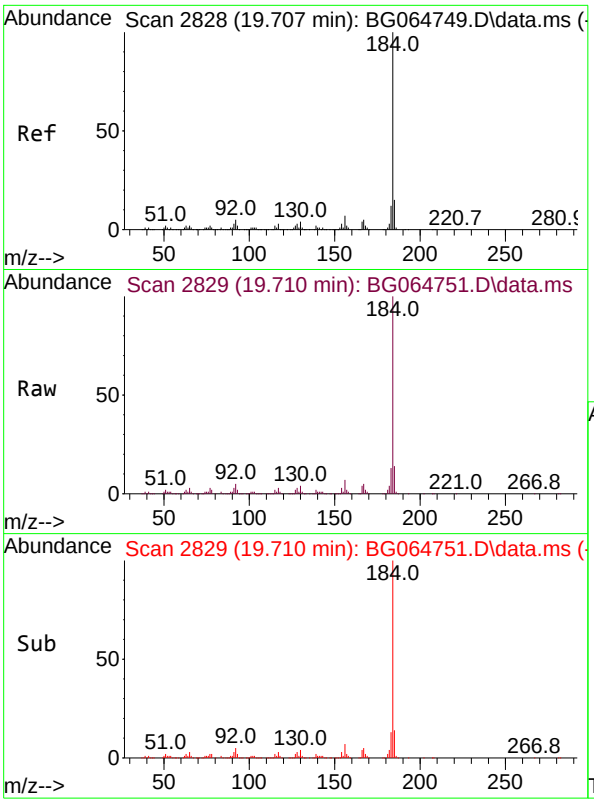


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.761 min Scan# 3178
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:240 Resp: 346774

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	25.6	20.8	31.2

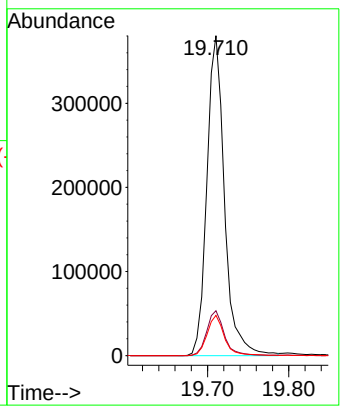




#77
Benzidine
Concen: 55.340 ng
RT: 19.710 min Scan# 28
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:184 Resp: 57472

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.8	17.6
183	12.6	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
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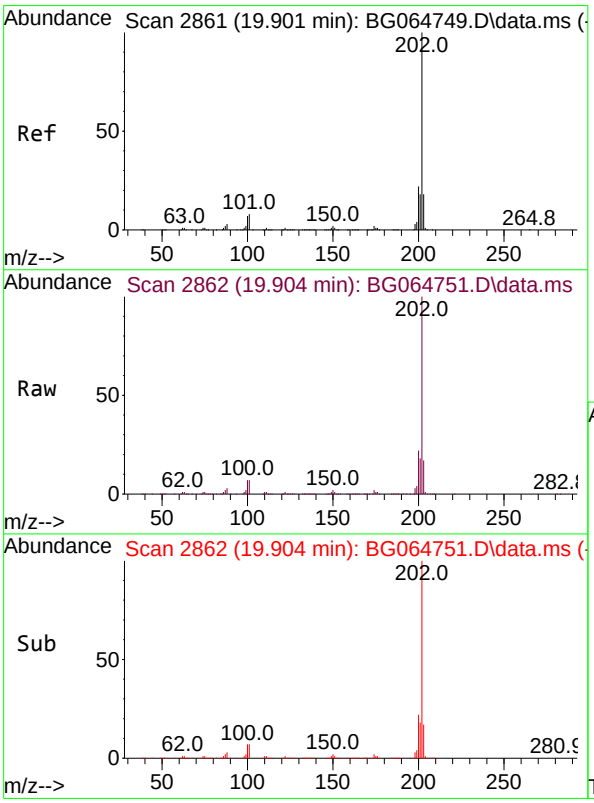
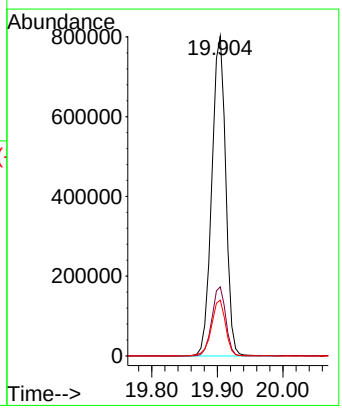
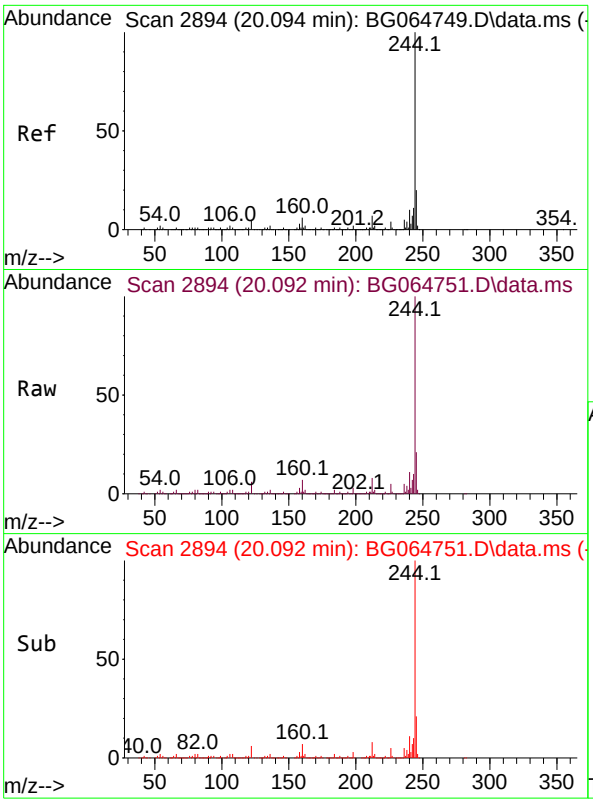


#78
Pyrene
Concen: 60.813 ng
RT: 19.904 min Scan# 2862
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:202 Resp: 1181920

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.9	26.9
203	17.4	14.0	21.0

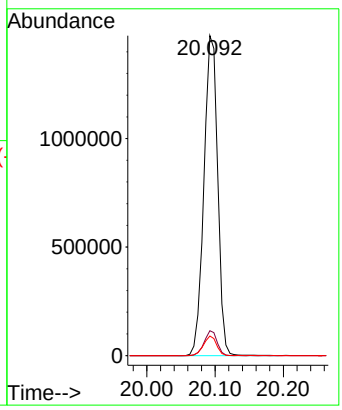




#79
Terphenyl-d14
Concen: 117.198 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:244 Resp: 206605

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	6.1	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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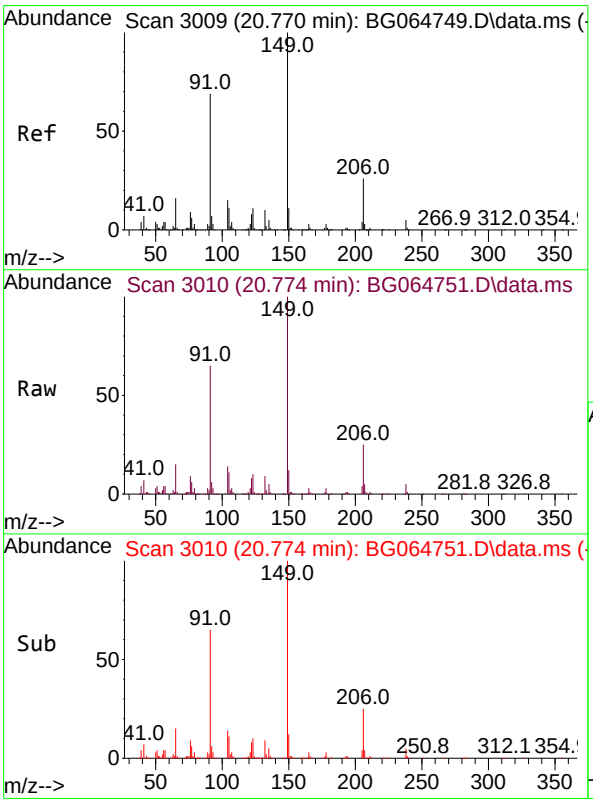
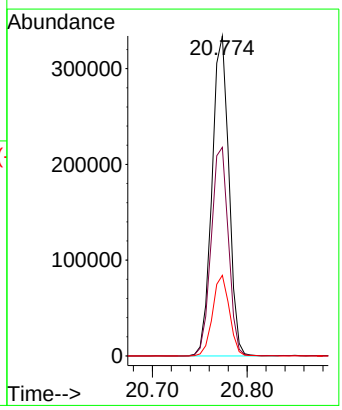
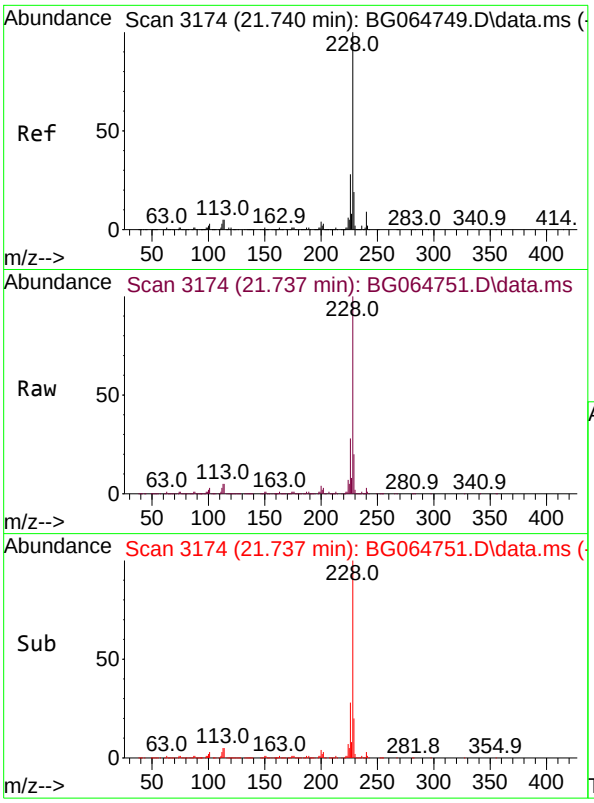


#80
Butylbenzylphthalate
Concen: 60.444 ng
RT: 20.774 min Scan# 3010
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 413202

Ion	Ratio	Lower	Upper
149	100		
91	65.2	54.9	82.3
206	25.2	21.2	31.8

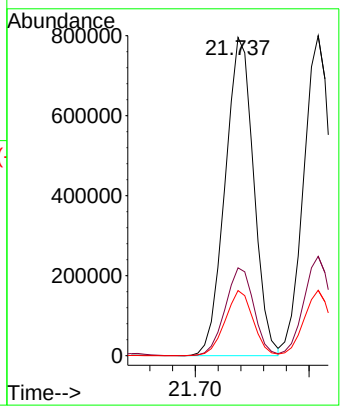




#81
Benzo(a)anthracene
Concen: 58.867 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:228 Resp: 138805

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.5	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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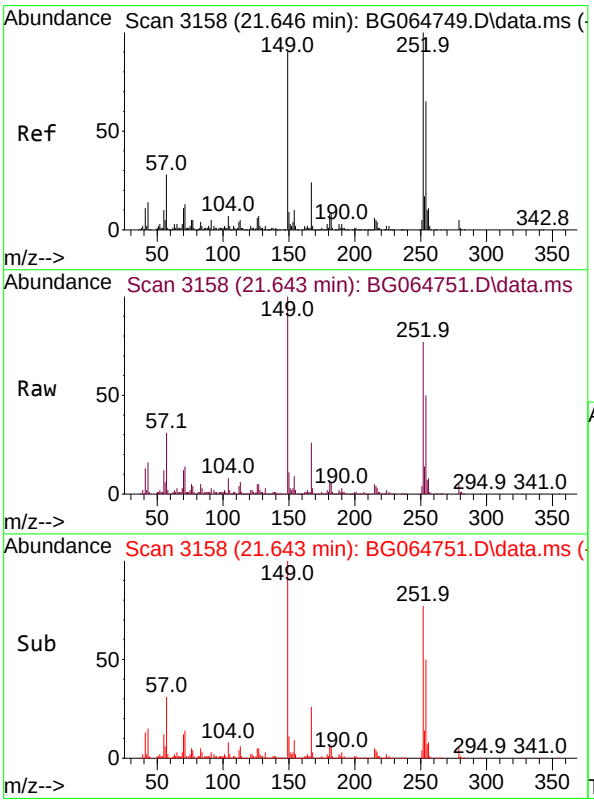
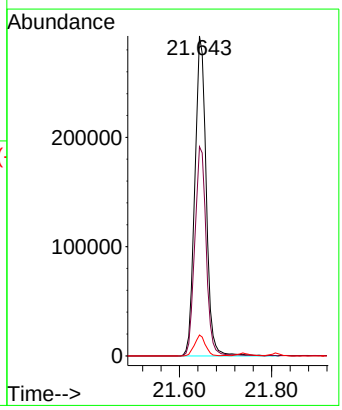
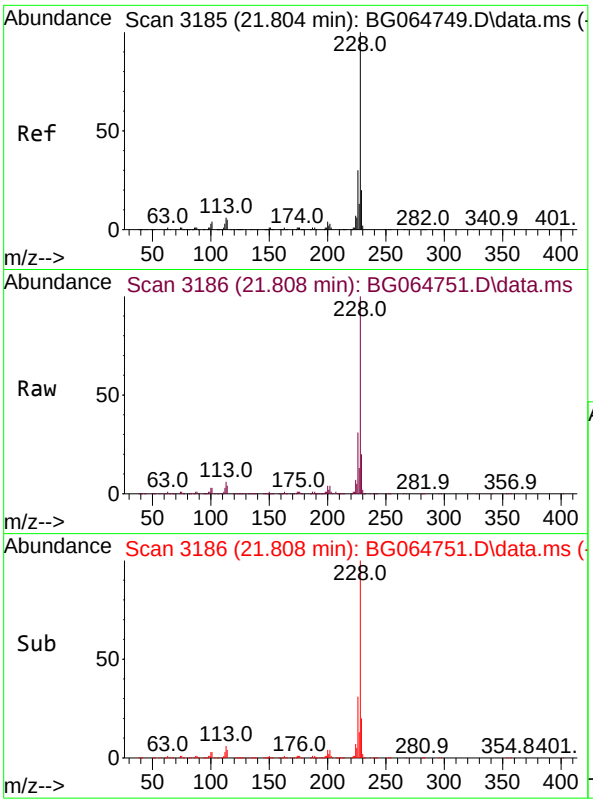


#82
3,3'-Dichlorobenzidine
Concen: 57.466 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 498737

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.8	77.8
126	6.5	4.7	7.1

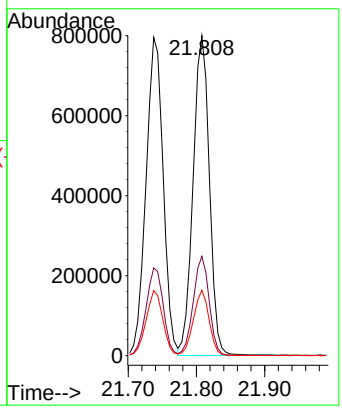




#83
Chrysene
Concen: 59.686 ng
RT: 21.808 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:228 Resp: 132681

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	20.4	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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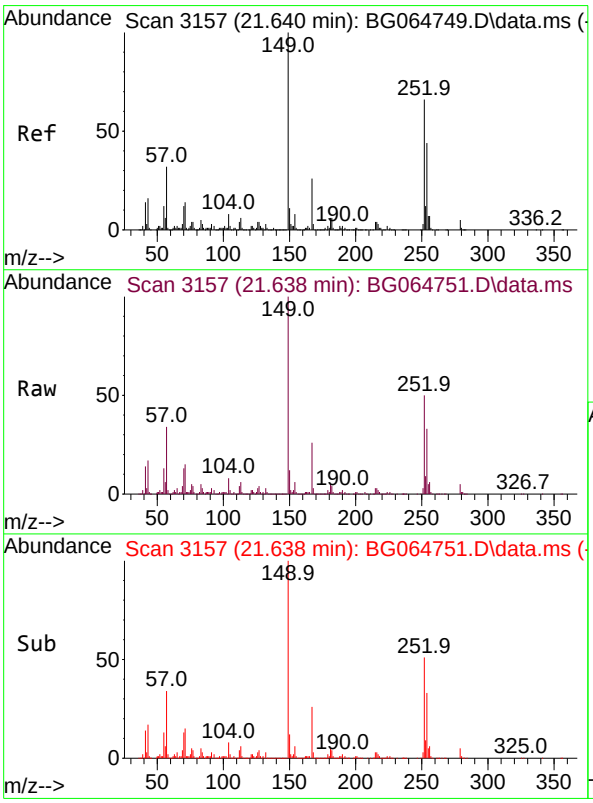
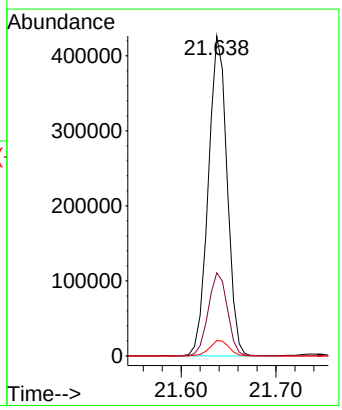
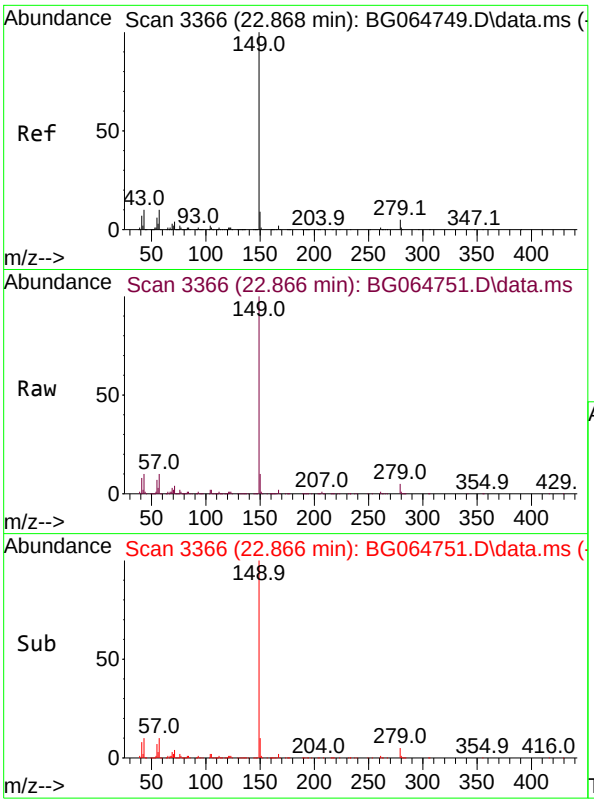


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.754 ng
RT: 21.638 min Scan# 3157
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 586917

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.4
279	4.8	4.1	6.1

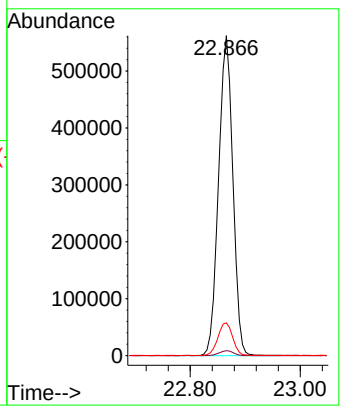




#85
Di-n-octyl phthalate
Concen: 58.705 ng
RT: 22.866 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:149 Resp: 101368

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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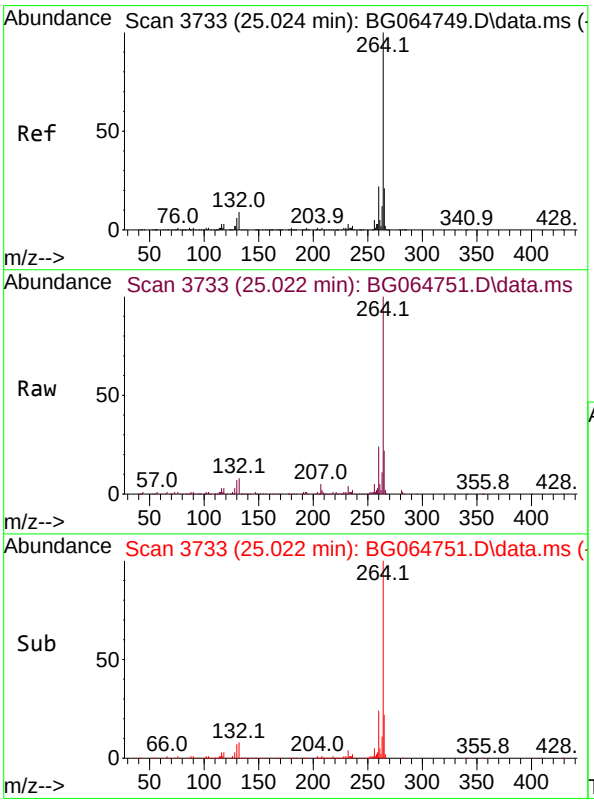
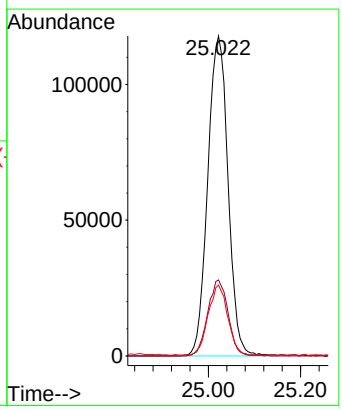
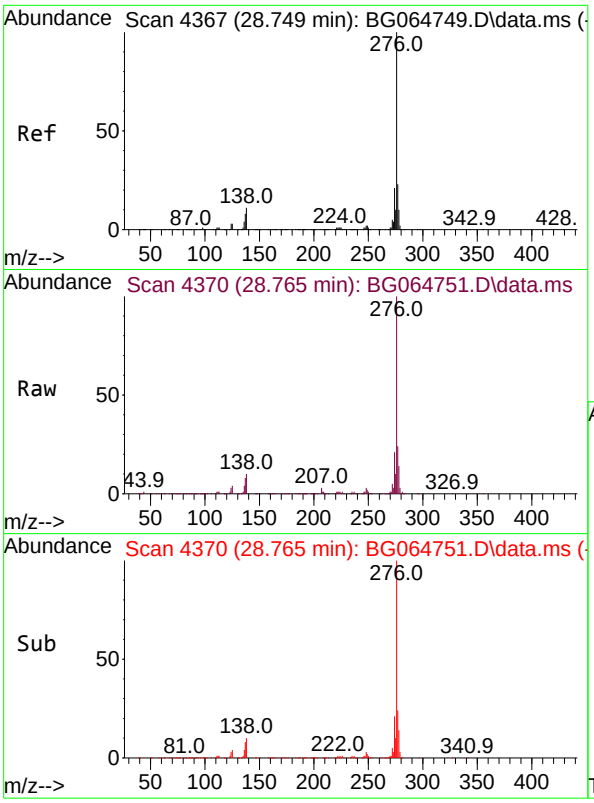


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.022 min Scan# 3733
Delta R.T. -0.002 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:264 Resp: 359143

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.2	25.8
265	22.1	16.6	25.0

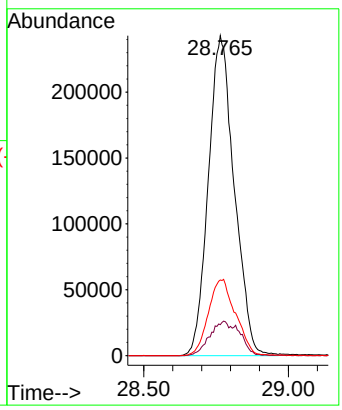




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.287 ng
RT: 28.765 min Scan# 4
Delta R.T. 0.016 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:276 Resp: 151221

Ion	Ratio	Lower	Upper
276	100		
138	8.7	4.5	6.7#
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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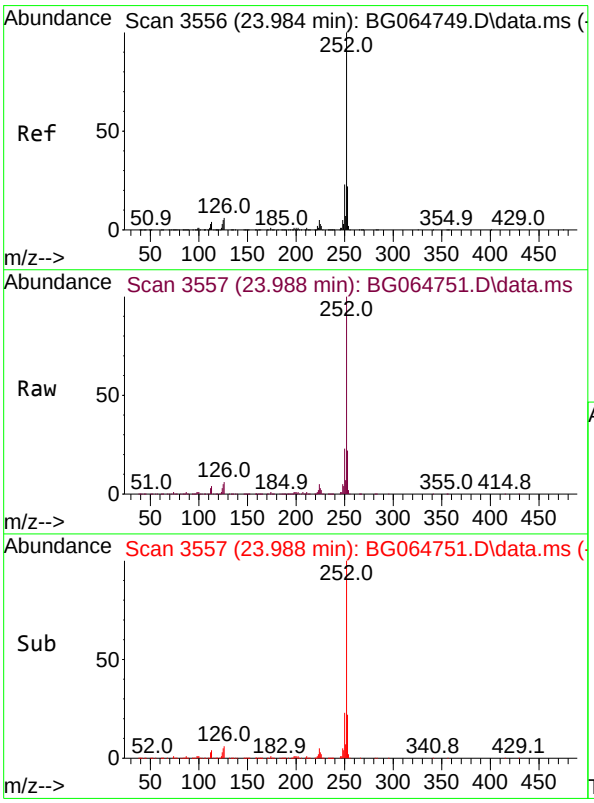
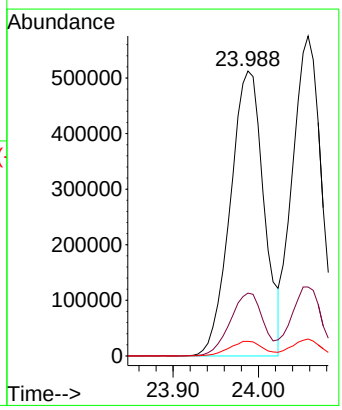
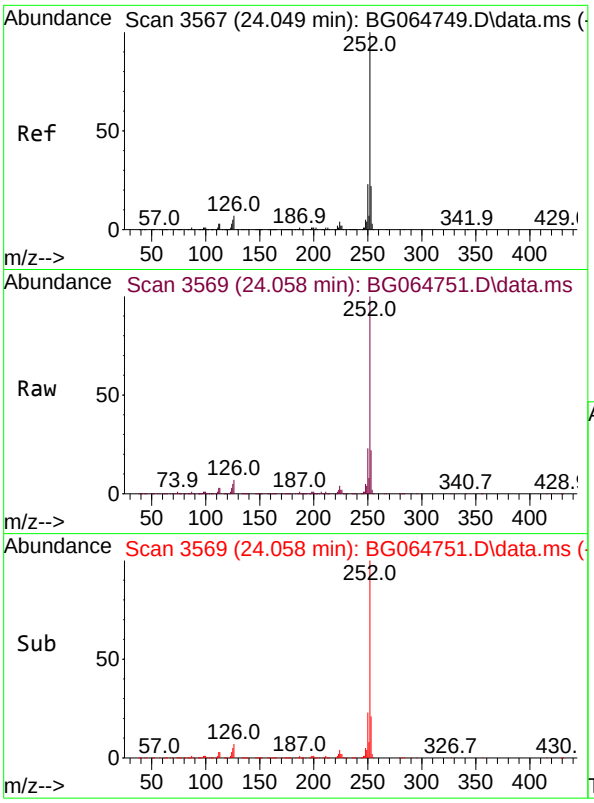


#88
Benzo(b)fluoranthene
Concen: 61.488 ng
RT: 23.988 min Scan# 3557
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 1405334

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.1	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 58.948 ng
RT: 24.058 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

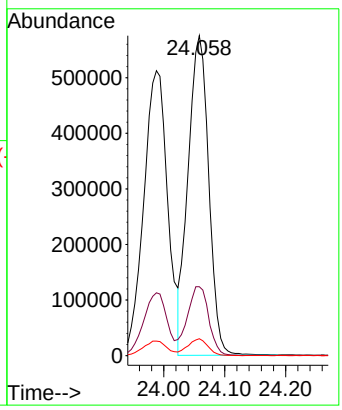
Tgt Ion:252 Resp: 135354

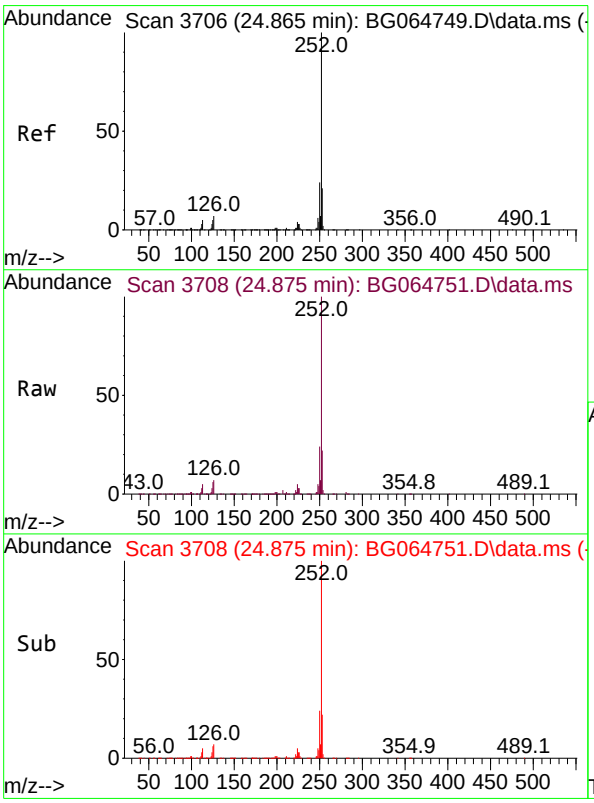
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	5.3	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

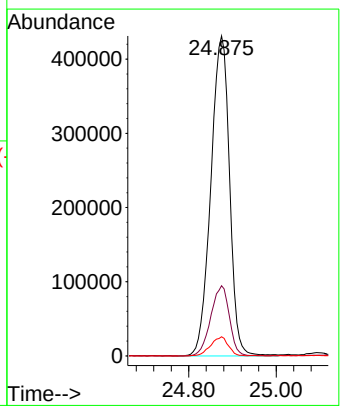


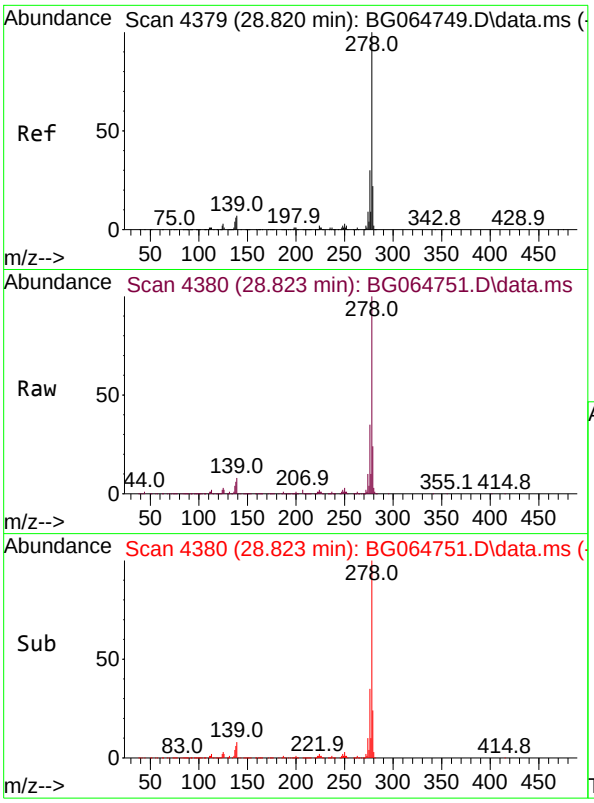


#90
Benzo(a)pyrene
Concen: 60.448 ng
RT: 24.875 min Scan# 3708
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:252 Resp: 1281570

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.9	25.3
125	6.0	4.2	6.4

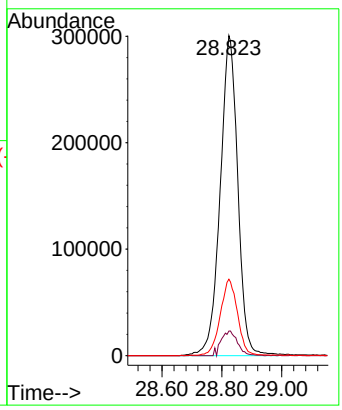




#91
Dibenzo(a,h)anthracene
Concen: 61.139 ng
RT: 28.823 min Scan# 4
Delta R.T. 0.004 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:278 Resp: 123584

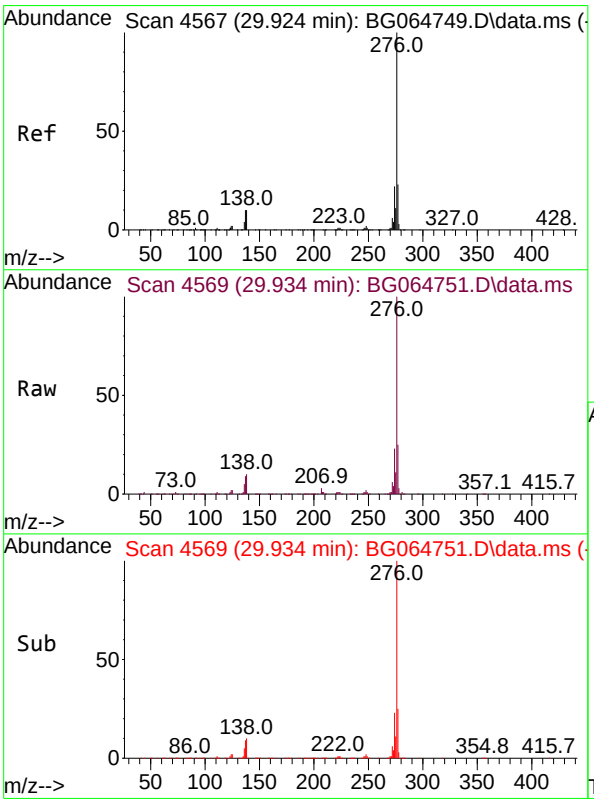
Ion	Ratio	Lower	Upper
278	100		
139	7.7	5.8	8.8
279	23.9	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

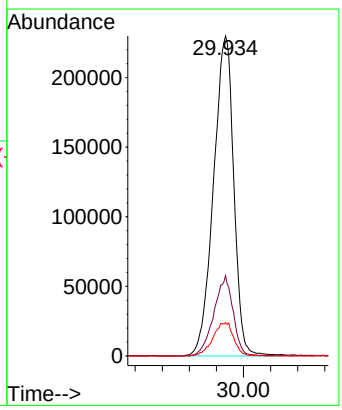
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 61.117 ng
RT: 29.934 min Scan# 4569
Delta R.T. 0.010 min
Lab File: BG064751.D
Acq: 12 Nov 2025 15:23

Tgt Ion:276 Resp: 1188967

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.0	27.0
138	10.4	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.169	152	32100	20.000	ng		0.00
21) Naphthalene-d8	10.984	136	121266	20.000	ng		0.00
39) Acenaphthene-d10	14.779	164	96505	20.000	ng		0.00
64) Phenanthrene-d10	17.506	188	241350	20.000	ng		0.00
76) Chrysene-d12	21.759	240	320922	20.000	ng		0.00
86) Perylene-d12	25.020	264	330317	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	292678	159.215	ng		0.00
7) Phenol-d6	7.312	99	395430	161.732	ng		0.00
23) Nitrobenzene-d5	9.333	82	419720	171.129	ng		0.00
42) 2,4,6-Tribromophenol	16.254	330	311552	165.530	ng		0.00
45) 2-Fluorobiphenyl	13.410	172	1098132	158.776	ng		0.00
79) Terphenyl-d14	20.097	244	2482378	152.157	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.534	88	54244	76.222	ng		98
3) Pyridine	3.945	79	167338	78.918	ng		97
4) n-Nitrosodimethylamine	3.851	42	85343	79.078	ng		99
6) Aniline	7.482	93	264134	81.049	ng		98
8) 2-Chlorophenol	7.729	128	161956	80.237	ng		97
9) Benzaldehyde	7.294	77	127618	79.738	ng		95
10) Phenol	7.341	94	217972	81.938	ng		98
11) bis(2-Chloroethyl)ether	7.576	93	150996	79.766	ng		98
12) 1,3-Dichlorobenzene	8.058	146	184833	79.580	ng		97
13) 1,4-Dichlorobenzene	8.205	146	186937	79.042	ng		98
14) 1,2-Dichlorobenzene	8.528	146	182159	79.436	ng		97
15) Benzyl Alcohol	8.399	79	166862	83.145	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.692	45	345673	77.148	ng		98
17) 2-Methylphenol	8.598	107	152115	80.814	ng		94
18) Hexachloroethane	9.268	117	70302	78.483	ng		98
19) n-Nitroso-di-n-propyla...	8.974	70	133452	80.726	ng		97
20) 3+4-Methylphenols	8.933	107	206758	80.182	ng		93
22) Acetophenone	8.992	105	276774	83.774	ng	#	96
24) Nitrobenzene	9.374	77	209778	84.650	ng		97
25) Isophorone	9.903	82	380468	81.460	ng		99
26) 2-Nitrophenol	10.085	139	99793	89.526	ng		96
27) 2,4-Dimethylphenol	10.144	122	163992	82.812	ng		99
28) bis(2-Chloroethoxy)met...	10.379	93	211036	82.303	ng		99
29) 2,4-Dichlorophenol	10.625	162	181140	85.199	ng		97
30) 1,2,4-Trichlorobenzene	10.849	180	211243	82.282	ng		98
31) Naphthalene	11.037	128	555384	80.791	ng		99
32) Benzoic acid	10.290	122	120088m	81.210	ng		
33) 4-Chloroaniline	11.131	127	232387	84.507	ng		98
34) Hexachlorobutadiene	11.325	225	181526	82.408	ng		98
35) Caprolactam	11.912	113	53925m	84.873	ng		
36) 4-Chloro-3-methylphenol	12.241	107	195826	82.752	ng		97
37) 2-Methylnaphthalene	12.629	142	410461	79.790	ng		99
38) 1-Methylnaphthalene	12.846	142	410081	80.251	ng		99
40) 1,2,4,5-Tetrachloroben...	12.987	216	310941	82.792	ng		100
41) Hexachlorocyclopentadiene	12.976	237	236416	87.822	ng		99
43) 2,4,6-Trichlorophenol	13.222	196	188174	85.368	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.293	196	209584	84.775	ng		99
46) 1,1'-Biphenyl	13.622	154	559459	80.715	ng		98
47) 2-Chloronaphthalene	13.663	162	442427	81.020	ng		99
48) 2-Nitroaniline	13.857	65	152081	86.588	ng		97
49) Acenaphthylene	14.503	152	749707	80.362	ng		99
50) Dimethylphthalate	14.221	163	610187	80.043	ng		99
51) 2,6-Dinitrotoluene	14.339	165	125468	85.533	ng		95
52) Acenaphthene	14.838	154	467978	83.664	ng		98
53) 3-Nitroaniline	14.668	138	124648	86.095	ng		95
54) 2,4-Dinitrophenol	14.873	184	85396	84.450	ng		96
55) Dibenzofuran	15.173	168	727625	78.683	ng		100
56) 4-Nitrophenol	14.961	139	101920	88.727	ng		88
57) 2,4-Dinitrotoluene	15.120	165	188833	85.865	ng		98
58) Fluorene	15.819	166	567083	78.187	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.390	232	207982	85.265	ng		97
60) Diethylphthalate	15.578	149	579413	79.342	ng		99
61) 4-Chlorophenyl-phenyle...	15.802	204	346839	79.684	ng		99
62) 4-Nitroaniline	15.825	138	129007	86.012	ng		94
63) Azobenzene	16.095	77	473692	77.985	ng		96
65) 4,6-Dinitro-2-methylph...	15.884	198	126058	94.071	ng		96
66) n-Nitrosodiphenylamine	16.013	169	505935	80.031	ng		99
67) 4-Bromophenyl-phenylether	16.695	248	258213	81.469	ng		97
68) Hexachlorobenzene	16.818	284	311899	81.224	ng		95
69) Atrazine	16.953	200	246695	80.938	ng		98
70) Pentachlorophenol	17.153	266	185967	81.697	ng		97
71) Phenanthrene	17.552	178	1036635	78.503	ng		99
72) Anthracene	17.641	178	1075224	79.854	ng		99
73) Carbazole	17.899	167	917321	79.248	ng		99
74) Di-n-butylphthalate	18.451	149	1022641	79.189	ng		100
75) Fluoranthene	19.544	202	1397734	77.406	ng		99
77) Benzidine	19.709	184	715252	74.419	ng		98
78) Pyrene	19.903	202	1443820	80.273	ng		99
80) Butylbenzylphthalate	20.772	149	511144	80.795	ng		97
81) Benzo(a)anthracene	21.742	228	1727230	79.153	ng		99
82) 3,3'-Dichlorobenzidine	21.648	252	617916	76.933	ng		99
83) Chrysene	21.806	228	1622815	78.881	ng		99
84) Bis(2-ethylhexyl)phtha...	21.636	149	710301	76.834	ng		100
85) Di-n-octyl phthalate	22.864	149	1234609	77.260	ng		99
87) Indeno(1,2,3-cd)pyrene	28.775	276	1899785	83.713	ng	#	96
88) Benzo(b)fluoranthene	23.992	252	1712491	81.466	ng		99
89) Benzo(k)fluoranthene	24.063	252	1723708	81.620	ng		98
90) Benzo(a)pyrene	24.879	252	1583859	81.225	ng		99
91) Dibenzo(a,h)anthracene	28.833	278	1559703	83.894	ng		97
92) Benzo(g,h,i)perylene	29.938	276	1494746	83.541	ng		97

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

ICAL Form

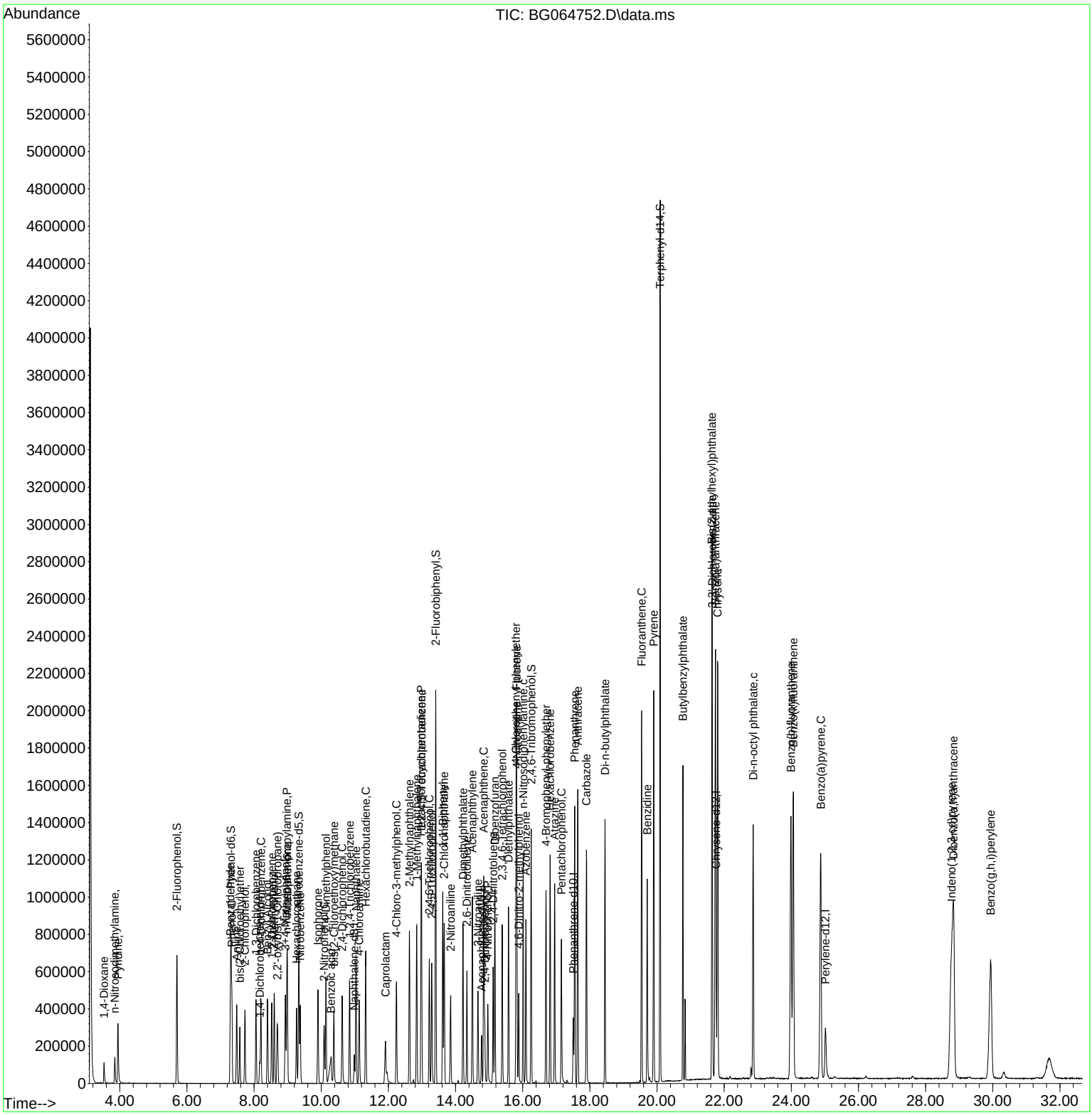
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064752.D
Acq On : 12 Nov 2025 16:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

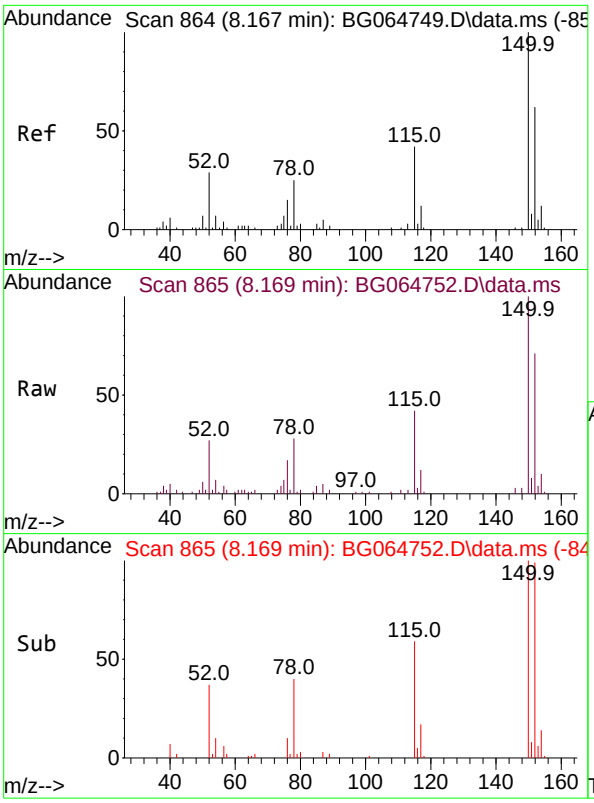
Quant Time: Nov 12 16:59:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 16:45:57 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

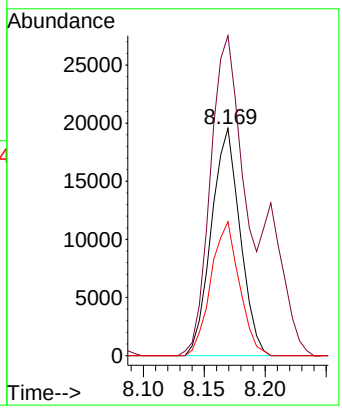




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:152 Resp: 3210

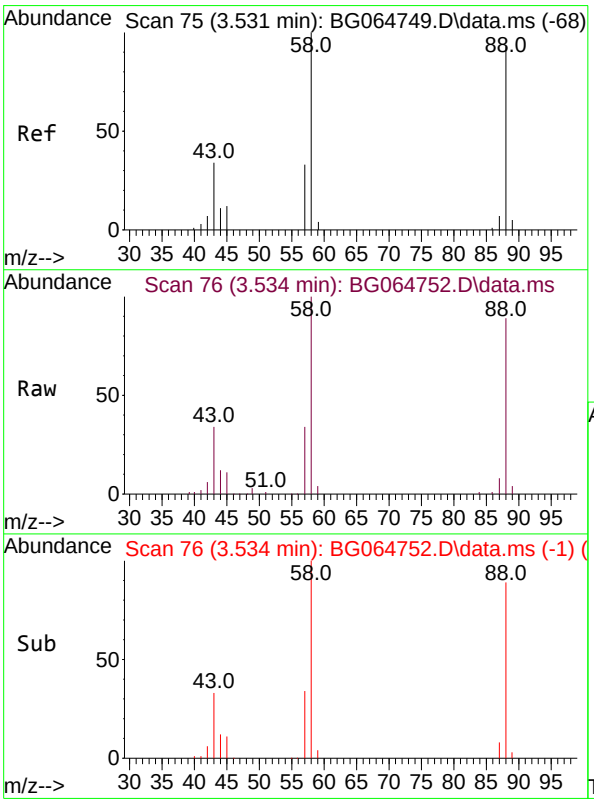
Ion	Ratio	Lower	Upper
152	100		
150	140.9	129.2	193.8
115	59.0	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

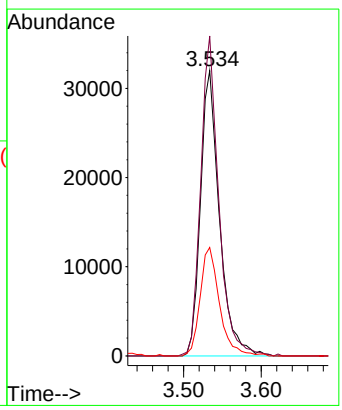
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

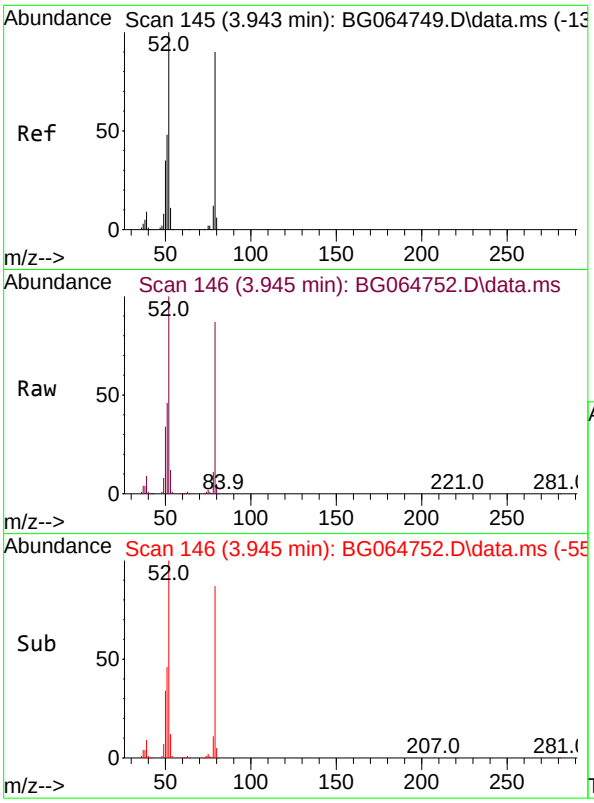


#2
1,4-Dioxane
Concen: 76.222 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 88 Resp: 54244

Ion	Ratio	Lower	Upper
88	100		
58	107.1	84.6	126.8
43	38.9	30.0	45.0

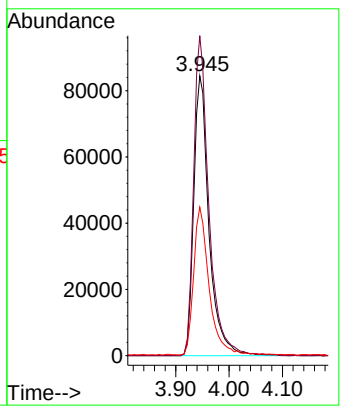




#3
Pyridine
Concen: 78.918 ng
RT: 3.945 min Scan# 14
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 79 Resp: 16733

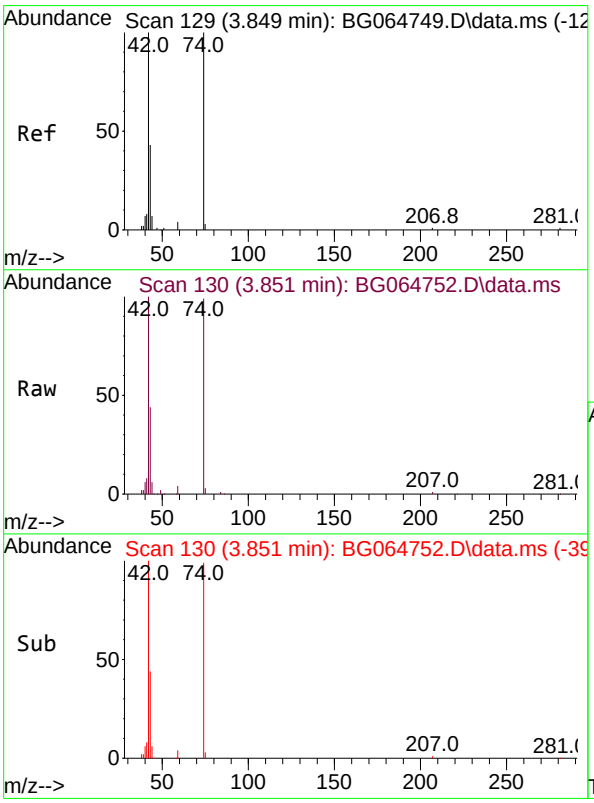
Ion	Ratio	Lower	Upper
79	100		
52	114.4	89.0	133.4
51	53.0	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

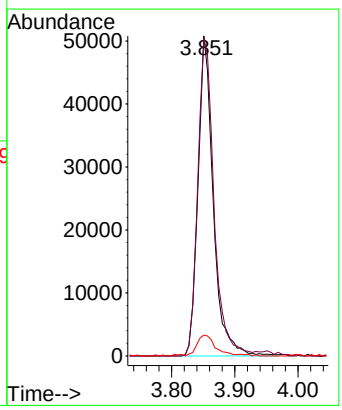
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

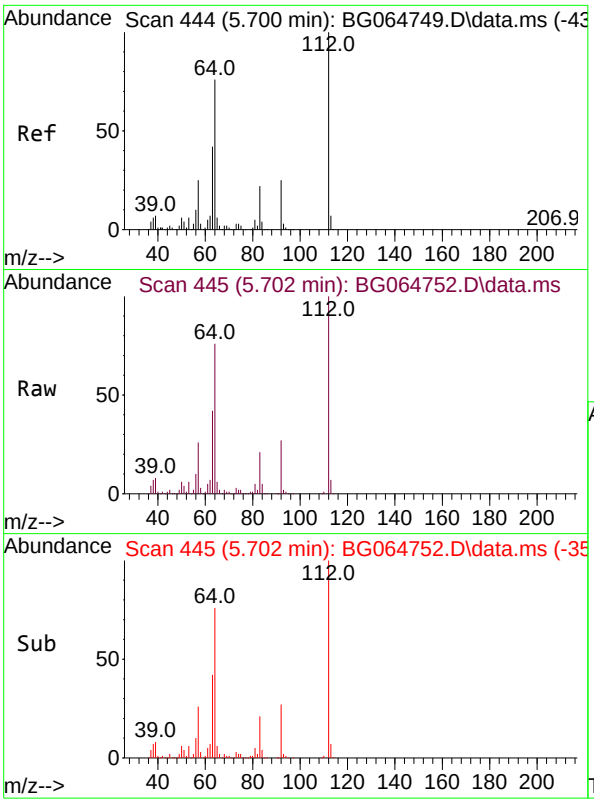


#4
n-Nitrosodimethylamine
Concen: 79.078 ng
RT: 3.851 min Scan# 130
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 42 Resp: 85343

Ion	Ratio	Lower	Upper
42	100		
74	99.2	79.8	119.6
44	6.5	5.9	8.9





#5
2-Fluorophenol
Concen: 159.215 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

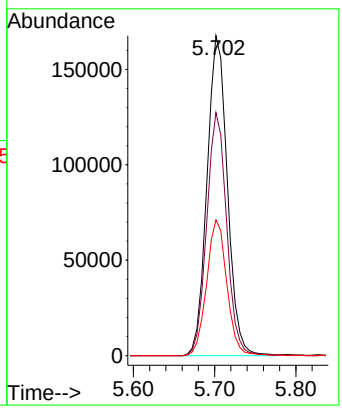
Tgt Ion:112 Resp: 29267

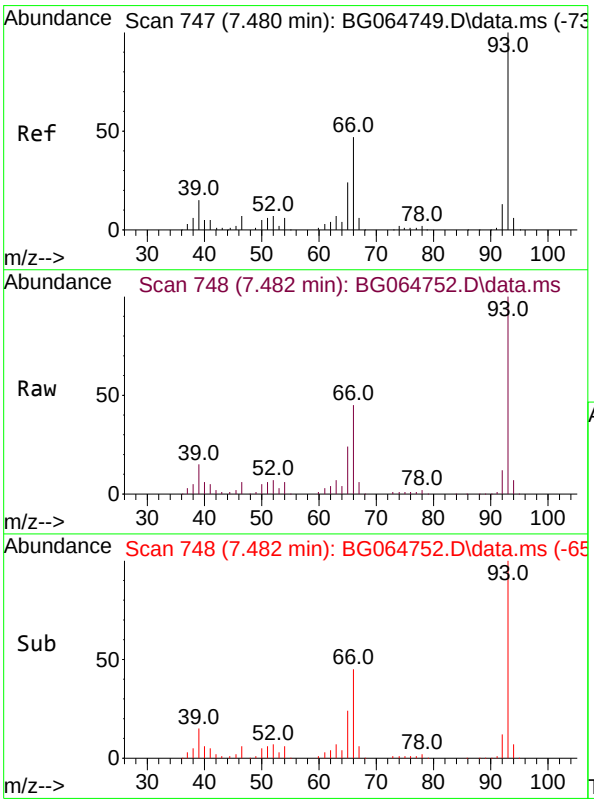
Ion	Ratio	Lower	Upper
112	100		
64	75.9	61.0	91.4
63	42.4	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

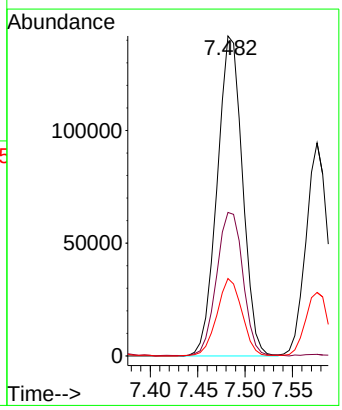


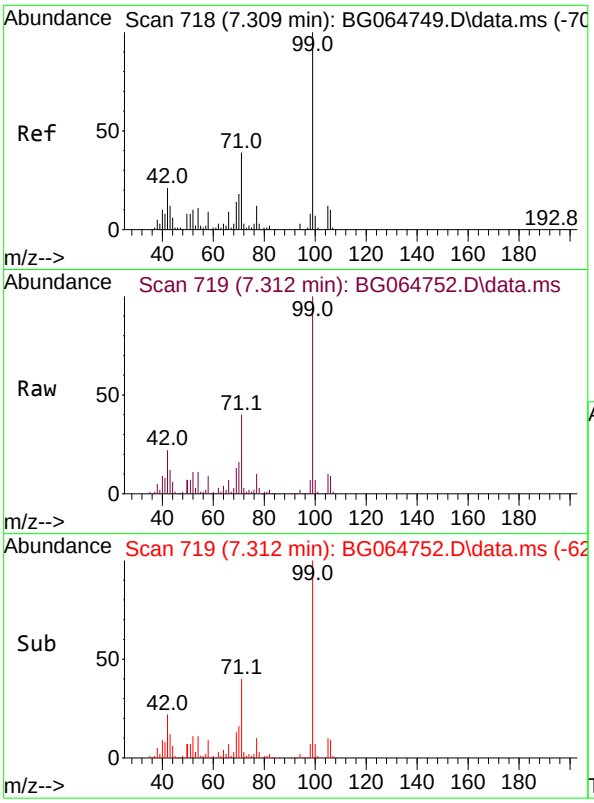


#6
Aniline
Concen: 81.049 ng
RT: 7.482 min Scan# 748
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 264134

Ion	Ratio	Lower	Upper
93	100		
66	44.8	37.7	56.5
65	24.2	19.1	28.7

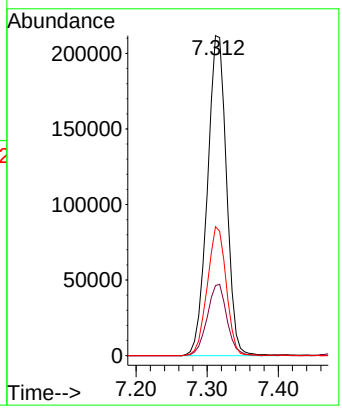




#7
Phenol-d6
Concen: 161.732 ng
RT: 7.312 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 99 Resp: 39543

Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.8	25.2
71	40.3	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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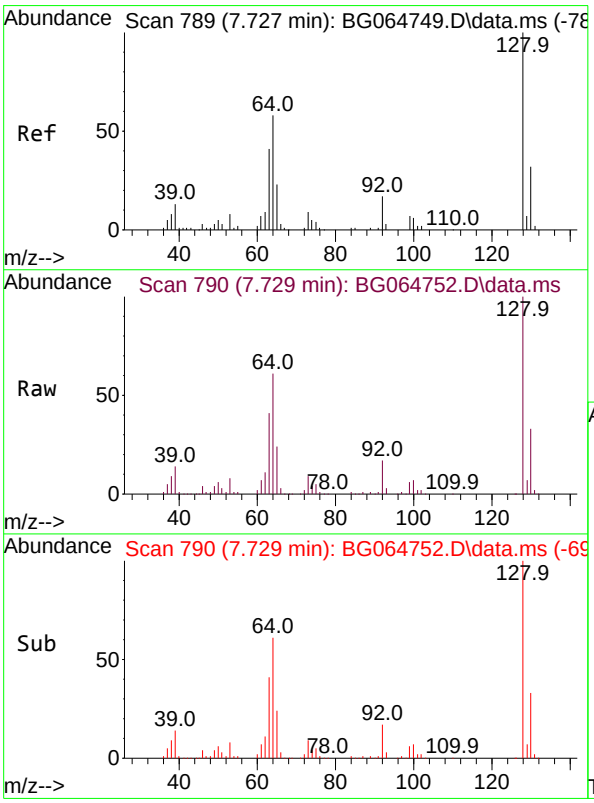
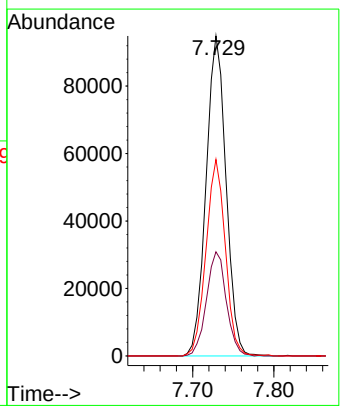
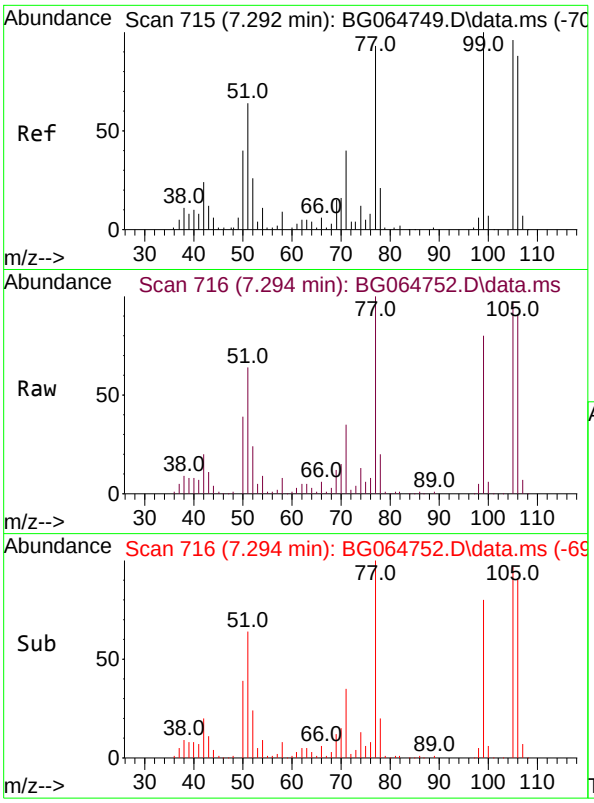


#8
2-Chlorophenol
Concen: 80.237 ng
RT: 7.729 min Scan# 790
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:128 Resp: 161956

Ion	Ratio	Lower	Upper
128	100		
130	32.5	11.9	51.9
64	61.4	38.4	78.4

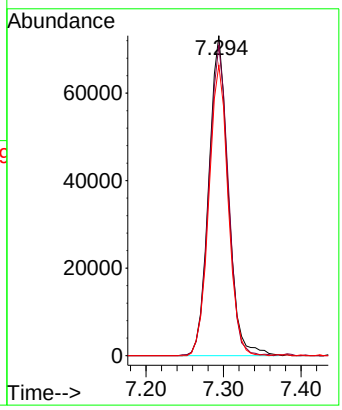




#9
Benzaldehyde
Concen: 79.738 ng
RT: 7.294 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 12761

Ion	Ratio	Lower	Upper
77	100		
105	96.9	83.8	123.8
106	90.8	74.3	114.3



Instrument :
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ClientSampleId :
SSTDICC080

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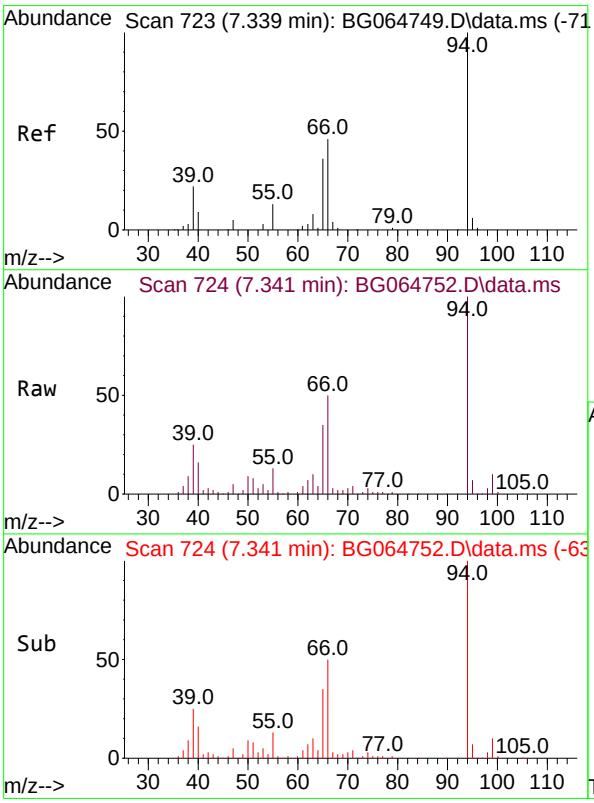
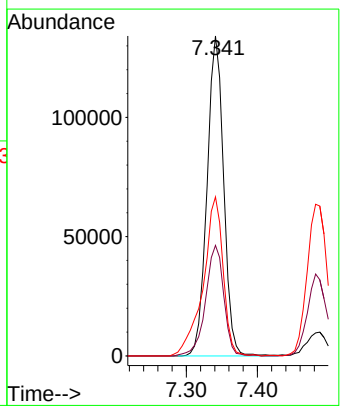
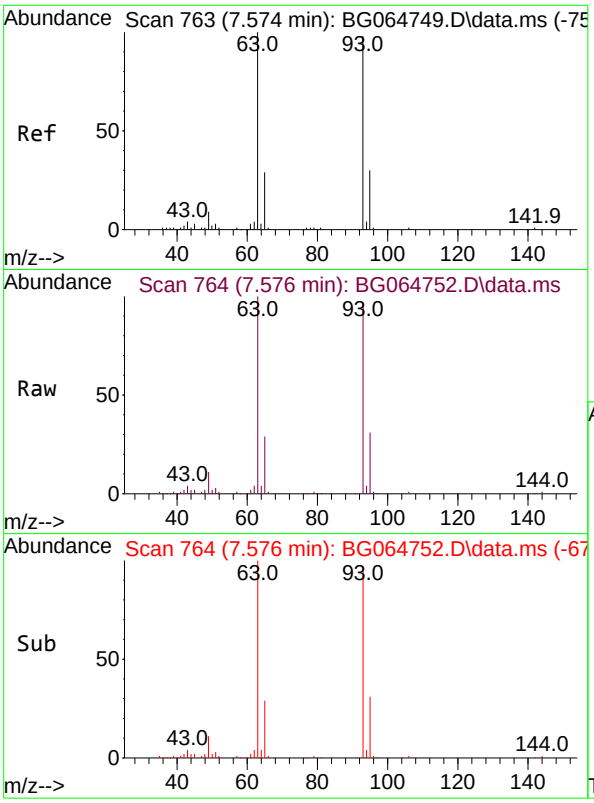


#10
Phenol
Concen: 81.938 ng
RT: 7.341 min Scan# 724
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 94 Resp: 217972

Ion	Ratio	Lower	Upper
94	100		
65	34.5	17.0	57.0
66	49.7	29.8	69.8

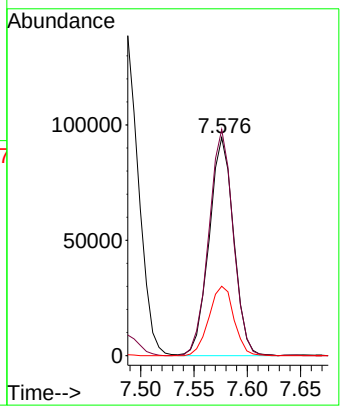




#11
bis(2-Chloroethyl)ether
Concen: 79.766 ng
RT: 7.576 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 15099

Ion	Ratio	Lower	Upper
93	100		
63	103.7	81.8	121.8
95	31.8	10.3	50.3



Instrument :
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ClientSampleId :
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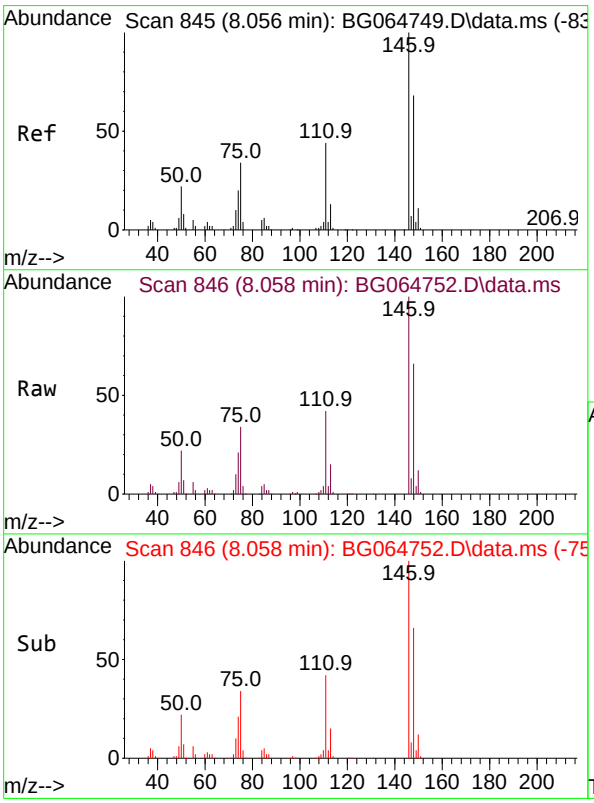
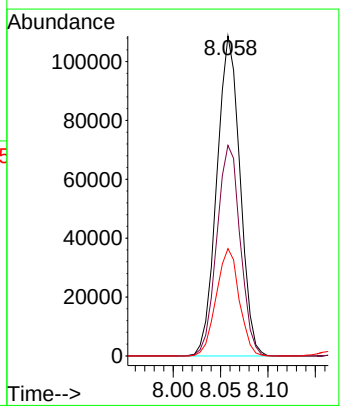
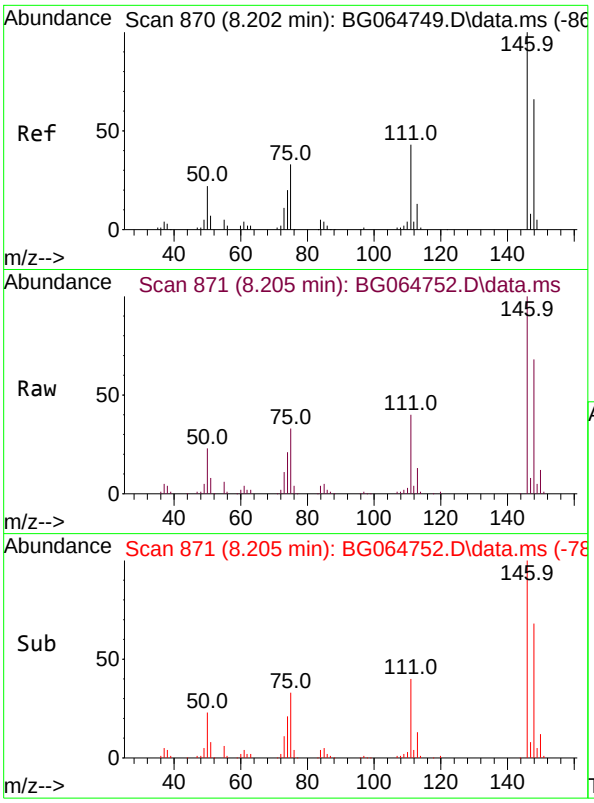


#12
1,3-Dichlorobenzene
Concen: 79.580 ng
RT: 8.058 min Scan# 846
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 184833

Ion	Ratio	Lower	Upper
146	100		
148	65.8	54.6	82.0
75	33.5	27.6	41.4

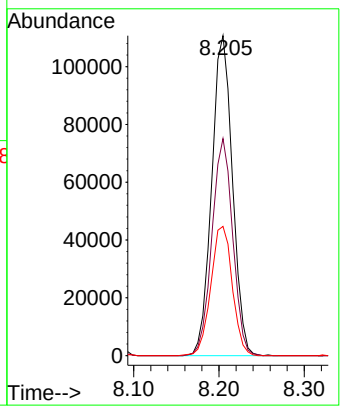




#13
1,4-Dichlorobenzene
Concen: 79.042 ng
RT: 8.205 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 18693

Ion	Ratio	Lower	Upper
146	100		
148	67.8	53.1	79.7
111	40.4	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
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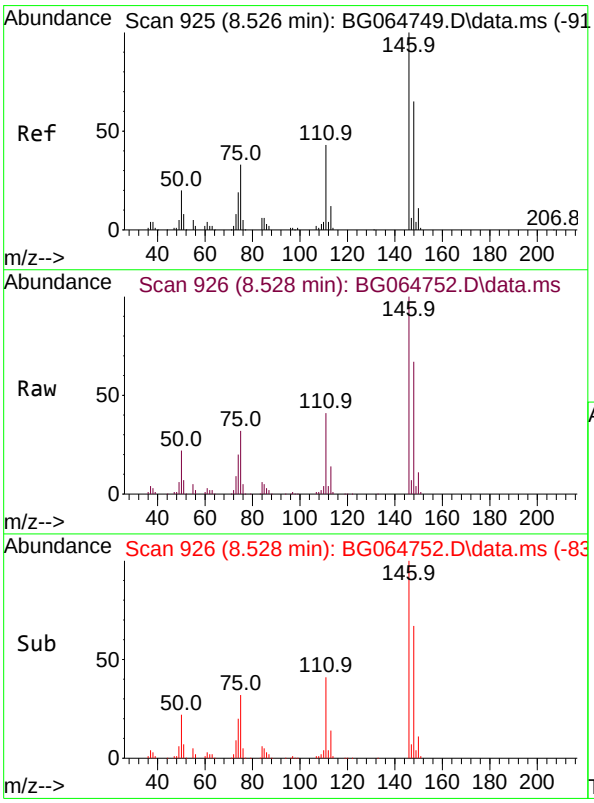
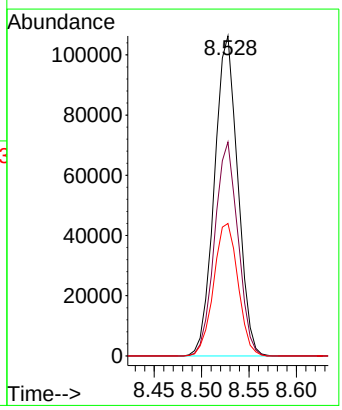
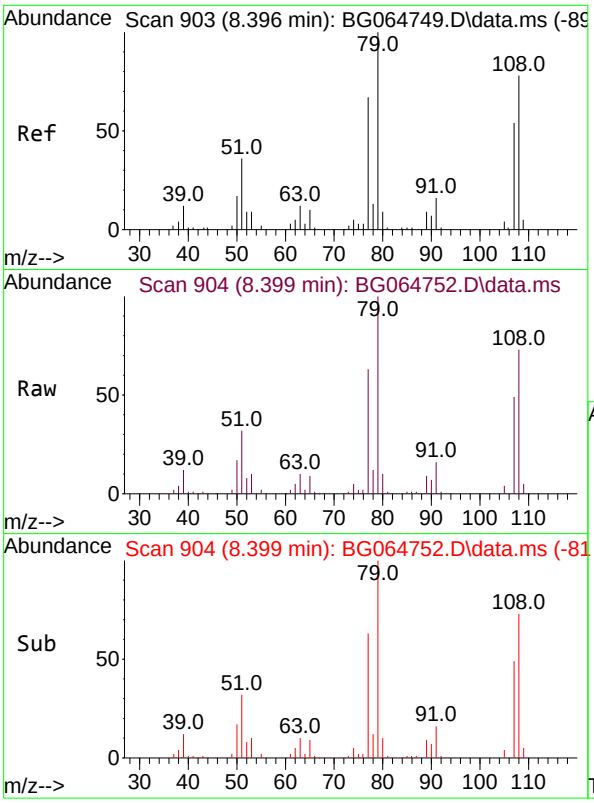


#14
1,2-Dichlorobenzene
Concen: 79.436 ng
RT: 8.528 min Scan# 926
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:146 Resp: 182159

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.0	78.0
111	41.4	34.7	52.1

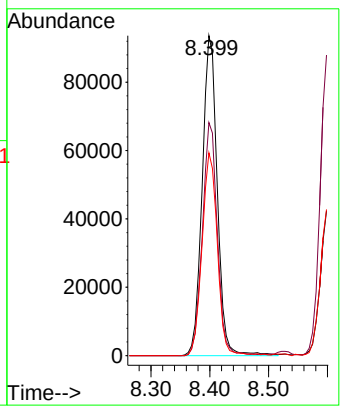




#15
Benzyl Alcohol
Concen: 83.145 ng
RT: 8.399 min Scan# 90
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 79 Resp: 16686

Ion	Ratio	Lower	Upper
79	100		
108	72.8	62.3	93.5
77	63.4	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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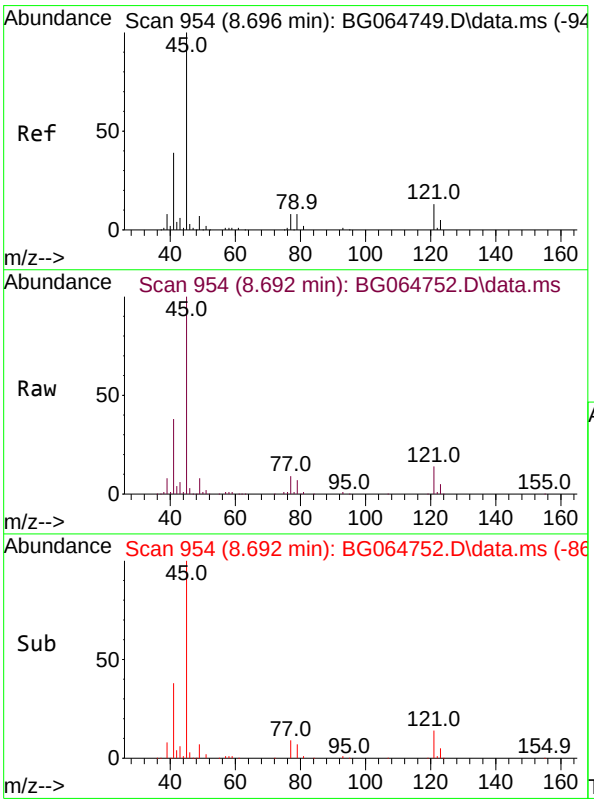
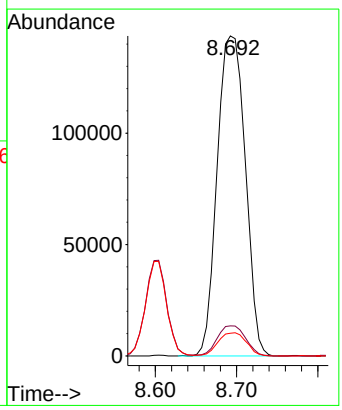
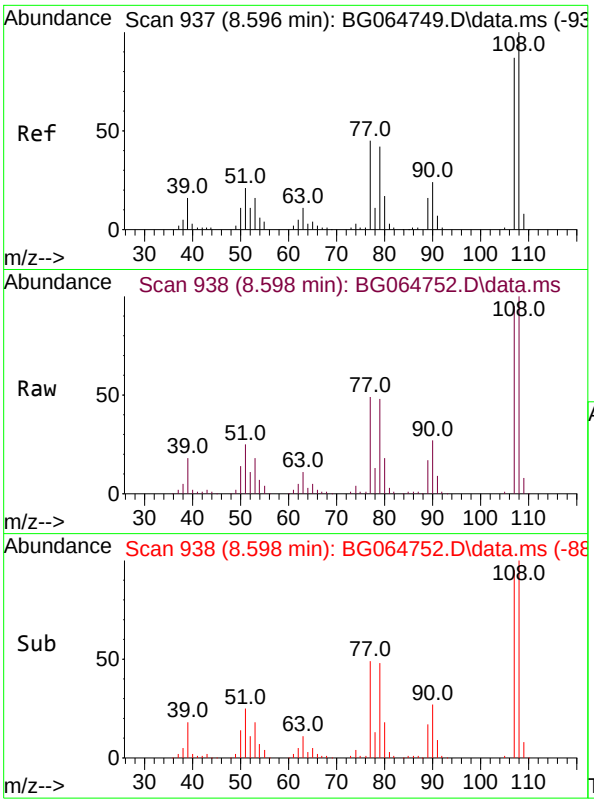


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.148 ng
RT: 8.692 min Scan# 954
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 45 Resp: 345673

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	28.8
79	7.1	0.0	28.1

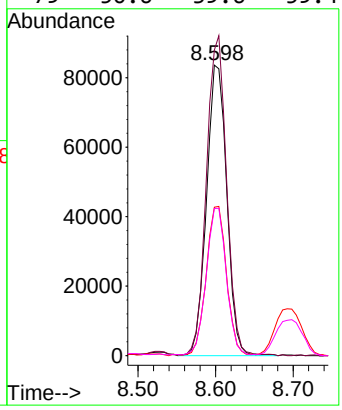




#17
2-Methylphenol
Concen: 80.814 ng
RT: 8.598 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 15211

Ion	Ratio	Lower	Upper
107	100		
108	105.2	92.6	138.8
77	51.1	41.2	61.8
79	50.6	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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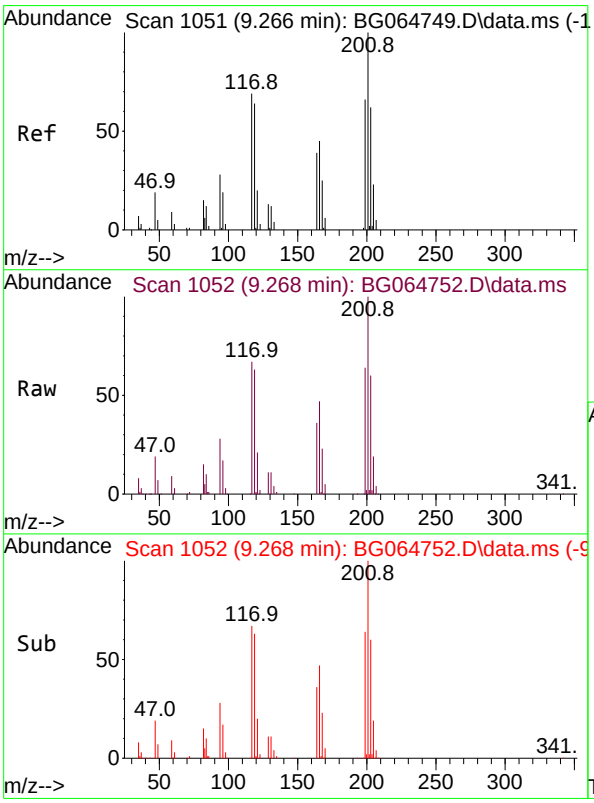
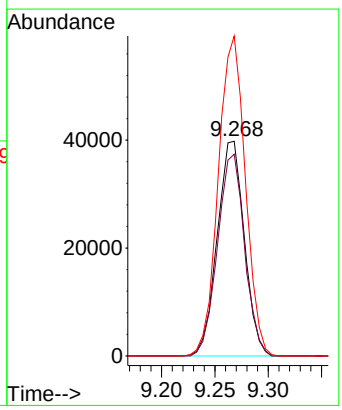
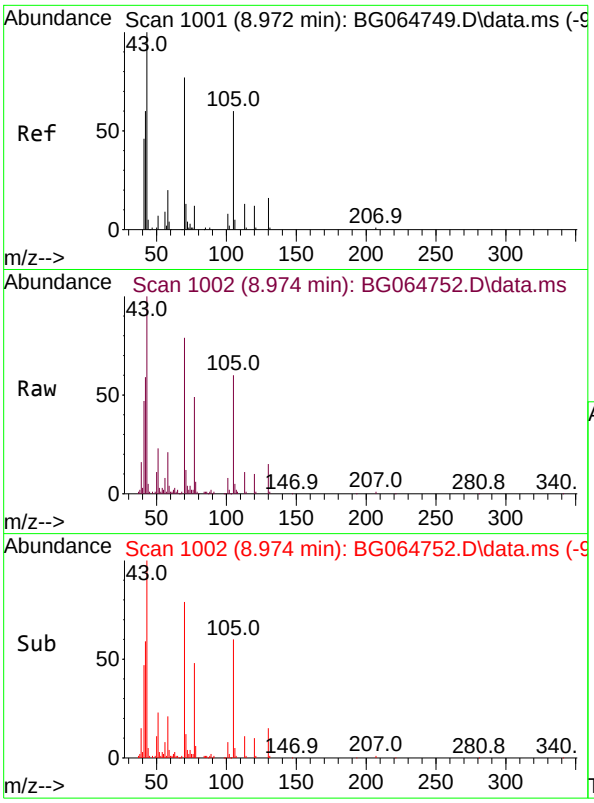


#18
Hexachloroethane
Concen: 78.483 ng
RT: 9.268 min Scan# 1052
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:117 Resp: 70302

Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.4	111.6
201	149.1	116.5	174.7

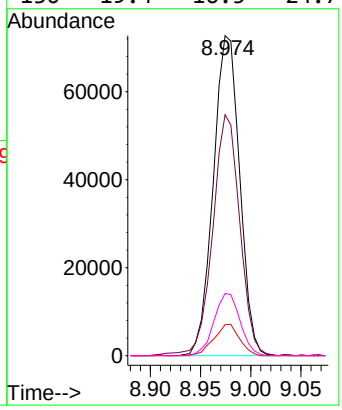




#19
n-Nitroso-di-n-propylamine
Concen: 80.726 ng
RT: 8.974 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 70 Resp: 13345

Ion	Ratio	Lower	Upper
70	100		
42	75.3	62.6	93.8
101	9.7	8.0	12.0
130	19.4	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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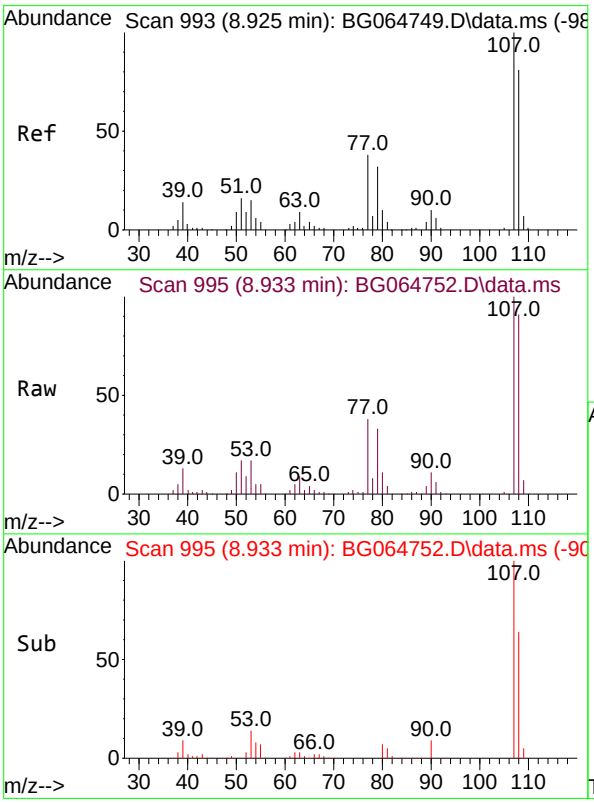
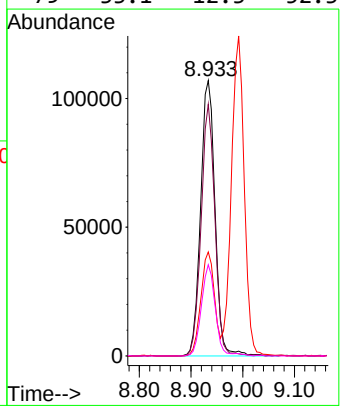
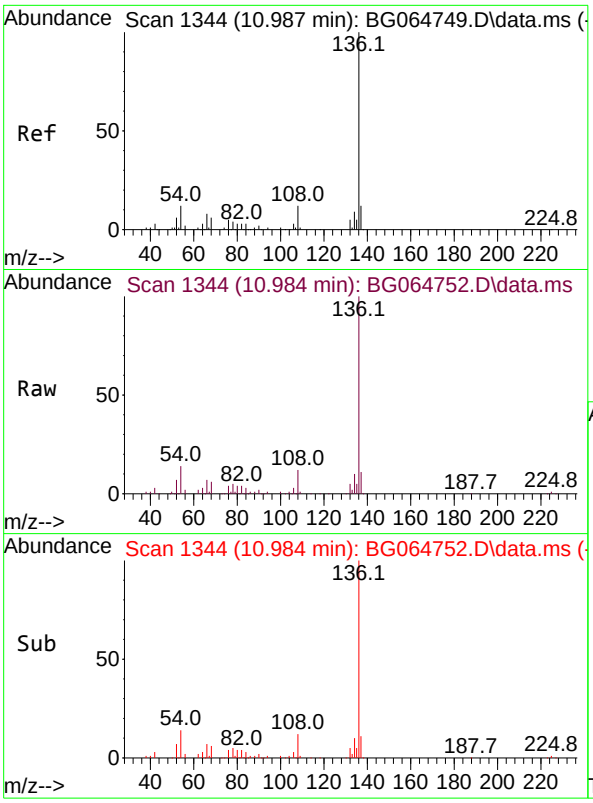


#20
3+4-Methylphenols
Concen: 80.182 ng
RT: 8.933 min Scan# 995
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 206758

Ion	Ratio	Lower	Upper
107	100		
108	91.4	61.0	101.0
77	37.8	17.6	57.6
79	33.1	12.3	52.3

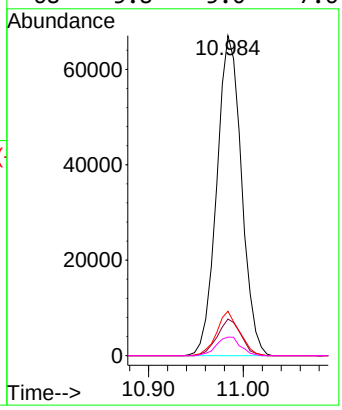




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:136 Resp: 12126

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	13.9	9.3	13.9
68	5.8	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
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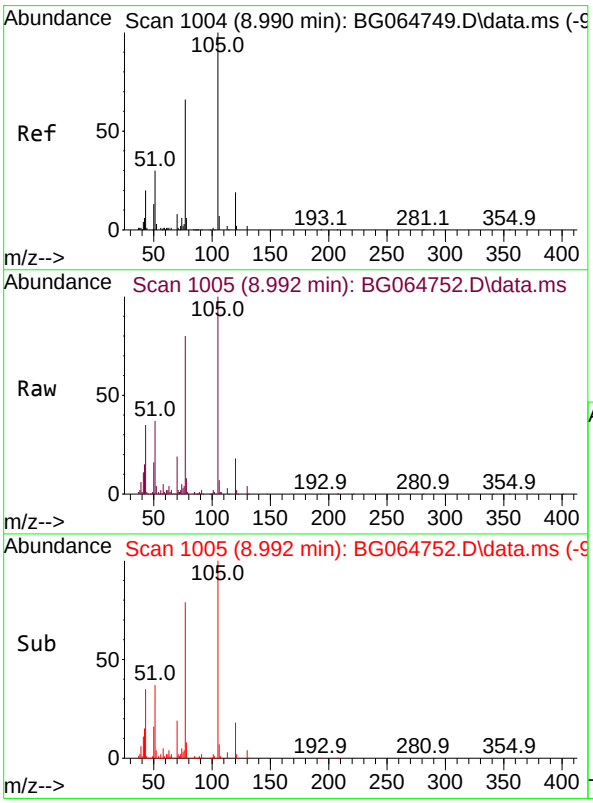
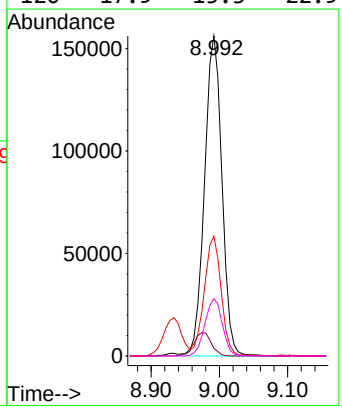
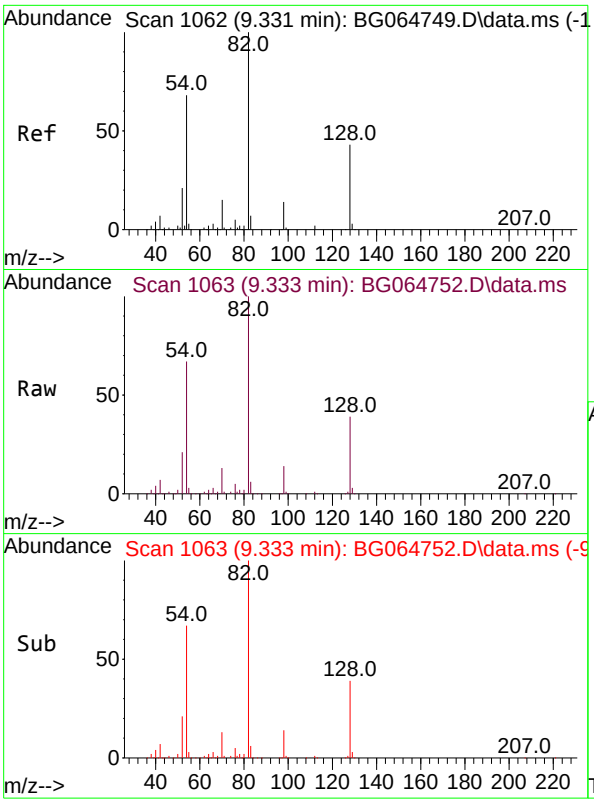


#22
Acetophenone
Concen: 83.774 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:105 Resp: 276774

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.3	1.9#
51	37.4	27.9	41.9
120	17.9	15.3	22.9

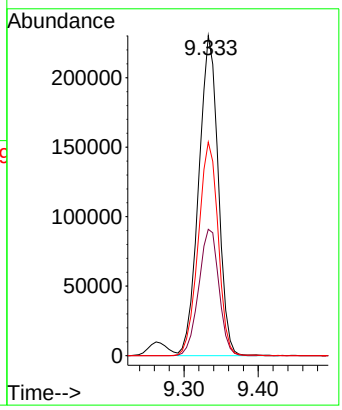




#23
Nitrobenzene-d5
Concen: 171.129 ng
RT: 9.333 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 82 Resp: 41972

Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.1	51.1
54	66.7	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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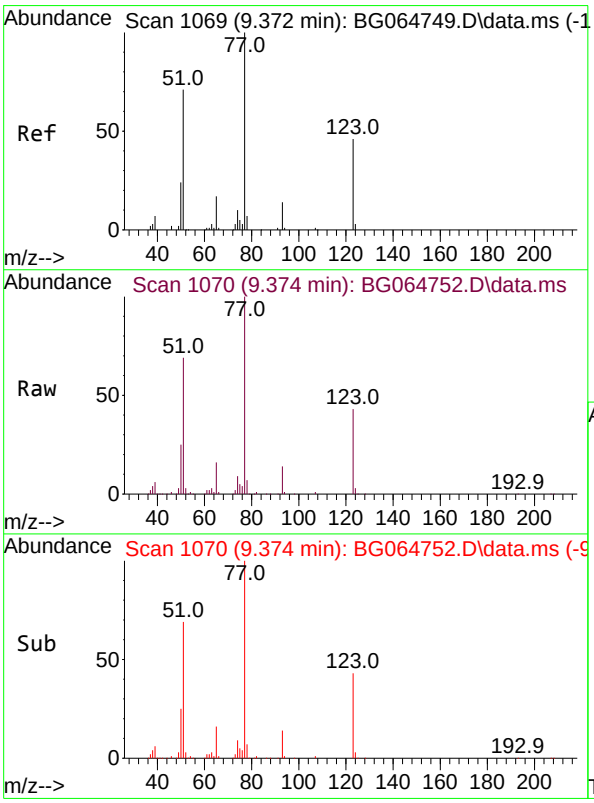
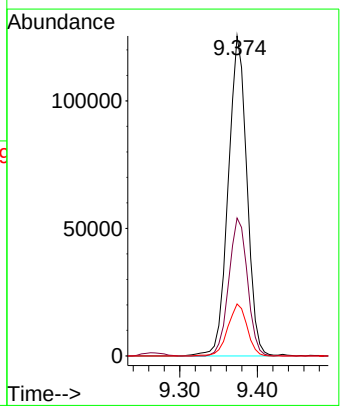
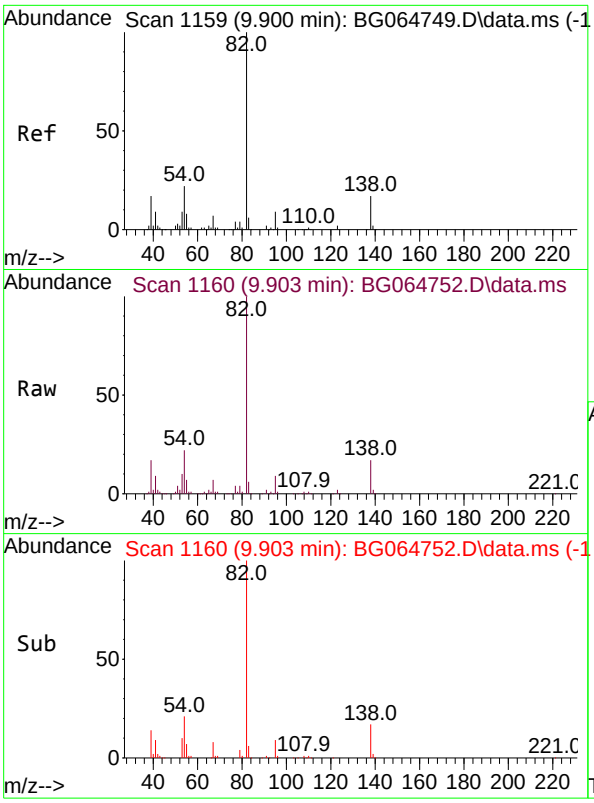


#24
Nitrobenzene
Concen: 84.650 ng
RT: 9.374 min Scan# 1070
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 209778

Ion	Ratio	Lower	Upper
77	100		
123	43.1	36.5	54.7
65	16.2	13.5	20.3

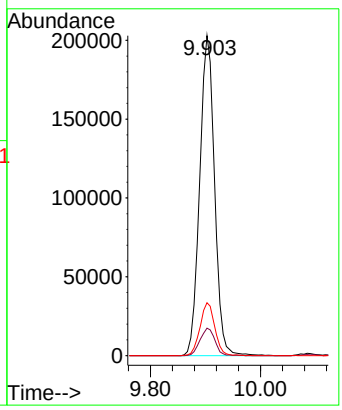




#25
Isophorone
Concen: 81.460 ng
RT: 9.903 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 82 Resp: 380468

Ion	Ratio	Lower	Upper
82	100		
95	8.6	6.9	10.3
138	16.5	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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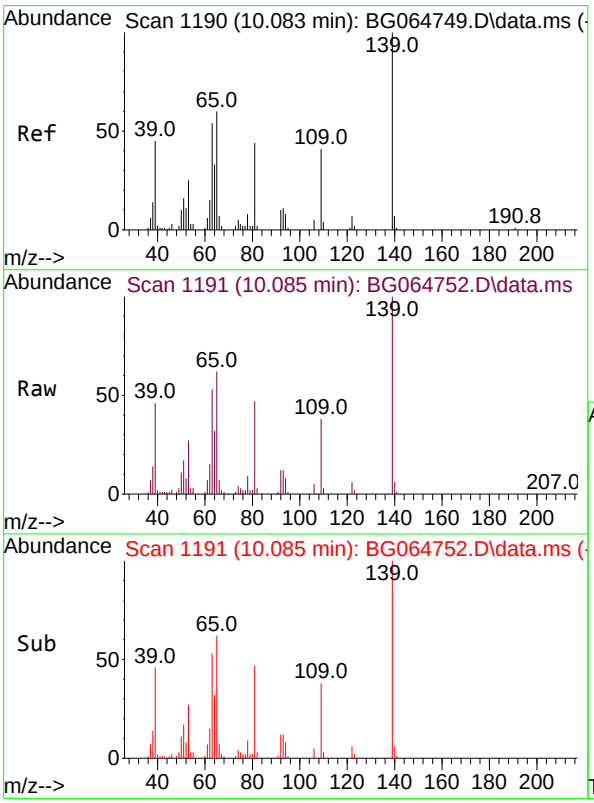
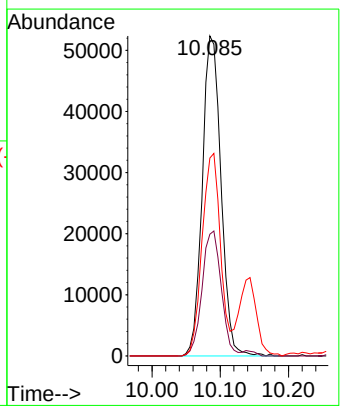
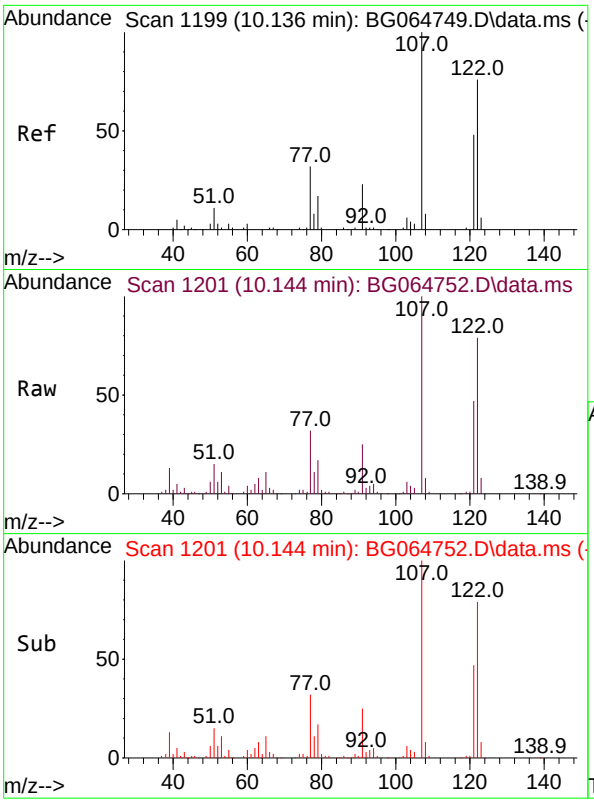


#26
2-Nitrophenol
Concen: 89.526 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:139 Resp: 99793

Ion	Ratio	Lower	Upper
139	100		
109	38.0	32.5	48.7
65	61.8	47.6	71.4

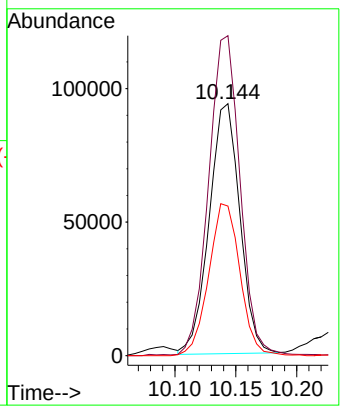




#27
2,4-Dimethylphenol
Concen: 82.812 ng
RT: 10.144 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:122 Resp: 16399

Ion	Ratio	Lower	Upper
122	100		
107	127.1	102.5	153.7
121	59.4	49.0	73.6



Instrument :
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ClientSampleId :
SSTDICC080

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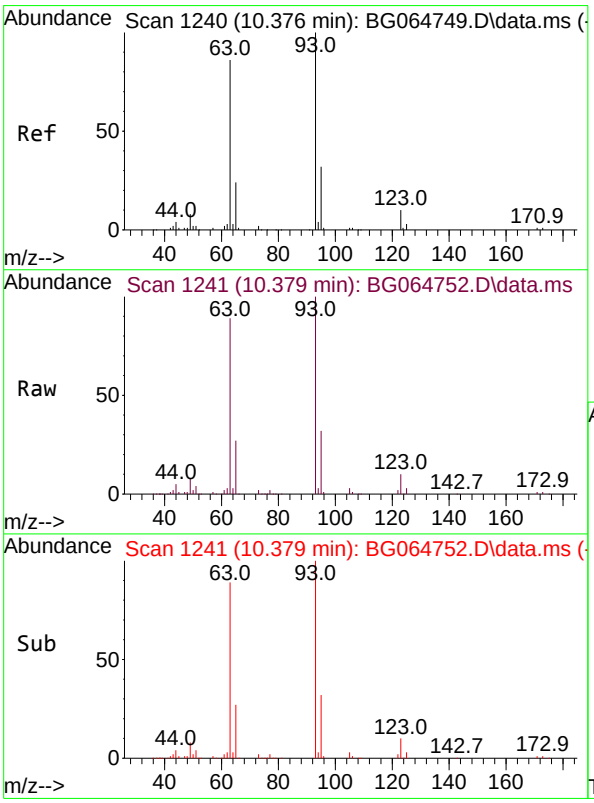
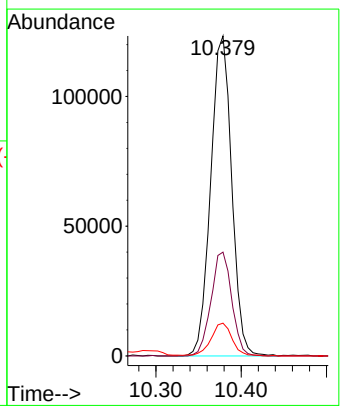
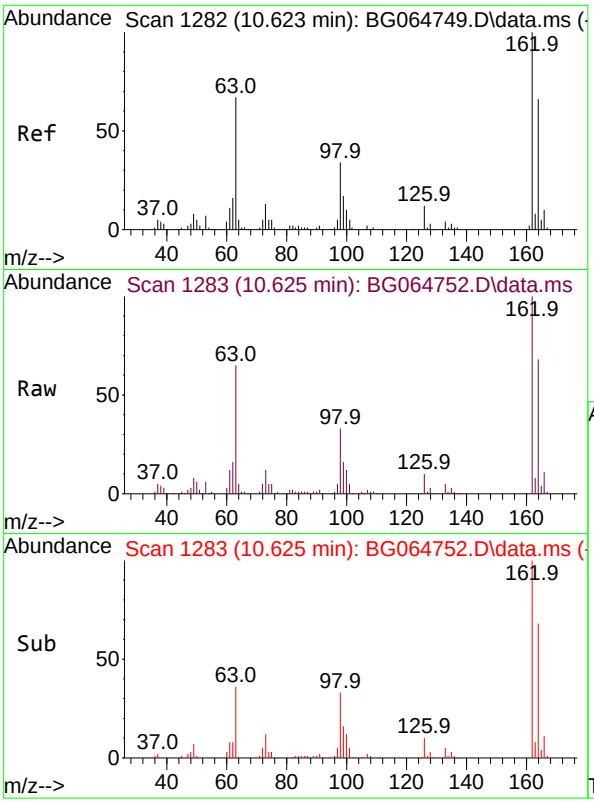


#28
bis(2-Chloroethoxy)methane
Concen: 82.303 ng
RT: 10.379 min Scan# 1241
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 93 Resp: 211036

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.4	38.2
123	10.2	8.1	12.1

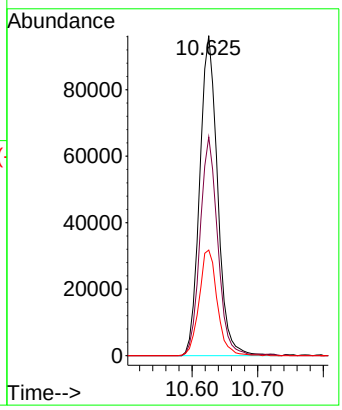




#29
2,4-Dichlorophenol
Concen: 85.199 ng
RT: 10.625 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:162 Resp: 18114

Ion	Ratio	Lower	Upper
162	100		
164	68.3	46.0	86.0
98	33.0	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
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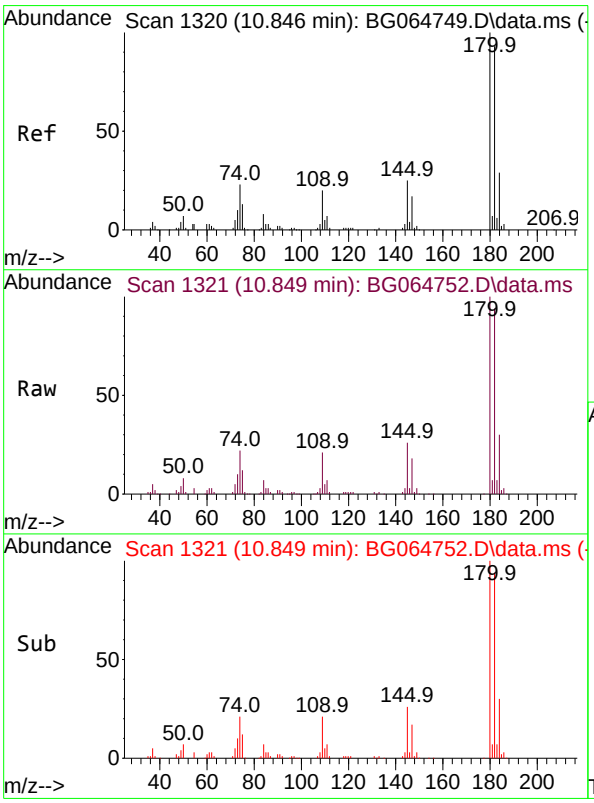
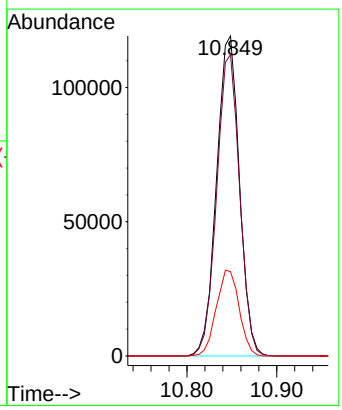
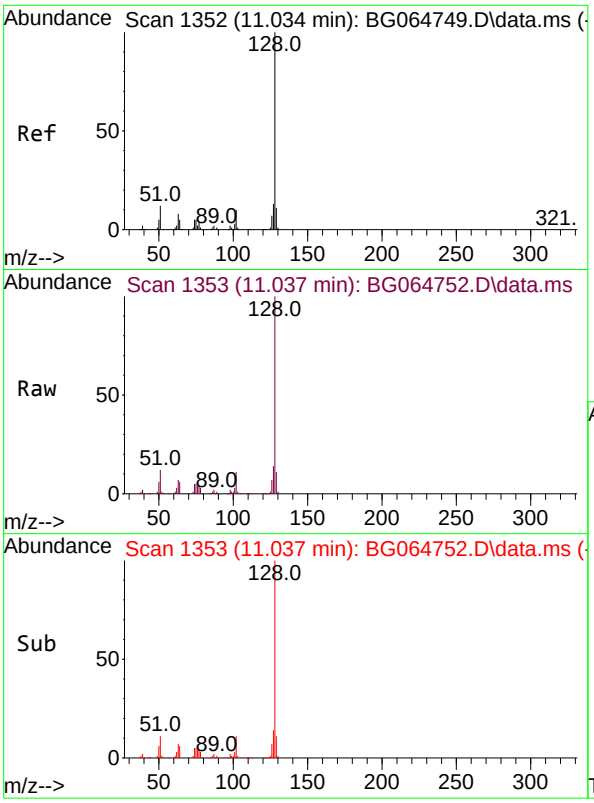


#30
1,2,4-Trichlorobenzene
Concen: 82.282 ng
RT: 10.849 min Scan# 1321
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:180 Resp: 211243

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.2	111.4
145	26.3	20.0	30.0

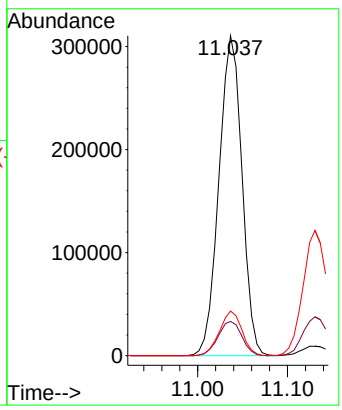




#31
Naphthalene
Concen: 80.791 ng
RT: 11.037 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:128 Resp: 55538

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	14.0	10.6	16.0



Instrument :
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ClientSampleId :
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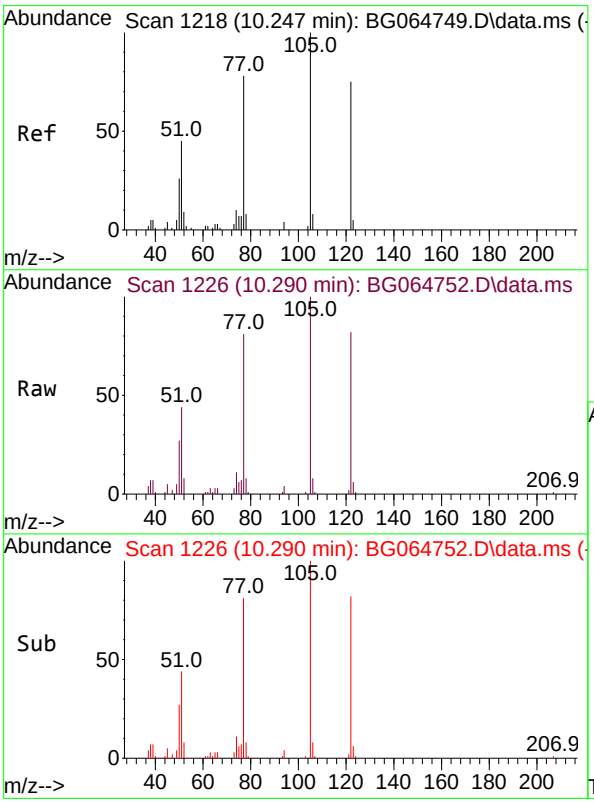
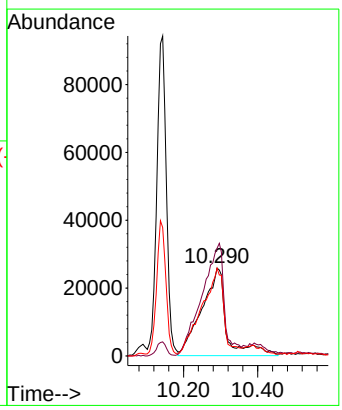
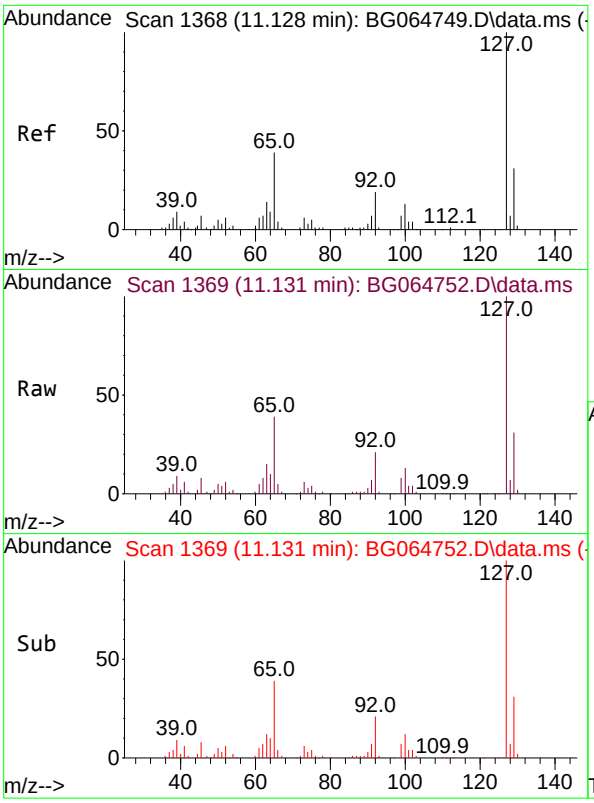


#32
Benzoic acid
Concen: 81.210 ng m
RT: 10.290 min Scan# 1226
Delta R.T. 0.043 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:122 Resp: 120088

Ion	Ratio	Lower	Upper
122	100		
105	122.6	107.6	147.6
77	99.8	82.5	122.5

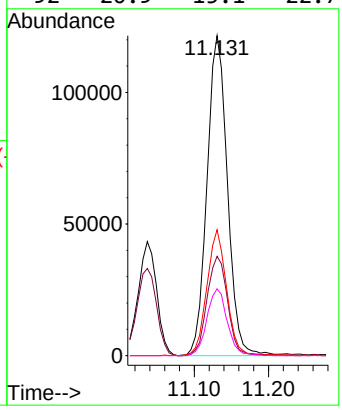




#33
4-Chloroaniline
Concen: 84.507 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:127 Resp: 23238

Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.9	37.3
65	39.3	30.9	46.3
92	20.9	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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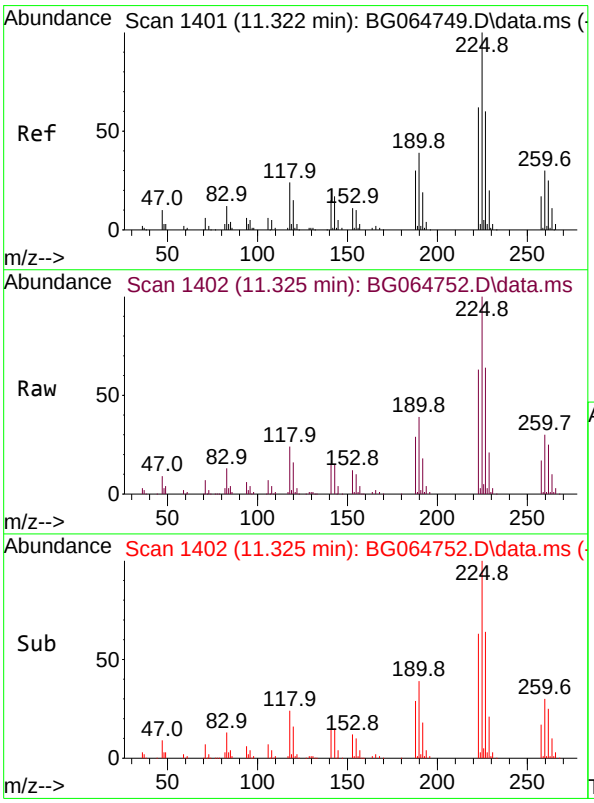
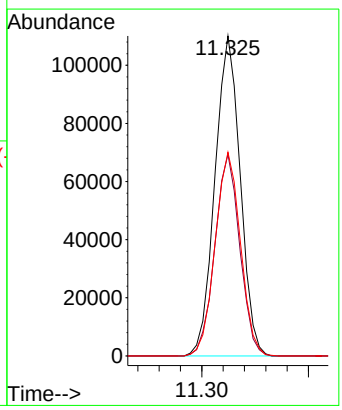
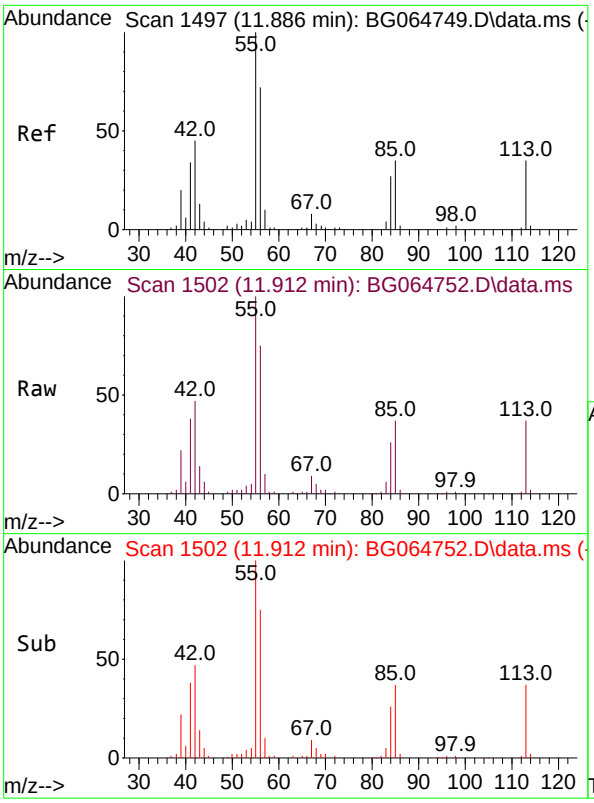


#34
Hexachlorobutadiene
Concen: 82.408 ng
RT: 11.325 min Scan# 1402
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:225 Resp: 181526

Ion	Ratio	Lower	Upper
225	100		
223	60.0	49.9	74.9
227	63.6	50.6	75.8

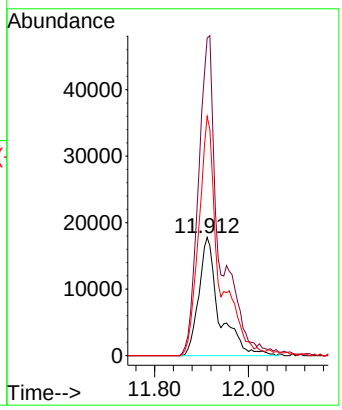




#35
Caprolactam
Concen: 84.873 ng m
RT: 11.912 min Scan# 1
Delta R.T. 0.026 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:113 Resp: 5392

Ion	Ratio	Lower	Upper
113	100		
55	268.8	263.7	303.7
56	202.5	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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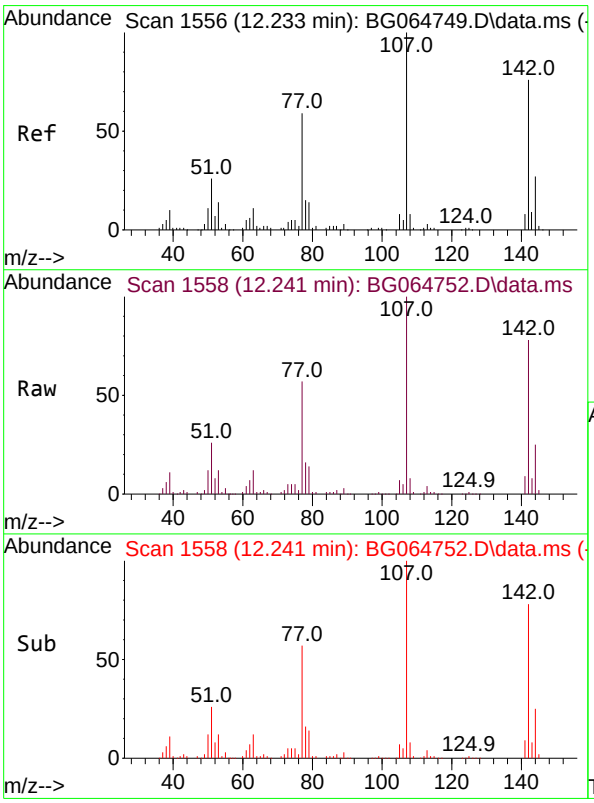
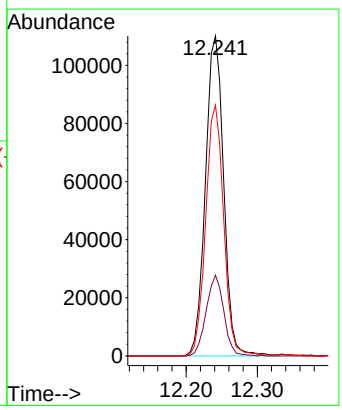
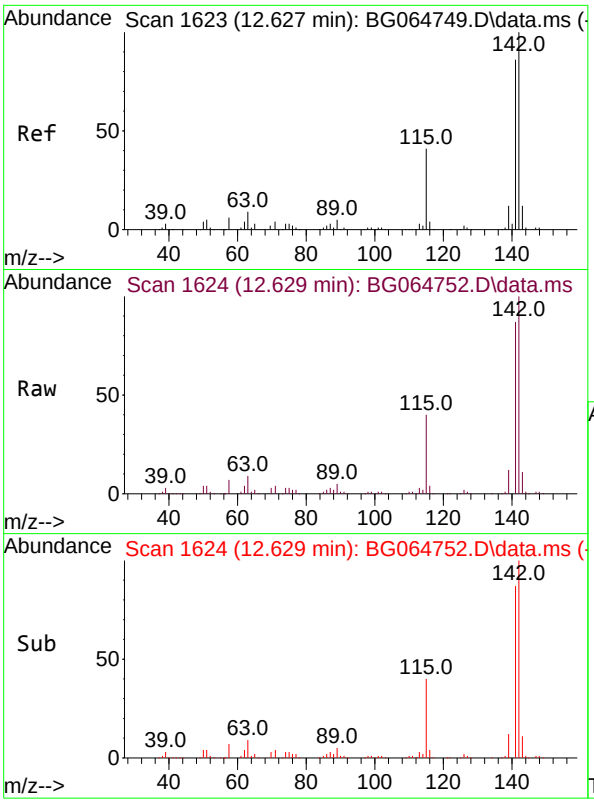


#36
4-Chloro-3-methylphenol
Concen: 82.752 ng
RT: 12.241 min Scan# 1558
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:107 Resp: 195826

Ion	Ratio	Lower	Upper
107	100		
144	25.2	21.7	32.5
142	78.3	60.8	91.2

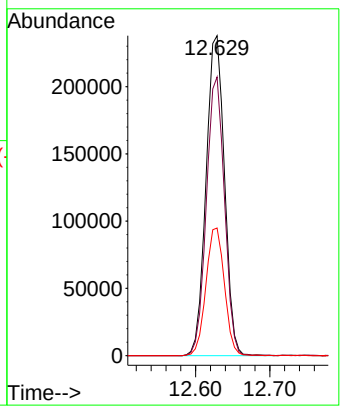




#37
2-Methylnaphthalene
Concen: 79.790 ng
RT: 12.629 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:142 Resp: 41046

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.1	103.7
115	39.9	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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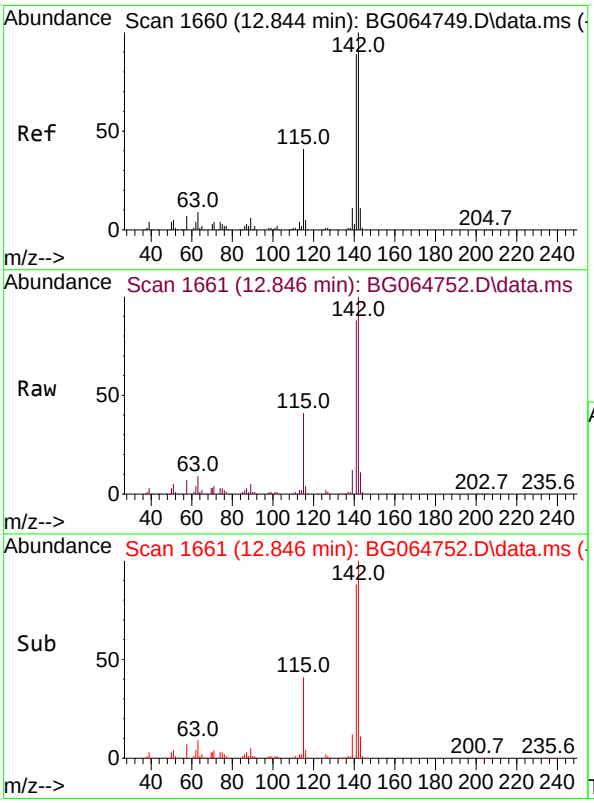
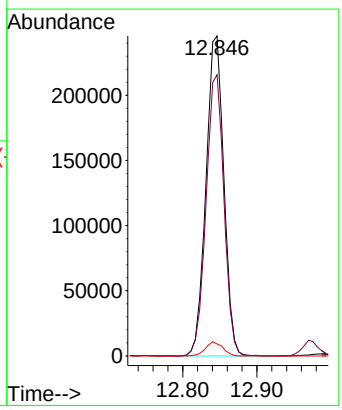
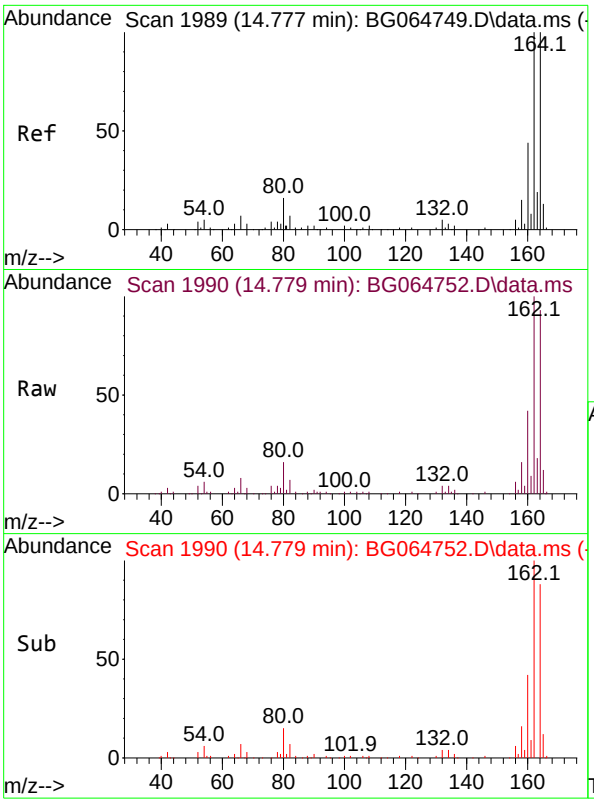


#38
1-Methylnaphthalene
Concen: 80.251 ng
RT: 12.846 min Scan# 1661
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:142 Resp: 410081

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2
116	3.7	3.7	5.5

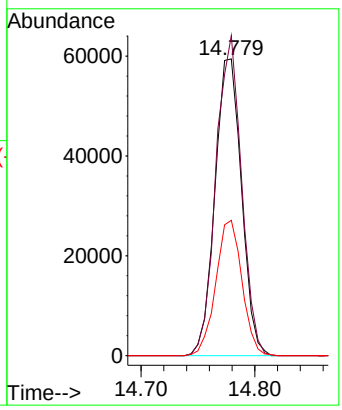




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:164 Resp: 9650

Ion	Ratio	Lower	Upper
164	100		
162	107.8	79.8	119.6
160	45.6	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
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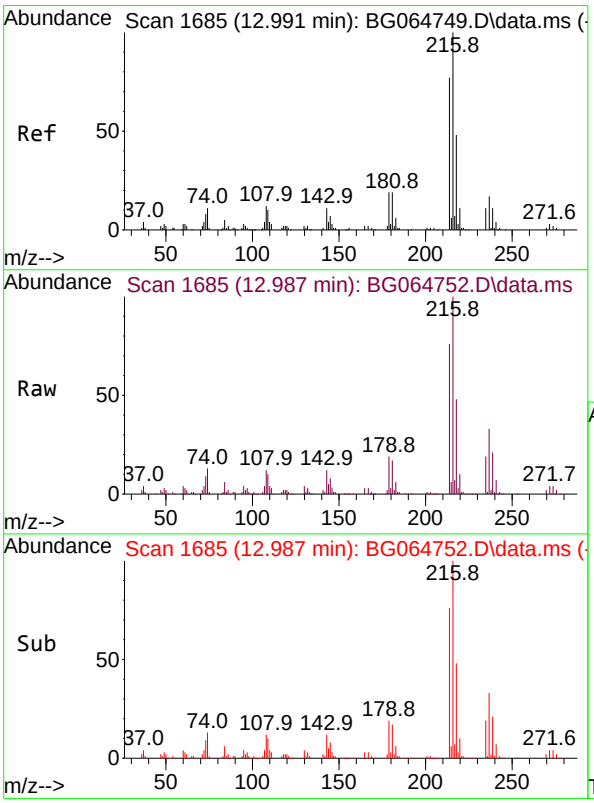
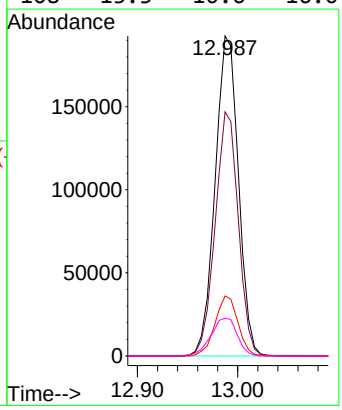
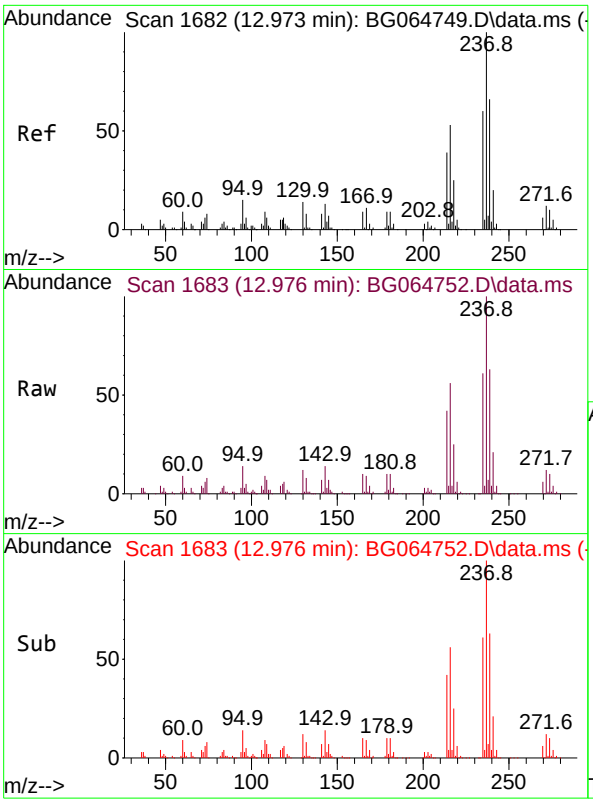


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.792 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:216 Resp: 310941

Ion	Ratio	Lower	Upper
216	100		
214	75.7	60.5	90.7
179	18.4	14.7	22.1
108	13.3	10.6	16.0

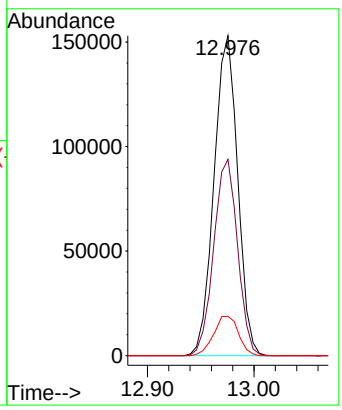




#41
Hexachlorocyclopentadiene
Concen: 87.822 ng
RT: 12.976 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:237 Resp: 23641

Ion	Ratio	Lower	Upper
237	100		
235	61.3	40.2	80.2
272	12.3	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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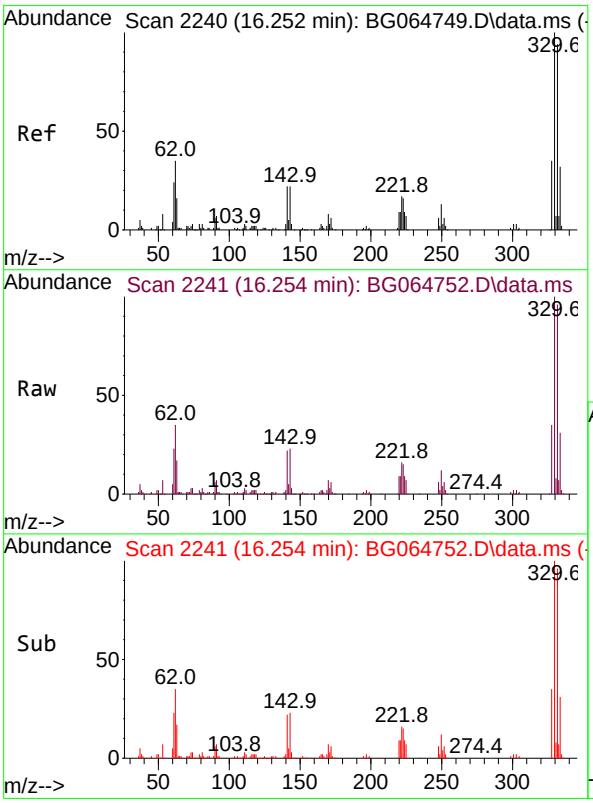
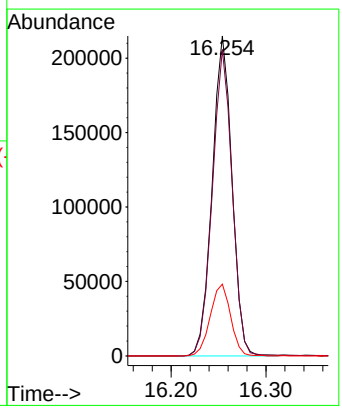
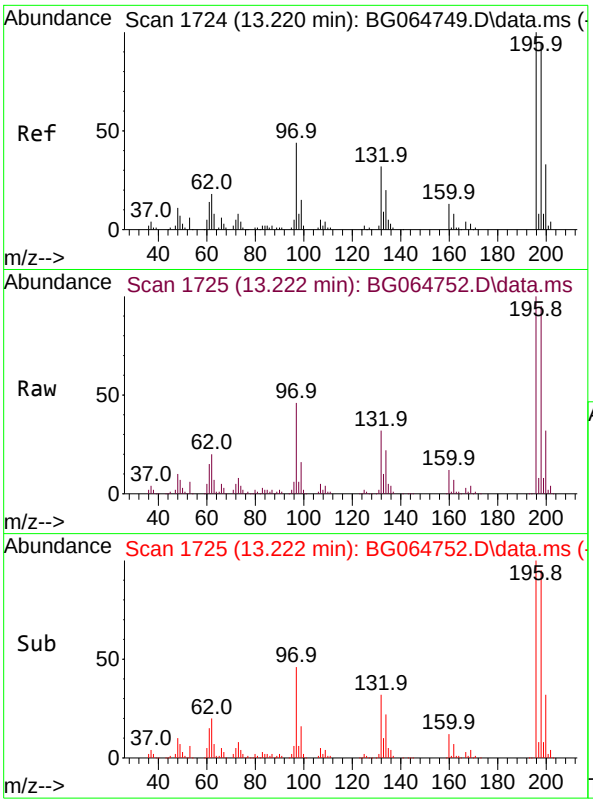


#42
2,4,6-Tribromophenol
Concen: 165.530 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:330 Resp: 311552

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	23.0	18.2	27.2

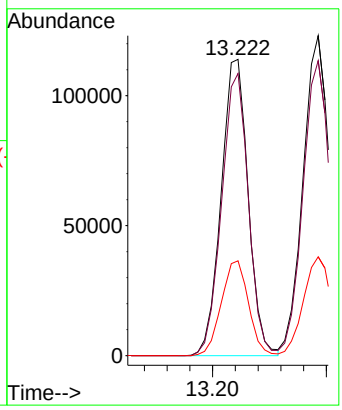




#43
2,4,6-Trichlorophenol
Concen: 85.368 ng
RT: 13.222 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:196 Resp: 18817

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.3	112.9
200	32.0	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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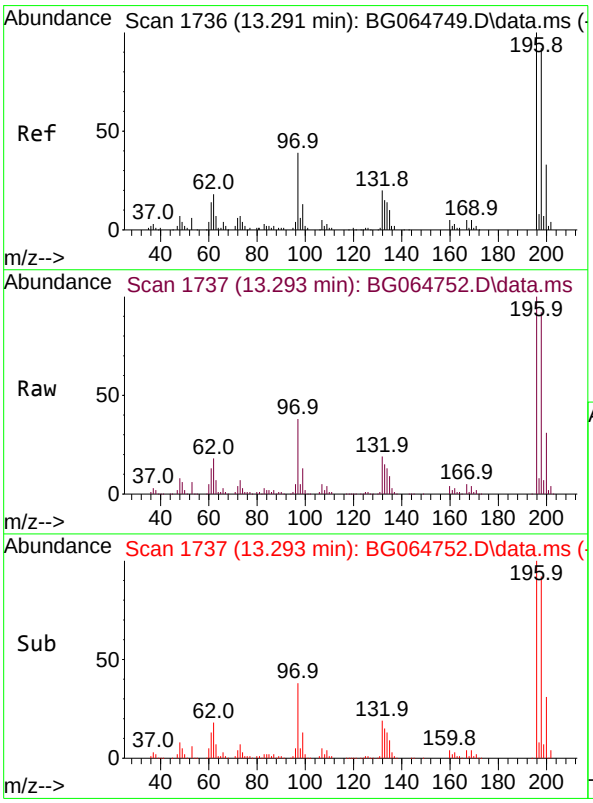
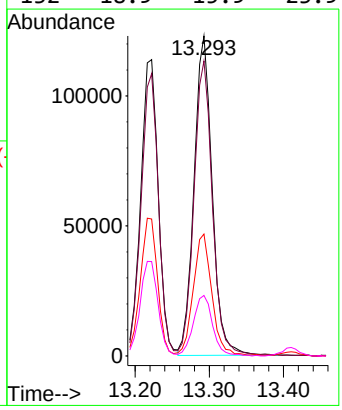
Supervised By :Sohil Jodhani 11/14/2025

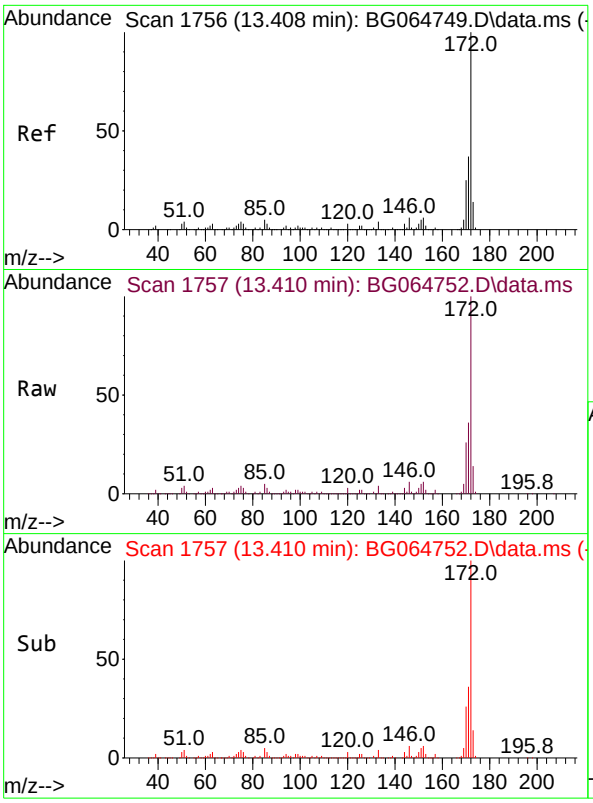


#44
2,4,5-Trichlorophenol
Concen: 84.775 ng
RT: 13.293 min Scan# 1737
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:196 Resp: 209584

Ion	Ratio	Lower	Upper
196	100		
198	92.2	73.2	109.8
97	38.1	31.4	47.0
132	18.9	15.9	23.9

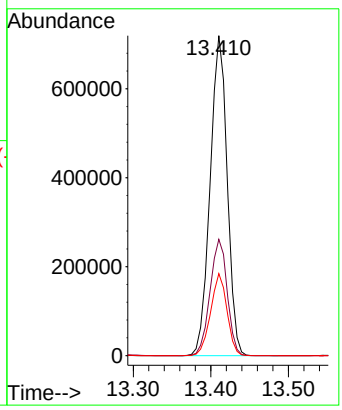




#45
2-Fluorobiphenyl
Concen: 158.776 ng
RT: 13.410 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:172 Resp: 109813

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	25.6	19.8	29.6



Instrument :
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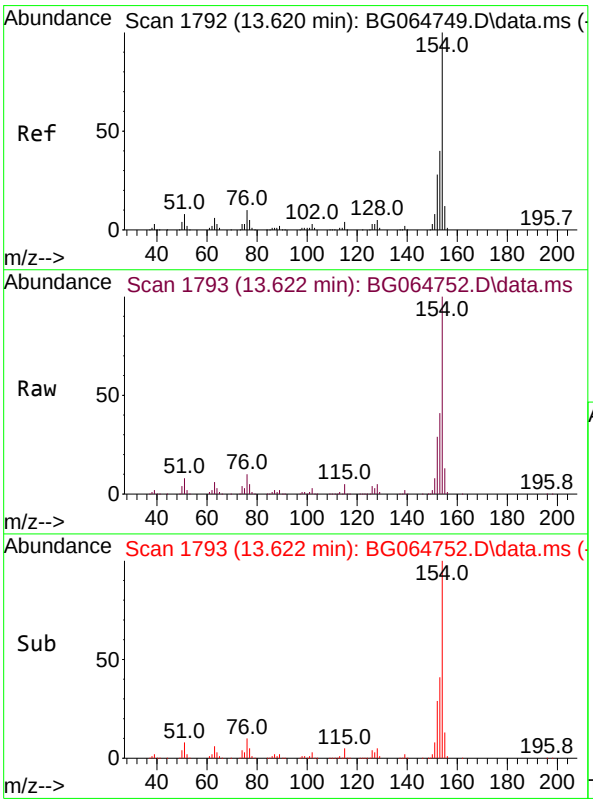
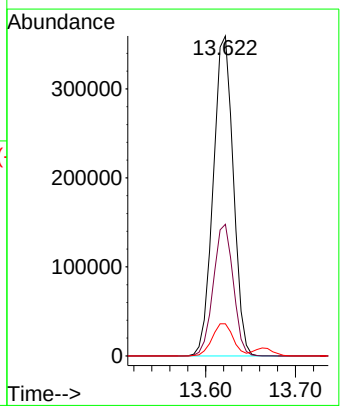
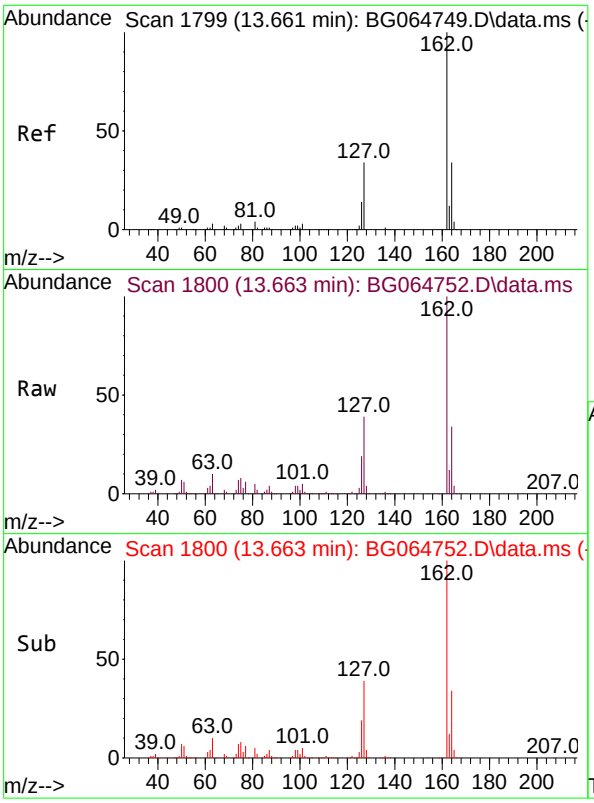


#46
1,1'-Biphenyl
Concen: 80.715 ng
RT: 13.622 min Scan# 1793
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:154 Resp: 559459

Ion	Ratio	Lower	Upper
154	100		
153	41.1	19.8	59.8
76	10.0	0.0	30.0

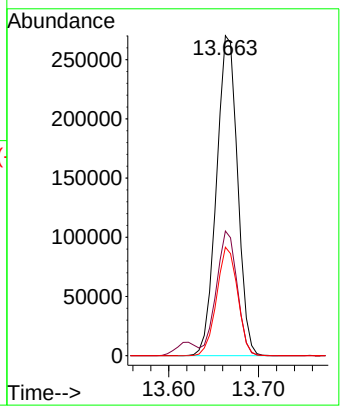




#47
2-Chloronaphthalene
Concen: 81.020 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:162 Resp: 44242

Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.3	45.5
164	33.9	26.8	40.2



Instrument :
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ClientSampleId :
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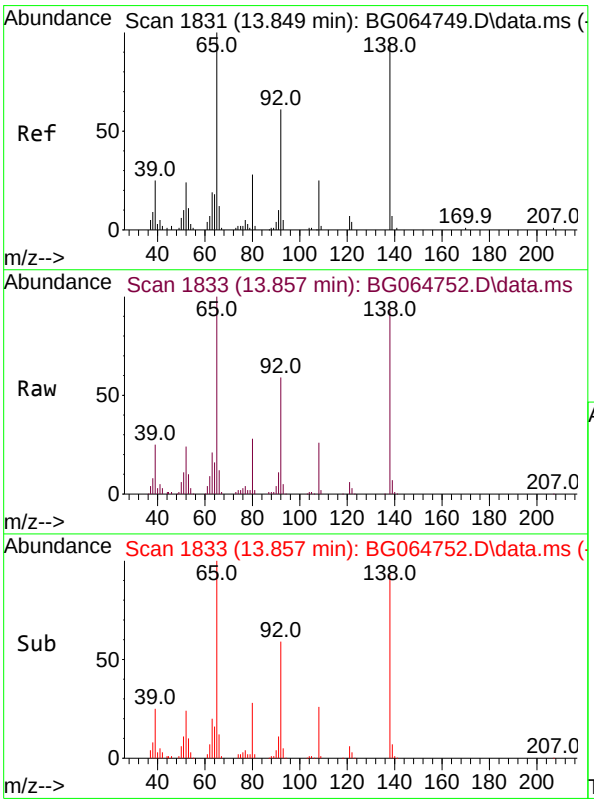
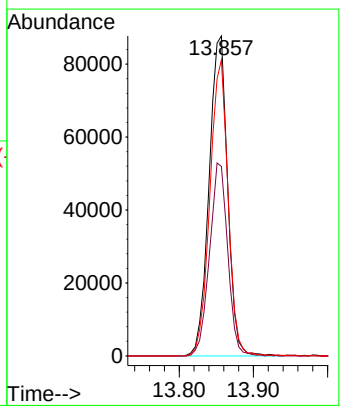
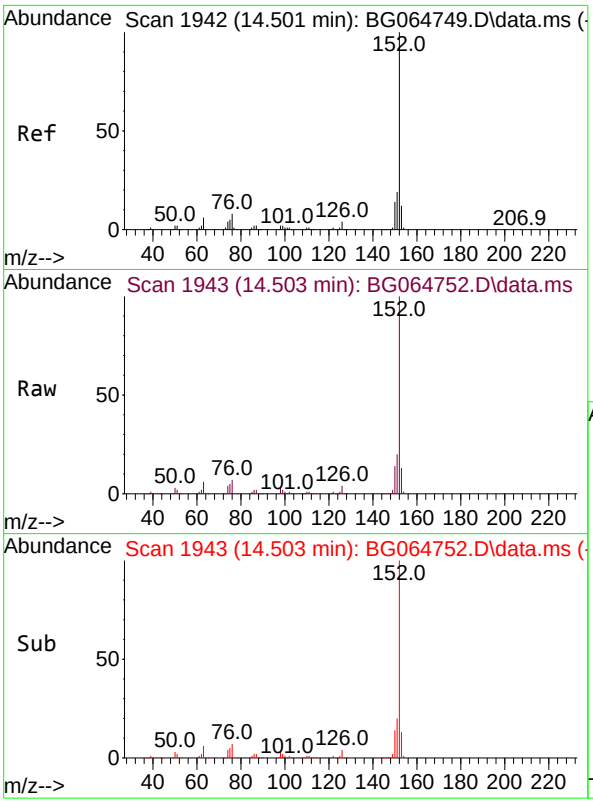


#48
2-Nitroaniline
Concen: 86.588 ng
RT: 13.857 min Scan# 1833
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 65 Resp: 152081

Ion	Ratio	Lower	Upper
65	100		
92	59.2	48.6	73.0
138	92.5	76.4	114.6

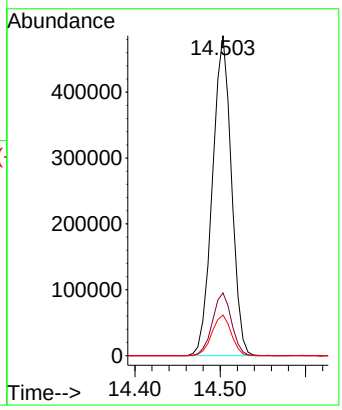




#49
Acenaphthylene
Concen: 80.362 ng
RT: 14.503 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:152 Resp: 74970

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.0	22.4
153	12.7	9.9	14.9



Instrument :
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ClientSampleId :
SSTDICC080

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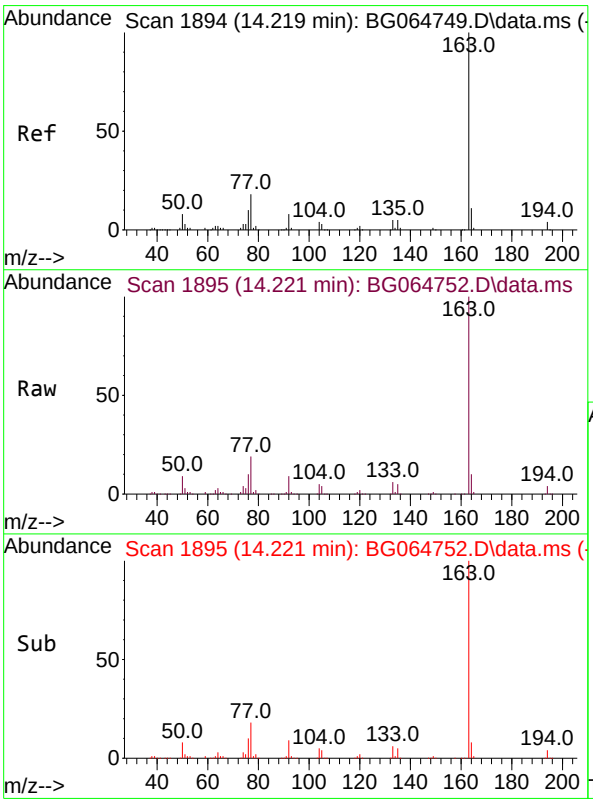
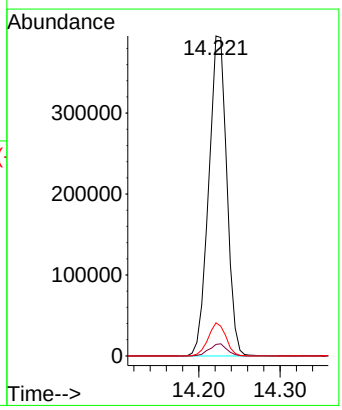
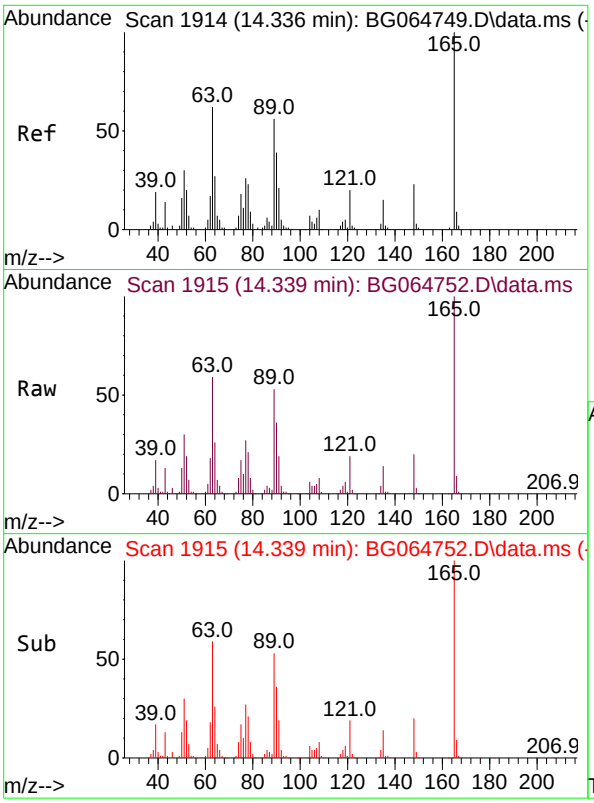


#50
Dimethylphthalate
Concen: 80.043 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:163 Resp: 610187

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.3	8.6	12.8

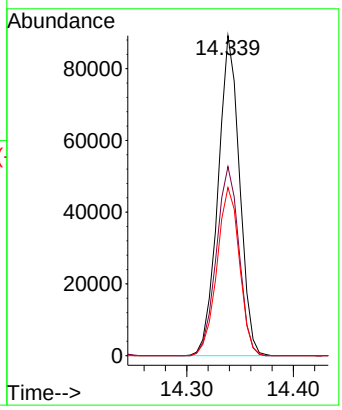




#51
2,6-Dinitrotoluene
Concen: 85.533 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:165 Resp: 12546

Ion	Ratio	Lower	Upper
165	100		
63	59.1	49.8	74.8
89	52.5	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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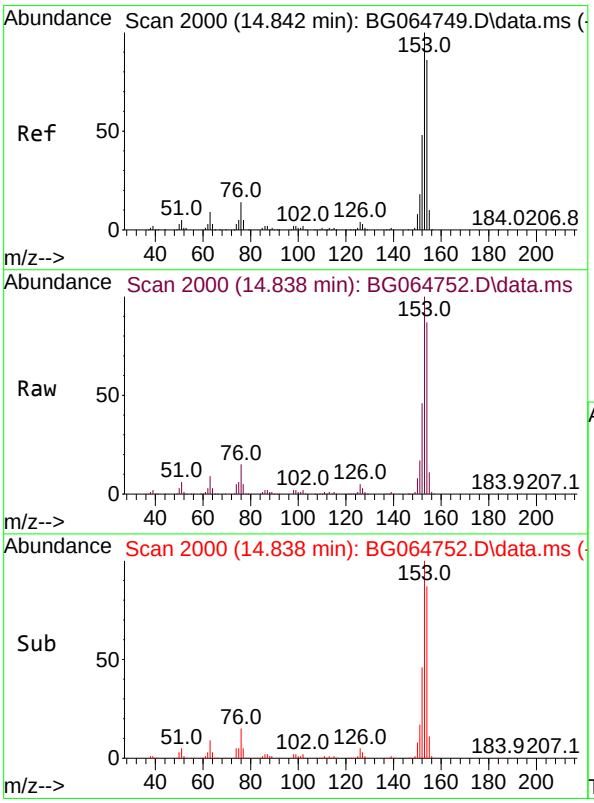
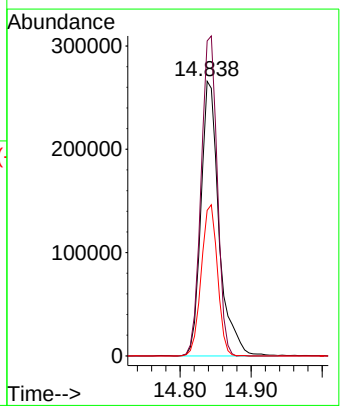
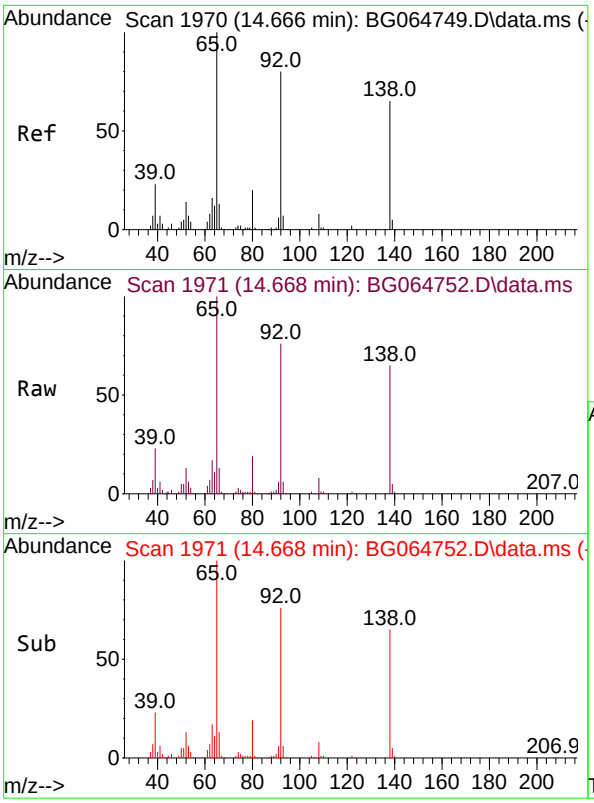


#52
Acenaphthene
Concen: 83.664 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:154 Resp: 467978

Ion	Ratio	Lower	Upper
154	100		
153	114.7	93.0	139.4
152	53.0	44.4	66.6





#53
3-Nitroaniline
Concen: 86.095 ng
RT: 14.668 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:138 Resp: 12464

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.5	14.3
92	117.6	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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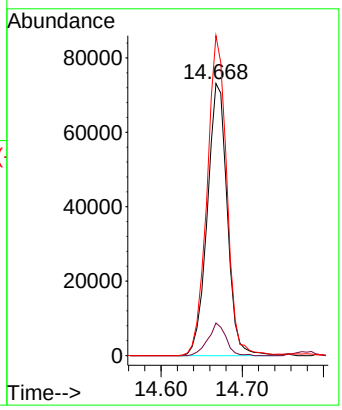
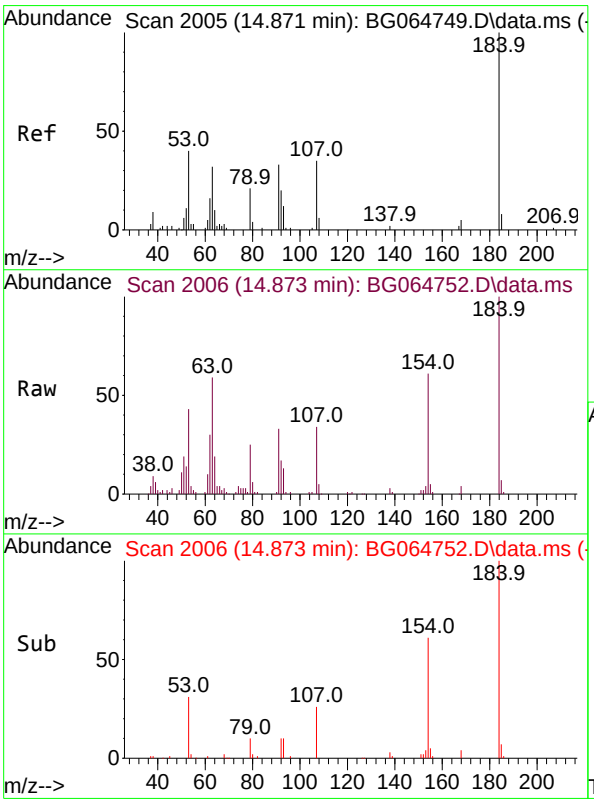
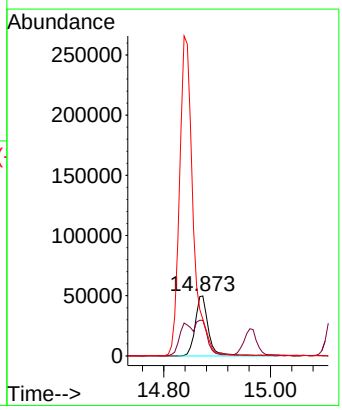


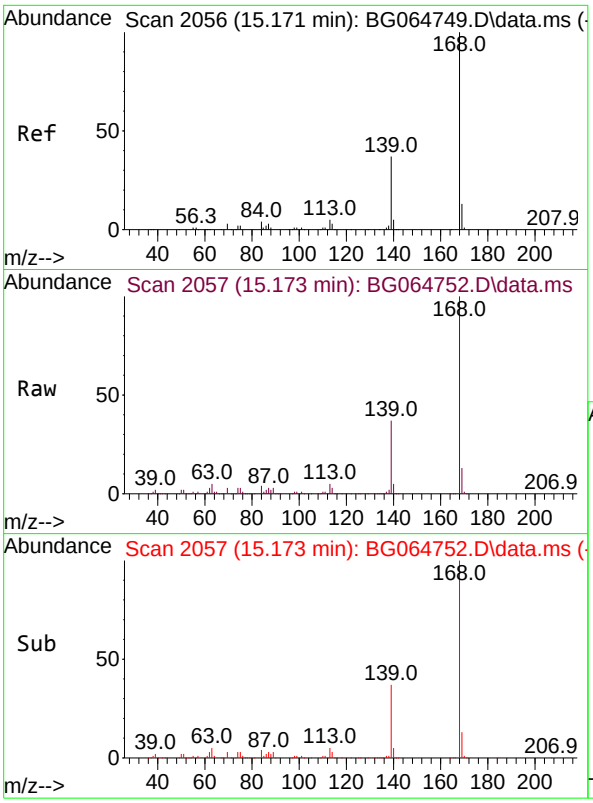


#54
2,4-Dinitrophenol
Concen: 84.450 ng
RT: 14.873 min Scan# 2006
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:184 Resp: 85396

Ion	Ratio	Lower	Upper
184	100		
63	59.4	45.8	68.6
154	61.3	52.6	78.8

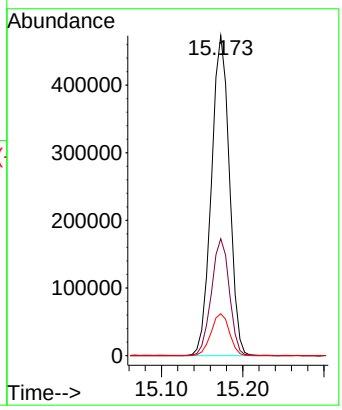




#55
Dibenzofuran
Concen: 78.683 ng
RT: 15.173 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:168 Resp: 72762

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.5	44.3
169	13.1	10.4	15.6



Instrument :
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ClientSampleId :
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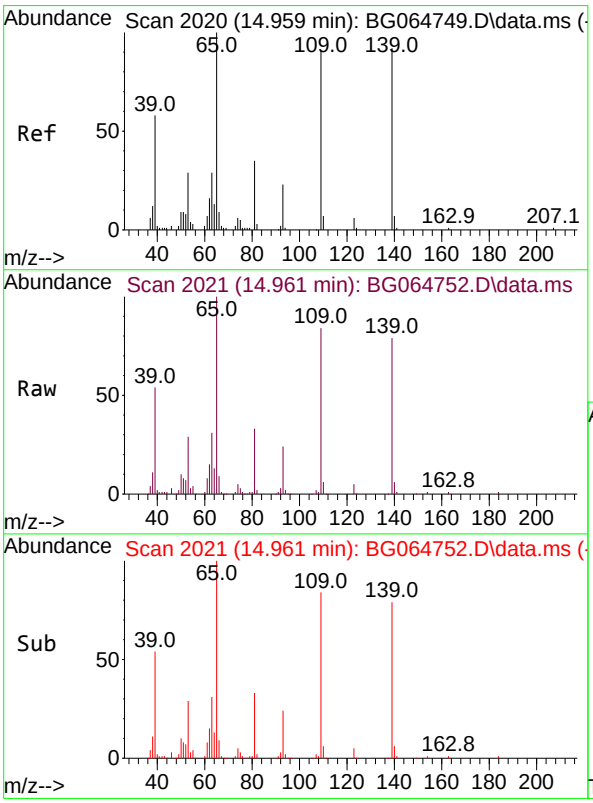
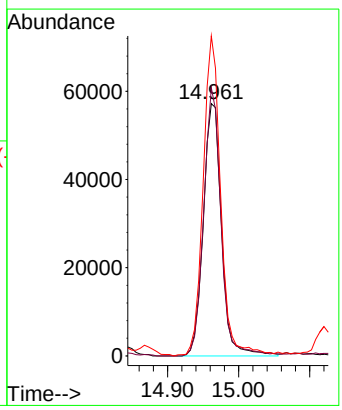
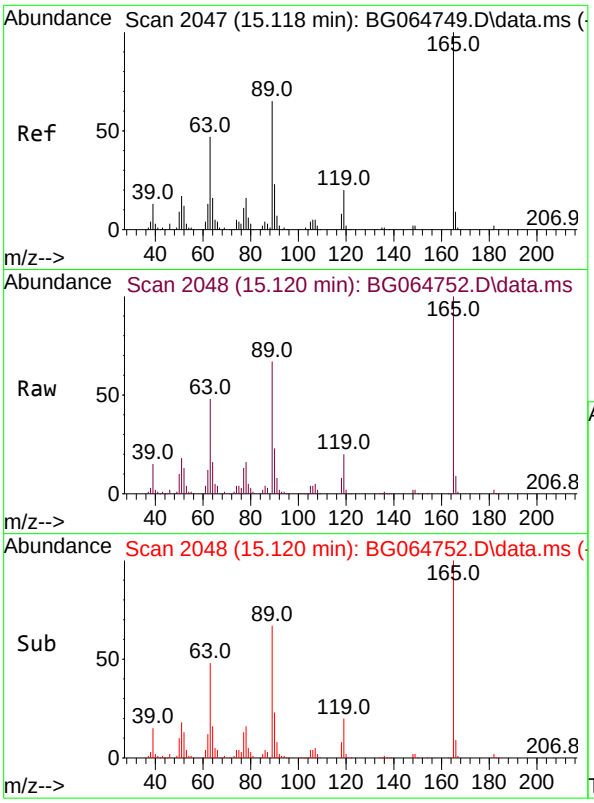


#56
4-Nitrophenol
Concen: 88.727 ng
RT: 14.961 min Scan# 2021
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:139 Resp: 101920

Ion	Ratio	Lower	Upper
139	100		
109	106.3	79.7	119.7
65	126.9	89.9	129.9

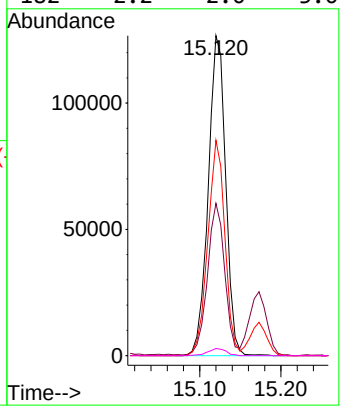




#57
2,4-Dinitrotoluene
Concen: 85.865 ng
RT: 15.120 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:165 Resp: 18883

Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.8	56.6
89	67.3	51.6	77.4
182	2.2	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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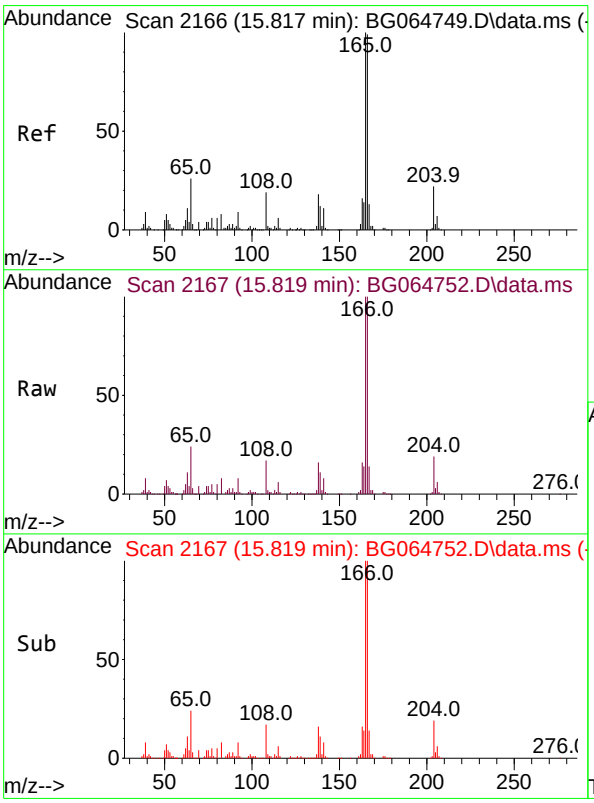
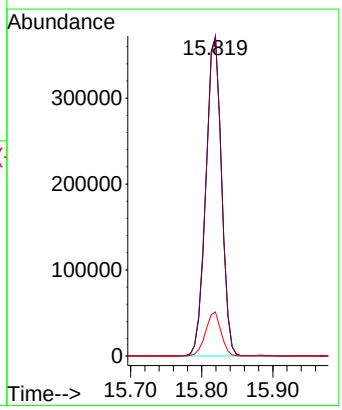
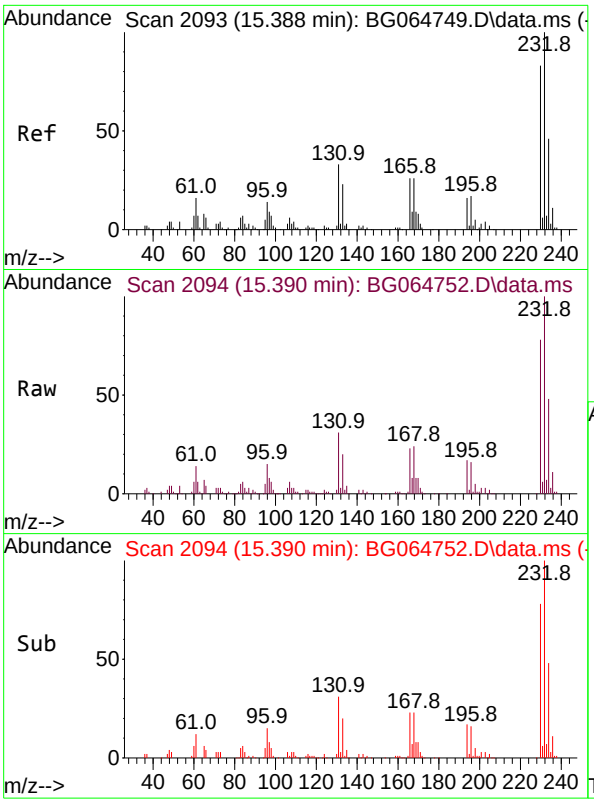


#58
Fluorene
Concen: 78.187 ng
RT: 15.819 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:166 Resp: 567083

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.5	120.7
167	13.8	10.3	15.5

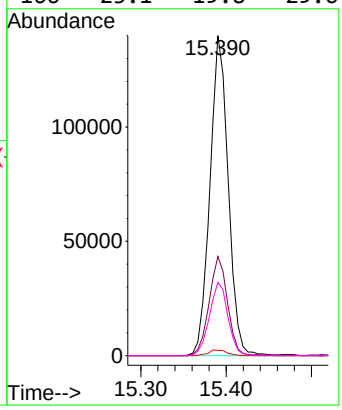




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.265 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:232 Resp: 20798

Ion	Ratio	Lower	Upper
232	100		
131	31.1	26.0	39.0
130	1.8	1.6	2.4
166	23.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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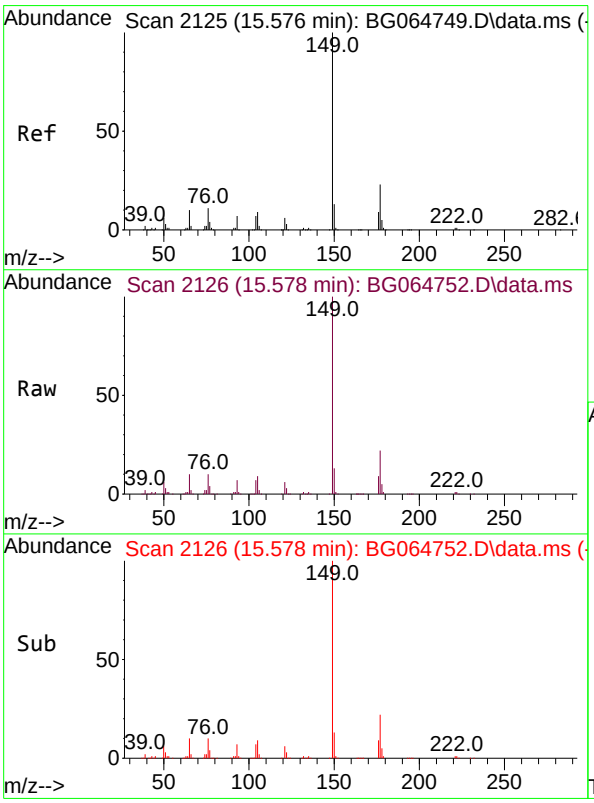
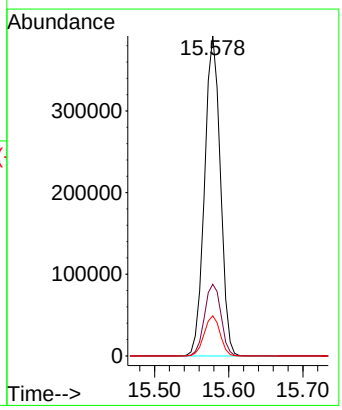
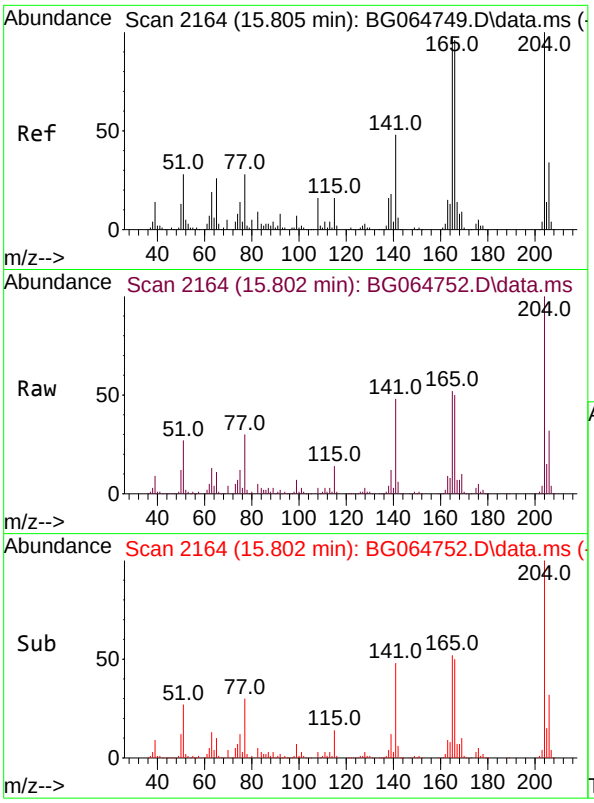


#60
Diethylphthalate
Concen: 79.342 ng
RT: 15.578 min Scan# 2126
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 579413

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.5	10.1	15.1

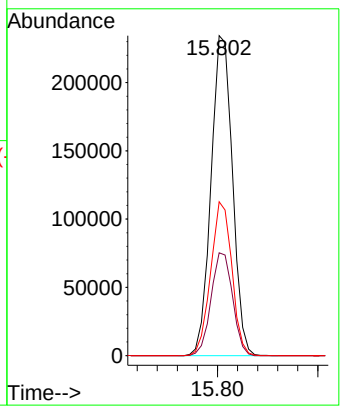




#61
4-Chlorophenyl-phenylether
Concen: 79.684 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:204 Resp: 346839

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.9	40.3
141	48.1	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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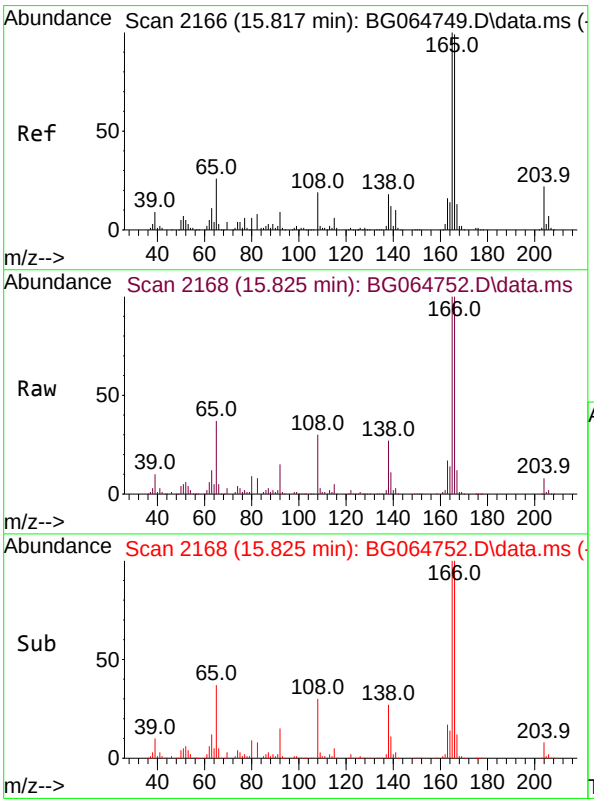
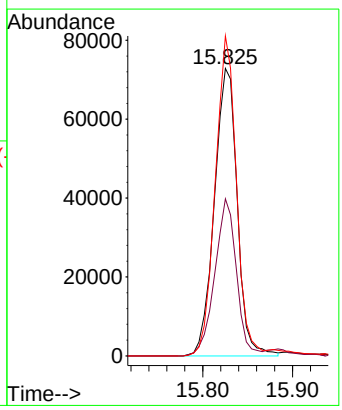
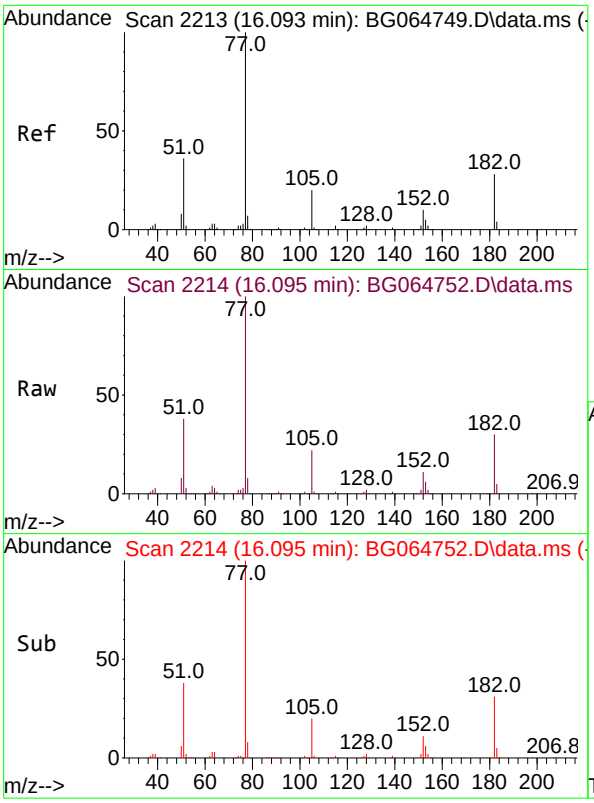


#62
4-Nitroaniline
Concen: 86.012 ng
RT: 15.825 min Scan# 2168
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:138 Resp: 129007

Ion	Ratio	Lower	Upper
138	100		
92	54.6	30.7	70.7
108	111.3	85.7	125.7

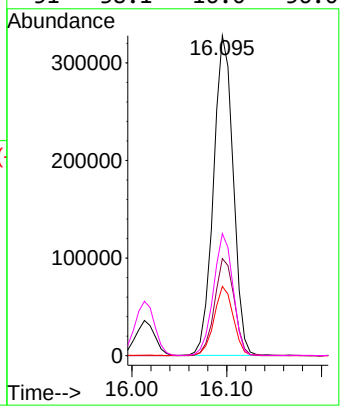




#63
Azobenzene
Concen: 77.985 ng
RT: 16.095 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion: 77 Resp: 47369

Ion	Ratio	Lower	Upper
77	100		
182	30.3	8.1	48.1
105	21.6	0.1	40.1
51	38.1	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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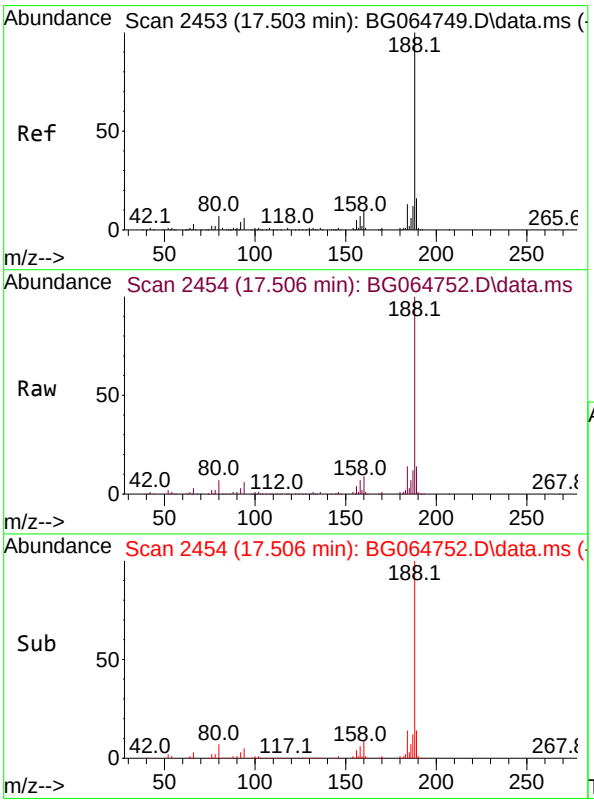
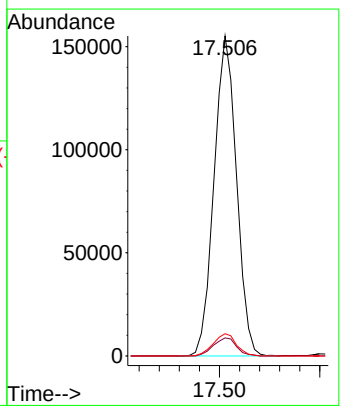
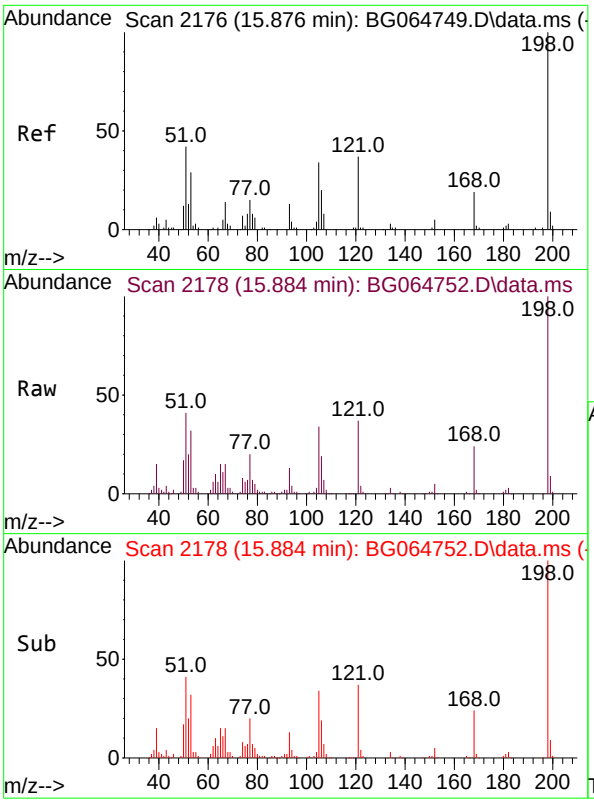


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:188 Resp: 241350

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.7	7.1
80	6.9	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 94.071 ng
RT: 15.884 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:198 Resp: 12605

Ion	Ratio	Lower	Upper
198	100		
51	40.7	25.2	65.2
105	33.5	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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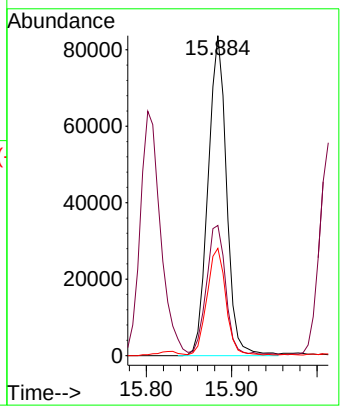
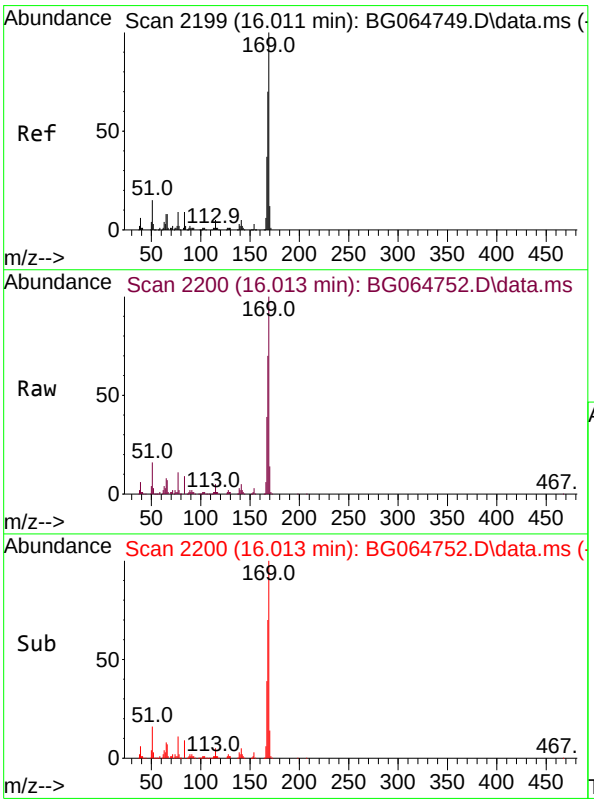
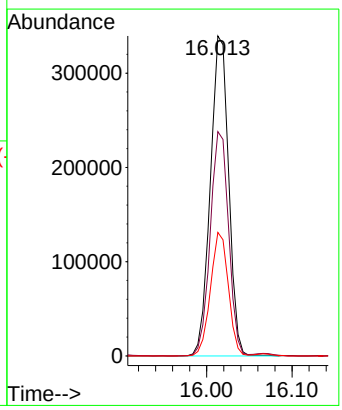


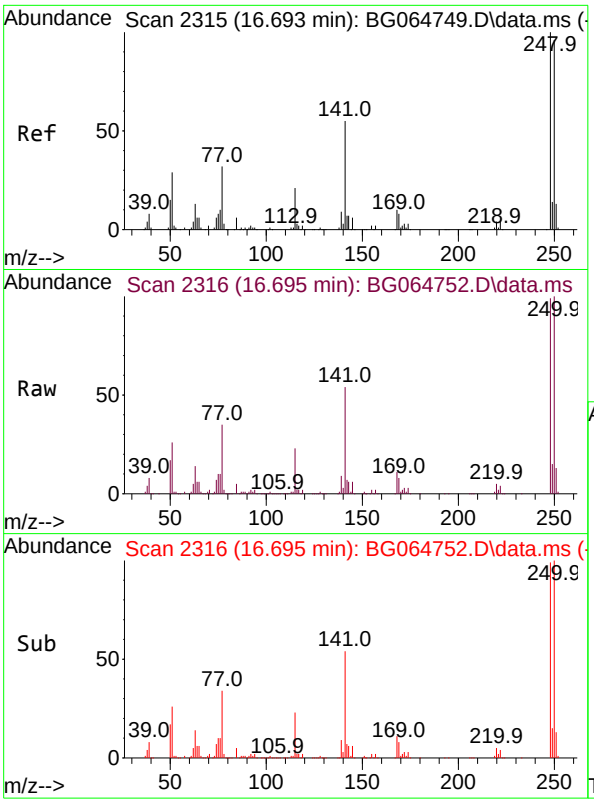


#66
n-Nitrosodiphenylamine
Concen: 80.031 ng
RT: 16.013 min Scan# 2200
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:169 Resp: 505935

Ion	Ratio	Lower	Upper
169	100		
168	70.1	55.9	83.9
167	38.6	29.8	44.6

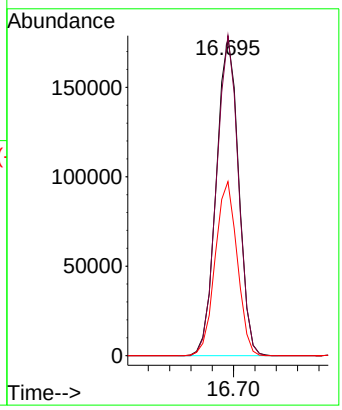




#67
4-Bromophenyl-phenylether
Concen: 81.469 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:248 Resp: 25821

Ion	Ratio	Lower	Upper
248	100		
250	100.5	77.0	115.6
141	54.6	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
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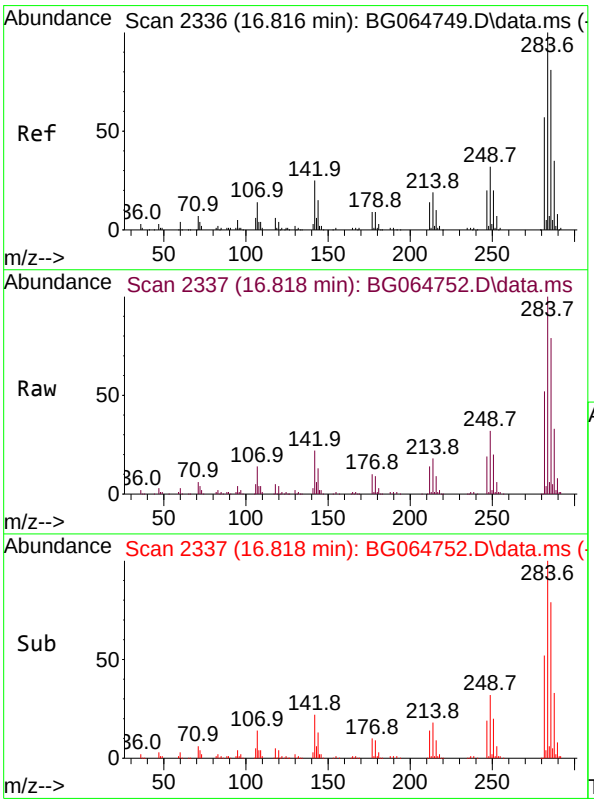
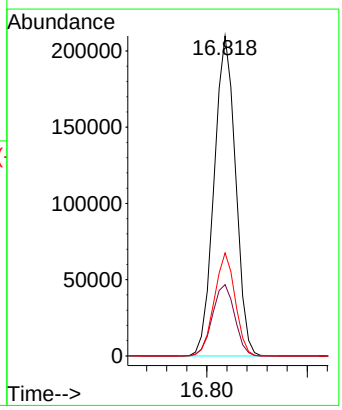
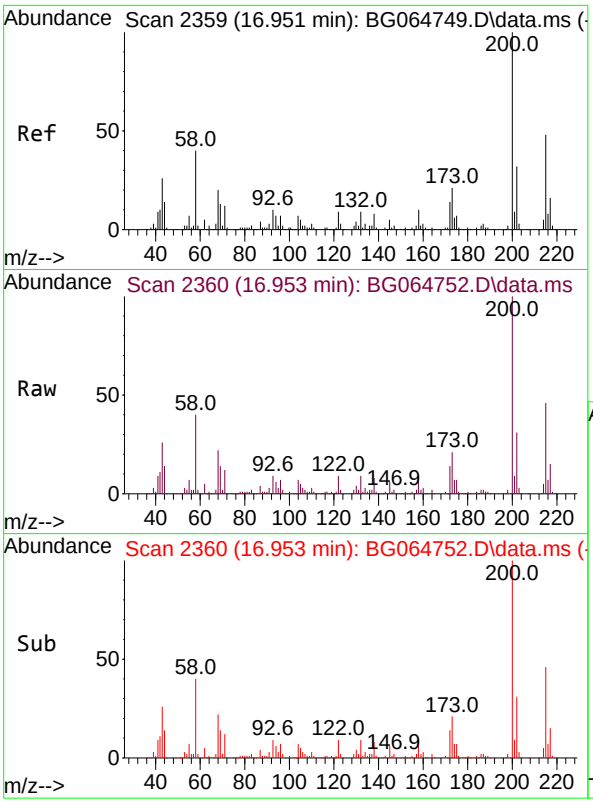


#68
Hexachlorobenzene
Concen: 81.224 ng
RT: 16.818 min Scan# 2337
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:284 Resp: 311899

Ion	Ratio	Lower	Upper
284	100		
142	22.3	19.7	29.5
249	32.2	28.1	42.1

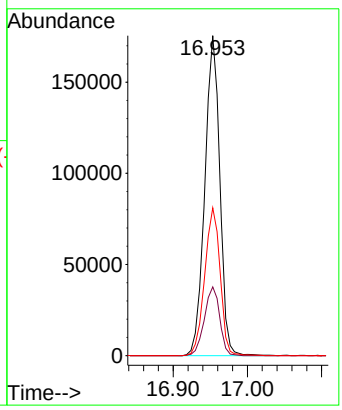




#69
Atrazine
Concen: 80.938 ng
RT: 16.953 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:200 Resp: 24669

Ion	Ratio	Lower	Upper
200	100		
173	21.5	0.9	40.9
215	46.2	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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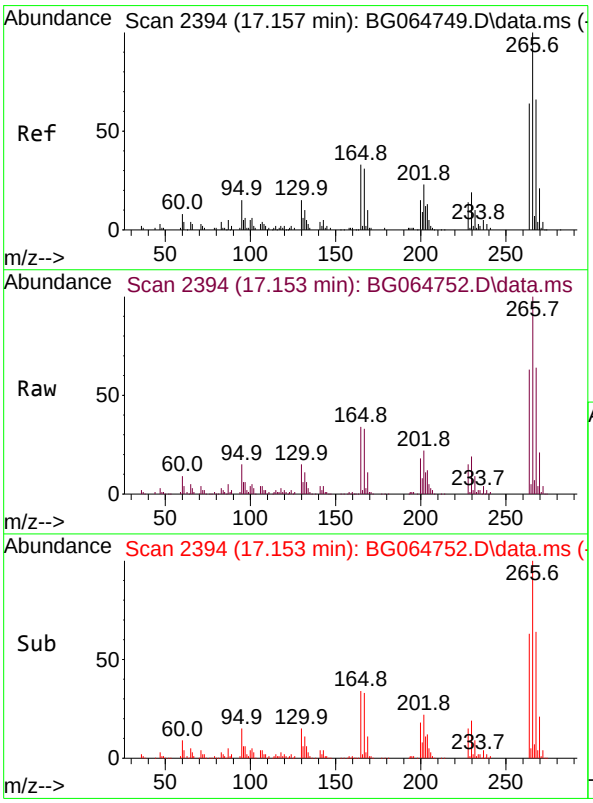
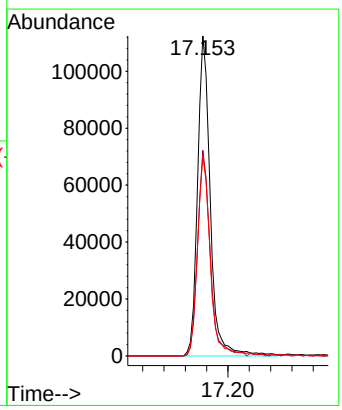
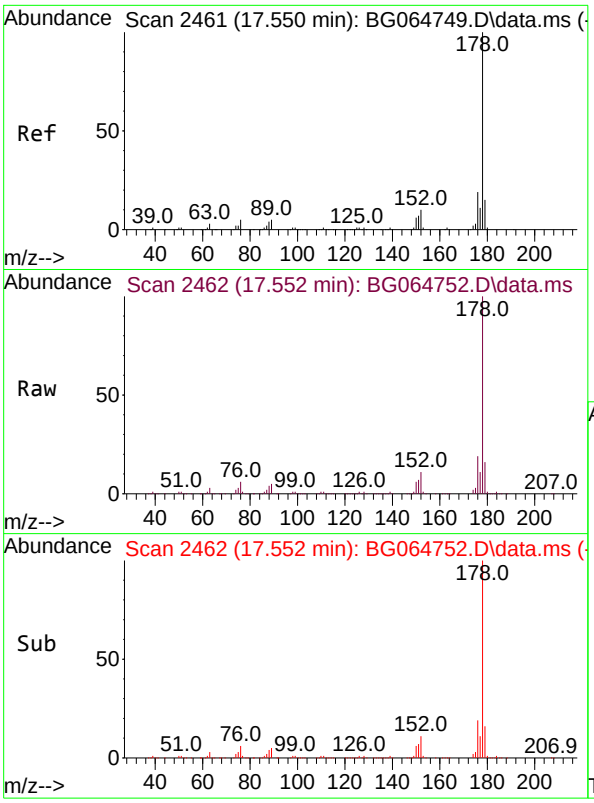


#70
Pentachlorophenol
Concen: 81.697 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:266 Resp: 185967

Ion	Ratio	Lower	Upper
266	100		
268	68.5	56.1	84.1
264	67.2	51.2	76.8

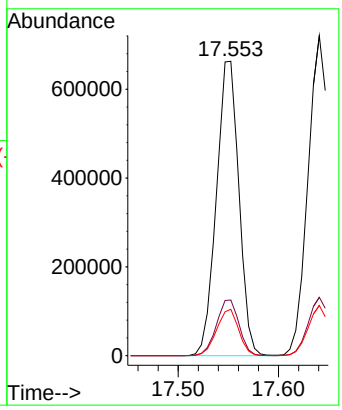




#71
Phenanthrene
Concen: 78.503 ng
RT: 17.552 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:178 Resp: 103663

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.7	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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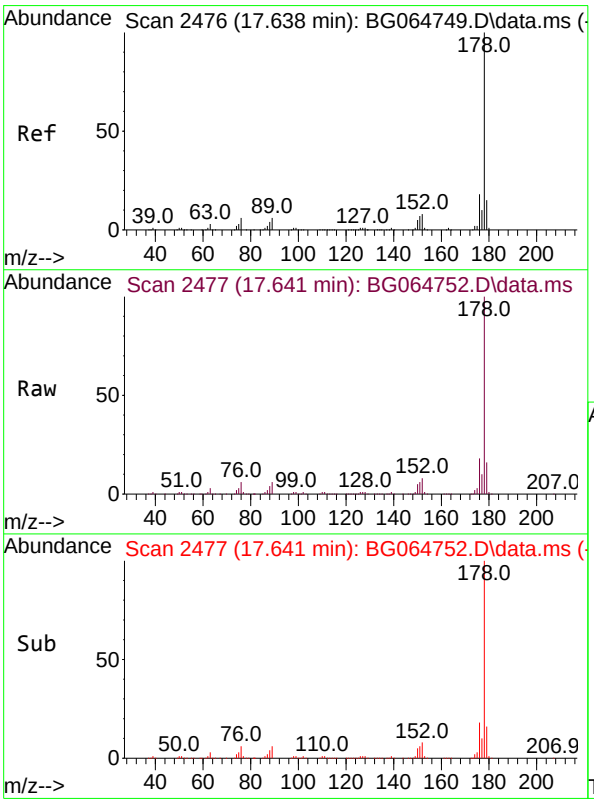
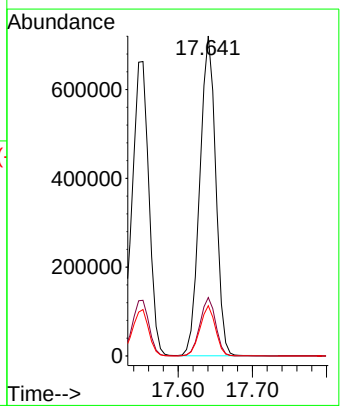
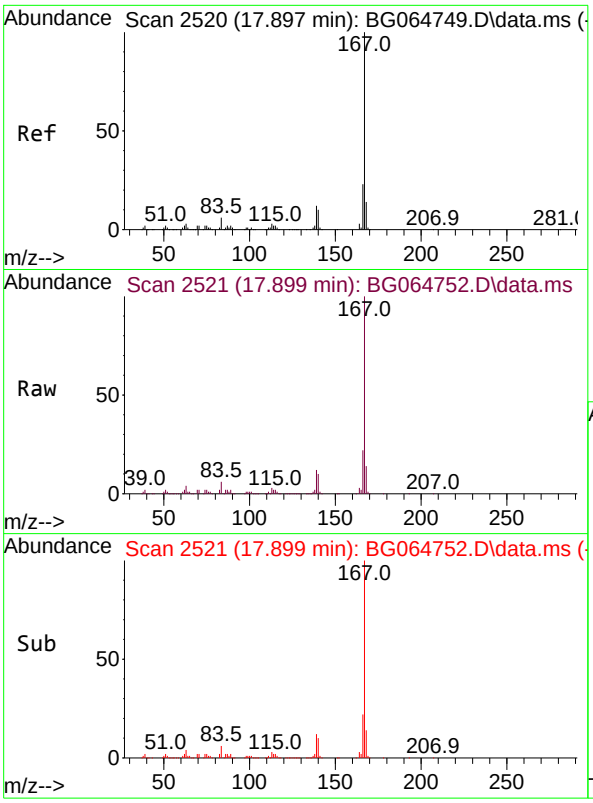


#72
Anthracene
Concen: 79.854 ng
RT: 17.641 min Scan# 2477
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:178 Resp: 1075224

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.7	12.2	18.4

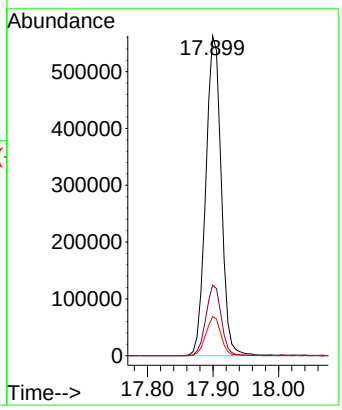




#73
Carbazole
Concen: 79.248 ng
RT: 17.899 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:167 Resp: 91732

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.2	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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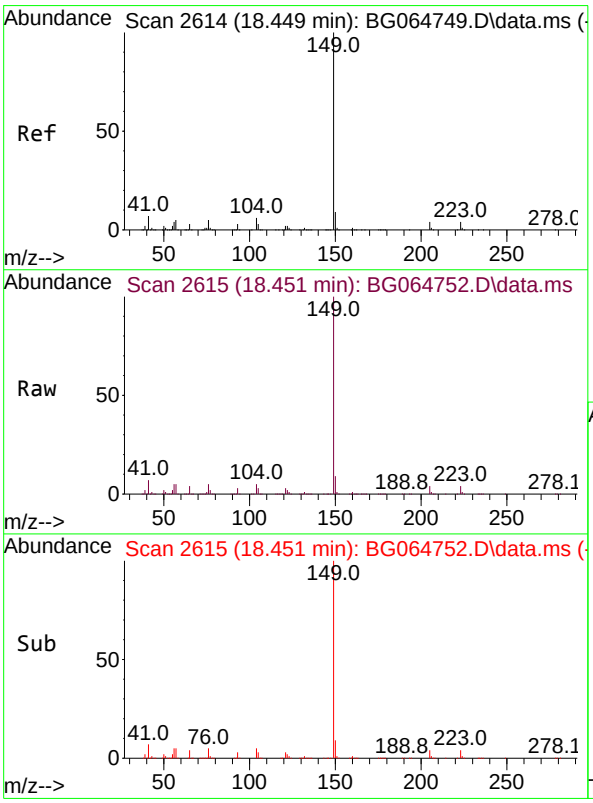
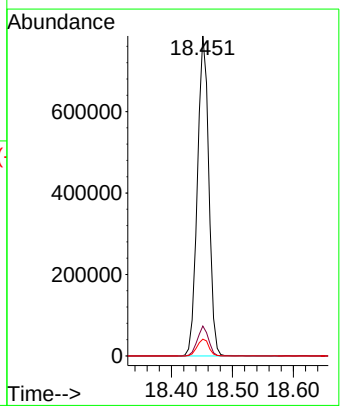
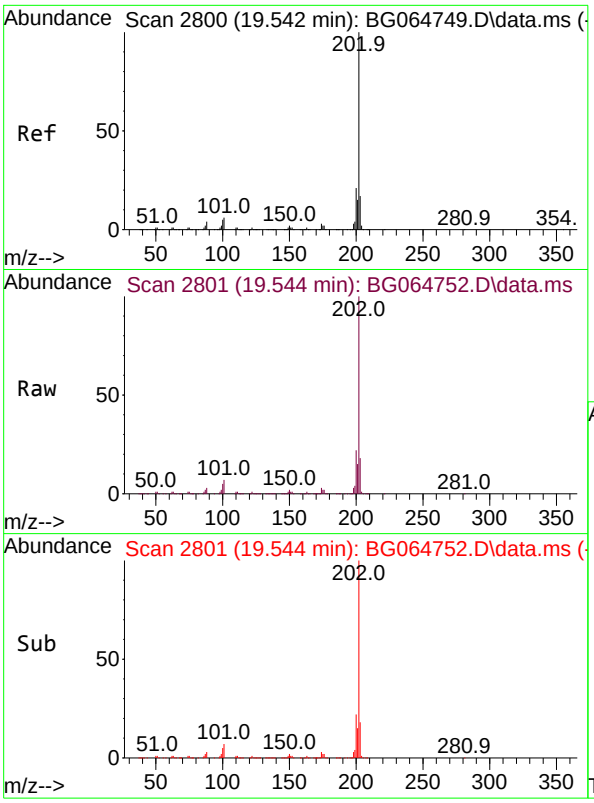


#74
Di-n-butylphthalate
Concen: 79.189 ng
RT: 18.451 min Scan# 2615
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 1022641

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.2	4.4	6.6





#75
Fluoranthene
Concen: 77.406 ng
RT: 19.544 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:202 Resp: 139773

Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	26.4
203	17.8	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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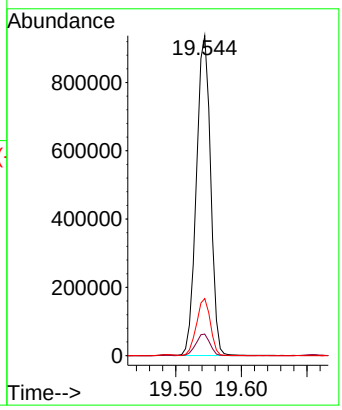
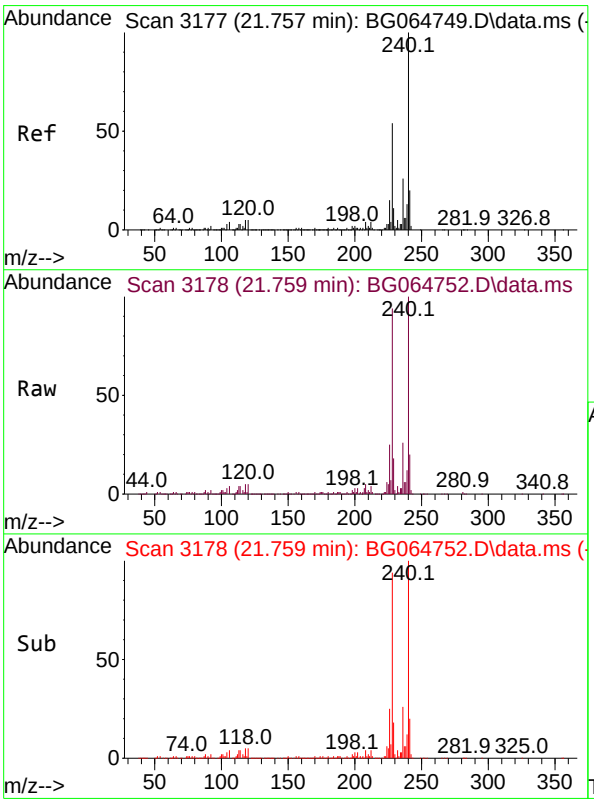
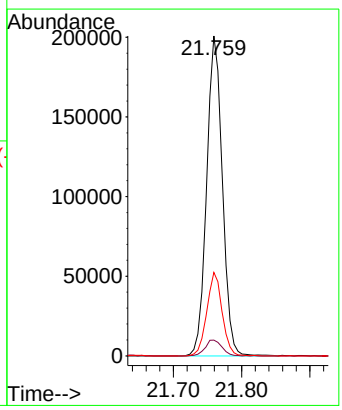


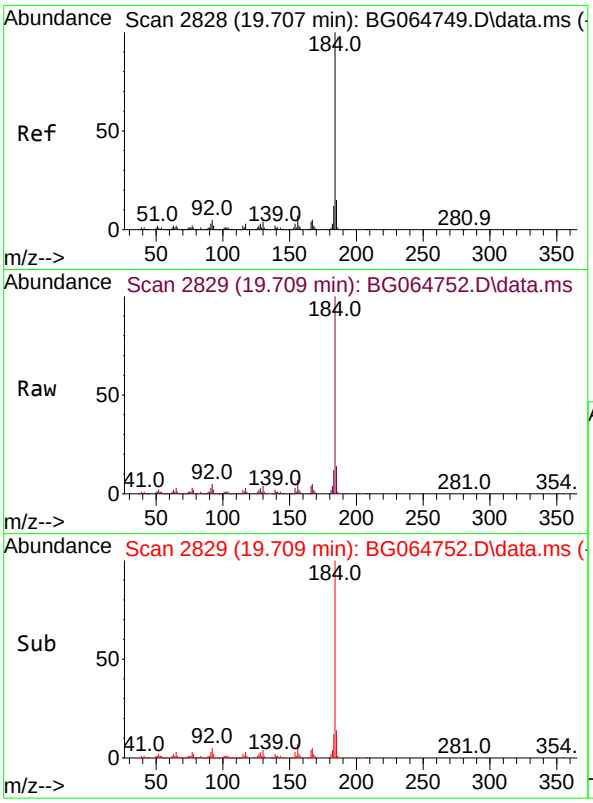


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.759 min Scan# 3178
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:240 Resp: 320922

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.2	6.4
236	26.1	20.8	31.2

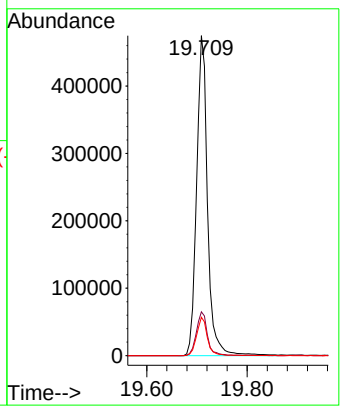




#77
Benzidine
Concen: 74.419 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:184 Resp: 715252

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.8	17.6
183	12.0	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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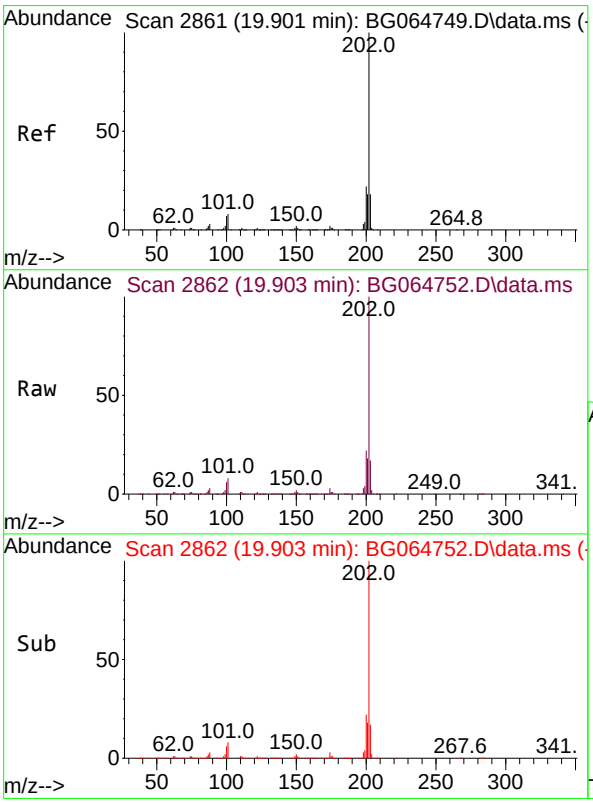
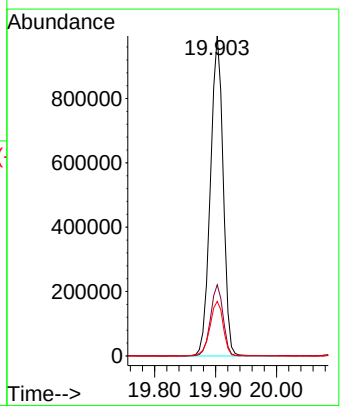
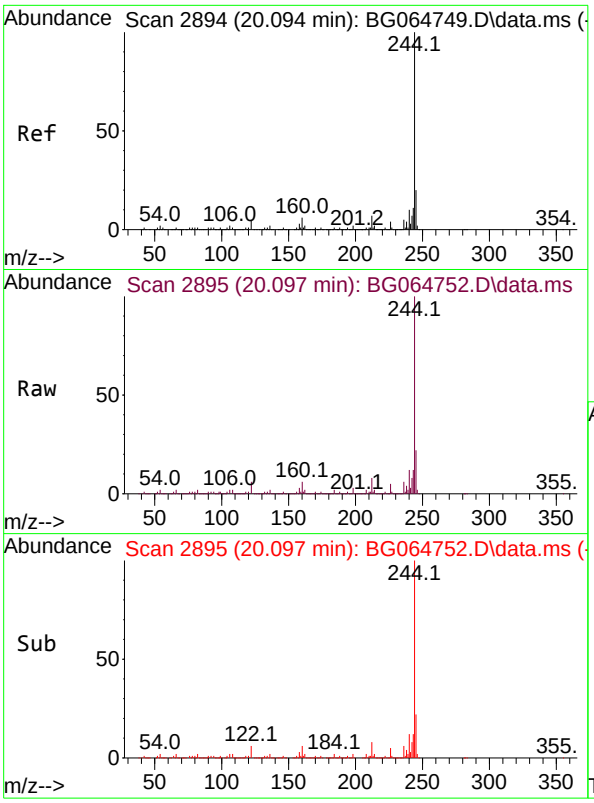


#78
Pyrene
Concen: 80.273 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:202 Resp: 1443820

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.9	26.9
203	17.0	14.0	21.0

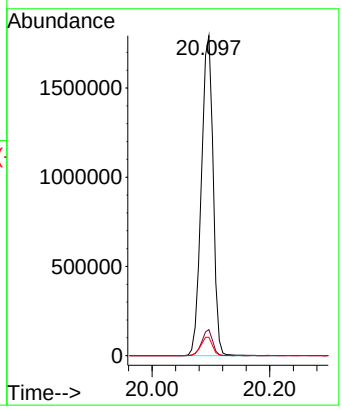




#79
Terphenyl-d14
Concen: 152.157 ng
RT: 20.097 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:244 Resp: 248237

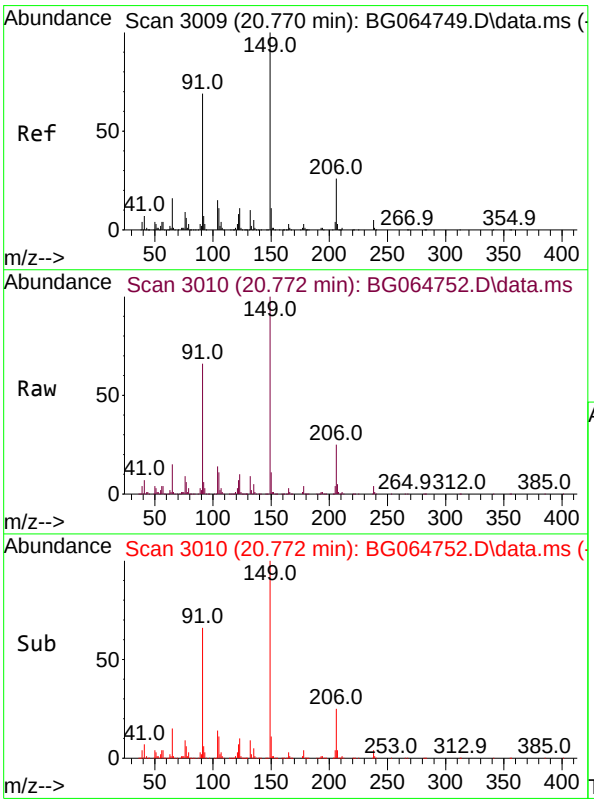
Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	5.7	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

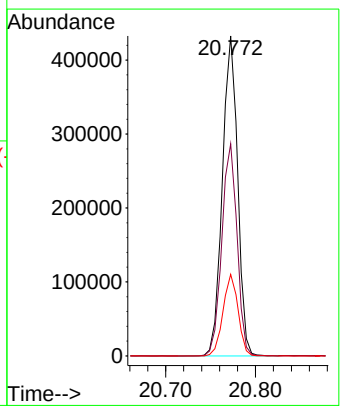
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

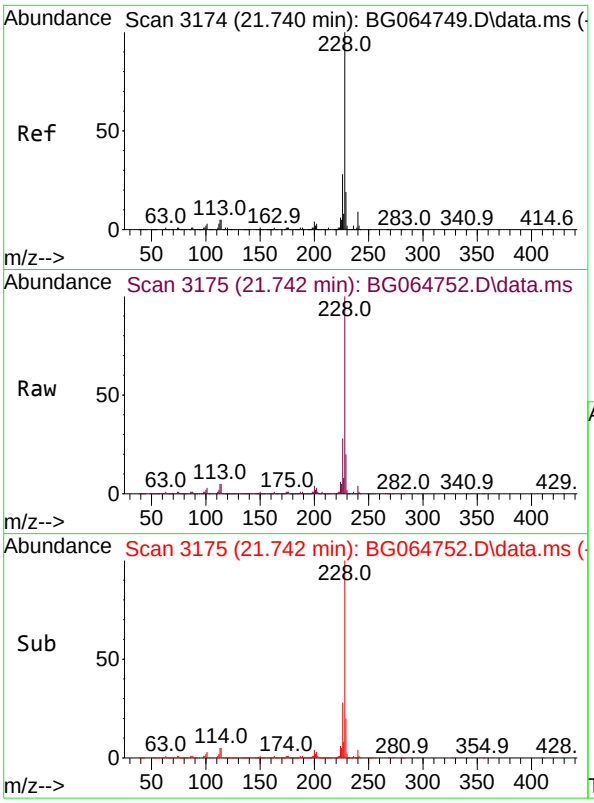


#80
Butylbenzylphthalate
Concen: 80.795 ng
RT: 20.772 min Scan# 3010
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 511144

Ion	Ratio	Lower	Upper
149	100		
91	66.3	54.9	82.3
206	25.5	21.2	31.8





#81
Benzo(a)anthracene
Concen: 79.153 ng
RT: 21.742 min Scan# 31
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

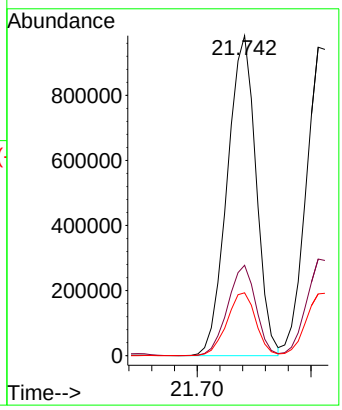
Tgt Ion:228 Resp: 172723

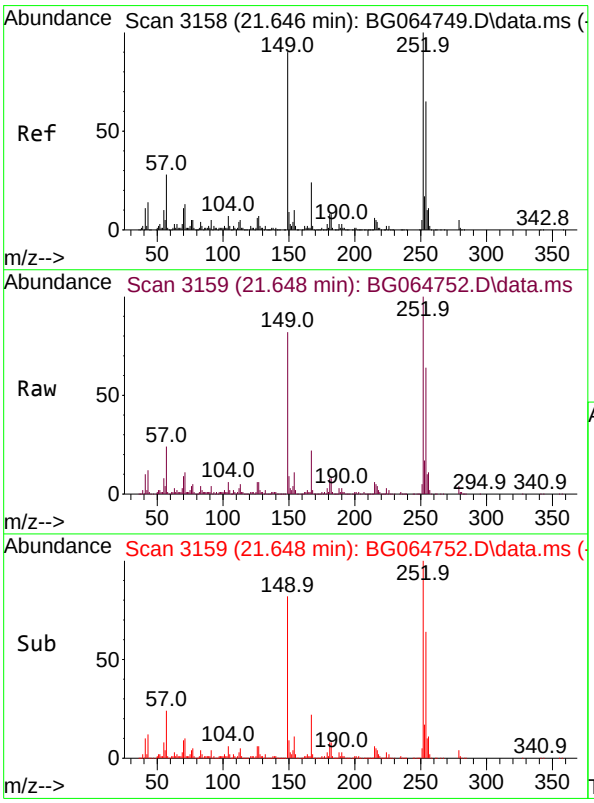
Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	19.6	15.5	23.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

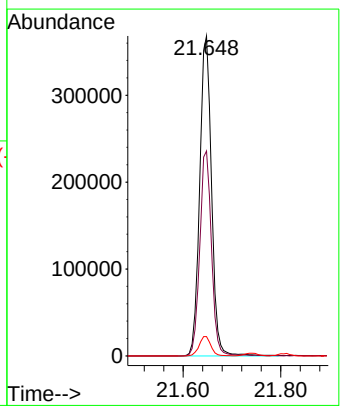


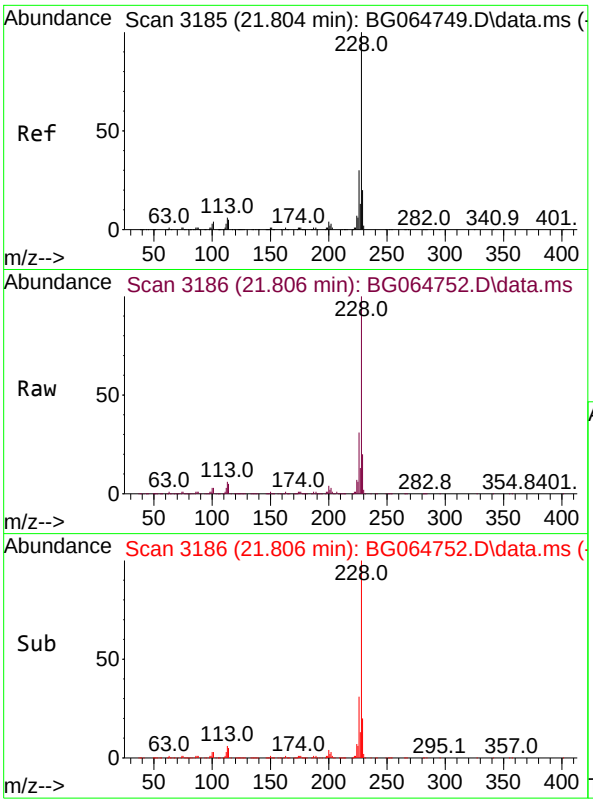


#82
3,3'-Dichlorobenzidine
Concen: 76.933 ng
RT: 21.648 min Scan# 3159
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 617916

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.8
126	6.0	4.7	7.1

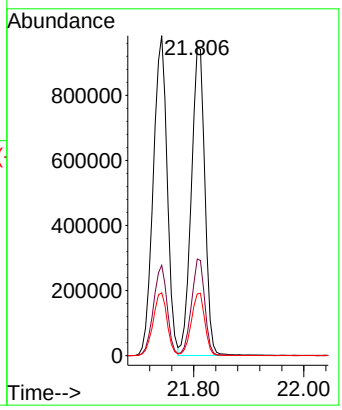




#83
Chrysene
Concen: 78.881 ng
RT: 21.806 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:228 Resp: 162281

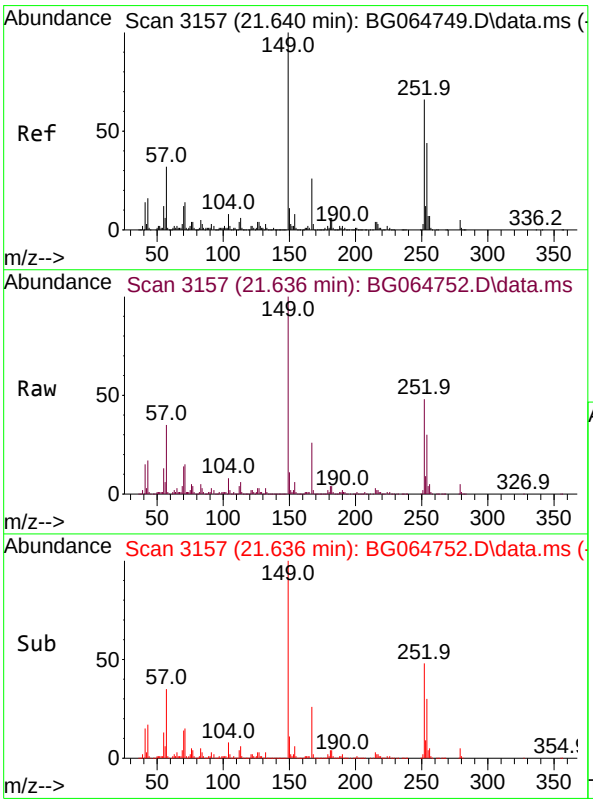
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	20.0	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

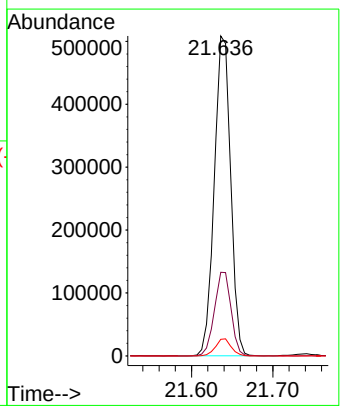
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

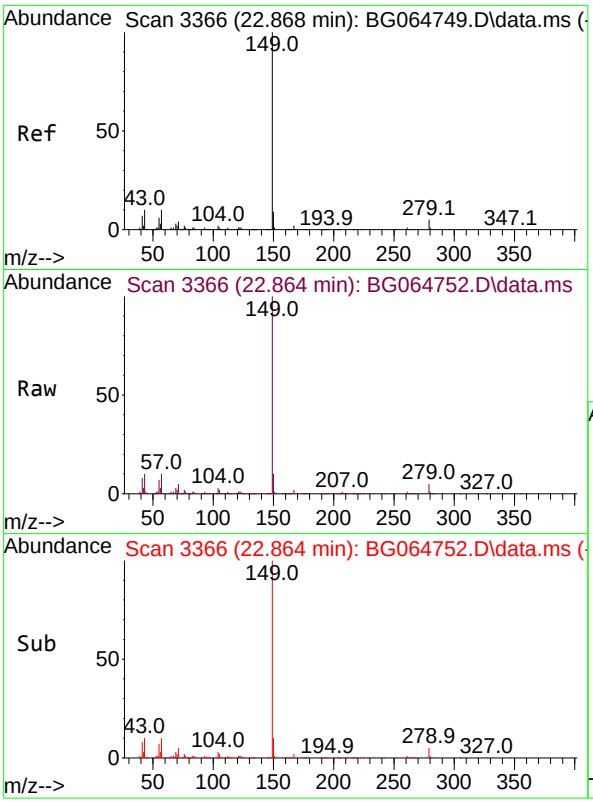


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.834 ng
RT: 21.636 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 710301

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	5.2	4.1	6.1

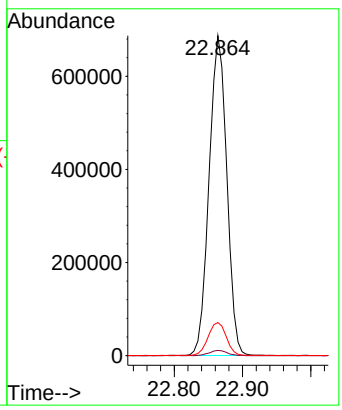




#85
Di-n-octyl phthalate
Concen: 77.260 ng
RT: 22.864 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:149 Resp: 123460

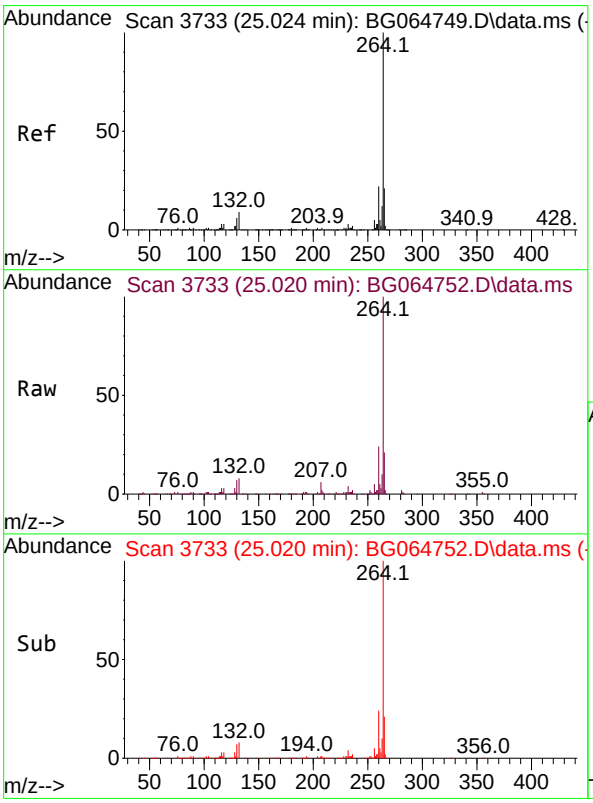
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

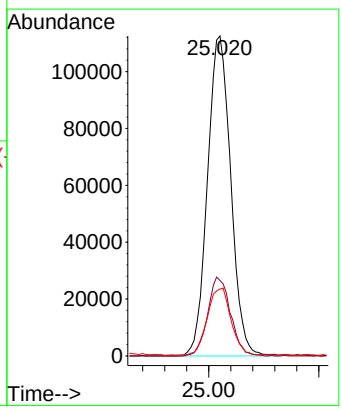
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

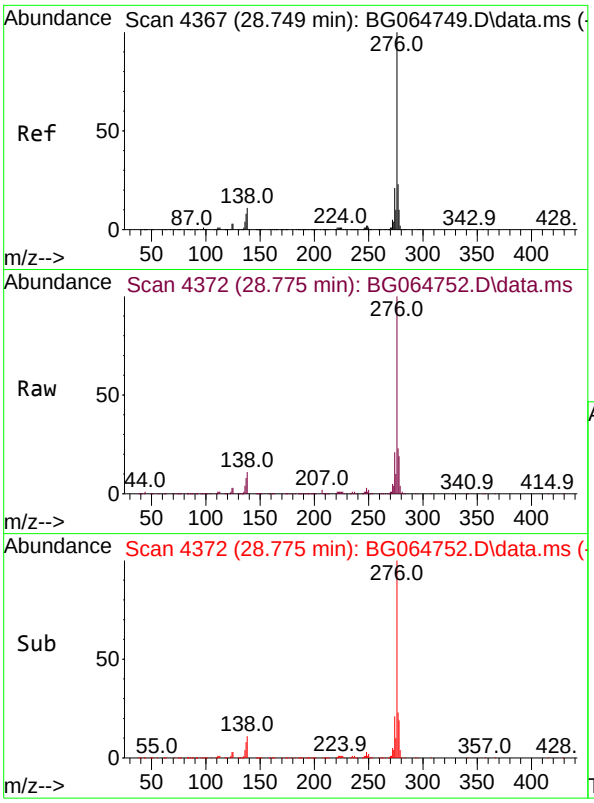


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.020 min Scan# 3733
Delta R.T. -0.004 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:264 Resp: 330317

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.2	25.8
265	20.9	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 83.713 ng
RT: 28.775 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

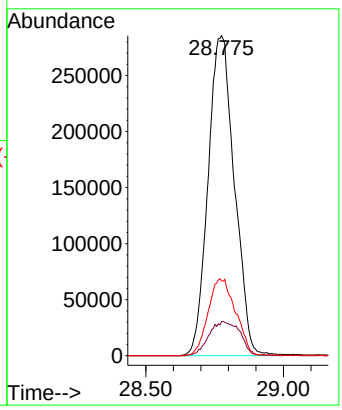
Tgt Ion:276 Resp: 189978

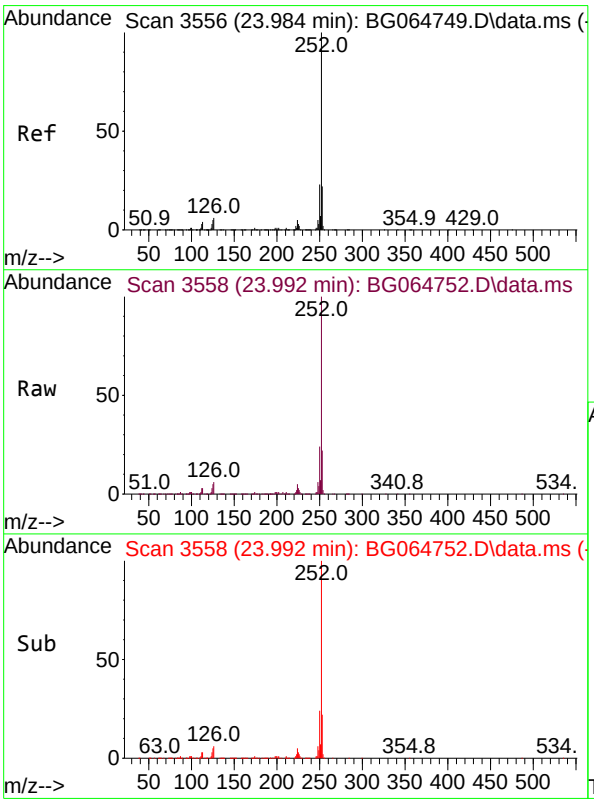
Ion	Ratio	Lower	Upper
276	100		
138	12.5	4.5	6.7
277	25.1	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

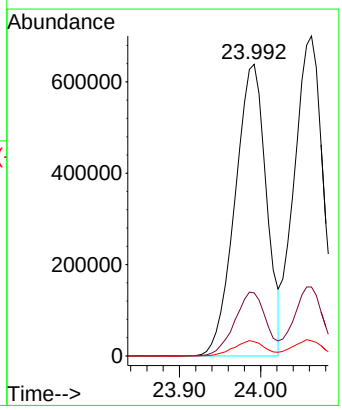


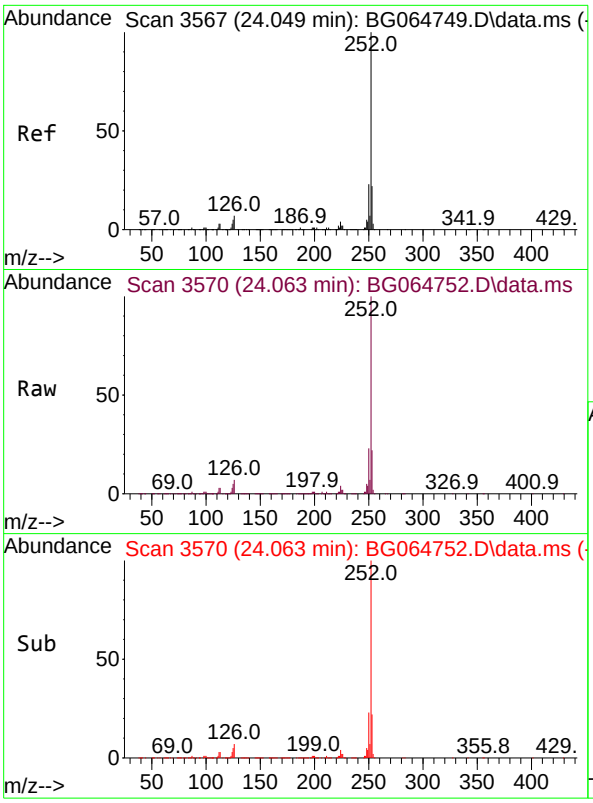


#88
Benzo(b)fluoranthene
Concen: 81.466 ng
RT: 23.992 min Scan# 3558
Delta R.T. 0.008 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 1712491

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	4.9	4.2	6.2

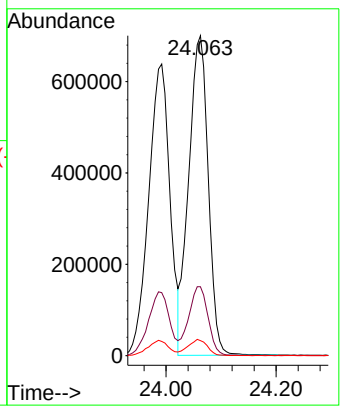




#89
Benzo(k)fluoranthene
Concen: 81.620 ng
RT: 24.063 min Scan# 3
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 172370

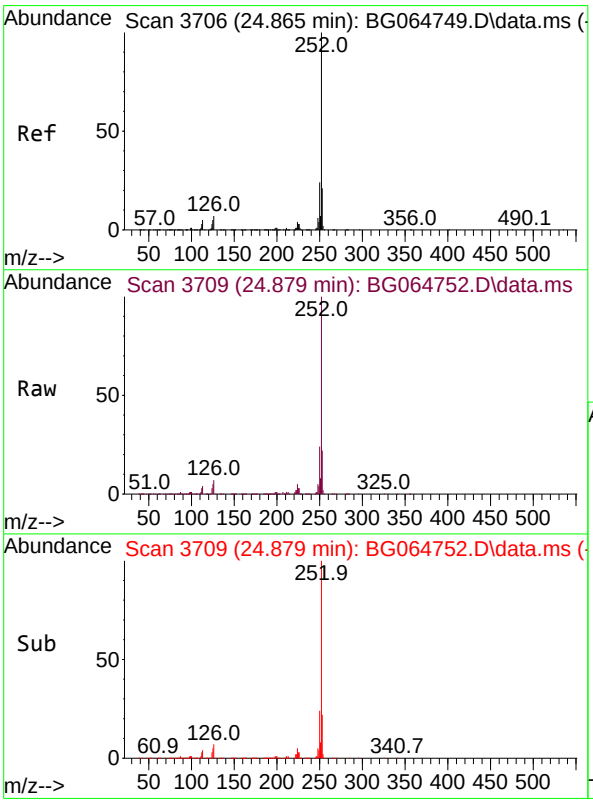
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	4.7	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

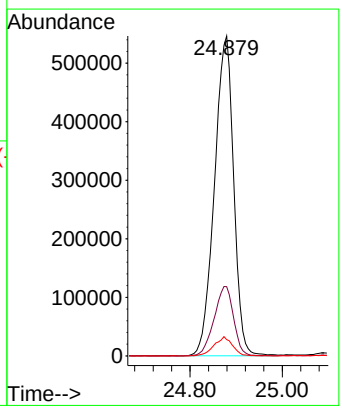
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

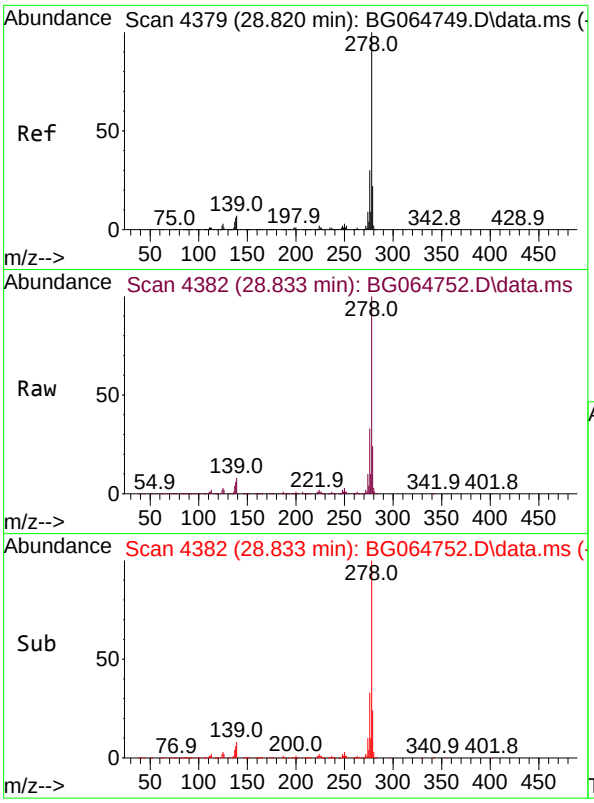


#90
Benzo(a)pyrene
Concen: 81.225 ng
RT: 24.879 min Scan# 3709
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:252 Resp: 1583859

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.9	25.3
125	5.1	4.2	6.4





#91
Dibenzo(a,h)anthracene
Concen: 83.894 ng
RT: 28.833 min Scan# 4
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

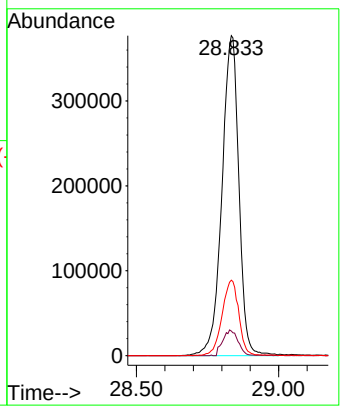
Tgt Ion:278 Resp: 155970

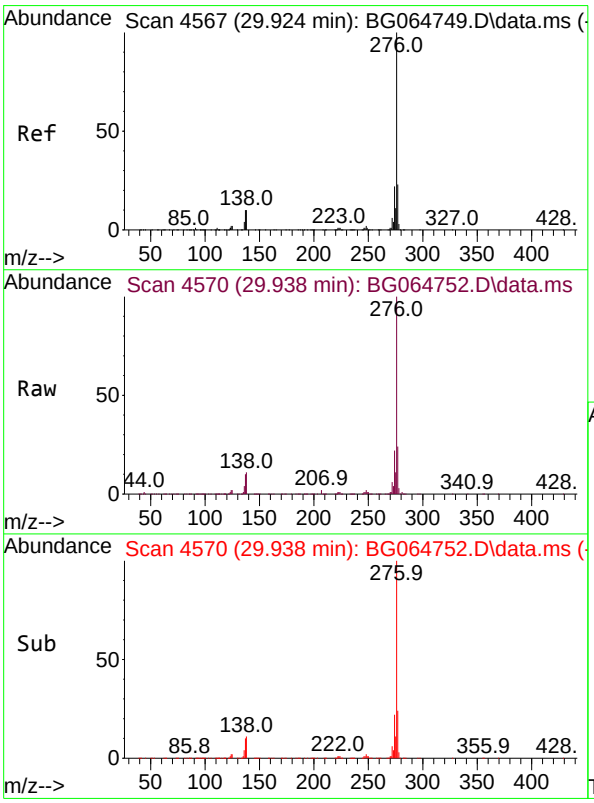
Ion	Ratio	Lower	Upper
278	100		
139	7.7	5.8	8.8
279	23.6	17.3	25.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

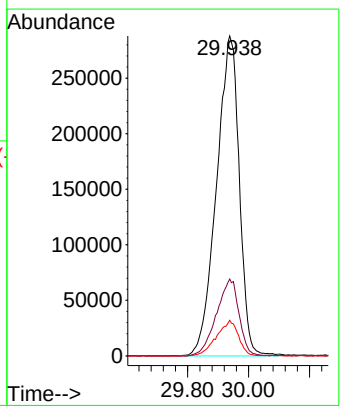




#92
Benzo(g,h,i)perylene
Concen: 83.541 ng
RT: 29.938 min Scan# 4570
Delta R.T. 0.014 min
Lab File: BG064752.D
Acq: 12 Nov 2025 16:04

Tgt Ion:276 Resp: 1494746

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.0	27.0
138	11.1	8.2	12.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	33326	20.000	ng	0.00
21) Naphthalene-d8	10.985	136	132747	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	109409	20.000	ng	0.00
64) Phenanthrene-d10	17.507	188	274232	20.000	ng	0.00
76) Chrysene-d12	21.755	240	377705	20.000	ng	0.00
86) Perylene-d12	25.016	264	409953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	120553	63.167	ng	0.00
7) Phenol-d6	7.307	99	163728	64.502	ng	0.00
23) Nitrobenzene-d5	9.328	82	166272	61.930	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	136910	64.162	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	470384	59.990	ng	0.00
79) Terphenyl-d14	20.092	244	1191783	62.068	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.535	88	23293	31.527	ng	96
3) Pyridine	3.946	79	64481	29.291	ng	96
4) n-Nitrosodimethylamine	3.852	42	36442	32.525	ng	91
6) Aniline	7.483	93	115393	34.106	ng	99
8) 2-Chlorophenol	7.730	128	68691	32.779	ng	96
9) Benzaldehyde	7.295	77	58482	35.196	ng	90
10) Phenol	7.336	94	91069	32.974	ng	95
11) bis(2-Chloroethyl)ether	7.571	93	63934	32.532	ng	98
12) 1,3-Dichlorobenzene	8.059	146	81195	33.672	ng	97
13) 1,4-Dichlorobenzene	8.206	146	80784	32.901	ng	96
14) 1,2-Dichlorobenzene	8.523	146	80788	33.934	ng	99
15) Benzyl Alcohol	8.400	79	72009	34.561	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.688	45	148081	31.833	ng	99
17) 2-Methylphenol	8.600	107	62824	32.149	ng	96
18) Hexachloroethane	9.263	117	29173	31.370	ng	95
19) n-Nitroso-di-n-propyla...	8.970	70	58847	34.287	ng	91
20) 3+4-Methylphenols	8.923	107	86297	32.235	ng	96
22) Acetophenone	8.987	105	122146	33.774	ng	99
24) Nitrobenzene	9.369	77	89962	33.162	ng	94
25) Isophorone	9.898	82	165493	32.368	ng	97
26) 2-Nitrophenol	10.086	139	40886	33.507	ng	98
27) 2,4-Dimethylphenol	10.139	122	68610	31.650	ng	98
28) bis(2-Chloroethoxy)met...	10.374	93	90243	32.150	ng	97
29) 2,4-Dichlorophenol	10.627	162	76896	33.040	ng	97
30) 1,2,4-Trichlorobenzene	10.844	180	95519	33.988	ng	96
31) Naphthalene	11.038	128	236163	31.383	ng	100
32) Benzoic acid	10.245	122	43241m	30.681	ng	
33) 4-Chloroaniline	11.126	127	101262	33.639	ng	100
34) Hexachlorobutadiene	11.326	225	75988	31.513	ng	97
35) Caprolactam	11.884	113	22870	32.854	ng	95
36) 4-Chloro-3-methylphenol	12.236	107	83400	32.195	ng	97
37) 2-Methylnaphthalene	12.624	142	161122	28.612	ng	97
38) 1-Methylnaphthalene	12.842	142	168025	30.038	ng	99
40) 1,2,4,5-Tetrachloroben...	12.989	216	134917	31.686	ng	98
41) Hexachlorocyclopentadiene	12.971	237	93533	30.647	ng	98
43) 2,4,6-Trichlorophenol	13.218	196	80067	32.039	ng	97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	88366	31.528	ng		95
46) 1,1'-Biphenyl	13.617	154	253543	32.265	ng		95
47) 2-Chloronaphthalene	13.664	162	192989	31.173	ng		99
48) 2-Nitroaniline	13.846	65	66734	33.514	ng		95
49) Acenaphthylene	14.504	152	336105	31.779	ng		98
50) Dimethylphthalate	14.222	163	273873	31.689	ng		96
51) 2,6-Dinitrotoluene	14.334	165	55364	33.291	ng		97
52) Acenaphthene	14.839	154	200981	31.693	ng		100
53) 3-Nitroaniline	14.663	138	55656	33.908	ng		99
54) 2,4-Dinitrophenol	14.869	184	30993	32.871	ng		91
55) Dibenzofuran	15.168	168	328578	31.341	ng		97
56) 4-Nitrophenol	14.957	139	43480	33.387	ng		92
57) 2,4-Dinitrotoluene	15.115	165	83443	33.468	ng		98
58) Fluorene	15.815	166	260110	31.633	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.392	232	95337	34.475	ng		97
60) Diethylphthalate	15.574	149	260062	31.411	ng		98
61) 4-Chlorophenyl-phenyle...	15.803	204	151269	30.654	ng		99
62) 4-Nitroaniline	15.815	138	57409	33.761	ng		95
63) Azobenzene	16.097	77	219873	31.929	ng		97
65) 4,6-Dinitro-2-methylph...	15.879	198	51659	33.928	ng		91
66) n-Nitrosodiphenylamine	16.014	169	234732	32.679	ng		98
67) 4-Bromophenyl-phenylether	16.696	248	113704	31.573	ng		96
68) Hexachlorobenzene	16.819	284	136782	31.349	ng		95
69) Atrazine	16.949	200	114666	33.110	ng		98
70) Pentachlorophenol	17.154	266	72699	32.137	ng		97
71) Phenanthrene	17.548	178	472871	31.516	ng		99
72) Anthracene	17.636	178	486138	31.775	ng		99
73) Carbazole	17.900	167	431125	32.779	ng		99
74) Di-n-butylphthalate	18.453	149	467217	31.841	ng		99
75) Fluoranthene	19.540	202	649361	31.649	ng		99
77) Benzidine	19.710	184	374997	33.151	ng		99
78) Pyrene	19.898	202	679837	32.115	ng		98
80) Butylbenzylphthalate	20.768	149	231586	31.103	ng		98
81) Benzo(a)anthracene	21.737	228	813112	31.660	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	321145	33.973	ng		98
83) Chrysene	21.802	228	755443	31.200	ng		100
84) Bis(2-ethylhexyl)phtha...	21.637	149	336357	30.914	ng		99
85) Di-n-octyl phthalate	22.859	149	578463	30.757	ng		100
87) Indeno(1,2,3-cd)pyrene	28.746	276	909527	32.293	ng	#	96
88) Benzo(b)fluoranthene	23.981	252	800751	30.693	ng		99
89) Benzo(k)fluoranthene	24.046	252	841278	32.097	ng		99
90) Benzo(a)pyrene	24.863	252	781704	32.301	ng		99
91) Dibenzo(a,h)anthracene	28.811	278	741916	32.155	ng		98
92) Benzo(g,h,i)perylene	29.910	276	705009	31.749	ng		99

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

ICAL Form

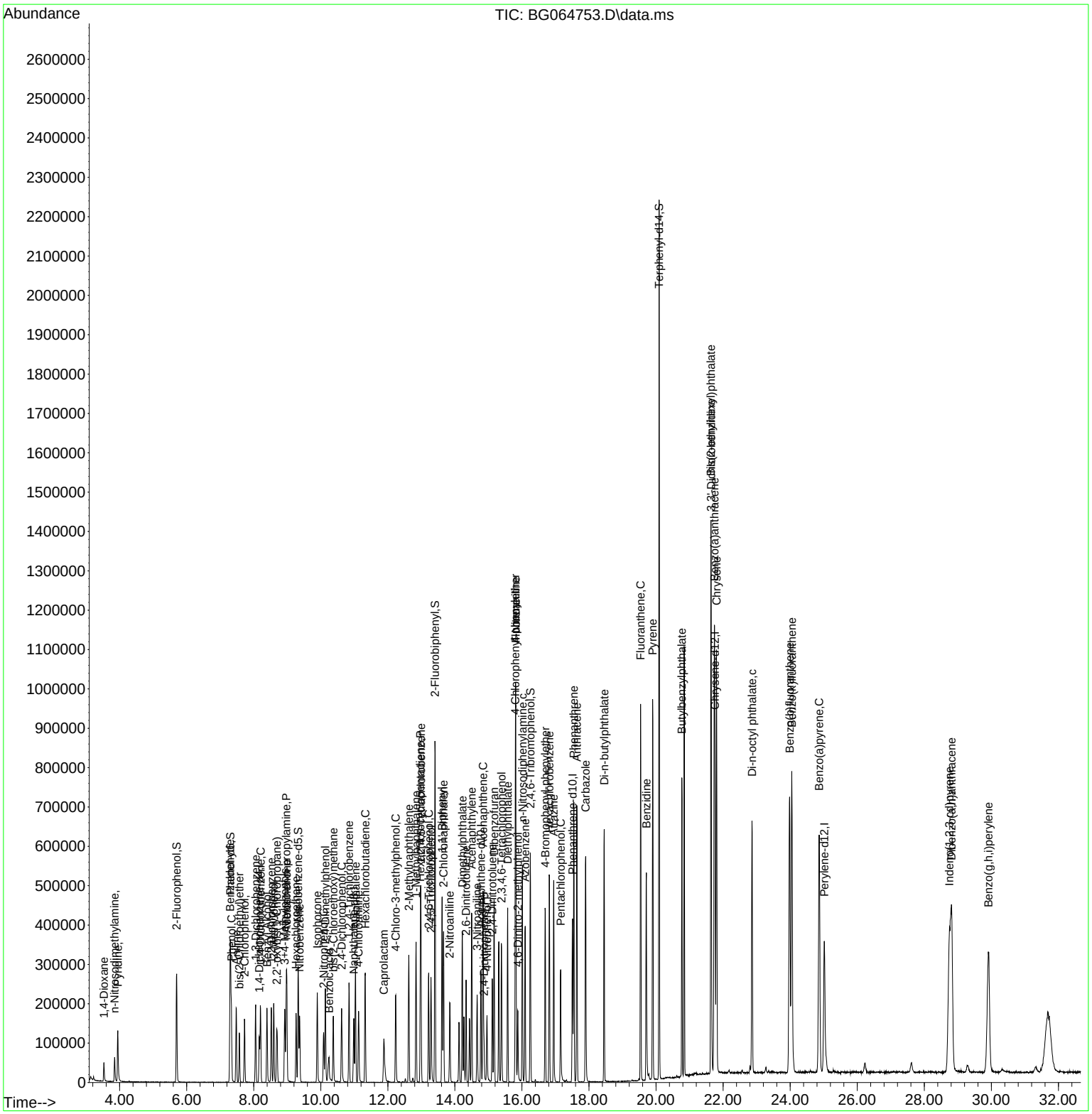
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

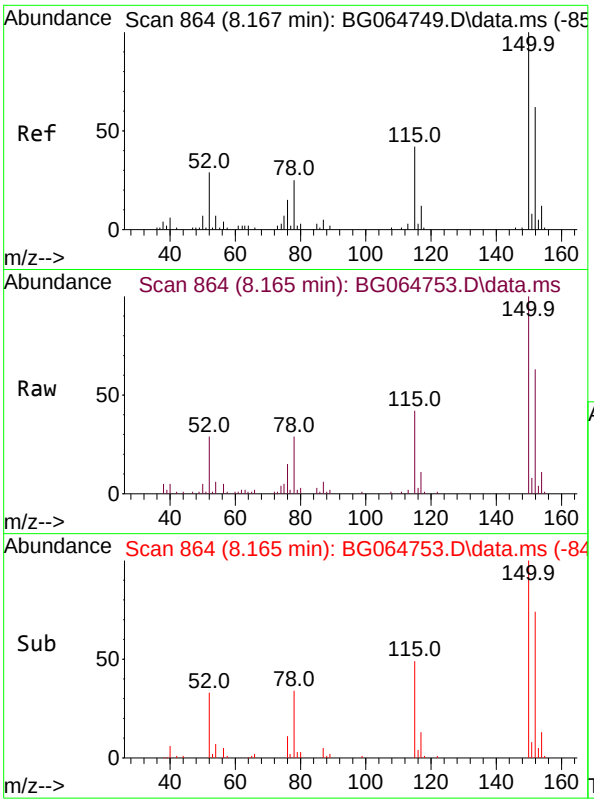
Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

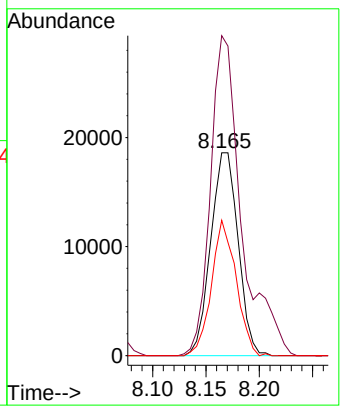




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:152 Resp: 3332

Ion	Ratio	Lower	Upper
152	100		
150	157.7	129.2	193.8
115	66.7	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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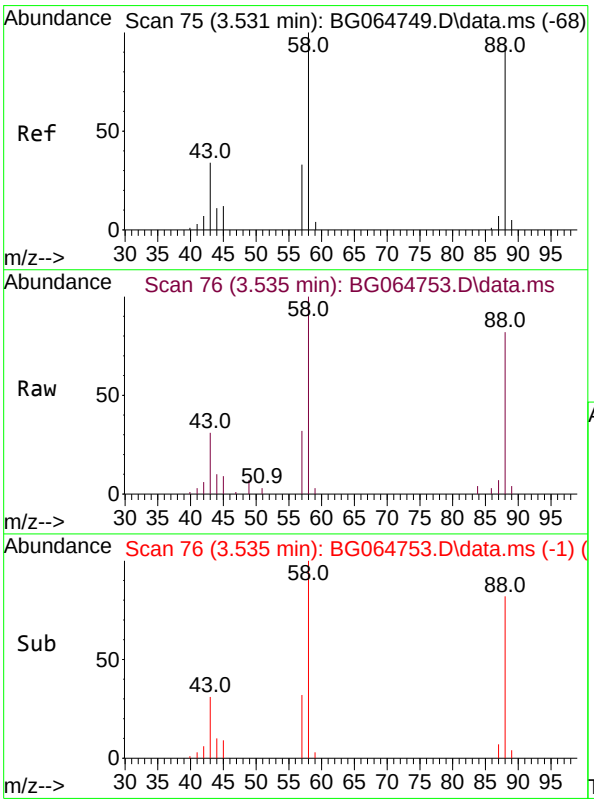
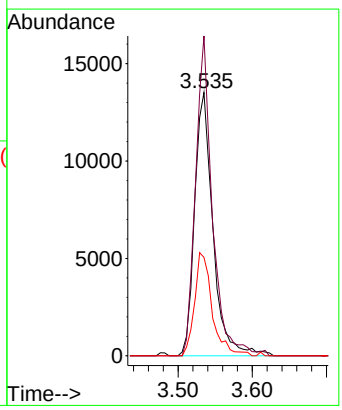
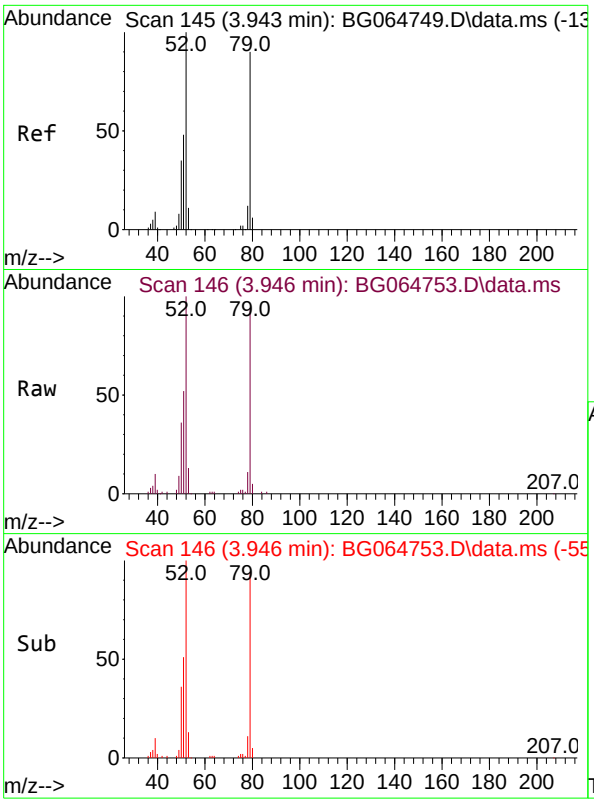


#2
1,4-Dioxane
Concen: 31.527 ng
RT: 3.535 min Scan# 76
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 88 Resp: 23293

Ion	Ratio	Lower	Upper
88	100		
58	111.2	84.6	126.8
43	37.7	30.0	45.0

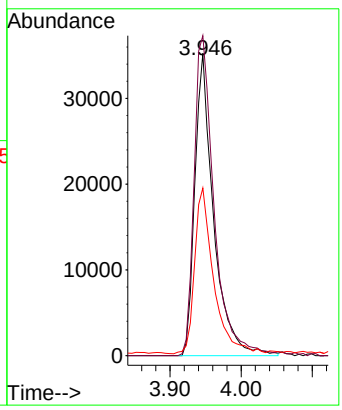




#3
Pyridine
Concen: 29.291 ng
RT: 3.946 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 79 Resp: 6448

Ion	Ratio	Lower	Upper
79	100		
52	105.9	89.0	133.4
51	55.5	43.4	65.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
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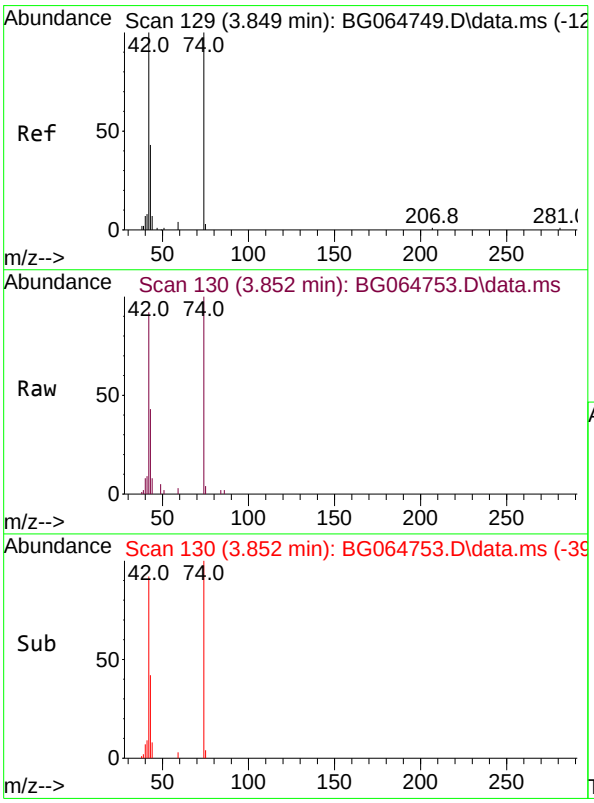
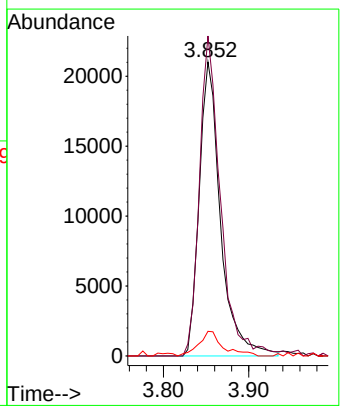
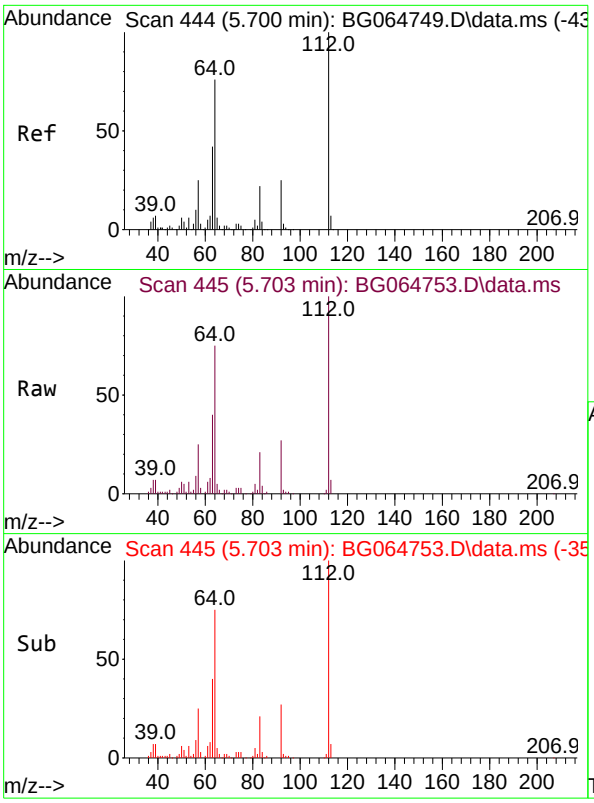


#4
n-Nitrosodimethylamine
Concen: 32.525 ng
RT: 3.852 min Scan# 130
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 42 Resp: 36442

Ion	Ratio	Lower	Upper
42	100		
74	108.9	79.8	119.6
44	8.4	5.9	8.9





#5
2-Fluorophenol
Concen: 63.167 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:112 Resp: 12055

Ion	Ratio	Lower	Upper
112	100		
64	75.3	61.0	91.4
63	40.5	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
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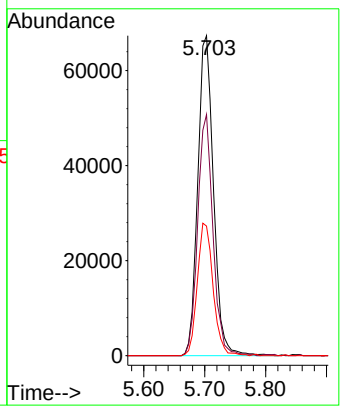
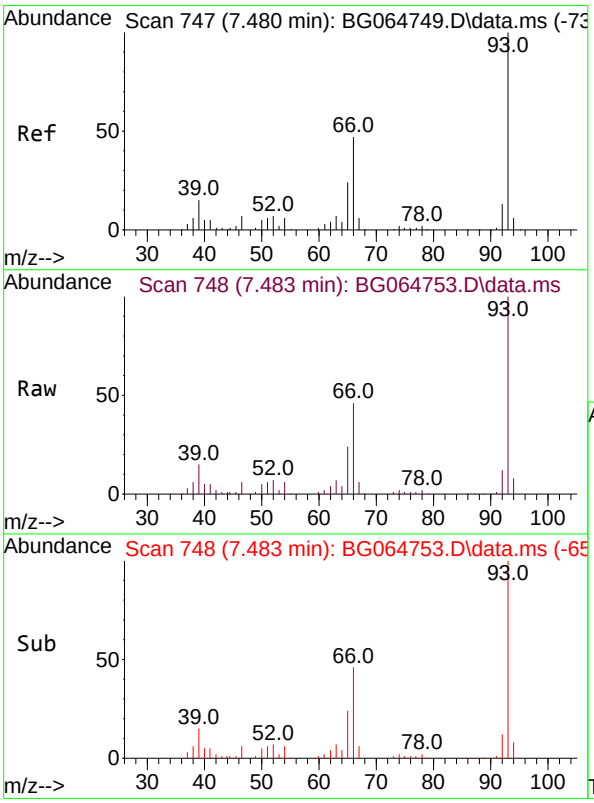
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

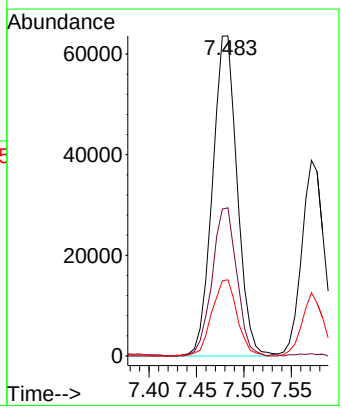


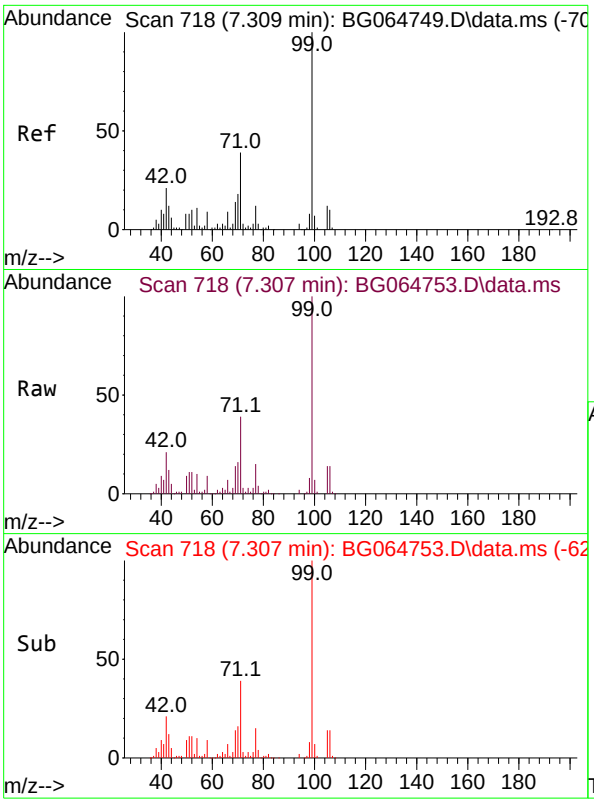


#6
Aniline
Concen: 34.106 ng
RT: 7.483 min Scan# 748
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 115393

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.7	56.5
65	23.8	19.1	28.7

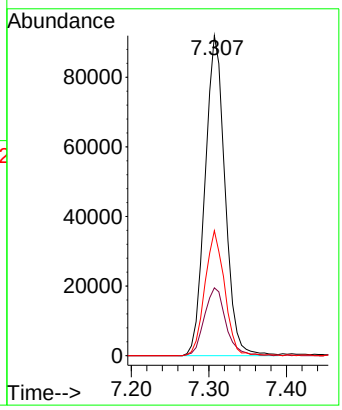




#7
Phenol-d6
Concen: 64.502 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 99 Resp: 16372

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.8	25.2
71	39.0	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
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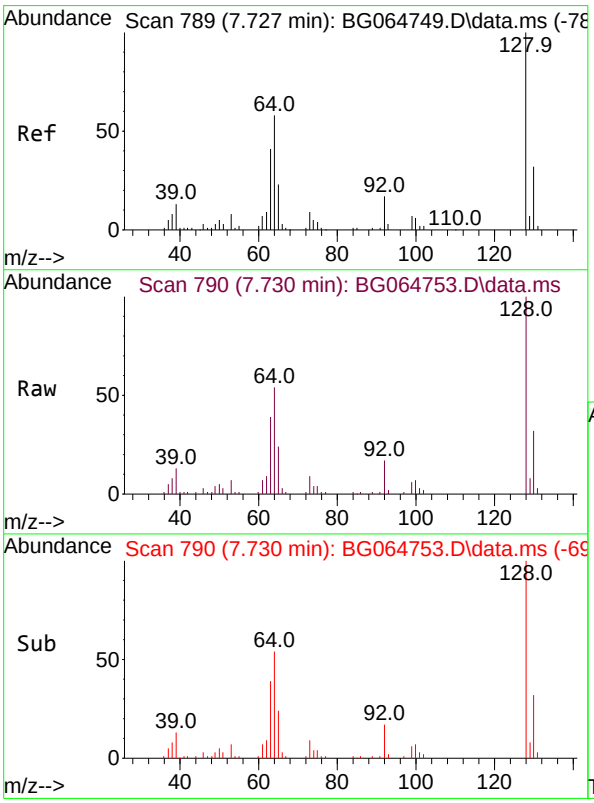
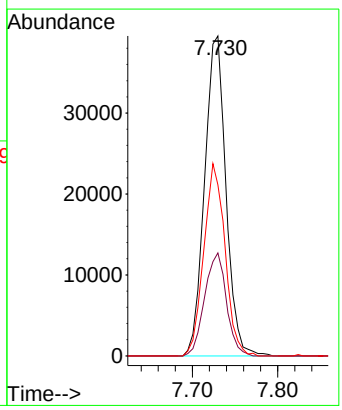
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

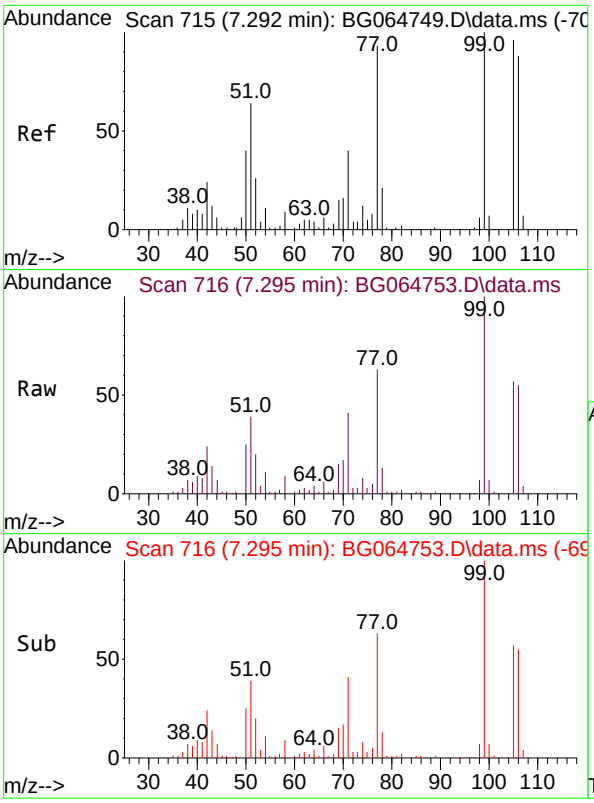


#8
2-Chlorophenol
Concen: 32.779 ng
RT: 7.730 min Scan# 790
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:128 Resp: 68691

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.9	51.9
64	53.5	38.4	78.4

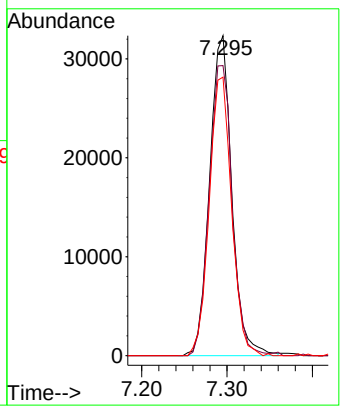




#9
Benzaldehyde
Concen: 35.196 ng
RT: 7.295 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 77 Resp: 5848

Ion	Ratio	Lower	Upper
77	100		
105	90.6	83.8	123.8
106	87.0	74.3	114.3



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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Reviewed By :Jagrut Upadhyay 11/14/2025
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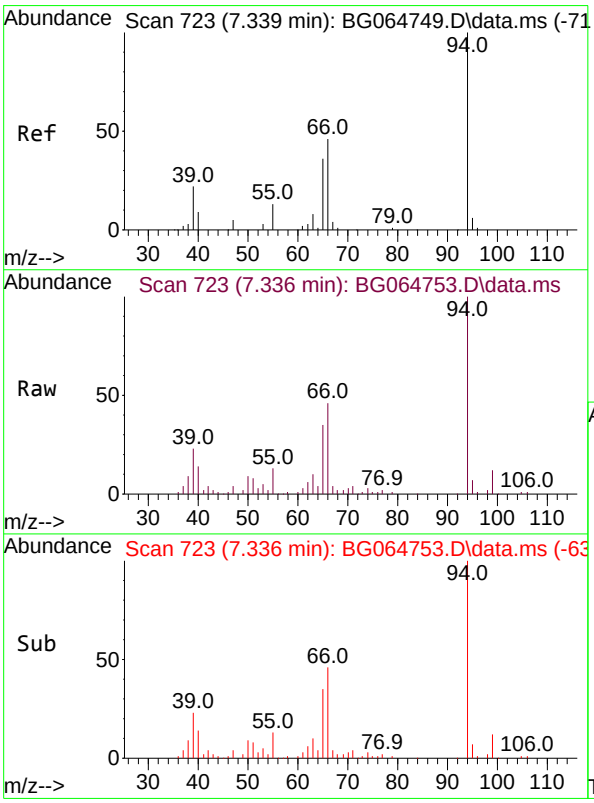
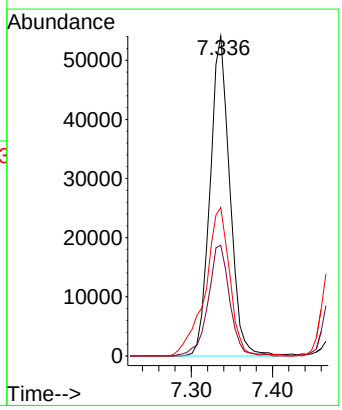
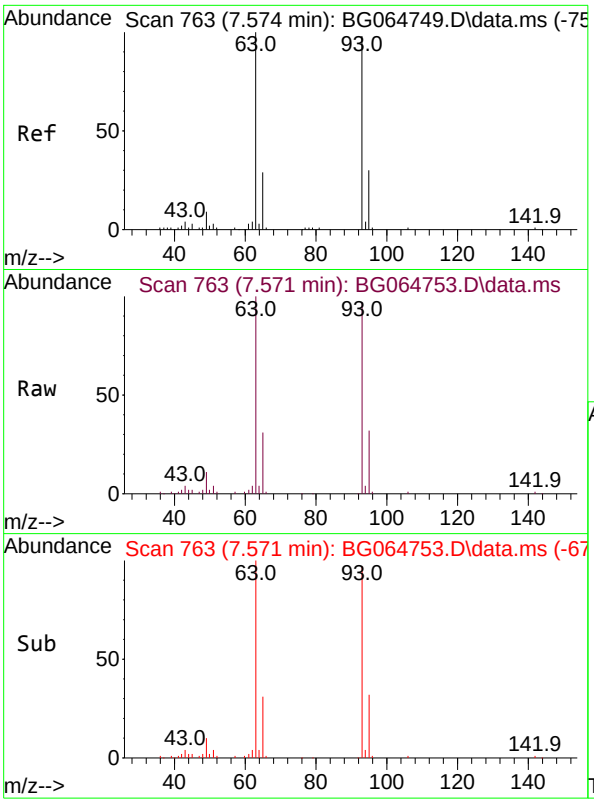


#10
Phenol
Concen: 32.974 ng
RT: 7.336 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 94 Resp: 91069

Ion	Ratio	Lower	Upper
94	100		
65	34.6	17.0	57.0
66	46.4	29.8	69.8

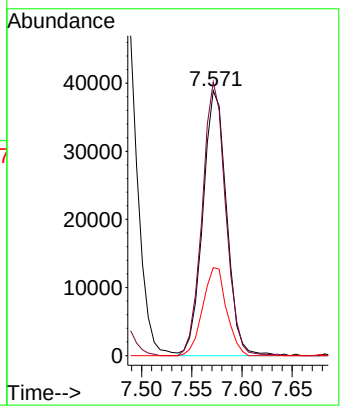




#11
bis(2-Chloroethyl)ether
Concen: 32.532 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 6393

Ion	Ratio	Lower	Upper
93	100		
63	103.4	81.8	121.8
95	33.2	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
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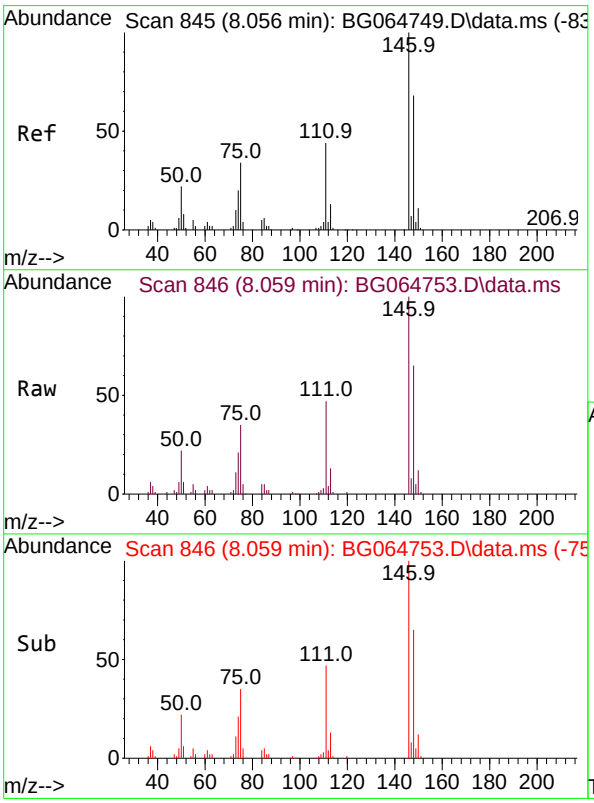
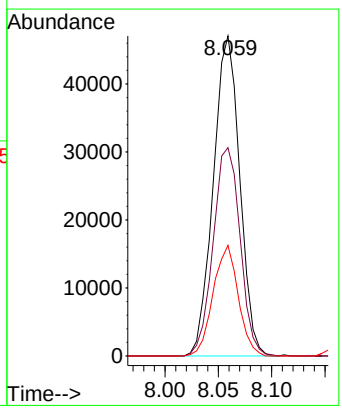
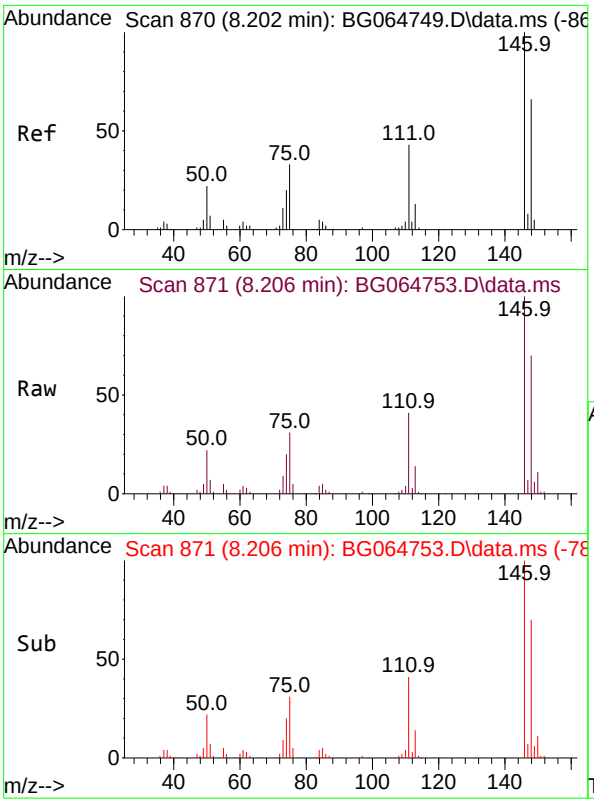


#12
1,3-Dichlorobenzene
Concen: 33.672 ng
RT: 8.059 min Scan# 846
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 81195

Ion	Ratio	Lower	Upper
146	100		
148	65.1	54.6	82.0
75	34.5	27.6	41.4

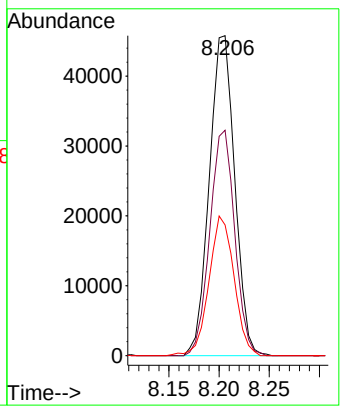




#13
1,4-Dichlorobenzene
Concen: 32.901 ng
RT: 8.206 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 8078

Ion	Ratio	Lower	Upper
146	100		
148	70.5	53.1	79.7
111	40.8	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
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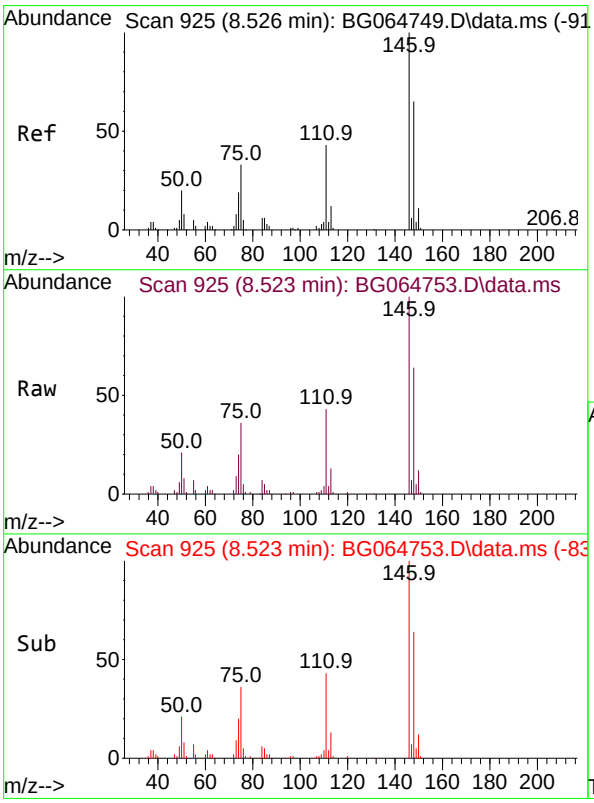
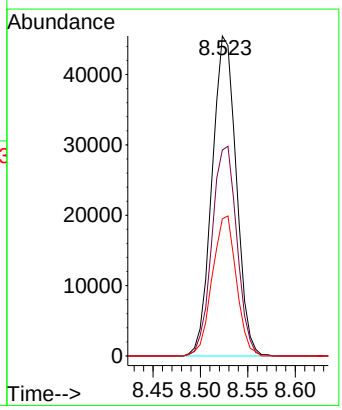
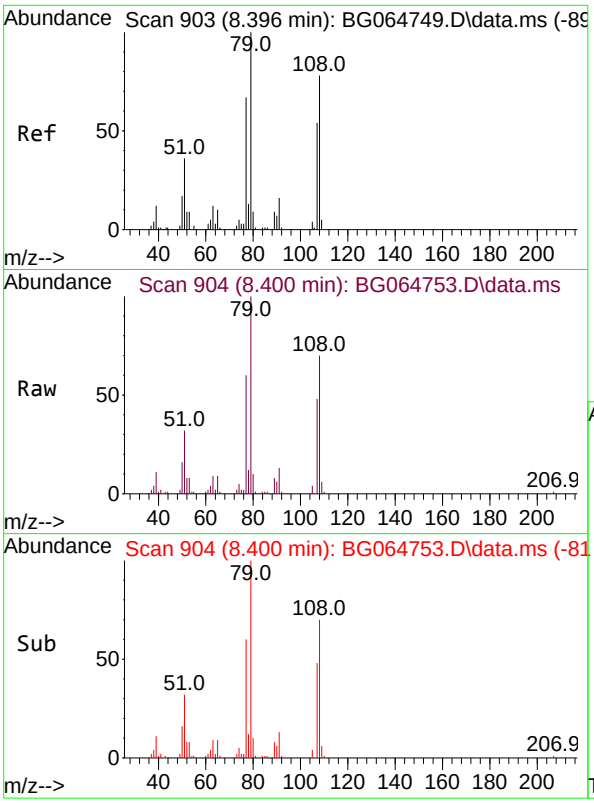


#14
1,2-Dichlorobenzene
Concen: 33.934 ng
RT: 8.523 min Scan# 925
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:146 Resp: 80788

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.0	78.0
111	42.8	34.7	52.1





#15
Benzyl Alcohol
Concen: 34.561 ng
RT: 8.400 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

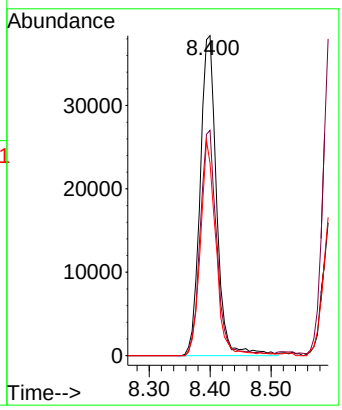
Tgt Ion: 79 Resp: 72009

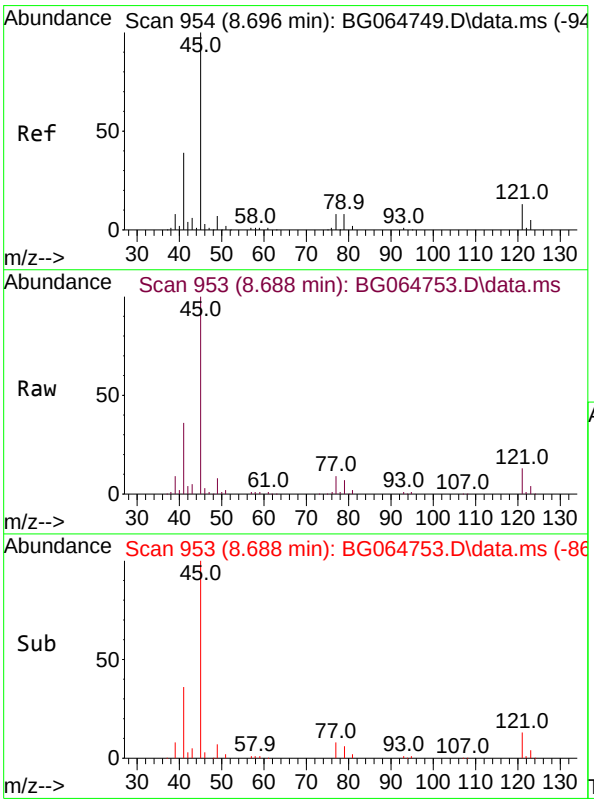
Ion	Ratio	Lower	Upper
79	100		
108	70.4	62.3	93.5
77	60.1	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

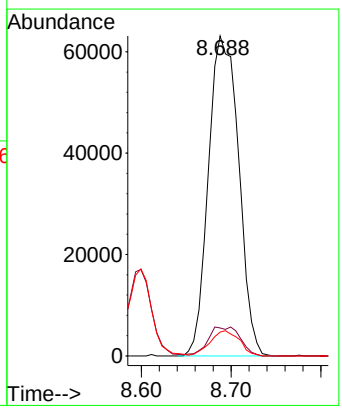


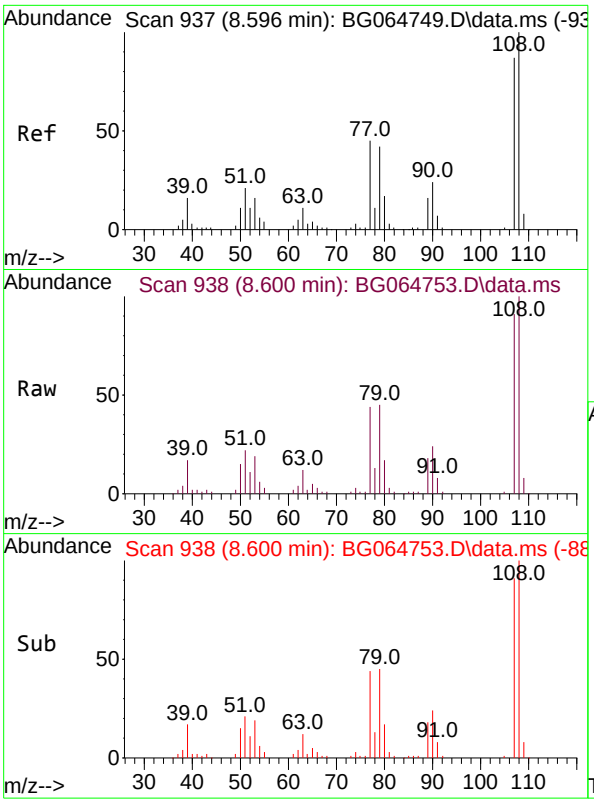


#16
2,2'-oxybis(1-Chloropropane)
Concen: 31.833 ng
RT: 8.688 min Scan# 953
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 45 Resp: 148081

Ion	Ratio	Lower	Upper
45	100		
77	8.7	0.0	28.8
79	7.4	0.0	28.1

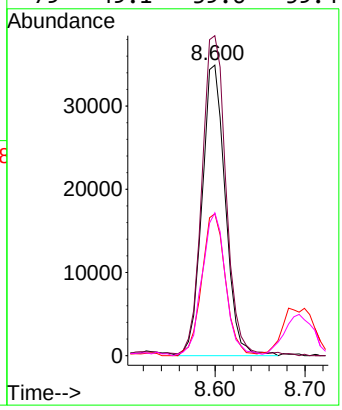




#17
2-Methylphenol
Concen: 32.149 ng
RT: 8.600 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 6282

Ion	Ratio	Lower	Upper
107	100		
108	110.1	92.6	138.8
77	48.8	41.2	61.8
79	49.1	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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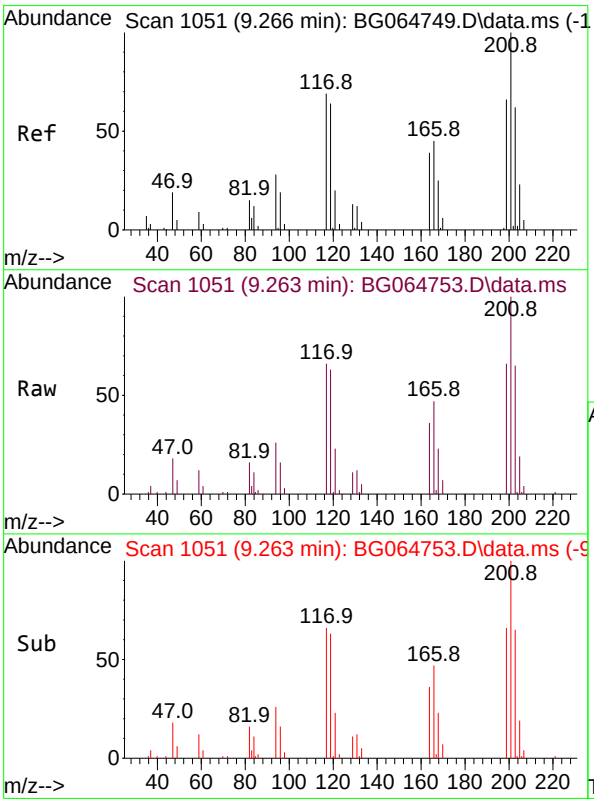
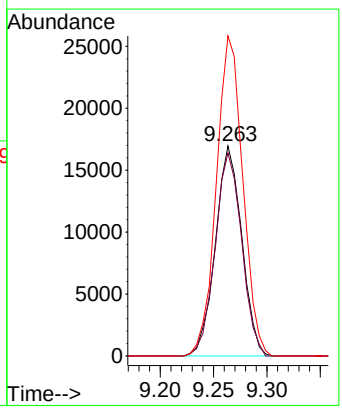
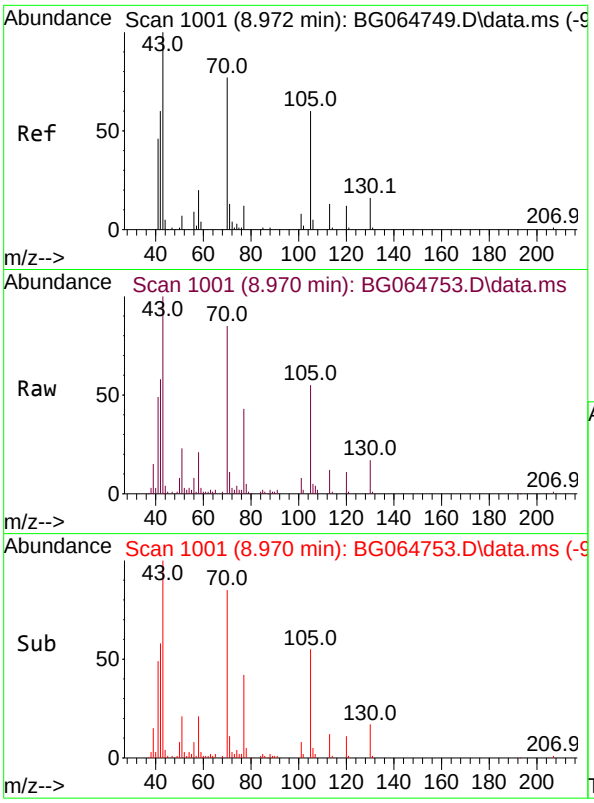


#18
Hexachloroethane
Concen: 31.370 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:117 Resp: 29173

Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.4	111.6
201	152.5	116.5	174.7

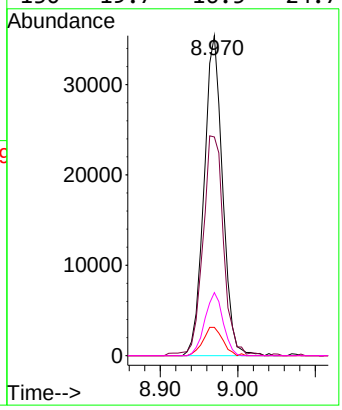




#19
n-Nitroso-di-n-propylamine
Concen: 34.287 ng
RT: 8.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 70 Resp: 5884

Ion	Ratio	Lower	Upper
70	100		
42	68.3	62.6	93.8
101	8.8	8.0	12.0
130	19.7	16.5	24.7



Instrument :
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ClientSampleId :
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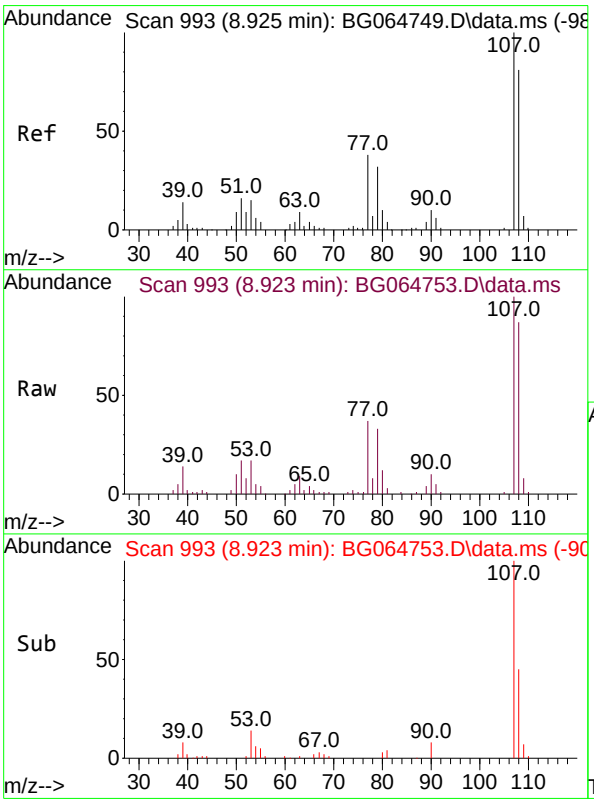
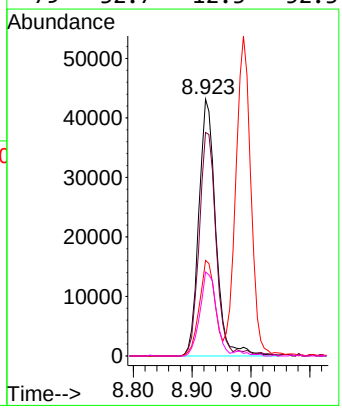
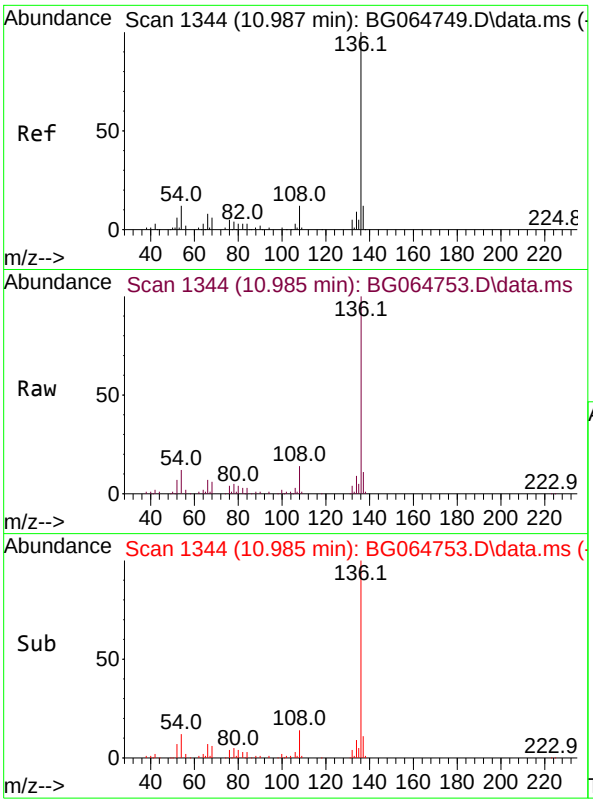


#20
3+4-Methylphenols
Concen: 32.235 ng
RT: 8.923 min Scan# 993
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 86297

Ion	Ratio	Lower	Upper
107	100		
108	87.0	61.0	101.0
77	37.2	17.6	57.6
79	32.7	12.3	52.3

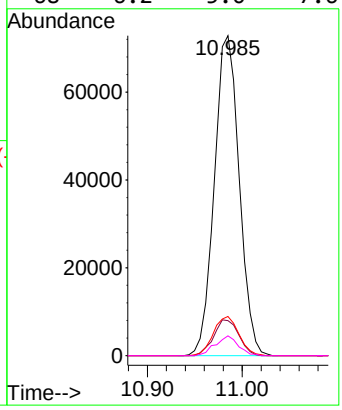




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.985 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:136 Resp: 13274

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	12.2	9.3	13.9
68	6.2	5.0	7.6



Instrument :
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ClientSampleId :
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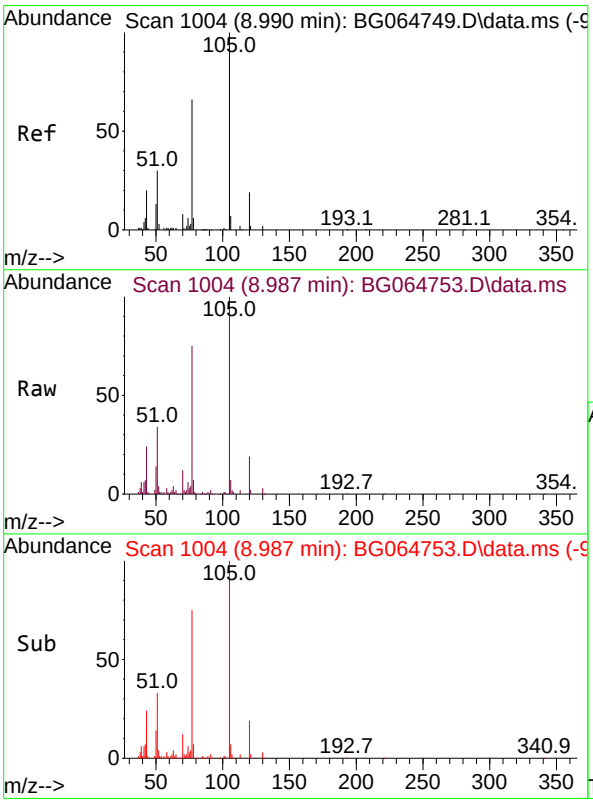
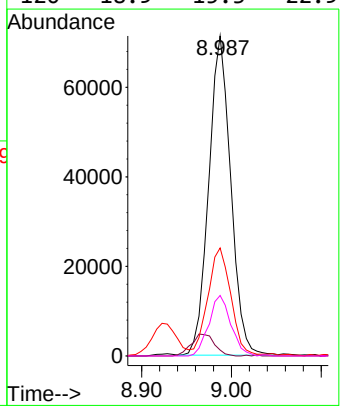
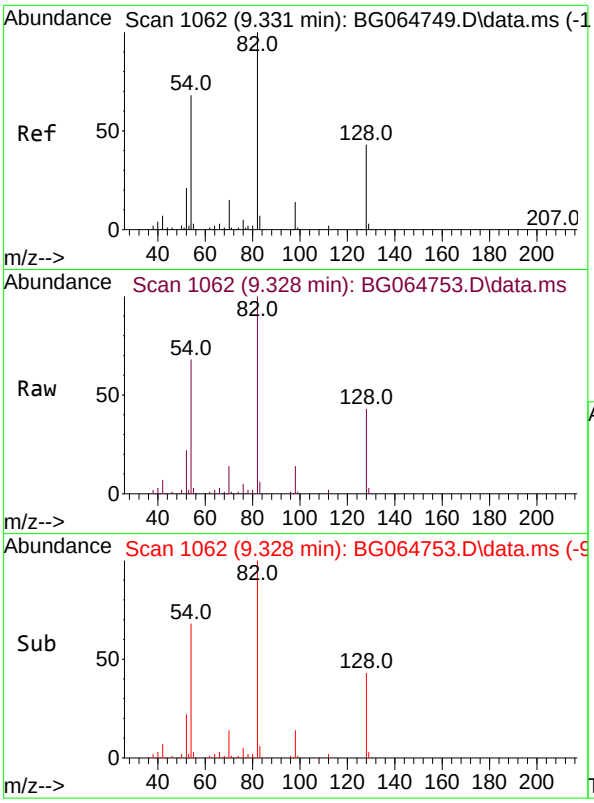


#22
Acetophenone
Concen: 33.774 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:105 Resp: 122146

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.3	1.9
51	33.7	27.9	41.9
120	18.9	15.3	22.9

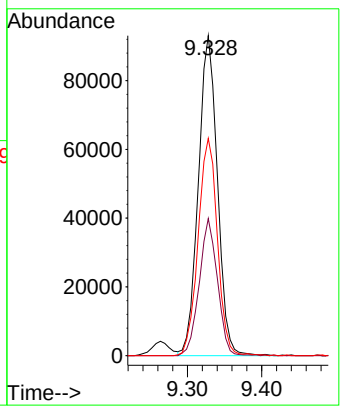




#23
Nitrobenzene-d5
Concen: 61.930 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 82 Resp: 16627

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.1	51.1
54	67.9	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
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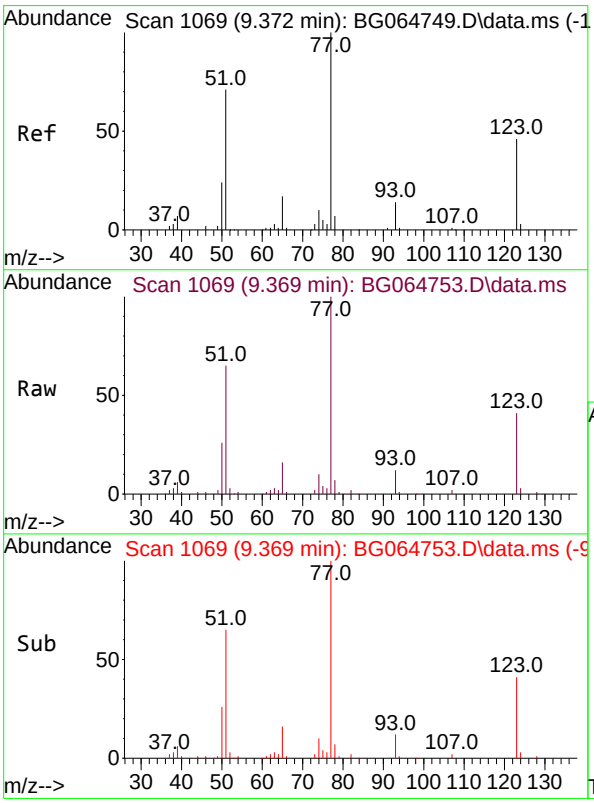
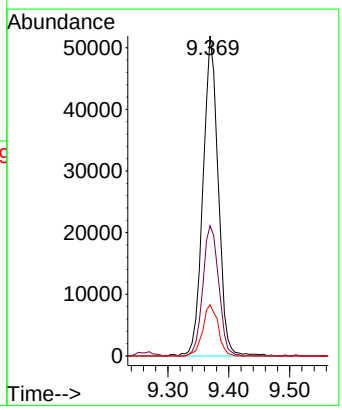
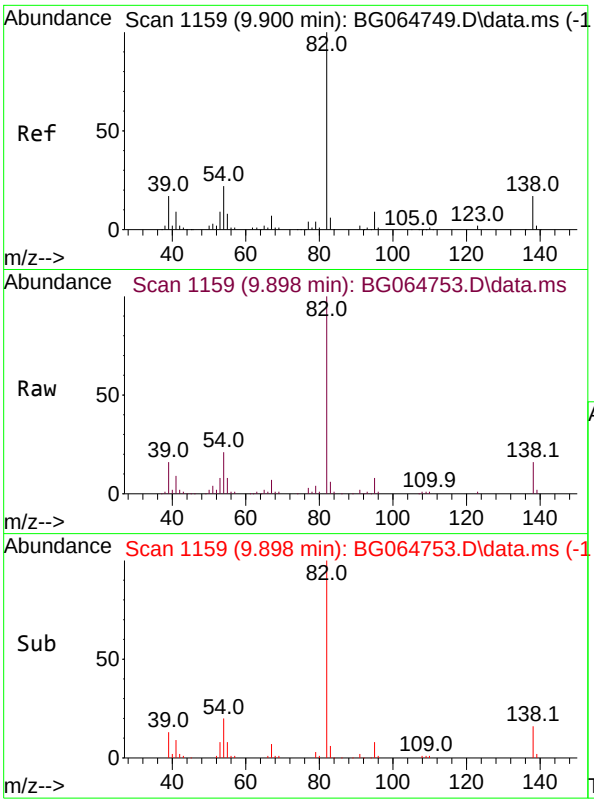


#24
Nitrobenzene
Concen: 33.162 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 77 Resp: 89962

Ion	Ratio	Lower	Upper
77	100		
123	40.7	36.5	54.7
65	16.0	13.5	20.3





#25
Isophorone
Concen: 32.368 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 82 Resp: 16549

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.9	10.3
138	15.7	13.9	20.9

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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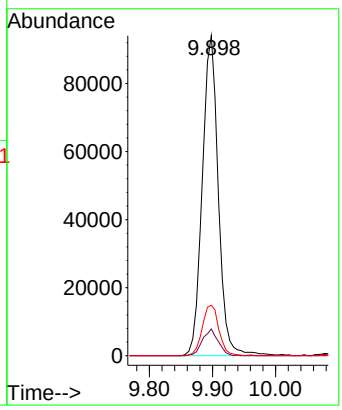
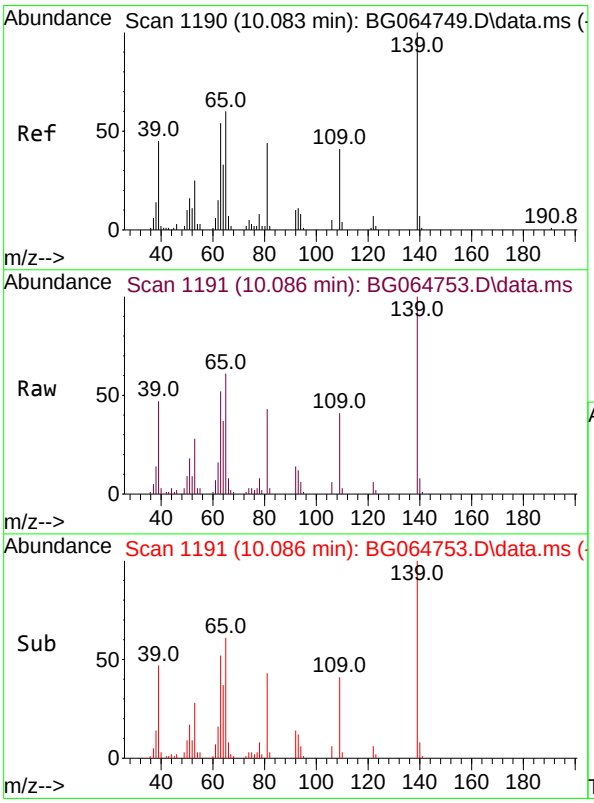
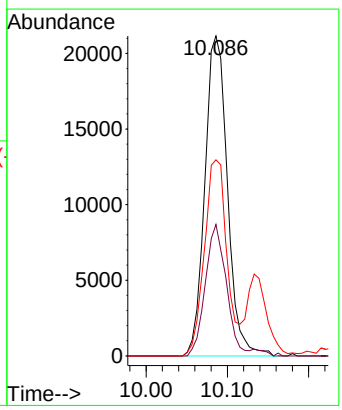


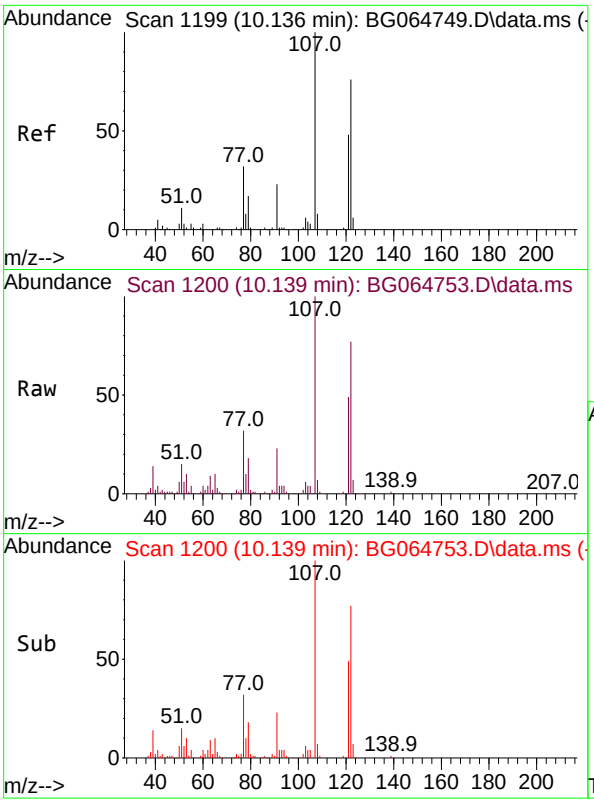


#26
2-Nitrophenol
Concen: 33.507 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:139 Resp: 40886

Ion	Ratio	Lower	Upper
139	100		
109	41.1	32.5	48.7
65	61.3	47.6	71.4

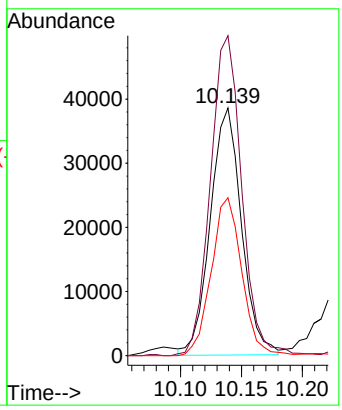




#27
2,4-Dimethylphenol
Concen: 31.650 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:122 Resp: 6861

Ion	Ratio	Lower	Upper
122	100		
107	129.3	102.5	153.7
121	63.8	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
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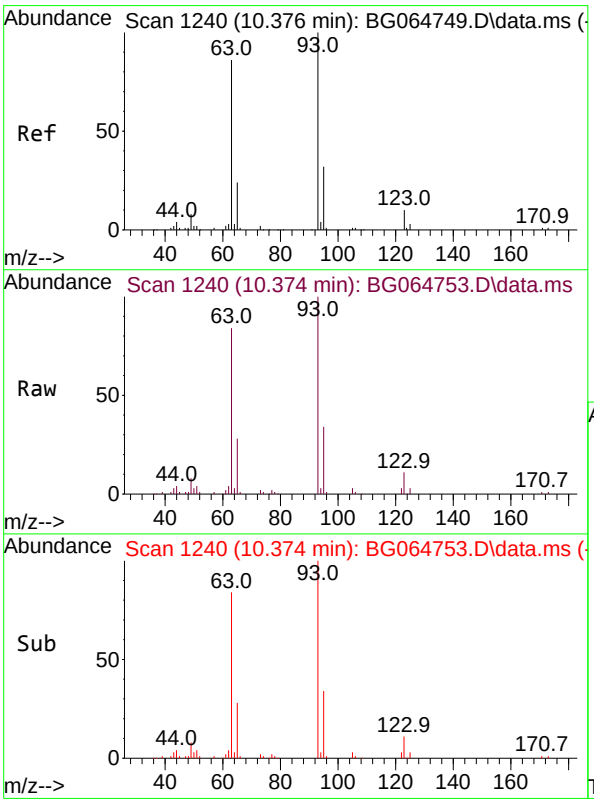
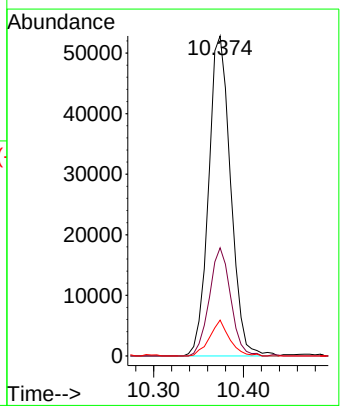
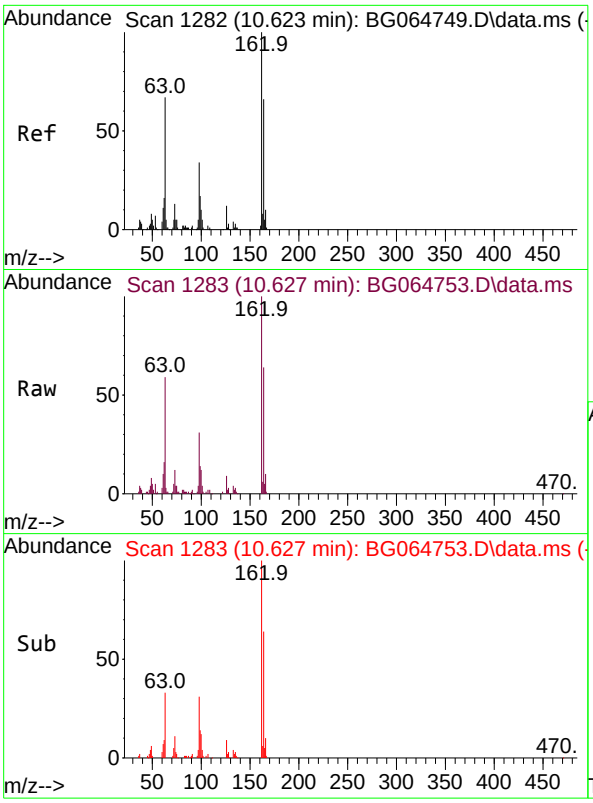


#28
bis(2-Chloroethoxy)methane
Concen: 32.150 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 93 Resp: 90243

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	11.2	8.1	12.1





#29
2,4-Dichlorophenol
Concen: 33.040 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:162 Resp: 7689

Ion	Ratio	Lower	Upper
162	100		
164	63.9	46.0	86.0
98	31.4	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
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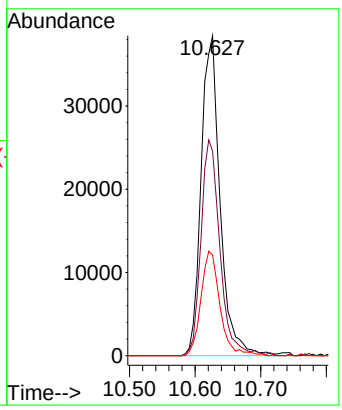
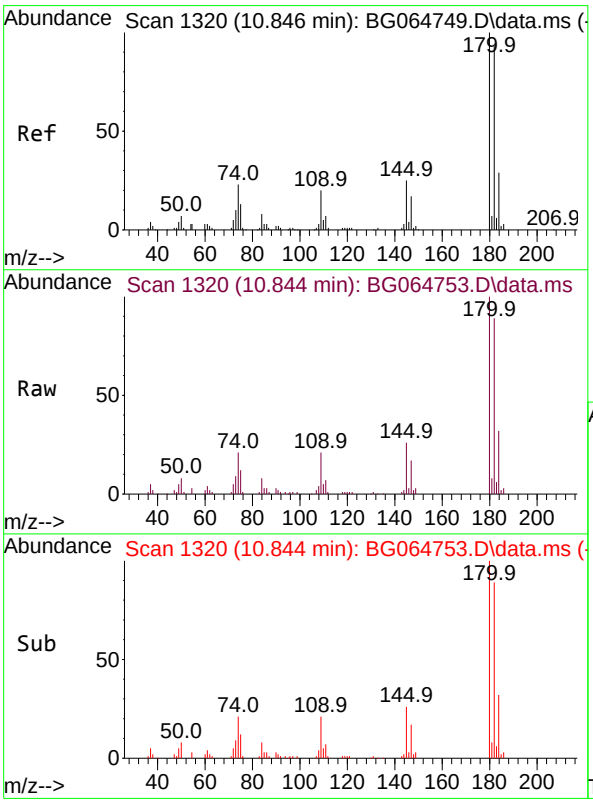
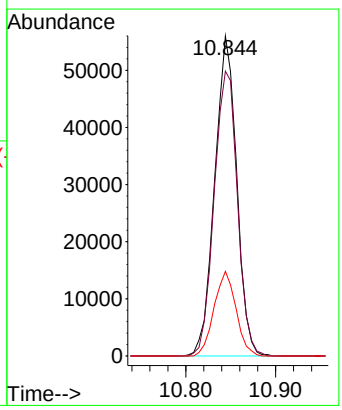


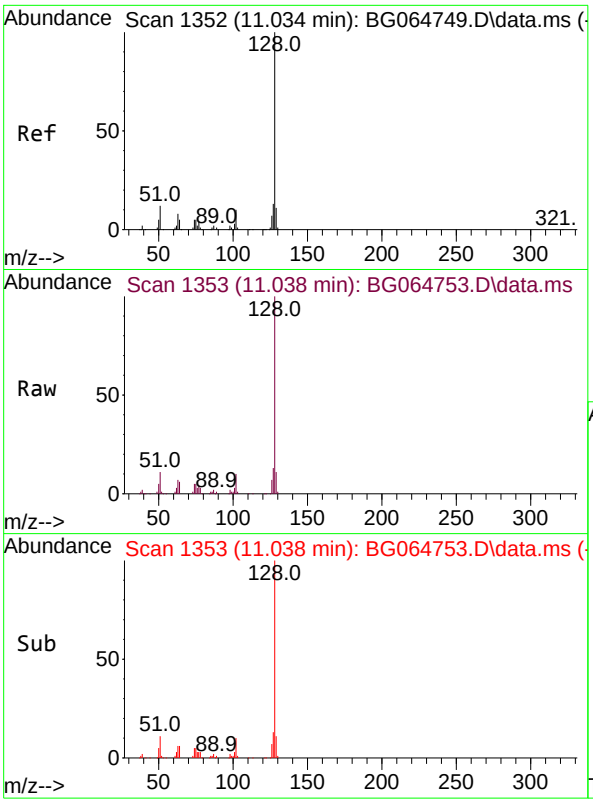


#30
1,2,4-Trichlorobenzene
Concen: 33.988 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:180 Resp: 95519

Ion	Ratio	Lower	Upper
180	100		
182	89.0	74.2	111.4
145	26.4	20.0	30.0





#31
Naphthalene
Concen: 31.383 ng
RT: 11.038 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:128 Resp: 23616

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.2	10.6	16.0

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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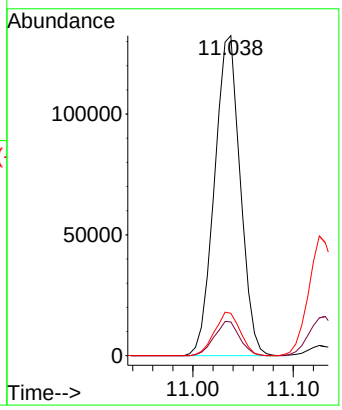
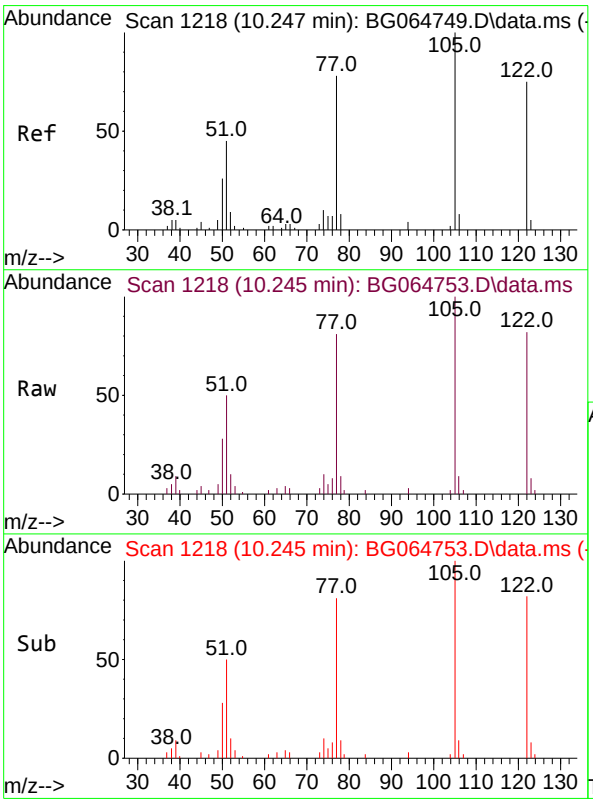
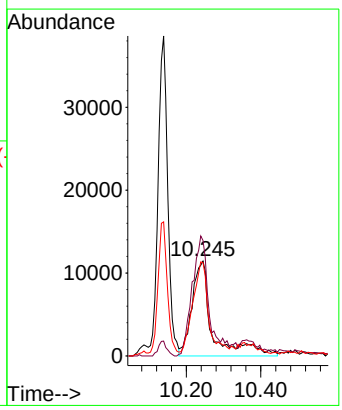


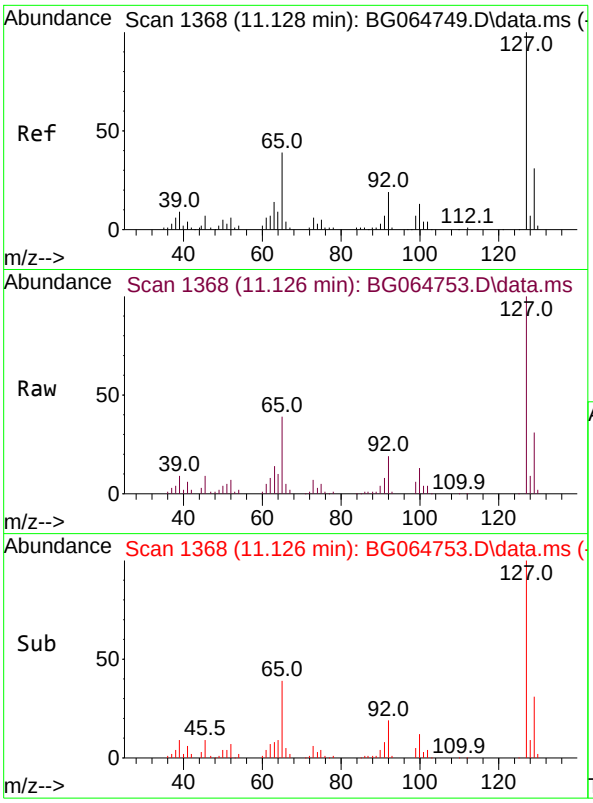


#32
Benzoic acid
Concen: 30.681 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:122 Resp: 43241

Ion	Ratio	Lower	Upper
122	100		
105	121.7	107.6	147.6
77	98.4	82.5	122.5

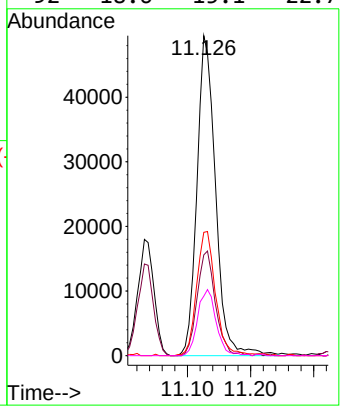




#33
4-Chloroaniline
Concen: 33.639 ng
RT: 11.126 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:127 Resp: 10126

Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.9	37.3
65	38.5	30.9	46.3
92	18.6	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
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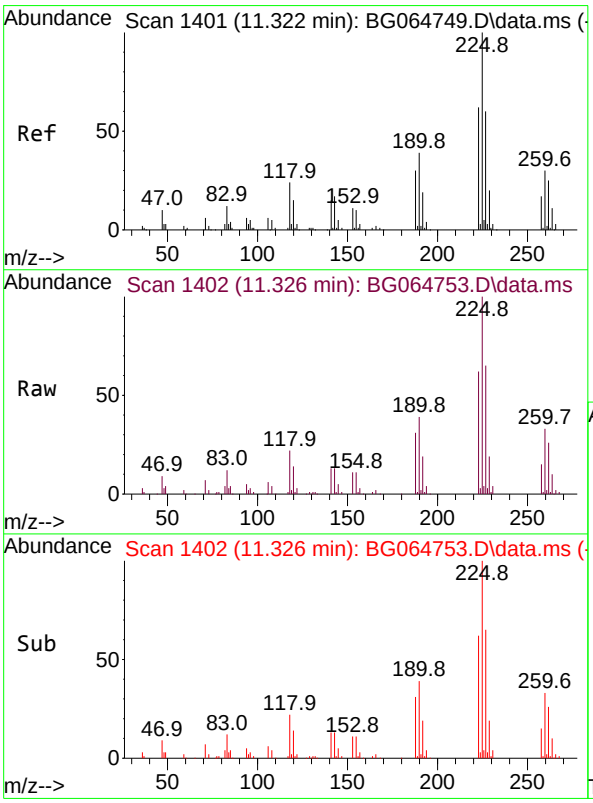
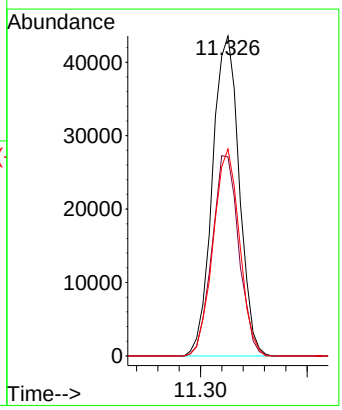
Supervised By :Sohil Jodhani 11/14/2025

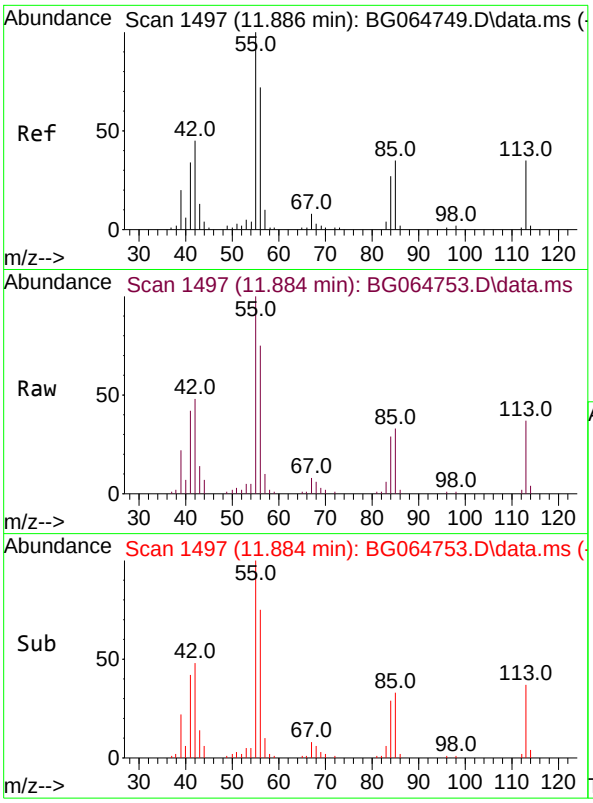


#34
Hexachlorobutadiene
Concen: 31.513 ng
RT: 11.326 min Scan# 1402
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:225 Resp: 75988

Ion	Ratio	Lower	Upper
225	100		
223	59.6	49.9	74.9
227	62.0	50.6	75.8

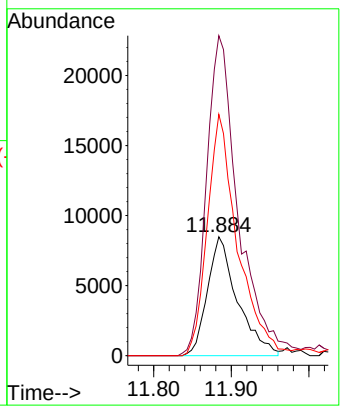




#35
Caprolactam
Concen: 32.854 ng
RT: 11.884 min Scan# 14
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:113 Resp: 2287

Ion	Ratio	Lower	Upper
113	100		
55	269.5	263.7	303.7
56	203.1	184.0	224.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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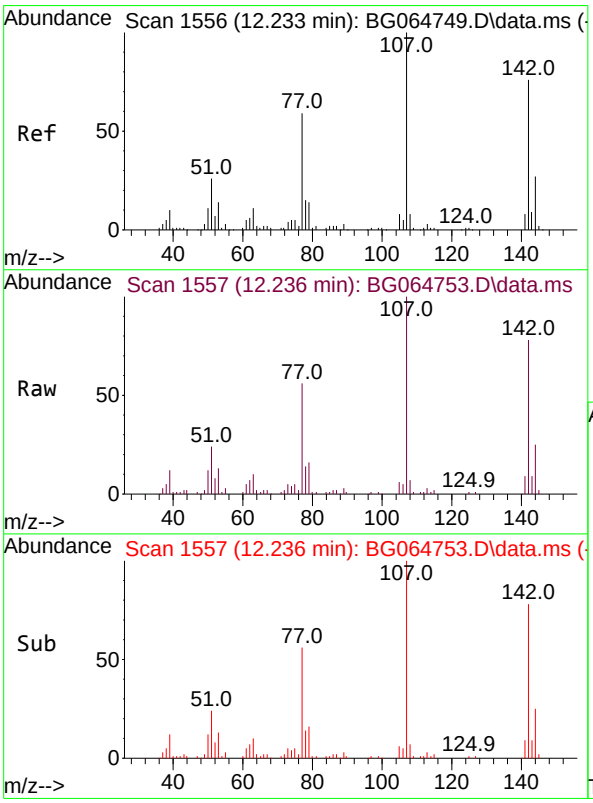
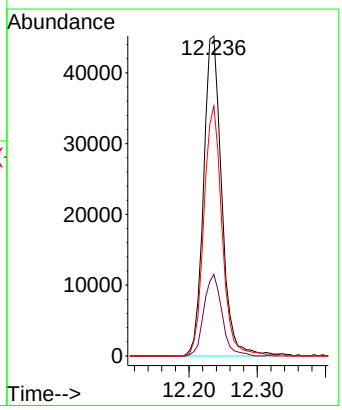
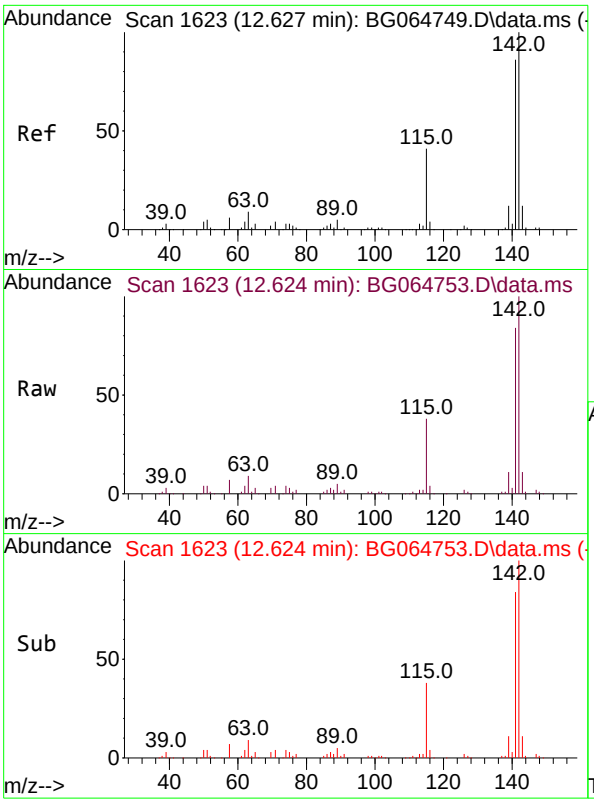


#36
4-Chloro-3-methylphenol
Concen: 32.195 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:107 Resp: 83400

Ion	Ratio	Lower	Upper
107	100		
144	25.4	21.7	32.5
142	78.1	60.8	91.2

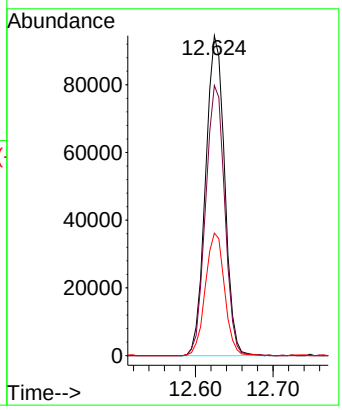




#37
2-Methylnaphthalene
Concen: 28.612 ng
RT: 12.624 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:142 Resp: 16112

Ion	Ratio	Lower	Upper
142	100		
141	84.4	69.1	103.7
115	38.3	32.9	49.3



Instrument :
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ClientSampleId :
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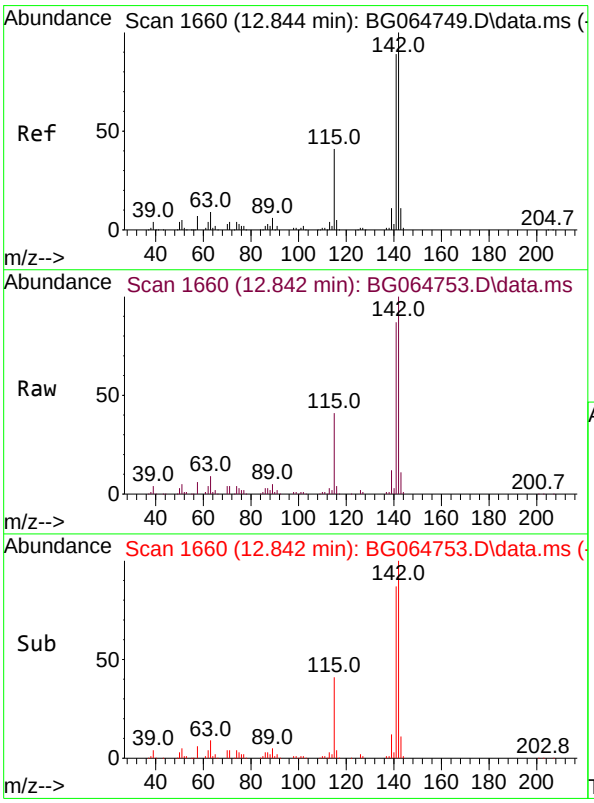
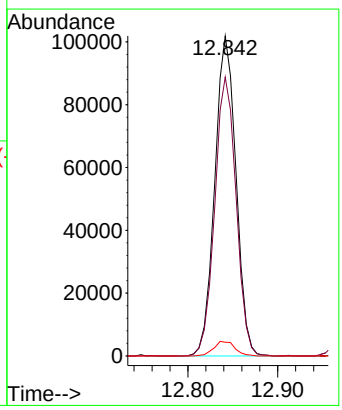
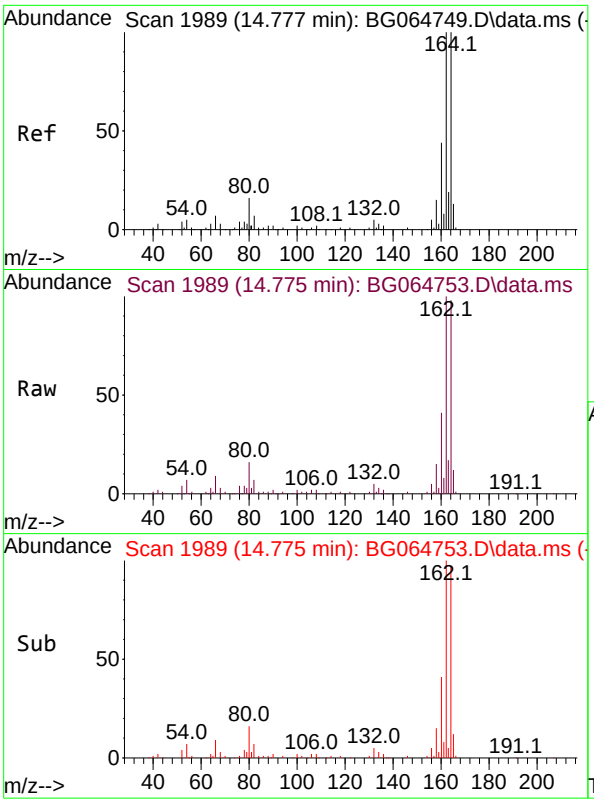


#38
1-Methylnaphthalene
Concen: 30.038 ng
RT: 12.842 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:142 Resp: 168025

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.8	106.2
116	4.3	3.7	5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:164 Resp: 10940

Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.8	119.6
160	41.7	34.9	52.3

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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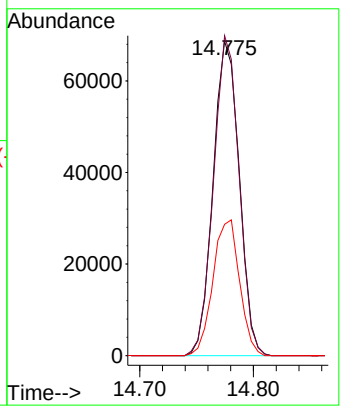
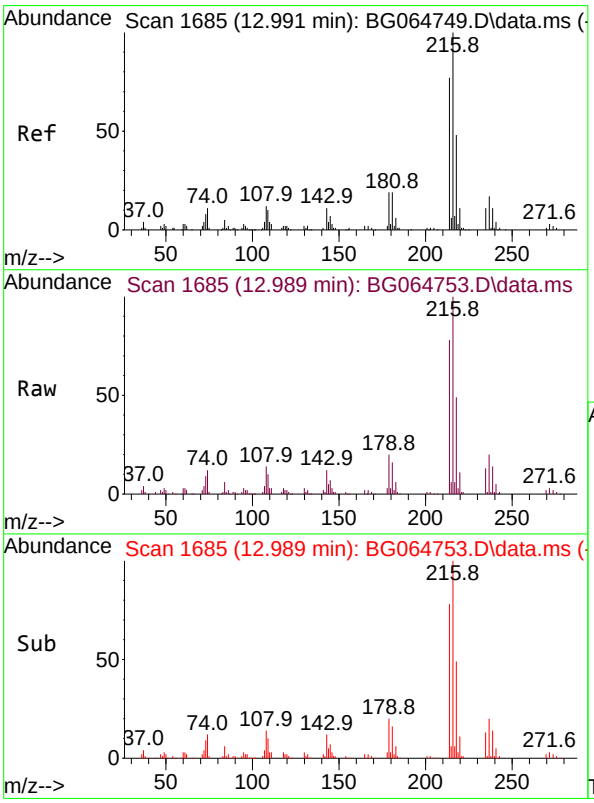
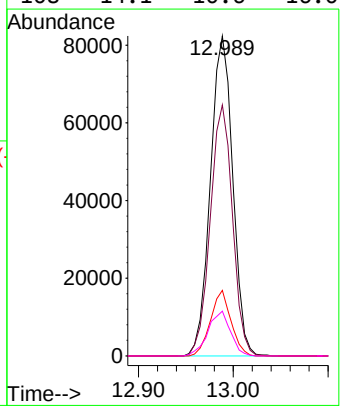


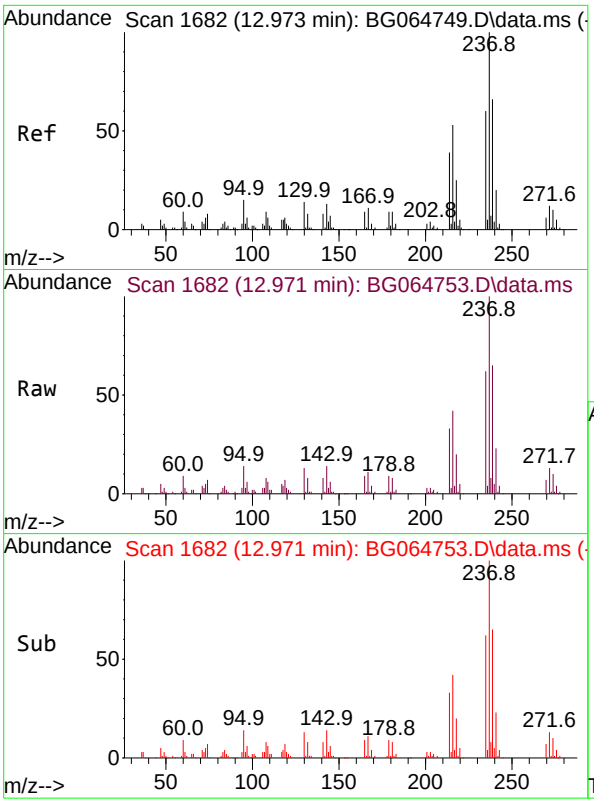


#40
1,2,4,5-Tetrachlorobenzene
Concen: 31.686 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:216 Resp: 134917

Ion	Ratio	Lower	Upper
216	100		
214	77.8	60.5	90.7
179	18.8	14.7	22.1
108	14.1	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 30.647 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:237 Resp: 9353

Ion	Ratio	Lower	Upper
237	100		
235	61.9	40.2	80.2
272	12.9	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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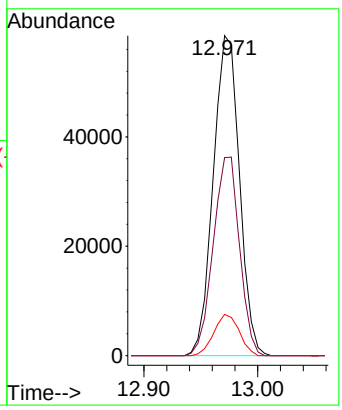
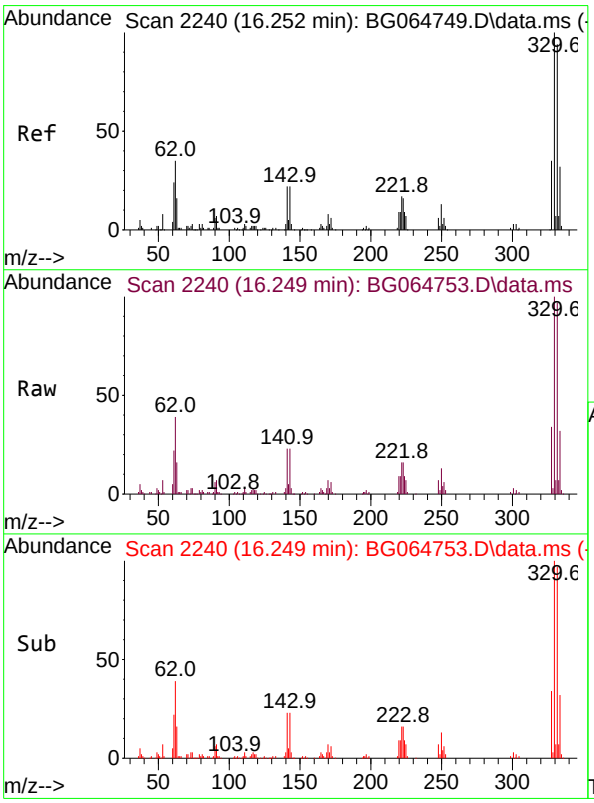
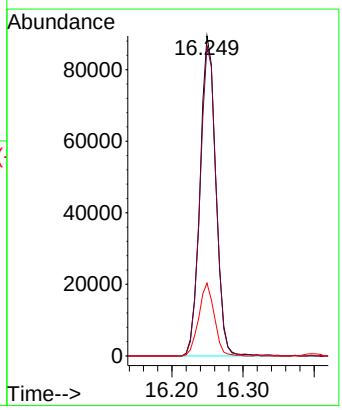


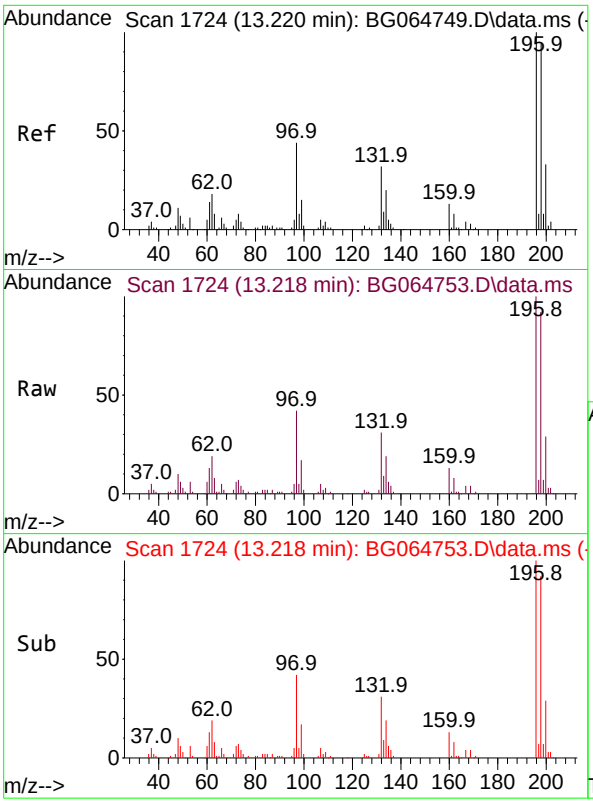


#42
2,4,6-Tribromophenol
Concen: 64.162 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:330 Resp: 136910

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	22.4	18.2	27.2

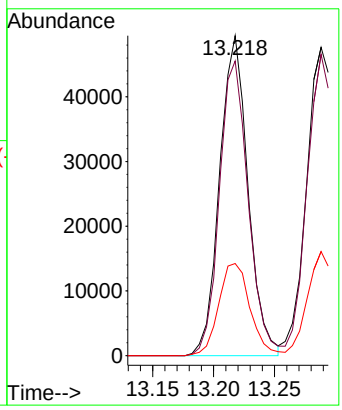




#43
2,4,6-Trichlorophenol
Concen: 32.039 ng
RT: 13.218 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:196 Resp: 8006

Ion	Ratio	Lower	Upper
196	100		
198	92.1	75.3	112.9
200	28.8	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
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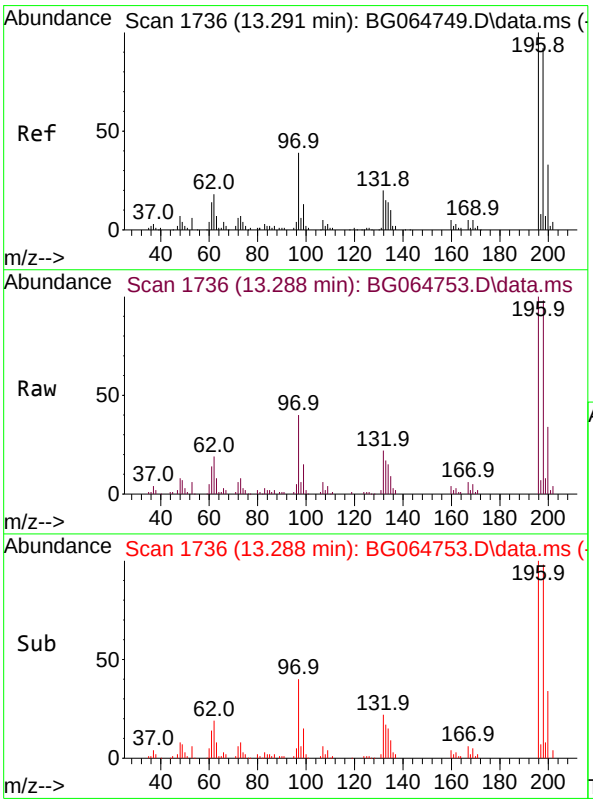
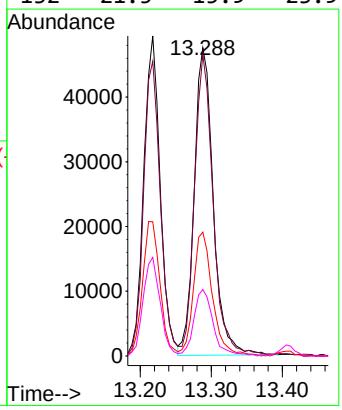
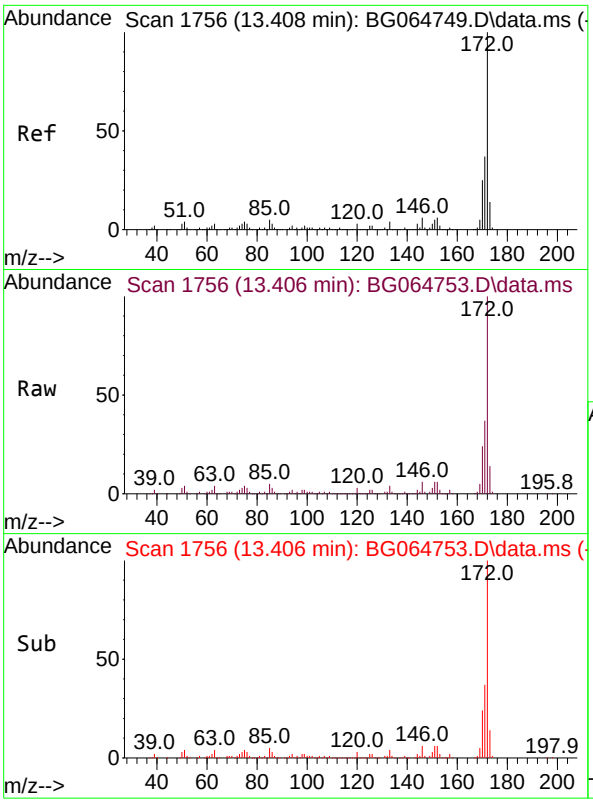


#44
2,4,5-Trichlorophenol
Concen: 31.528 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:196 Resp: 88366

Ion	Ratio	Lower	Upper
196	100		
198	97.7	73.2	109.8
97	40.2	31.4	47.0
132	21.5	15.9	23.9

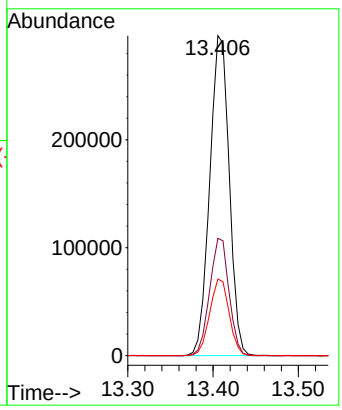




#45
2-Fluorobiphenyl
Concen: 59.990 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:172 Resp: 47038

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	23.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
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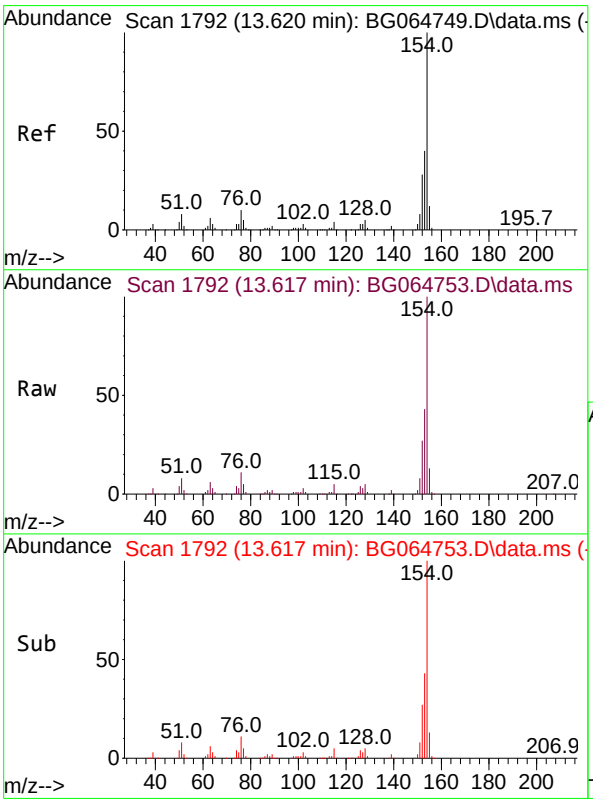
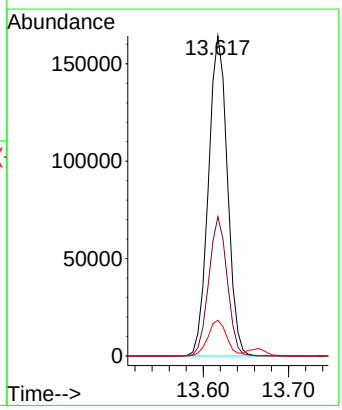
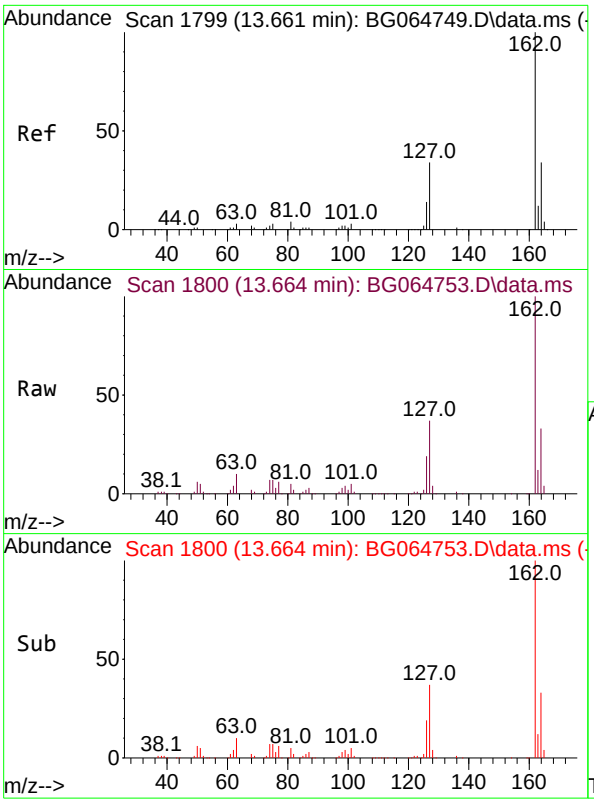


#46
1,1'-Biphenyl
Concen: 32.265 ng
RT: 13.617 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:154 Resp: 253543

Ion	Ratio	Lower	Upper
154	100		
153	43.5	19.8	59.8
76	11.1	0.0	30.0

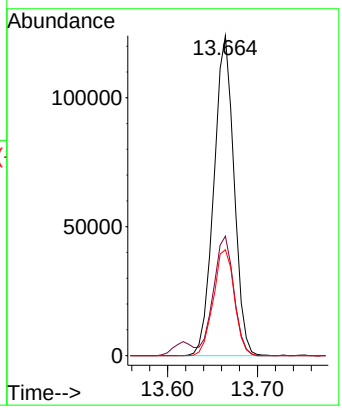




#47
2-Chloronaphthalene
Concen: 31.173 ng
RT: 13.664 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:162 Resp: 192989

Ion	Ratio	Lower	Upper
162	100		
127	37.4	30.3	45.5
164	33.1	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
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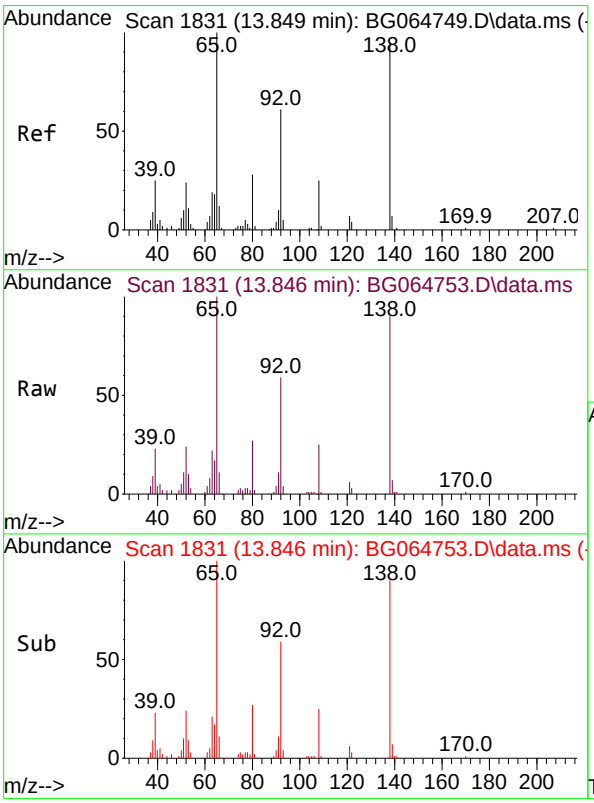
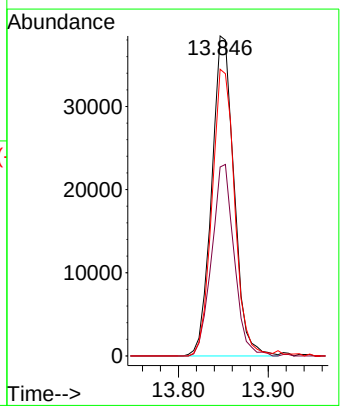
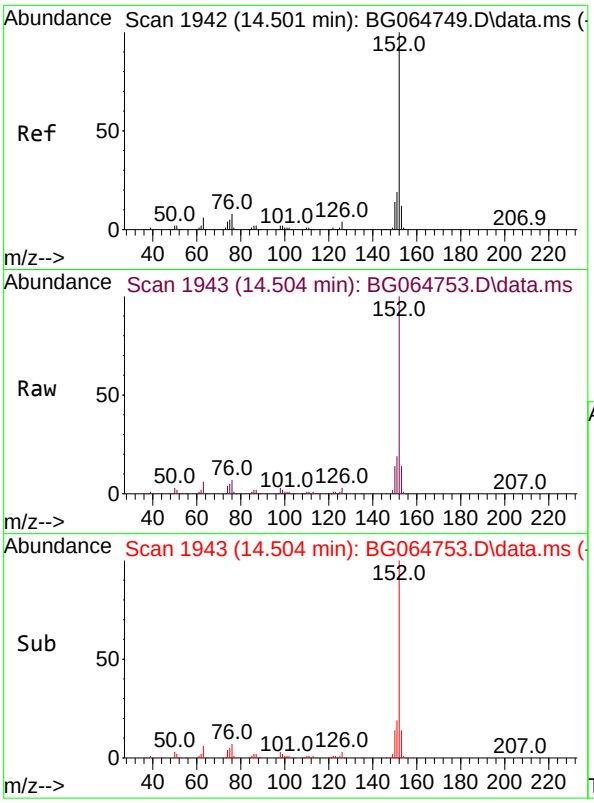


#48
2-Nitroaniline
Concen: 33.514 ng
RT: 13.846 min Scan# 1831
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 65 Resp: 66734

Ion	Ratio	Lower	Upper
65	100		
92	59.0	48.6	73.0
138	89.6	76.4	114.6

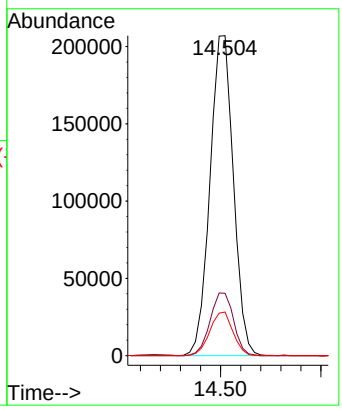




#49
Acenaphthylene
Concen: 31.779 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:152 Resp: 33610

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.0	22.4
153	13.6	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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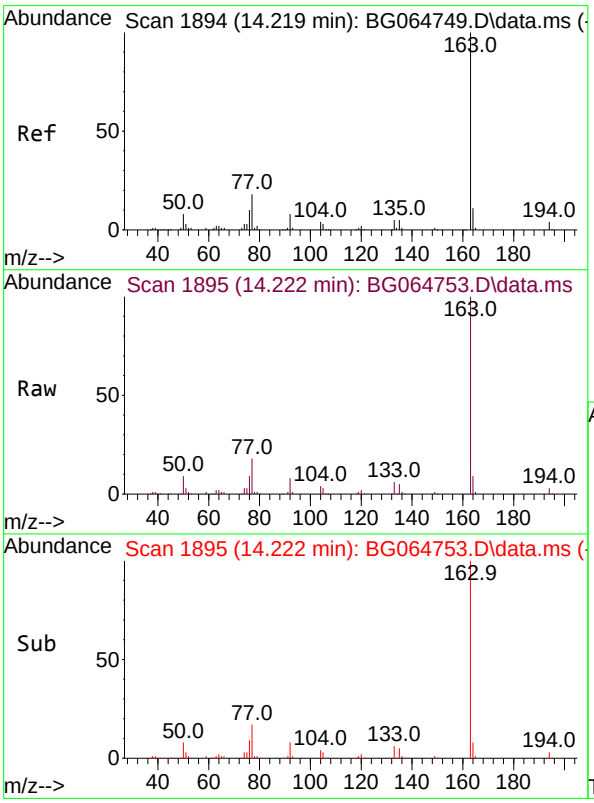
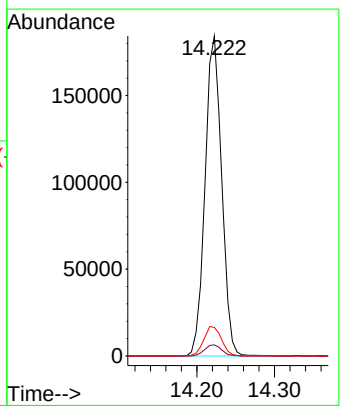
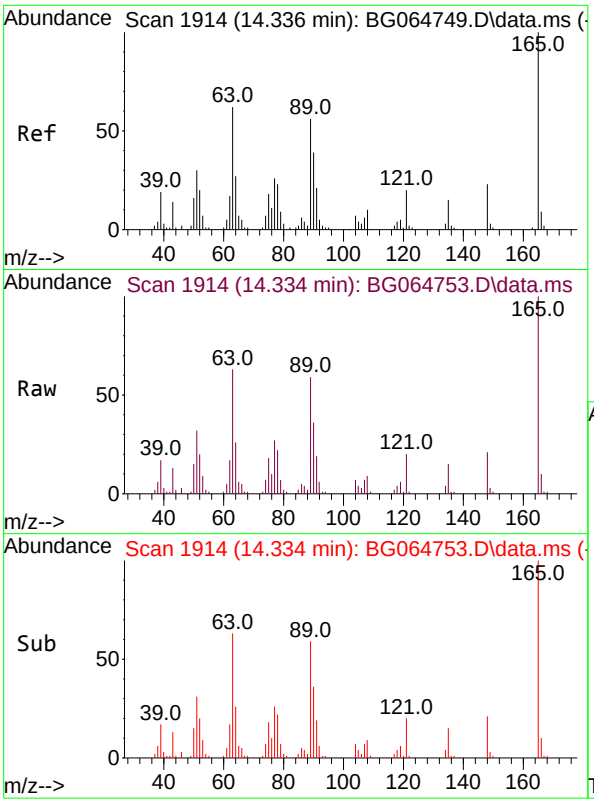


#50
Dimethylphthalate
Concen: 31.689 ng
RT: 14.222 min Scan# 1895
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:163 Resp: 273873

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	8.9	8.6	12.8

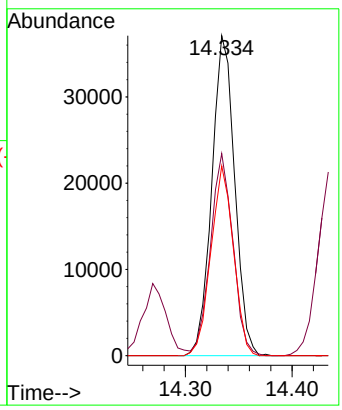




#51
2,6-Dinitrotoluene
Concen: 33.291 ng
RT: 14.334 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:165 Resp: 5536

Ion	Ratio	Lower	Upper
165	100		
63	63.1	49.8	74.8
89	59.3	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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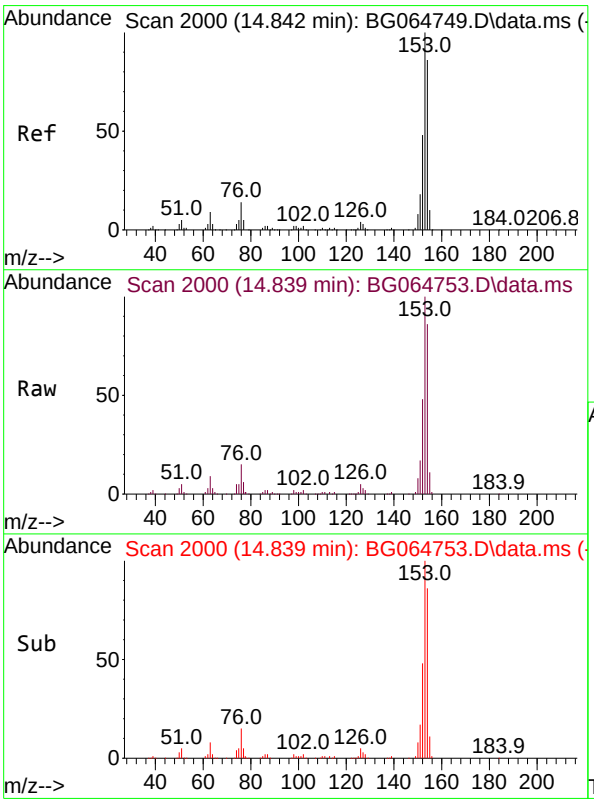
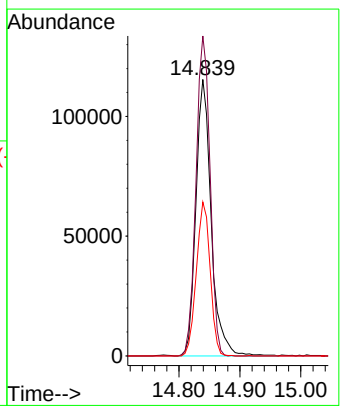
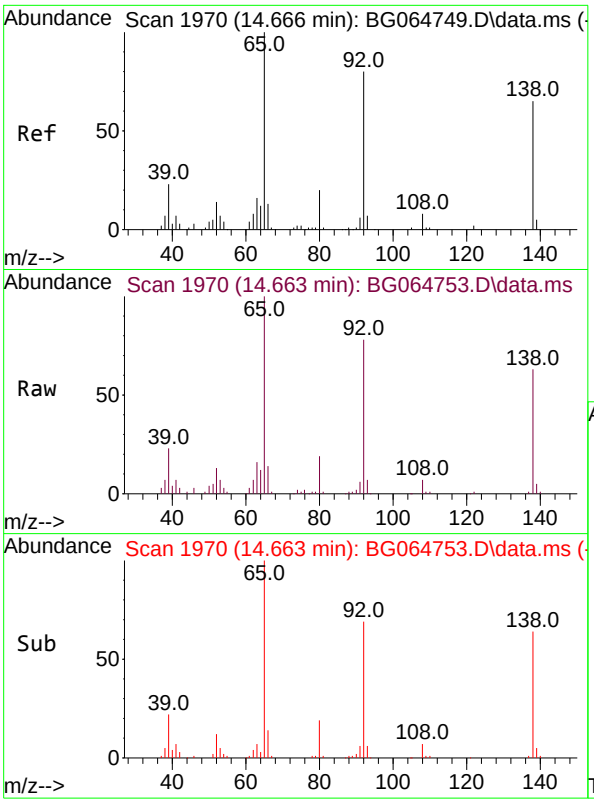


#52
Acenaphthene
Concen: 31.693 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:154 Resp: 200981

Ion	Ratio	Lower	Upper
154	100		
153	115.8	93.0	139.4
152	55.6	44.4	66.6





#53
3-Nitroaniline
Concen: 33.908 ng
RT: 14.663 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:138 Resp: 5565

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.5	14.3
92	122.7	99.0	148.4

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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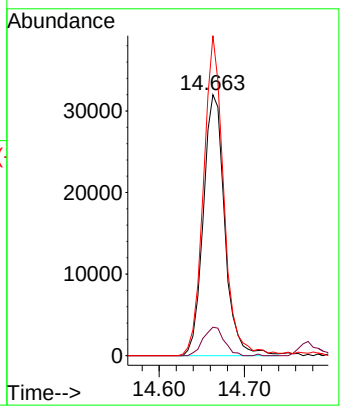
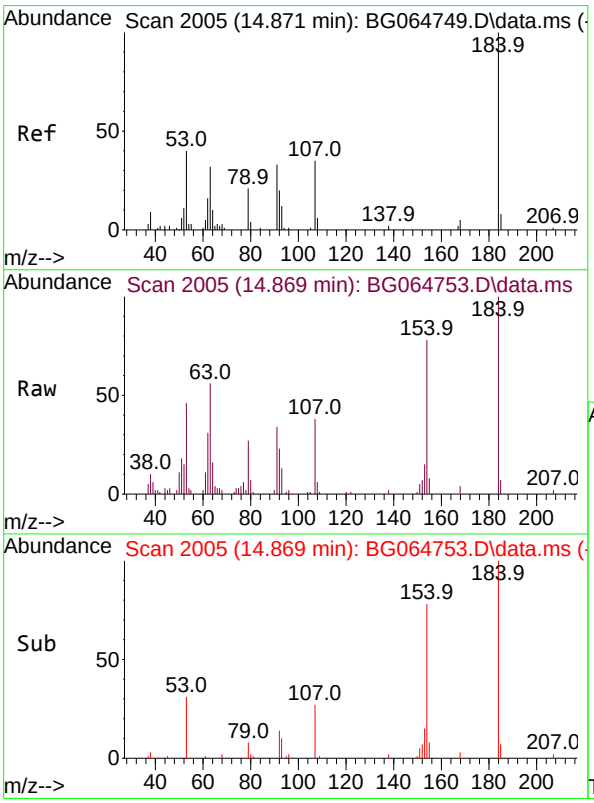
Supervised By :Sohil Jodhani 11/14/2025

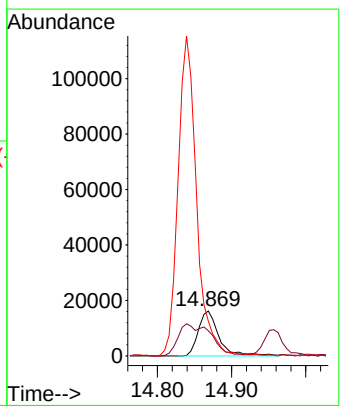


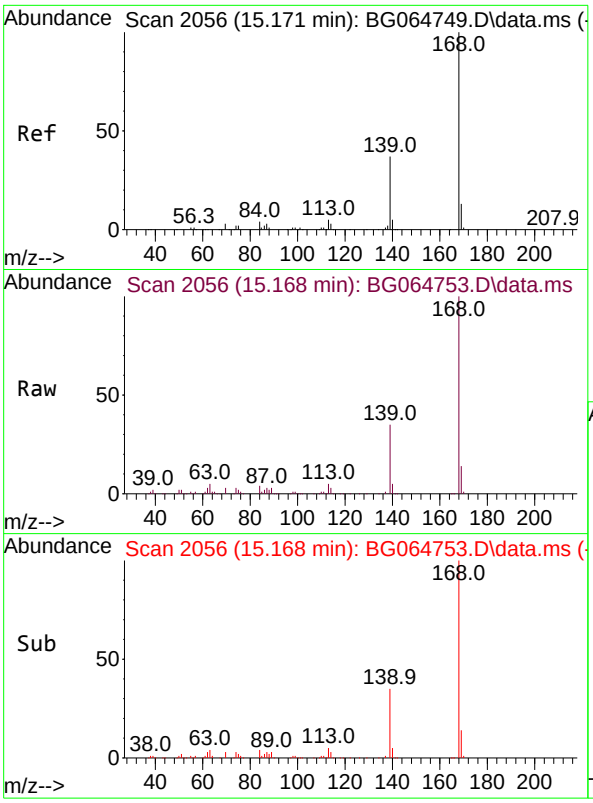


#54
2,4-Dinitrophenol
Concen: 32.871 ng
RT: 14.869 min Scan# 2005
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:184 Resp: 30993

Ion	Ratio	Lower	Upper
184	100		
63	56.3	45.8	68.6
154	77.9	52.6	78.8

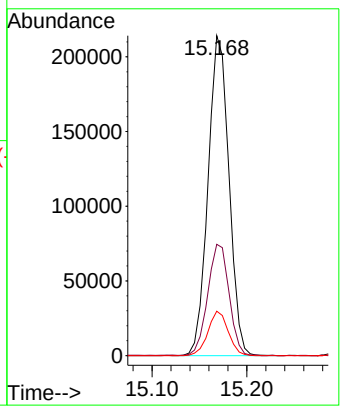




#55
Dibenzofuran
Concen: 31.341 ng
RT: 15.168 min Scan# 20
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:168 Resp: 32857

Ion	Ratio	Lower	Upper
168	100		
139	34.8	29.5	44.3
169	13.9	10.4	15.6



Instrument :
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ClientSampleId :
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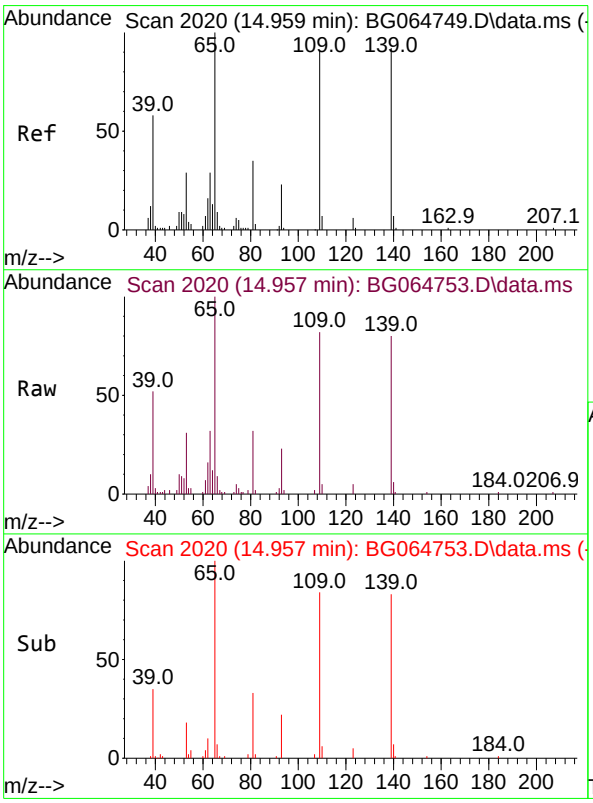
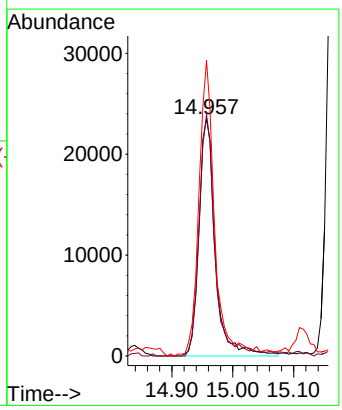
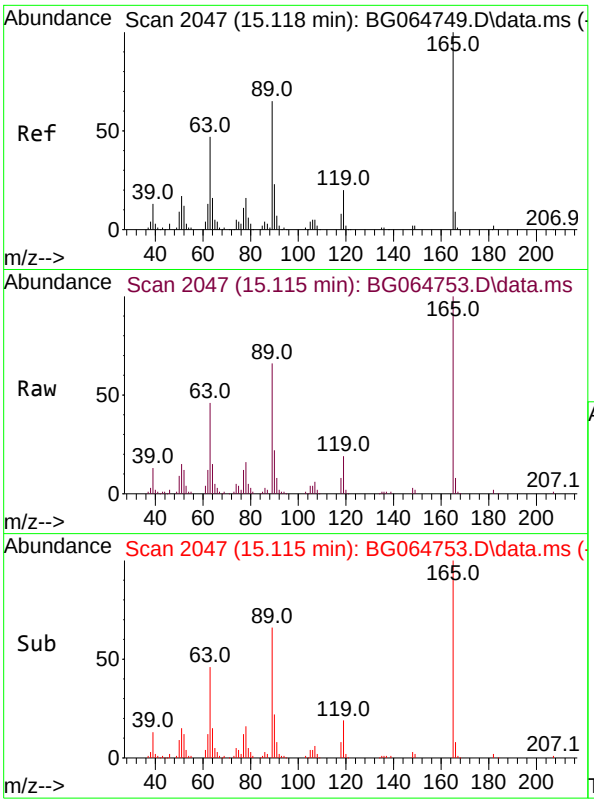


#56
4-Nitrophenol
Concen: 33.387 ng
RT: 14.957 min Scan# 2020
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:139 Resp: 43480

Ion	Ratio	Lower	Upper
139	100		
109	102.0	79.7	119.7
65	124.7	89.9	129.9

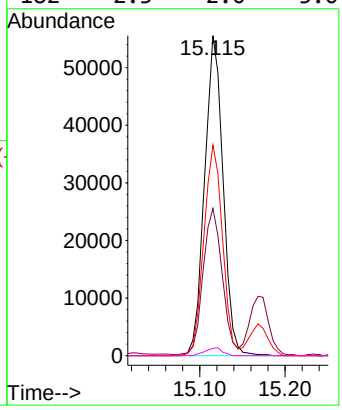




#57
2,4-Dinitrotoluene
Concen: 33.468 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:165 Resp: 8344

Ion	Ratio	Lower	Upper
165	100		
63	46.0	37.8	56.6
89	65.8	51.6	77.4
182	2.3	2.0	3.0



Instrument :
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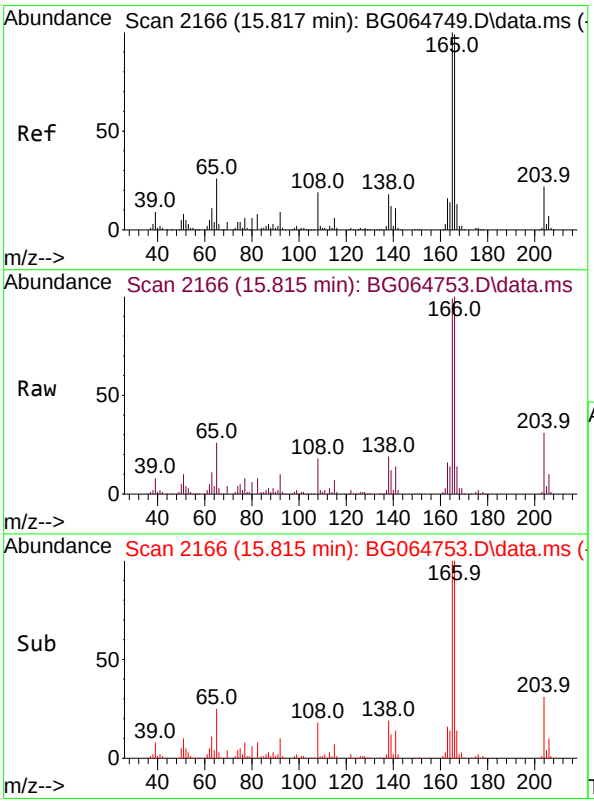
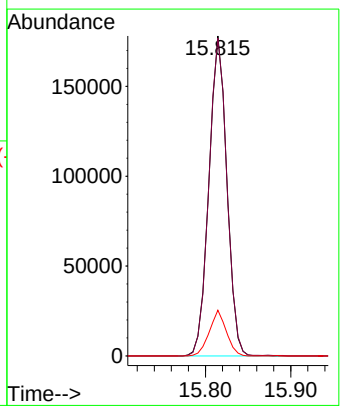
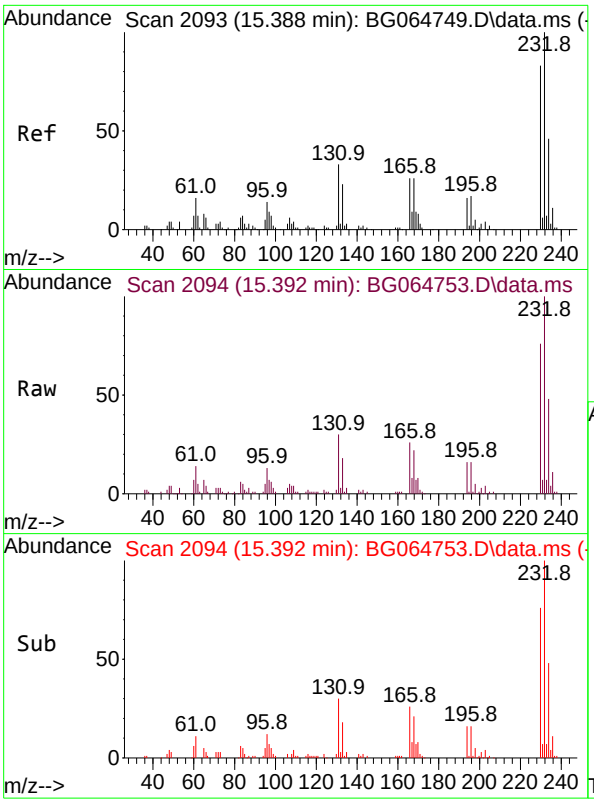


#58
Fluorene
Concen: 31.633 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:166 Resp: 260110

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.5	120.7
167	14.3	10.3	15.5

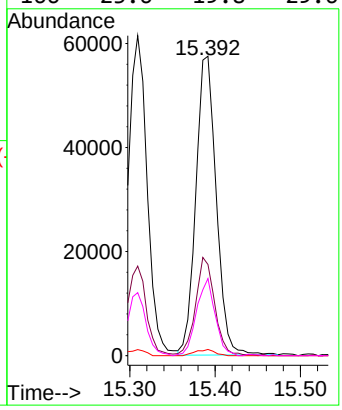




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.475 ng
RT: 15.392 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:232 Resp: 9533

Ion	Ratio	Lower	Upper
232	100		
131	30.9	26.0	39.0
130	1.9	1.6	2.4
166	23.6	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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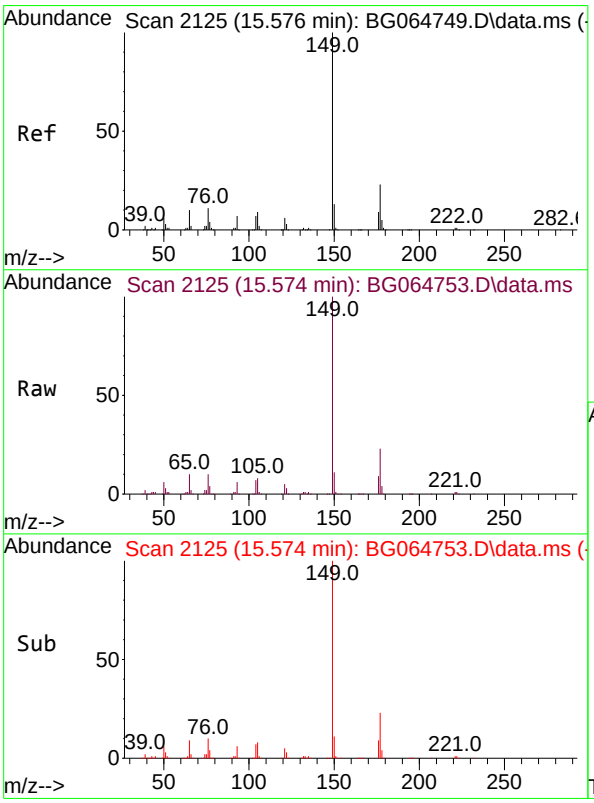
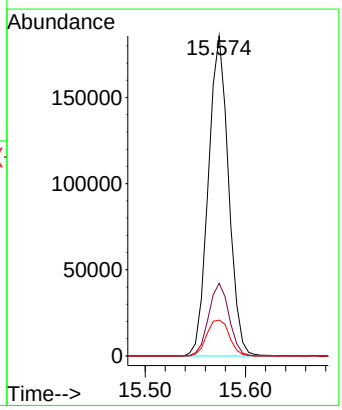
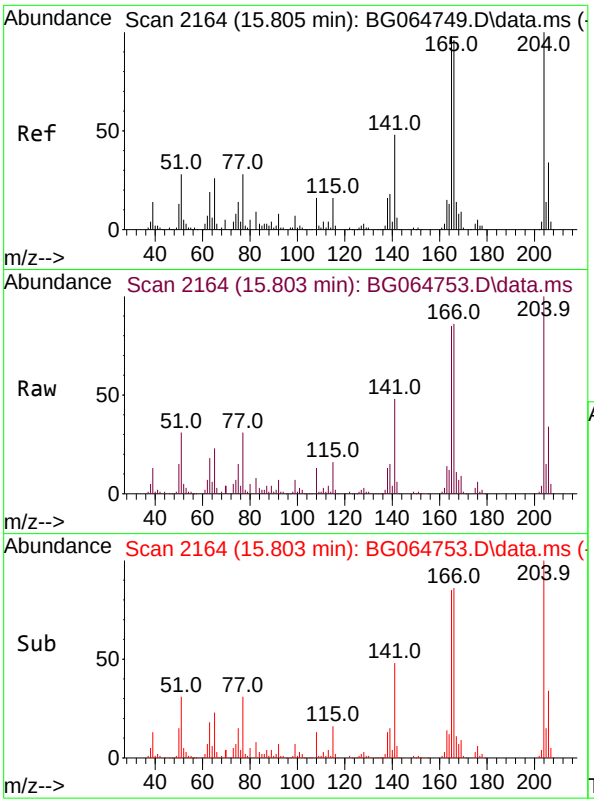


#60
Diethylphthalate
Concen: 31.411 ng
RT: 15.574 min Scan# 2125
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 260062

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	11.2	10.1	15.1

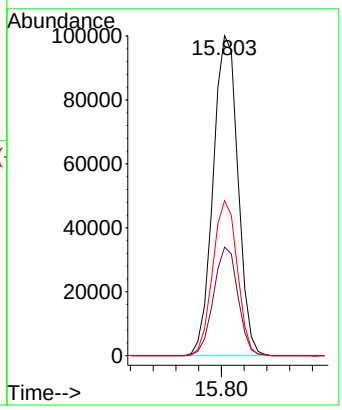




#61
4-Chlorophenyl-phenylether
Concen: 30.654 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:204 Resp: 15126

Ion	Ratio	Lower	Upper
204	100		
206	33.9	26.9	40.3
141	48.4	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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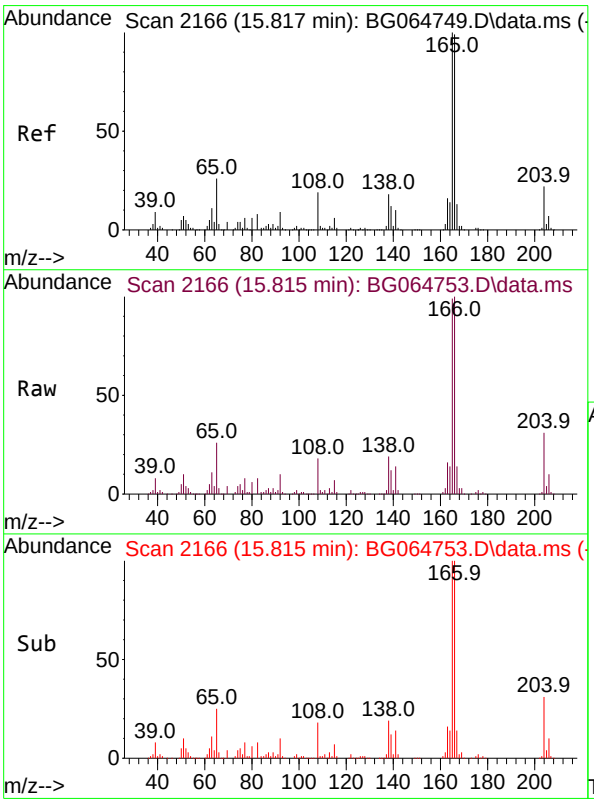
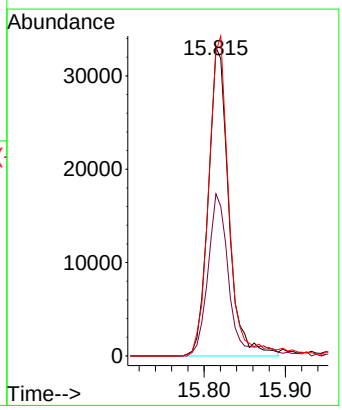
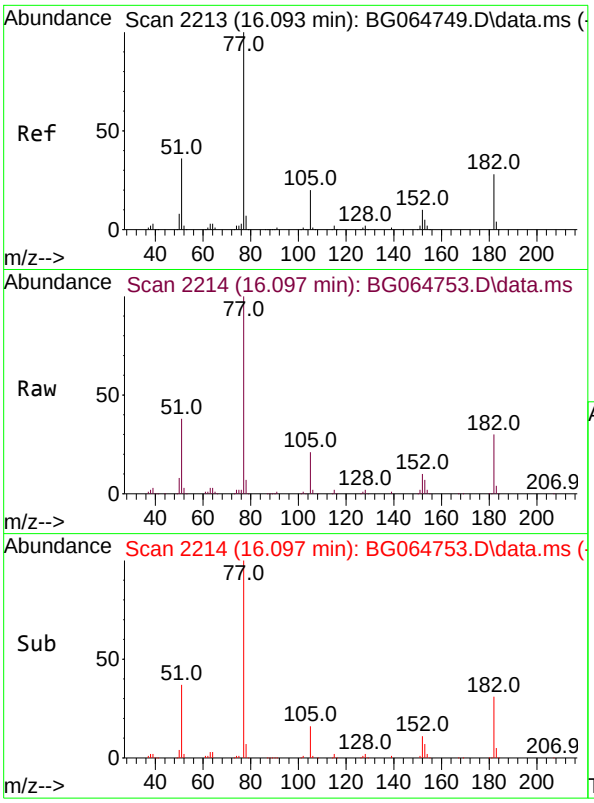


#62
4-Nitroaniline
Concen: 33.761 ng
RT: 15.815 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:138 Resp: 57409

Ion	Ratio	Lower	Upper
138	100		
92	52.5	30.7	70.7
108	98.7	85.7	125.7

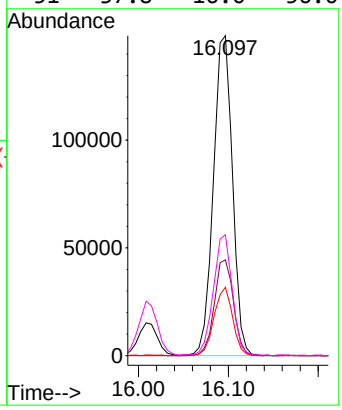




#63
Azobenzene
Concen: 31.929 ng
RT: 16.097 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion: 77 Resp: 21987

Ion	Ratio	Lower	Upper
77	100		
182	29.9	8.1	48.1
105	21.4	0.1	40.1
51	37.8	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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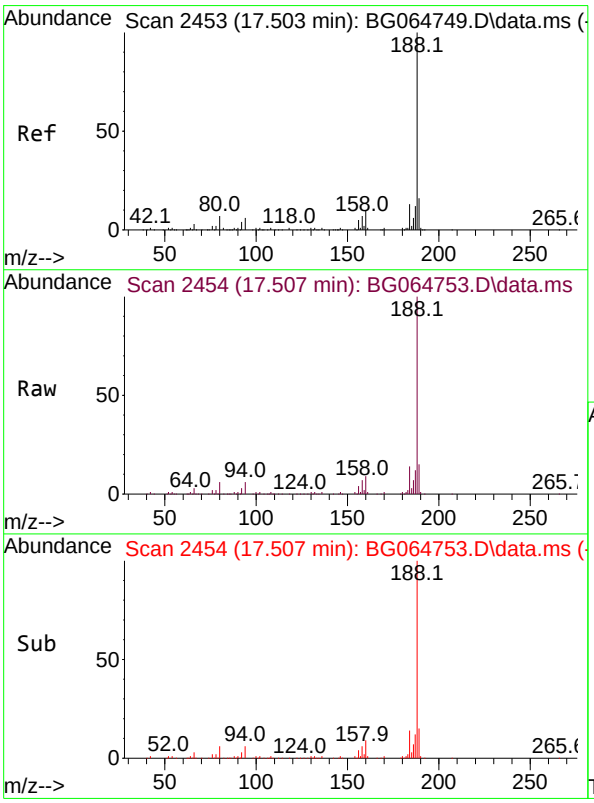
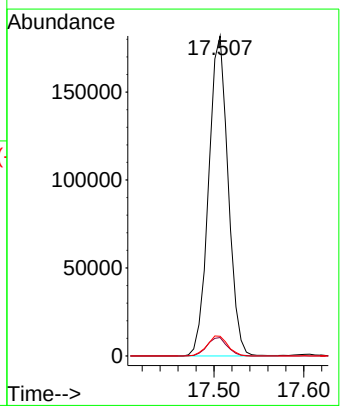
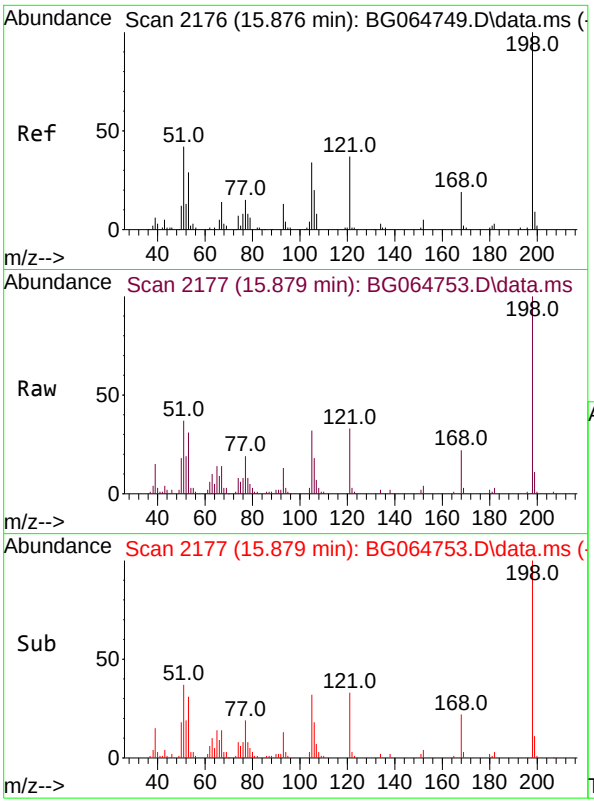


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.507 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:188 Resp: 274232

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.1	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 33.928 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:198 Resp: 5165

Ion	Ratio	Lower	Upper
198	100		
51	36.8	25.2	65.2
105	31.5	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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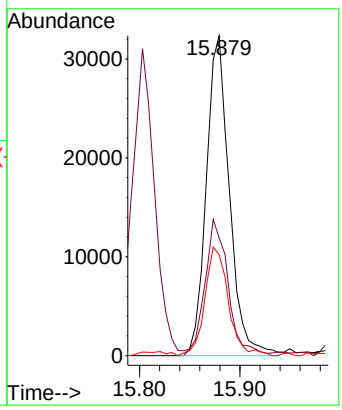
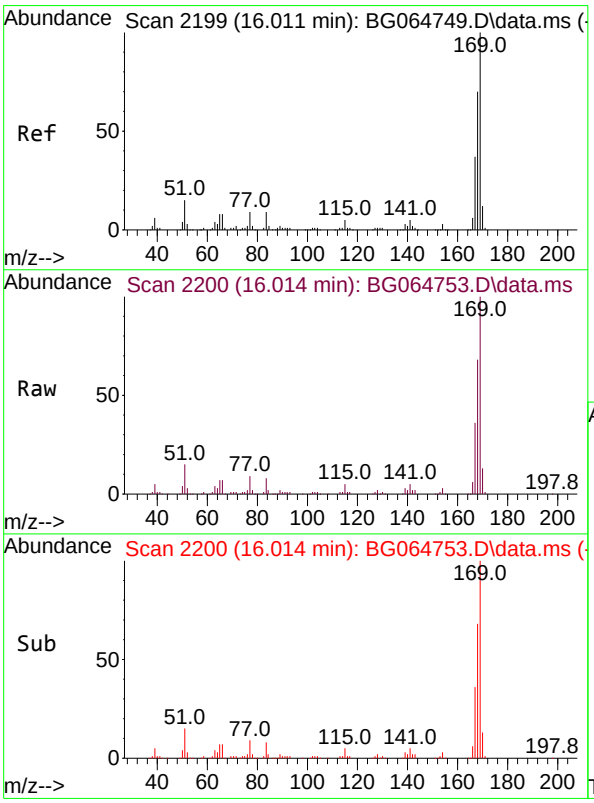
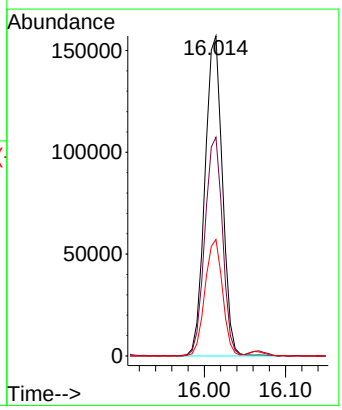


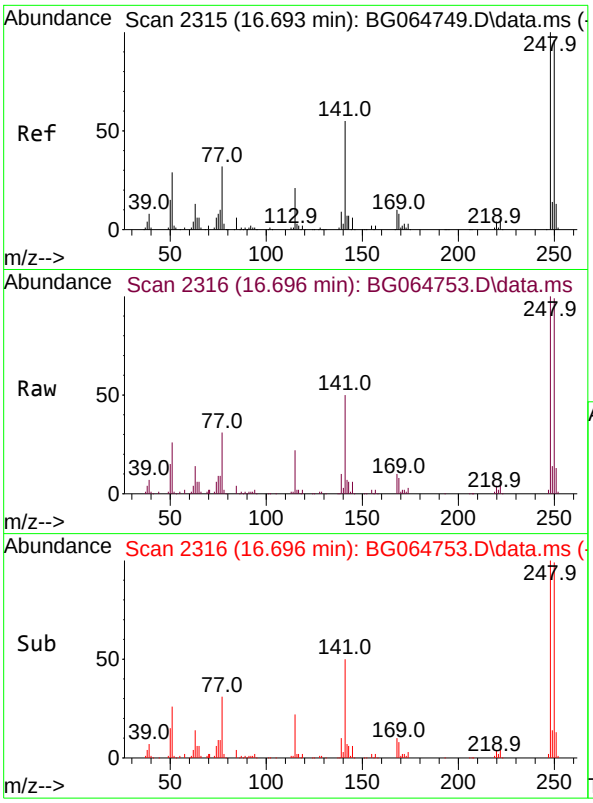


#66
n-Nitrosodiphenylamine
Concen: 32.679 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:169 Resp: 234732

Ion	Ratio	Lower	Upper
169	100		
168	68.3	55.9	83.9
167	36.4	29.8	44.6

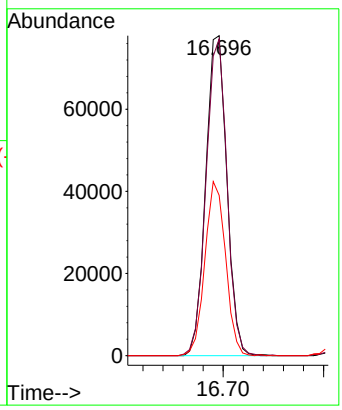




#67
4-Bromophenyl-phenylether
Concen: 31.573 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:248 Resp: 11370

Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.0	115.6
141	50.1	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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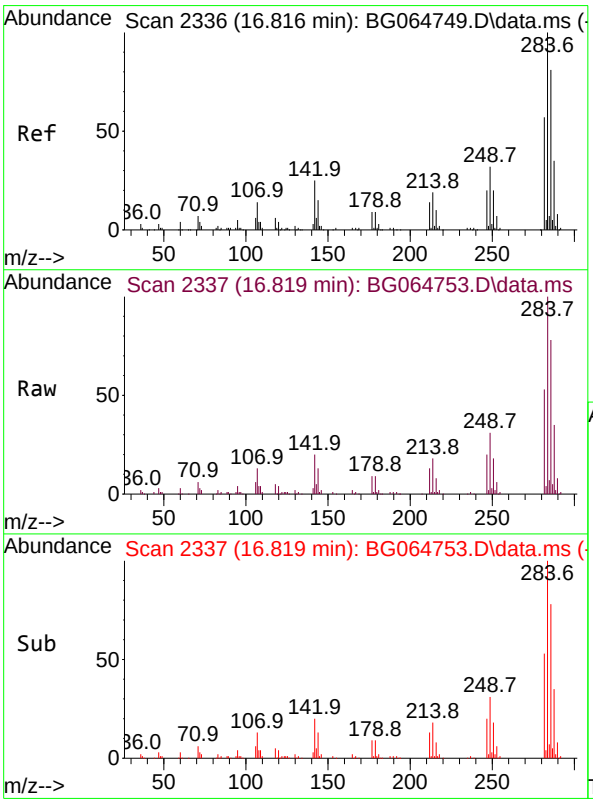
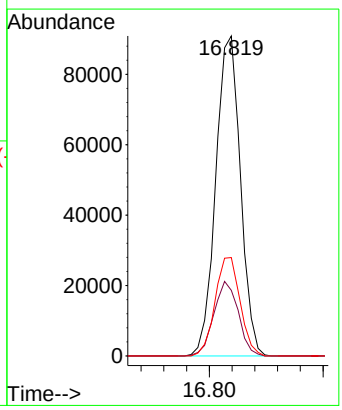
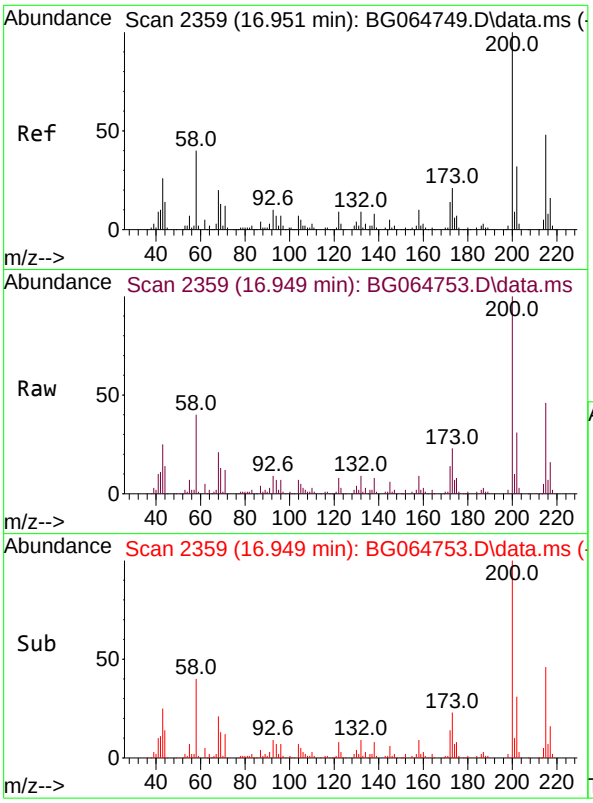


#68
Hexachlorobenzene
Concen: 31.349 ng
RT: 16.819 min Scan# 2337
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:284 Resp: 136782

Ion	Ratio	Lower	Upper
284	100		
142	20.5	19.7	29.5
249	33.5	28.1	42.1

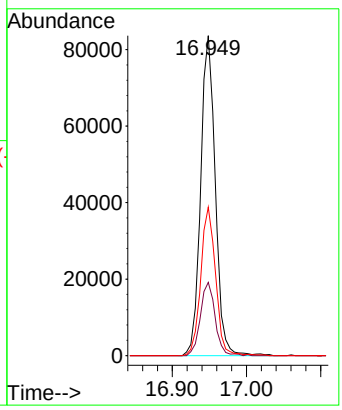




#69
Atrazine
Concen: 33.110 ng
RT: 16.949 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:200 Resp: 11466

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	46.4	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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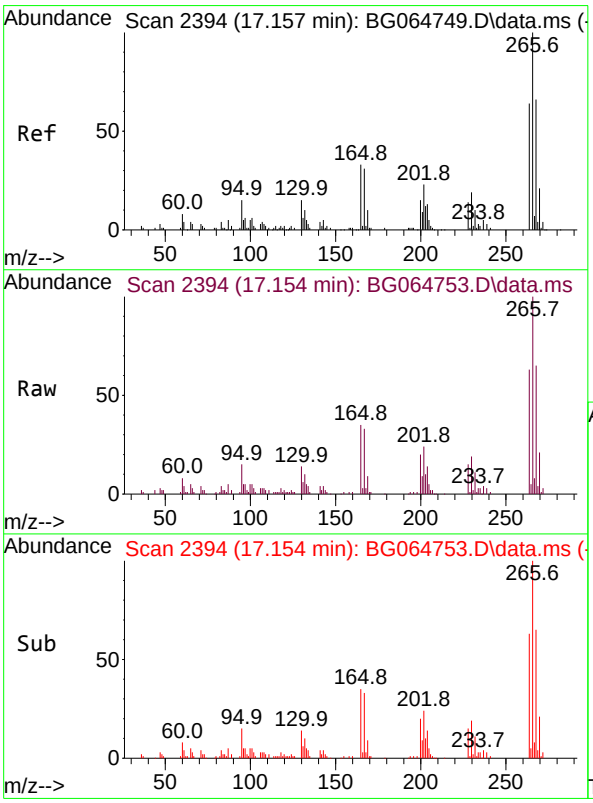
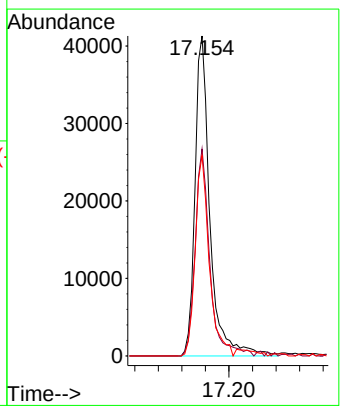
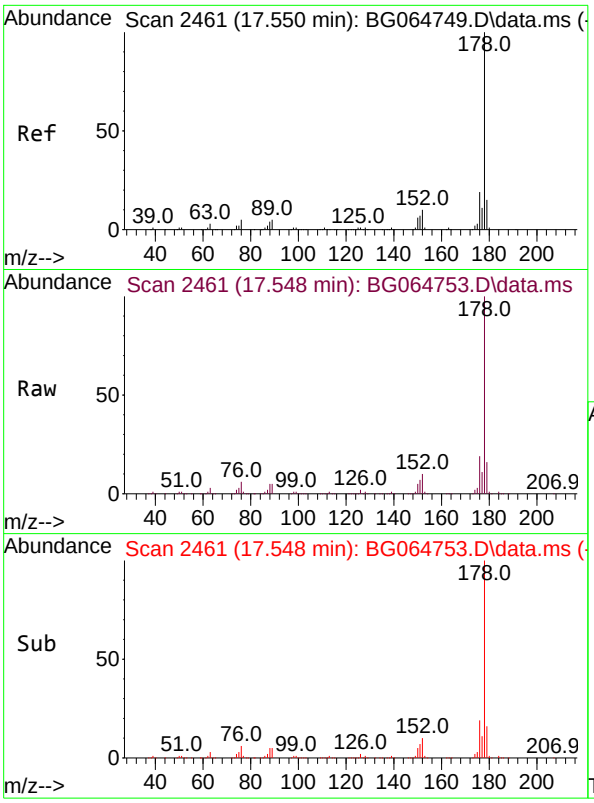


#70
Pentachlorophenol
Concen: 32.137 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:266 Resp: 72699

Ion	Ratio	Lower	Upper
266	100		
268	69.1	56.1	84.1
264	68.1	51.2	76.8

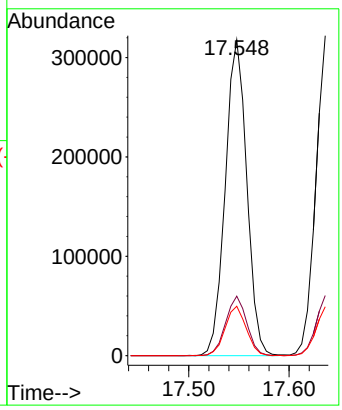




#71
Phenanthrene
Concen: 31.516 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:178 Resp: 472871

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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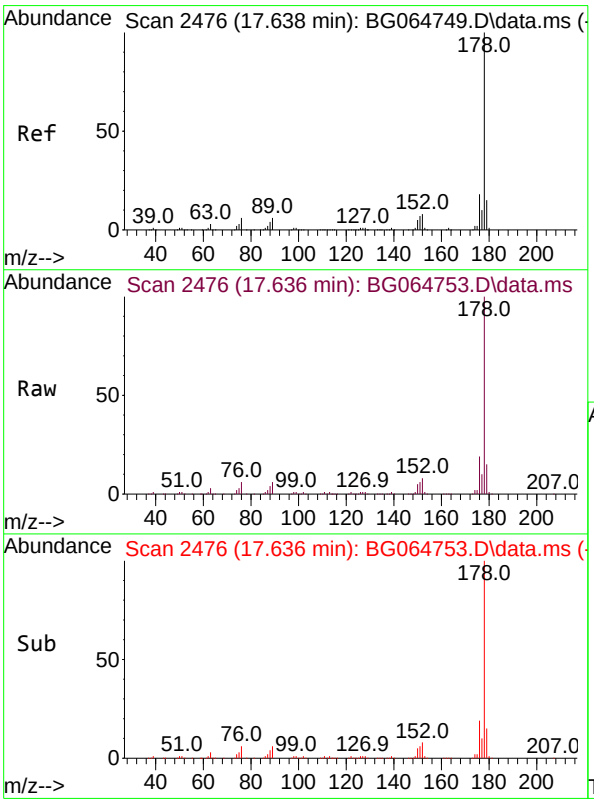
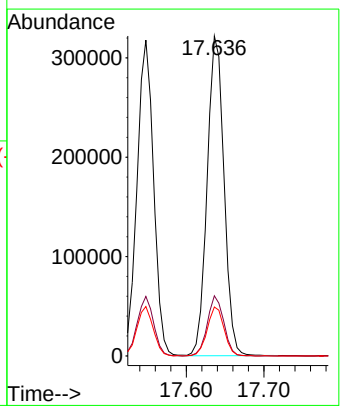
Supervised By :Sohil Jodhani 11/14/2025

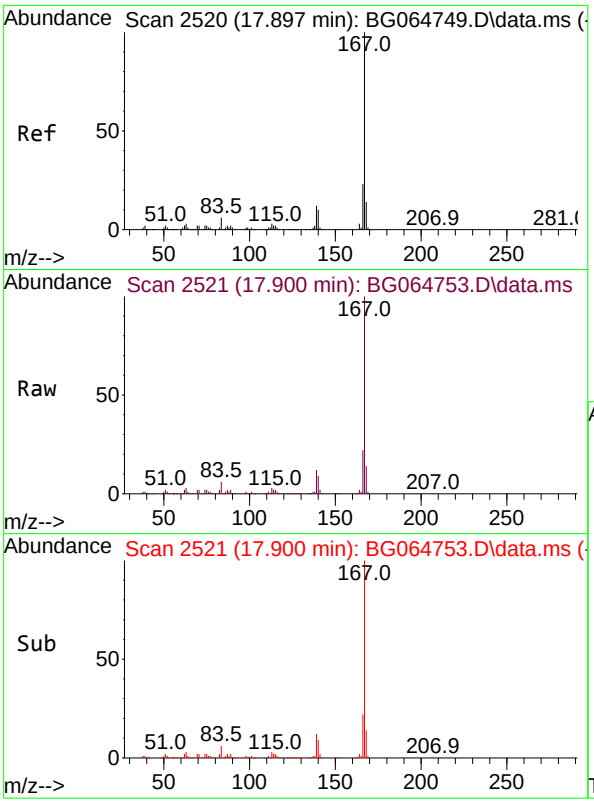


#72
Anthracene
Concen: 31.775 ng
RT: 17.636 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:178 Resp: 486138

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	15.3	12.2	18.4

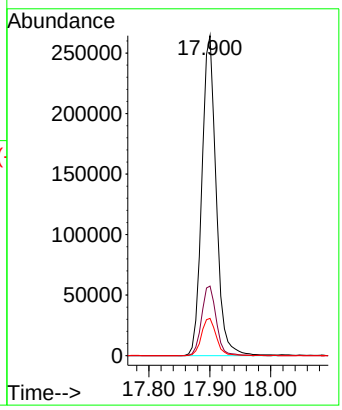




#73
Carbazole
Concen: 32.779 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:167 Resp: 43112

Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.0	27.0
139	11.6	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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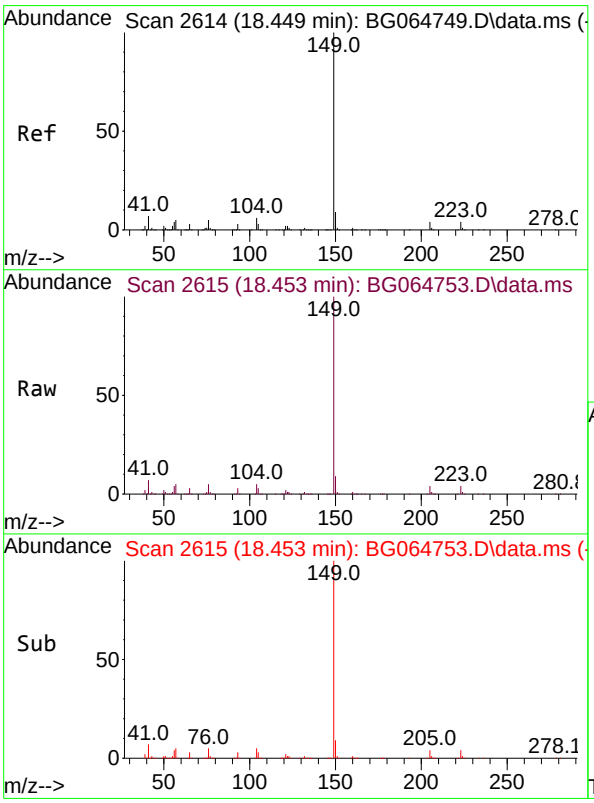
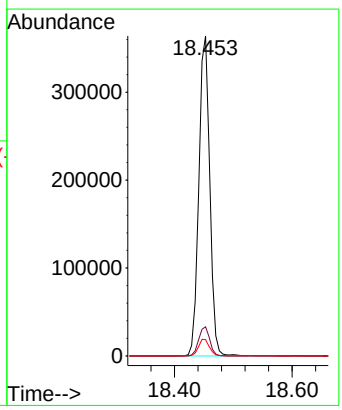
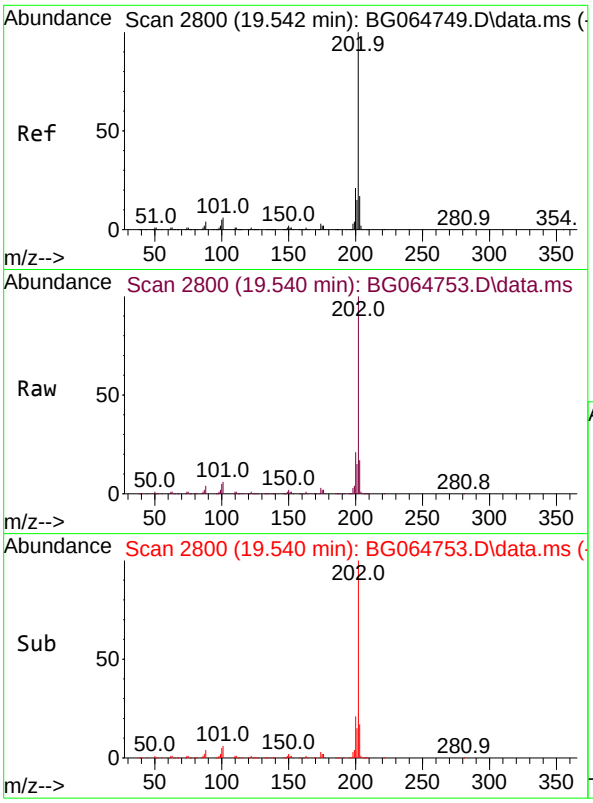


#74
Di-n-butylphthalate
Concen: 31.841 ng
RT: 18.453 min Scan# 2615
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 467217

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.1	4.4	6.6

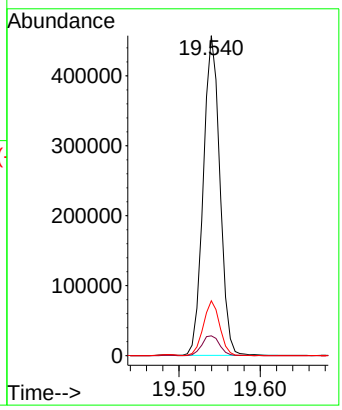




#75
Fluoranthene
Concen: 31.649 ng
RT: 19.540 min Scan# 28
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:202 Resp: 649361

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	26.4
203	17.2	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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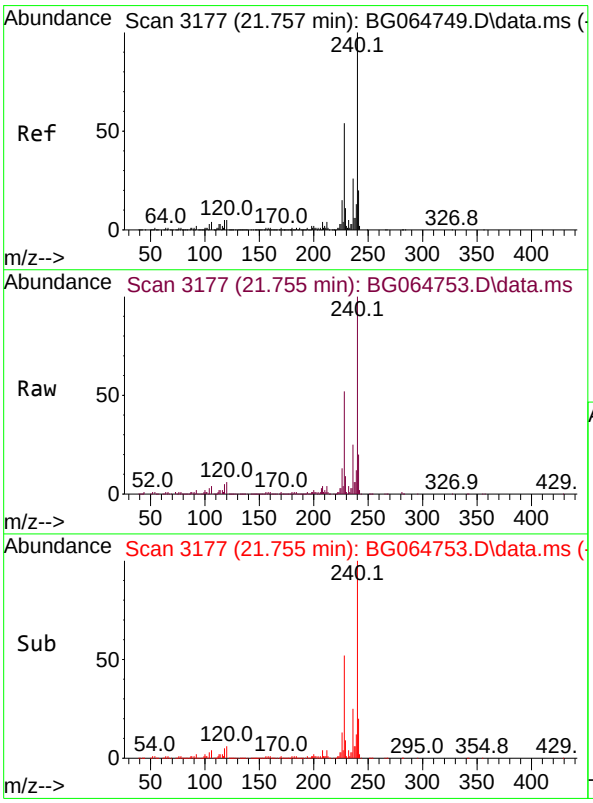
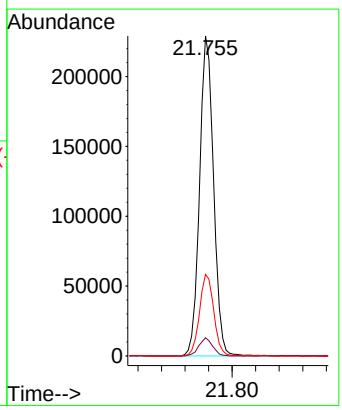
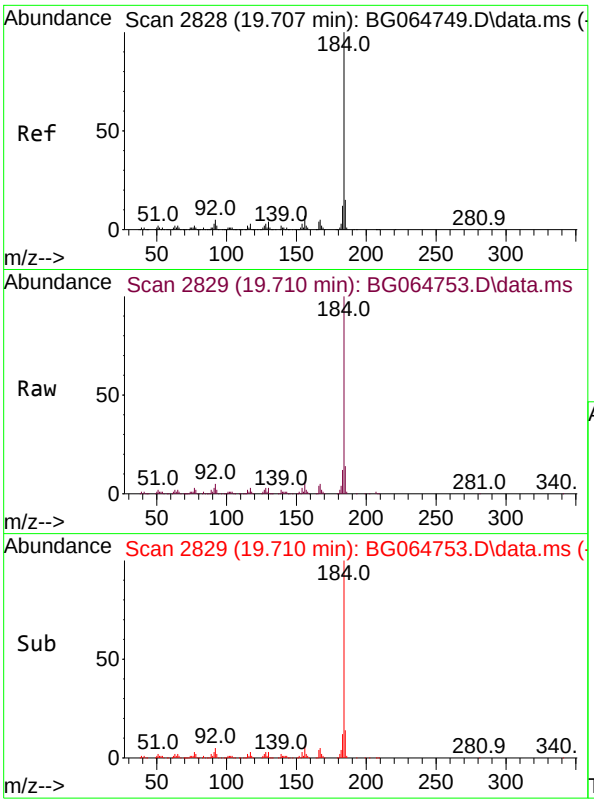


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:240 Resp: 377705

Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.2	6.4
236	25.5	20.8	31.2

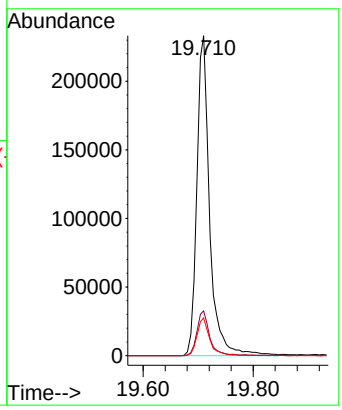




#77
Benzidine
Concen: 33.151 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:184 Resp: 37499

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.8	17.6
183	11.8	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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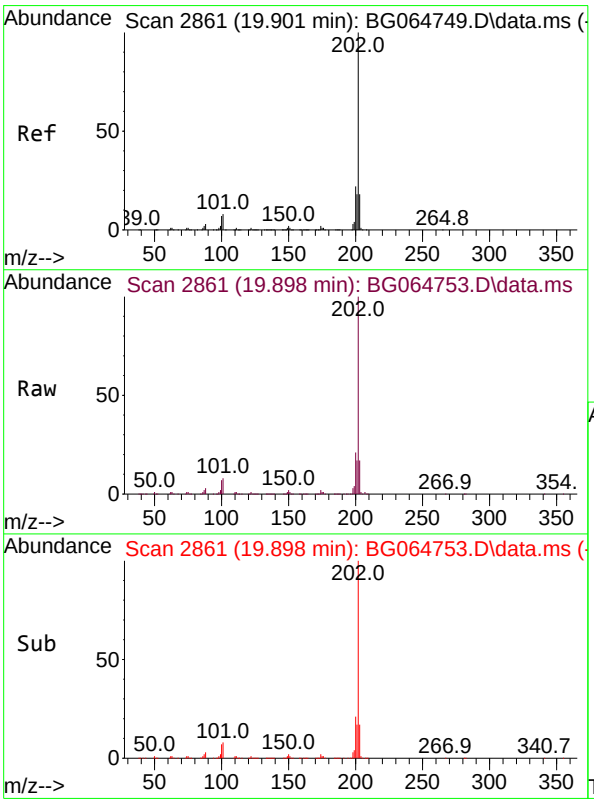
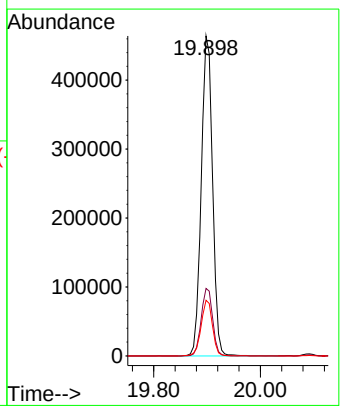
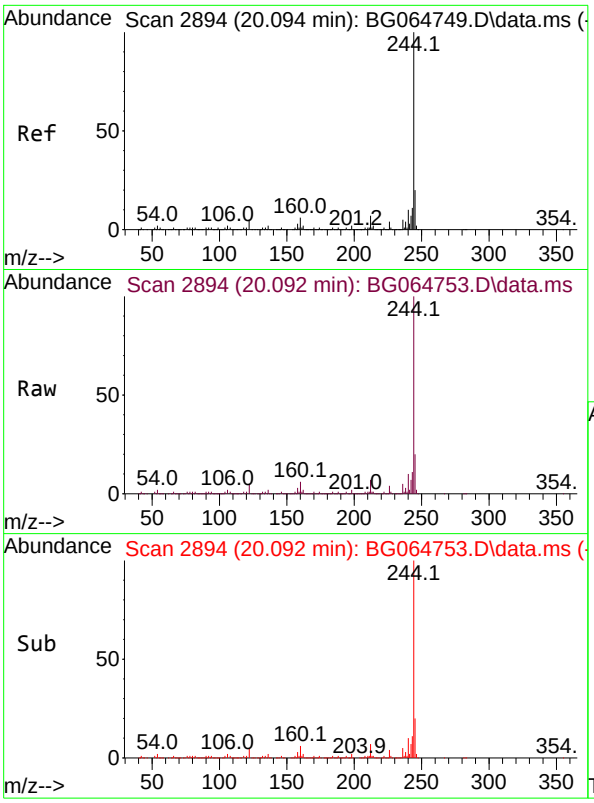


#78
Pyrene
Concen: 32.115 ng
RT: 19.898 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:202 Resp: 679837

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.9	26.9
203	17.4	14.0	21.0

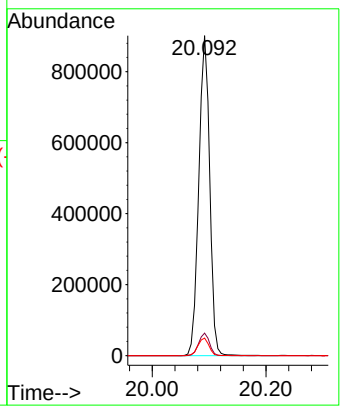




#79
Terphenyl-d14
Concen: 62.068 ng
RT: 20.092 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:244 Resp: 119178

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	5.5	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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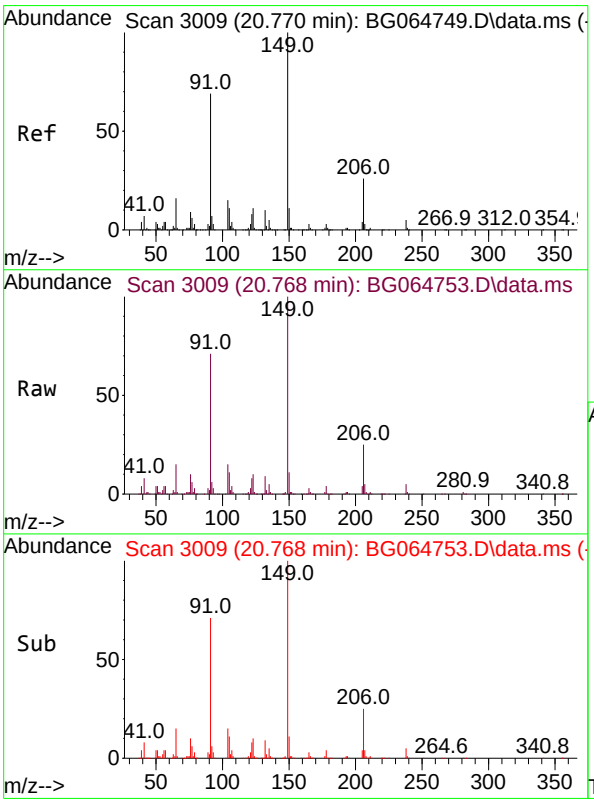
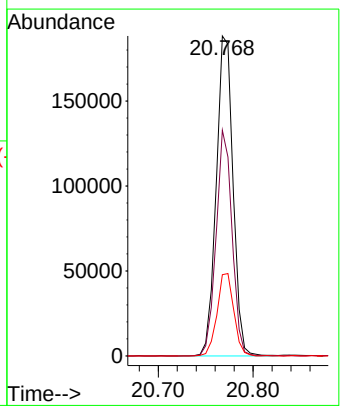
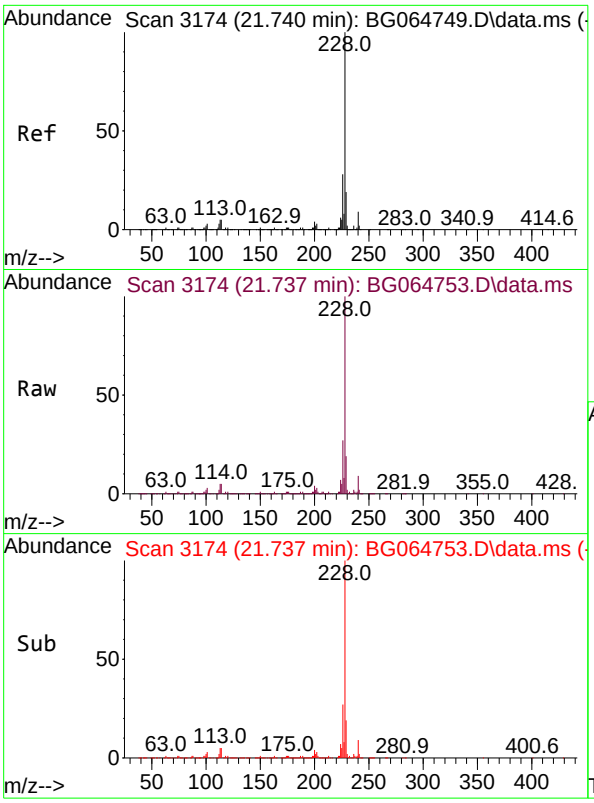


#80
Butylbenzylphthalate
Concen: 31.103 ng
RT: 20.768 min Scan# 3009
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 231586

Ion	Ratio	Lower	Upper
149	100		
91	70.5	54.9	82.3
206	25.4	21.2	31.8





#81
Benzo(a)anthracene
Concen: 31.660 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Tgt Ion:228 Resp: 81311

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.1	15.5	23.3

Manual Integrations
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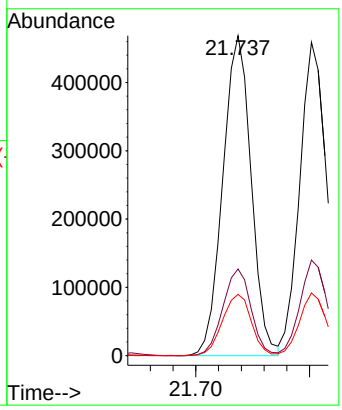
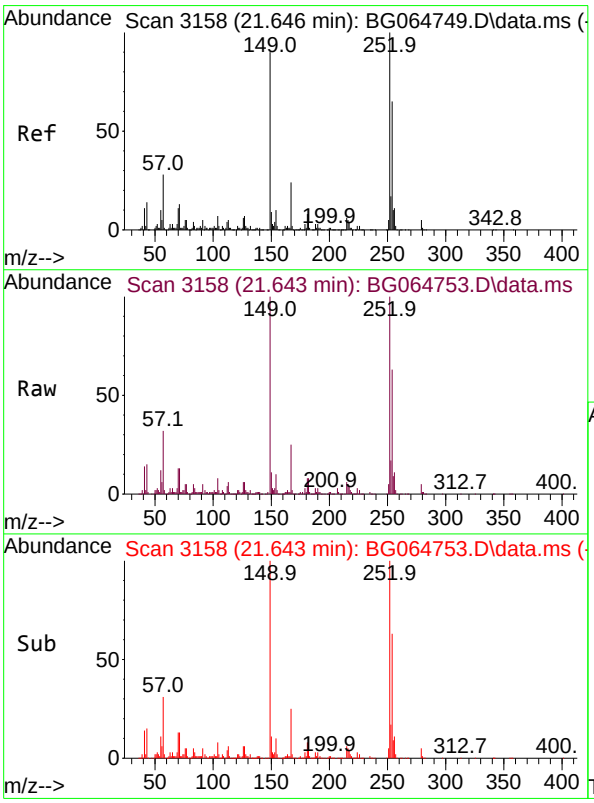
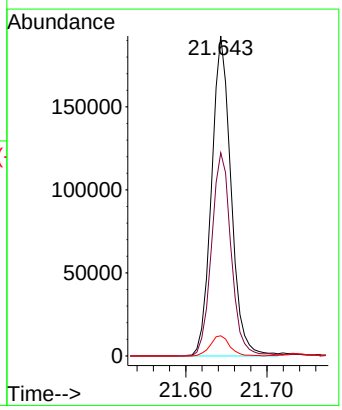


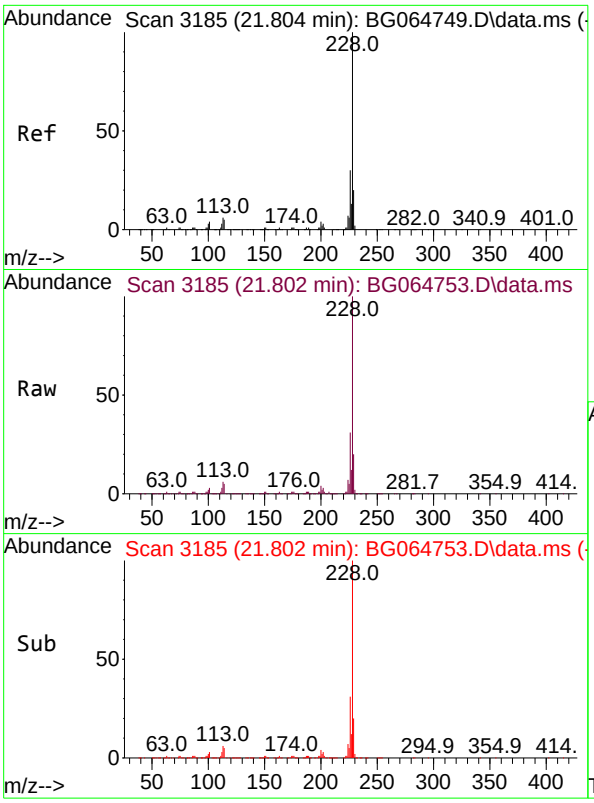


#82
3,3'-Dichlorobenzidine
Concen: 33.973 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 321145

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.8	77.8
126	6.3	4.7	7.1

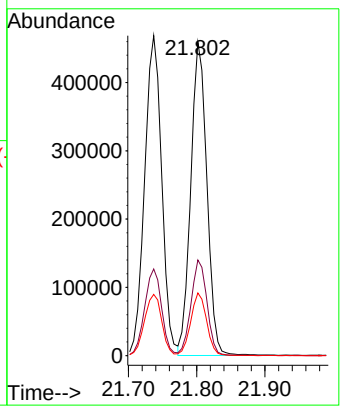




#83
Chrysene
Concen: 31.200 ng
RT: 21.802 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:228 Resp: 75544

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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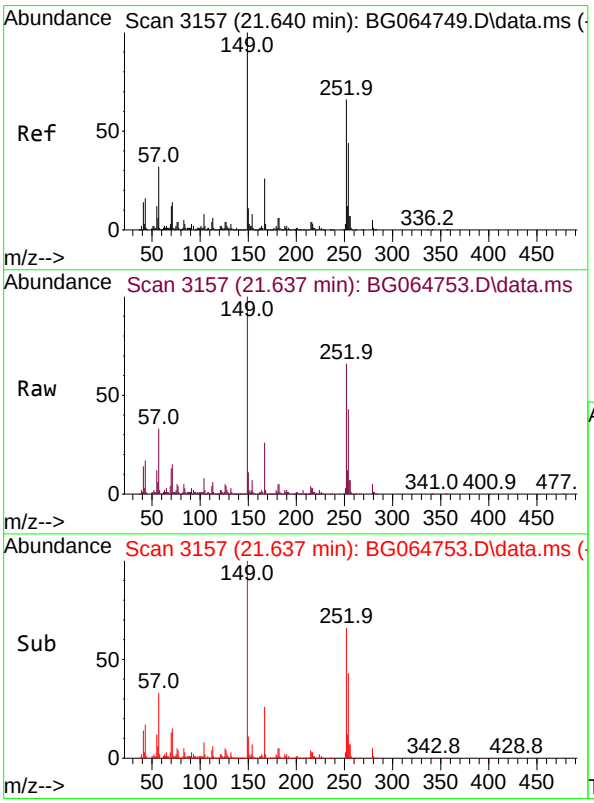
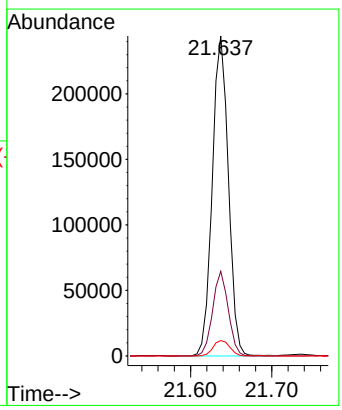
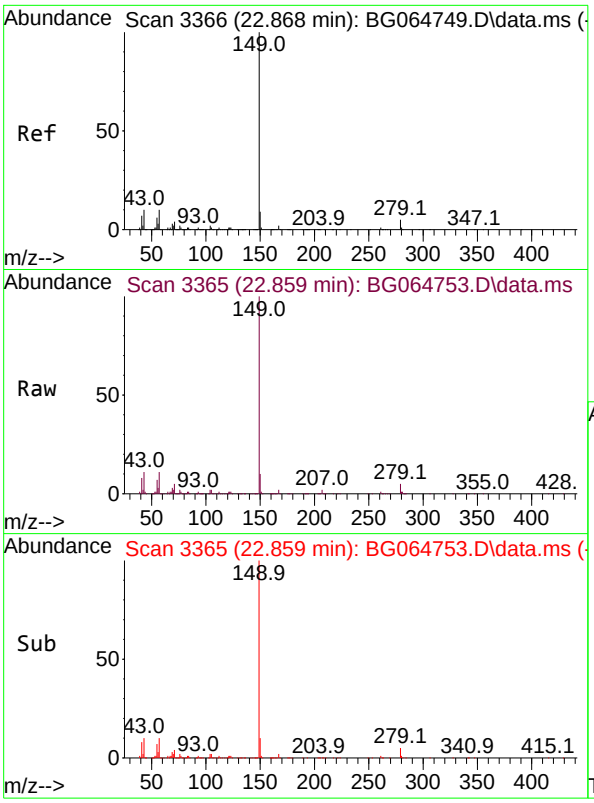


#84
Bis(2-ethylhexyl)phthalate
Concen: 30.914 ng
RT: 21.637 min Scan# 3157
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 336357

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	4.8	4.1	6.1

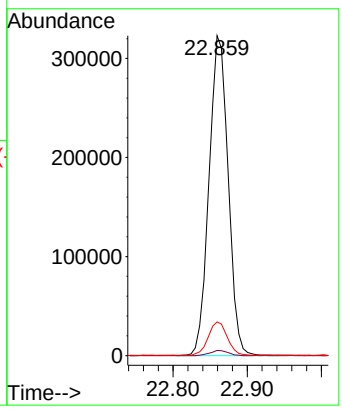




#85
Di-n-octyl phthalate
Concen: 30.757 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:149 Resp: 57846

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.5	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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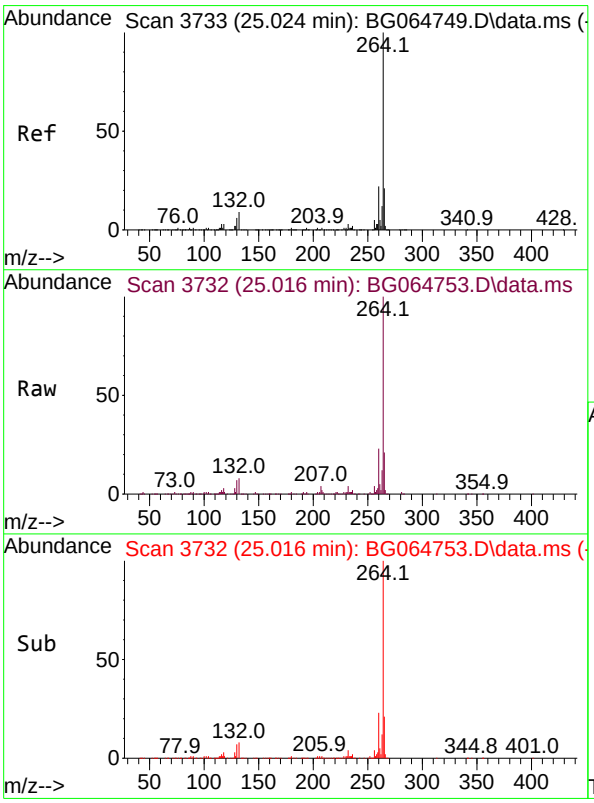
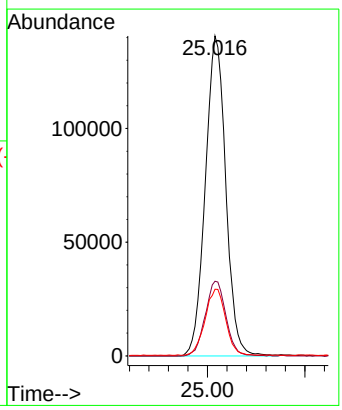
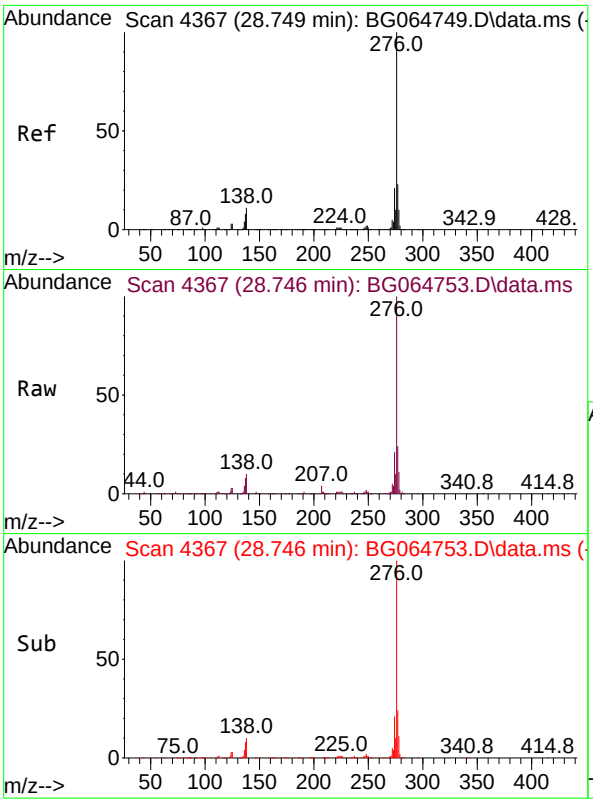


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 3732
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:264 Resp: 409953

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.2	25.8
265	20.9	16.6	25.0

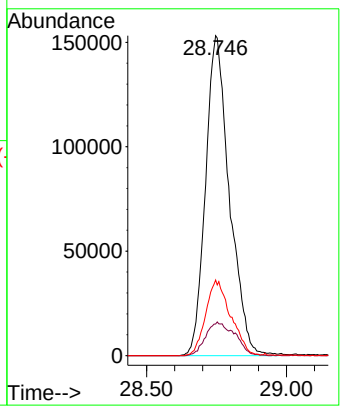




#87
Indeno(1,2,3-cd)pyrene
Concen: 32.293 ng
RT: 28.746 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:276 Resp: 90952

Ion	Ratio	Lower	Upper
276	100		
138	12.7	4.5	6.7#
277	24.6	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

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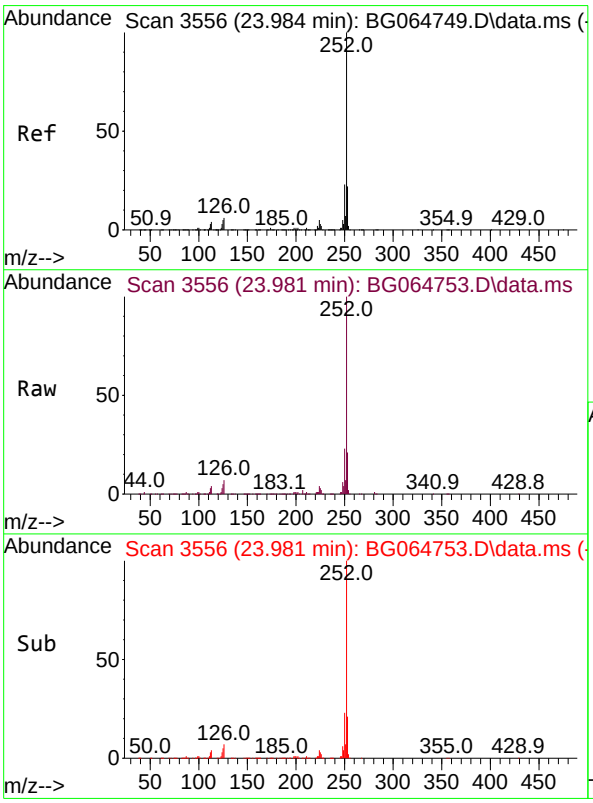
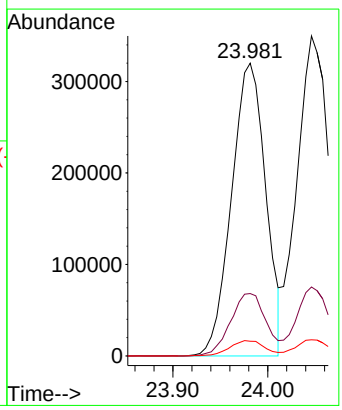
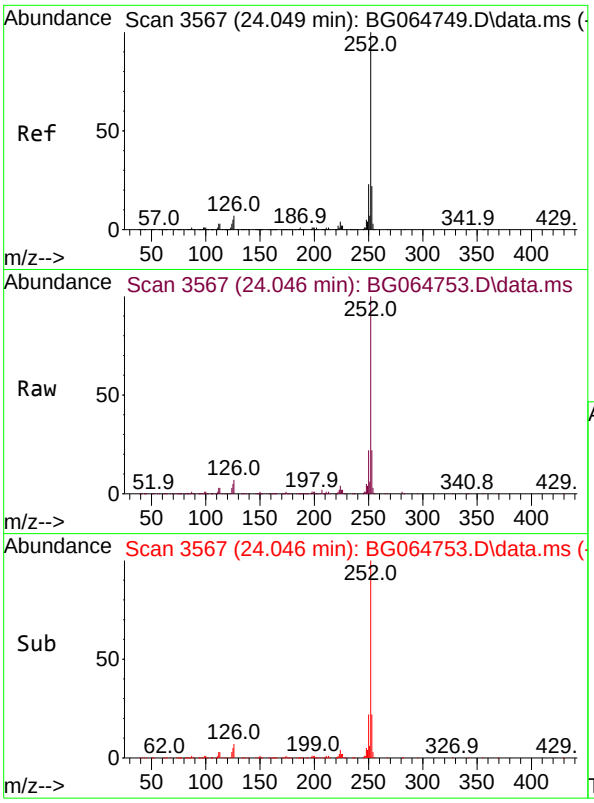


#88
Benzo(b)fluoranthene
Concen: 30.693 ng
RT: 23.981 min Scan# 3556
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 800751

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	5.0	4.2	6.2

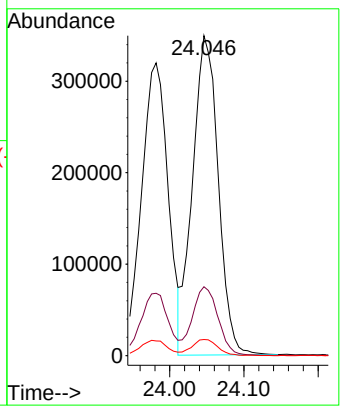




#89
Benzo(k)fluoranthene
Concen: 32.097 ng
RT: 24.046 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 84127

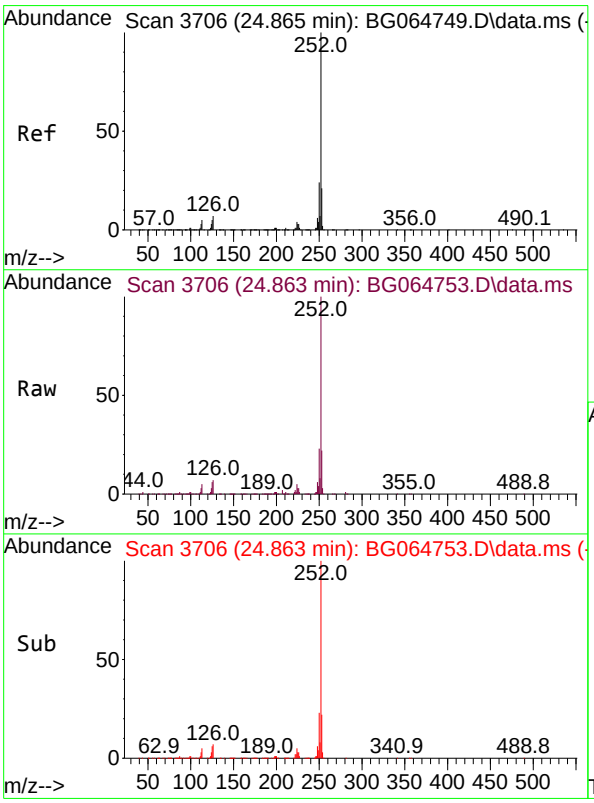
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	5.0	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

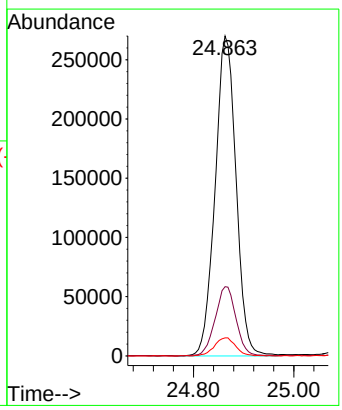
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025

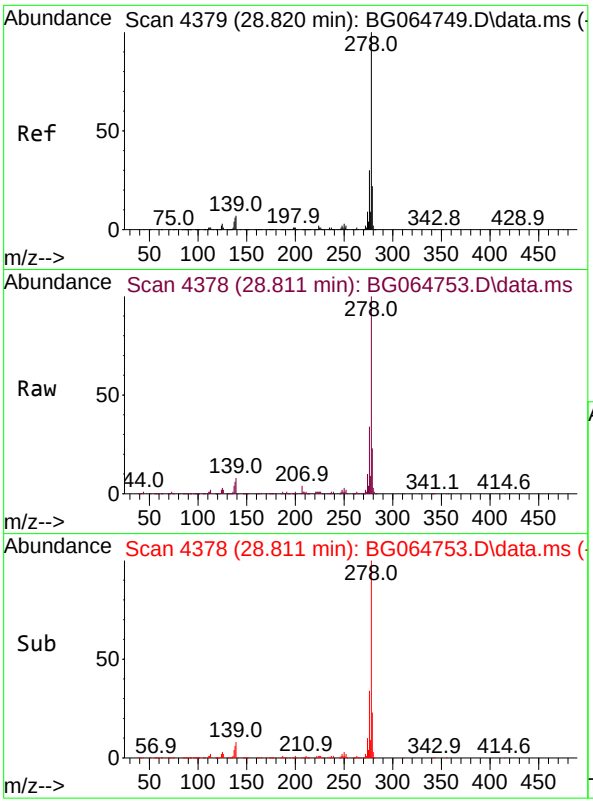


#90
Benzo(a)pyrene
Concen: 32.301 ng
RT: 24.863 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:252 Resp: 781704

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	5.6	4.2	6.4

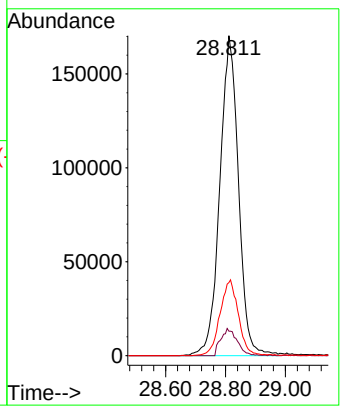




#91
Dibenzo(a,h)anthracene
Concen: 32.155 ng
RT: 28.811 min Scan# 4
Delta R.T. -0.008 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:278 Resp: 74191

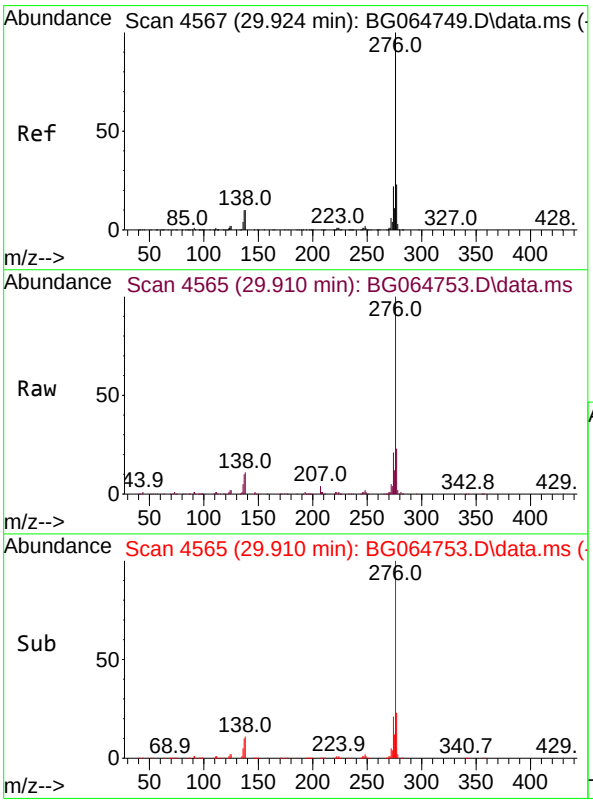
Ion	Ratio	Lower	Upper
278	100		
139	7.6	5.8	8.8
279	22.8	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Manual Integrations
APPROVED

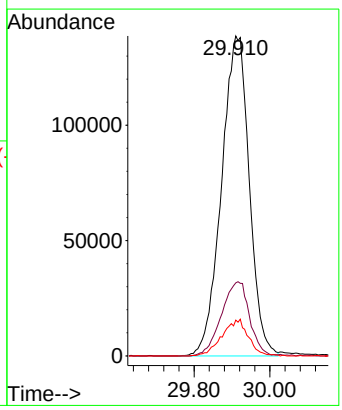
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 31.749 ng
RT: 29.910 min Scan# 4565
Delta R.T. -0.014 min
Lab File: BG064753.D
Acq: 12 Nov 2025 16:45

Tgt Ion:276 Resp: 705009

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.0	27.0
138	11.2	8.2	12.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	111	0.00
2		1,4-Dioxane	0.443	0.349	21.2	83	0.00
3		Pyridine	1.321	0.967	26.8#	79	0.00
4		n-Nitrosodimethylamine	0.672	0.547	18.6	89	0.00
5	S	2-Fluorophenol	1.145	0.904	21.0	86	0.00
6		Aniline	2.030	1.731	14.7	92	0.00
7	S	Phenol-d6	1.523	1.228	19.4	87	0.00
8		2-Chlorophenol	1.258	1.031	18.0	88	0.00
9		Benzaldehyde	0.997	0.877	12.0	95	0.00
10	C	Phenol	1.657	1.366	17.6	89	0.00
11		bis(2-Chloroethyl)ether	1.179	0.959	18.7	87	0.00
12		1,3-Dichlorobenzene	1.447	1.218	15.8	91	0.00
13	C	1,4-Dichlorobenzene	1.474	1.212	17.8	90	0.00
14		1,2-Dichlorobenzene	1.429	1.212	15.2	92	0.00
15		Benzyl Alcohol	1.250	1.080	13.6	92	0.00
16		2,2'-oxybis(1-Chloropropane	2.792	2.222	20.4	87	0.00
17		2-Methylphenol	1.173	0.943	19.6	86	0.00
18		Hexachloroethane	0.558	0.438	21.5	87	0.00
19	P	n-Nitroso-di-n-propylamine	1.030	0.883	14.3	90	0.00
20		3+4-Methylphenols	1.607	1.295	19.4	88	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00
22		Acetophenone	0.545	0.460	15.6	91	0.00
23	S	Nitrobenzene-d5	0.405	0.313	22.7	84	0.00
24		Nitrobenzene	0.409	0.339	17.1	91	0.00
25		Isophorone	0.770	0.623	19.1	90	0.00
26	C	2-Nitrophenol	0.184	0.154	16.3	88	0.00
27		2,4-Dimethylphenol	0.327	0.258	21.1	87	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.340	19.6	89	0.00
29	C	2,4-Dichlorophenol	0.351	0.290	17.4	88	0.00
30		1,2,4-Trichlorobenzene	0.423	0.360	14.9	94	0.00
31		Naphthalene	1.134	0.890	21.5	86	0.00
32		Benzoic acid	0.205	0.163	20.5	88	0.00
33		4-Chloroaniline	0.454	0.381	16.1	90	0.00
34	C	Hexachlorobutadiene	0.363	0.286	21.2#	87	0.00
35		Caprolactam	0.105	0.086	18.1	93	0.00
36	C	4-Chloro-3-methylphenol	0.390	0.314	19.5	89	0.00
37		2-Methylnaphthalene	0.848	0.607	28.4#	80	0.00
38		1-Methylnaphthalene	0.843	0.633	24.9	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.778	0.617	20.7	90	0.00
41	P	Hexachlorocyclopentadiene	0.558	0.427	23.5	87	0.00
42	S	2,4,6-Tribromophenol	0.390	0.313	19.7	92	0.00
43	C	2,4,6-Trichlorophenol	0.457	0.366	19.9	89	0.00
44		2,4,5-Trichlorophenol	0.512	0.404	21.1	88	0.00
45	S	2-Fluorobiphenyl	1.433	1.075	25.0	86	0.00
46		1,1'-Biphenyl	1.436	1.159	19.3	92	0.00
47		2-Chloronaphthalene	1.132	0.882	22.1	90	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	0.364	0.305	16.2	93	0.00
49		Acenaphthylene	1.933	1.536	20.5	91	0.00
50		Dimethylphthalate	1.580	1.252	20.8	92	0.00
51		2,6-Dinitrotoluene	0.304	0.253	16.8	94	0.00
52	C	Acenaphthene	1.159	0.918	20.8#	90	0.00
53		3-Nitroaniline	0.300	0.254	15.3	95	0.00
54	P	2,4-Dinitrophenol	0.158	0.142	10.1	95	0.00
55		Dibenzofuran	1.916	1.502	21.6	91	0.00
56	P	4-Nitrophenol	0.238	0.199	16.4	94	0.00
57		2,4-Dinitrotoluene	0.456	0.381	16.4	94	0.00
58		Fluorene	1.503	1.189	20.9	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.506	0.436	13.8	99	0.00
60		Diethylphthalate	1.513	1.188	21.5	91	0.00
61		4-Chlorophenyl-phenylether	0.902	0.691	23.4	89	0.00
62		4-Nitroaniline	0.311	0.262	15.8	93	0.00
63		Azobenzene	1.259	1.005	20.2	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	0.111	0.094	15.3	93	0.00
66	c	n-Nitrosodiphenylamine	0.524	0.428	18.3	92	0.00
67		4-Bromophenyl-phenylether	0.263	0.207	21.3	89	0.00
68		Hexachlorobenzene	0.318	0.249	21.7	90	0.00
69		Atrazine	0.253	0.209	17.4	95	0.00
70	C	Pentachlorophenol	0.157	0.133	15.3	96	0.00
71		Phenanthrene	1.094	0.862	21.2	91	0.00
72		Anthracene	1.116	0.886	20.6	92	0.00
73		Carbazole	0.959	0.786	18.0	94	0.00
74		Di-n-butylphthalate	1.070	0.852	20.4	91	0.00
75	C	Fluoranthene	1.496	1.184	20.9#	92	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77		Benzidine	0.599	0.496	17.2	101	0.00
78		Pyrene	1.121	0.900	19.7	93	0.00
79	S	Terphenyl-d14	1.017	0.789	22.4	89	0.00
80		Butylbenzylphthalate	0.394	0.307	22.1	90	0.00
81		Benzo(a)anthracene	1.360	1.076	20.9	90	0.00
82		3,3'-Dichlorobenzidine	0.501	0.425	15.2	94	0.00
83		Chrysene	1.282	1.000	22.0	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.576	0.445	22.7	88	0.00
85	c	Di-n-octyl phthalate	0.996	0.766	23.1#	85	0.00
86	I	Perylene-d12	1.000	1.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.109	19.3	87	0.00
88		Benzo(b)fluoranthene	1.273	0.977	23.3	83	0.00
89		Benzo(k)fluoranthene	1.279	1.026	19.8	90	0.00
90	C	Benzo(a)pyrene	1.181	0.953	19.3	88	0.00
91		Dibenzo(a,h)anthracene	1.126	0.905	19.6	86	0.00
92		Benzo(g,h,i)perylene	1.083	0.860	20.6	86	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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 = 4

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	0.00
2		1,4-Dioxane	40.000	31.527	21.2	83	0.00
3		Pyridine	40.000	29.291	26.8#	79	0.00
4		n-Nitrosodimethylamine	40.000	32.525	18.7	89	0.00
5	S	2-Fluorophenol	80.000	63.167	21.0	86	0.00
6		Aniline	40.000	34.106	14.7	92	0.00
7	S	Phenol-d6	80.000	64.502	19.4	87	0.00
8		2-Chlorophenol	40.000	32.779	18.1	88	0.00
9		Benzaldehyde	40.000	35.196	12.0	95	0.00
10	C	Phenol	40.000	32.974	17.6	89	0.00
11		bis(2-Chloroethyl)ether	40.000	32.532	18.7	87	0.00
12		1,3-Dichlorobenzene	40.000	33.672	15.8	91	0.00
13	C	1,4-Dichlorobenzene	40.000	32.901	17.7	90	0.00
14		1,2-Dichlorobenzene	40.000	33.934	15.2	92	0.00
15		Benzyl Alcohol	40.000	34.561	13.6	92	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	31.833	20.4	87	0.00
17		2-Methylphenol	40.000	32.149	19.6	86	0.00
18		Hexachloroethane	40.000	31.370	21.6	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	34.287	14.3	90	0.00
20		3+4-Methylphenols	40.000	32.235	19.4	88	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	111	0.00
22		Acetophenone	40.000	33.774	15.6	91	0.00
23	S	Nitrobenzene-d5	80.000	61.930	22.6	84	0.00
24		Nitrobenzene	40.000	33.162	17.1	91	0.00
25		Isophorone	40.000	32.368	19.1	90	0.00
26	C	2-Nitrophenol	40.000	33.507	16.2	88	0.00
27		2,4-Dimethylphenol	40.000	31.650	20.9	87	0.00
28		bis(2-Chloroethoxy)methane	40.000	32.150	19.6	89	0.00
29	C	2,4-Dichlorophenol	40.000	33.040	17.4	88	0.00
30		1,2,4-Trichlorobenzene	40.000	33.988	15.0	94	0.00
31		Naphthalene	40.000	31.383	21.5	86	0.00
32		Benzoic acid	40.000	30.681	23.3	88	0.00
33		4-Chloroaniline	40.000	33.639	15.9	90	0.00
34	C	Hexachlorobutadiene	40.000	31.513	21.2#	87	0.00
35		Caprolactam	40.000	32.854	17.9	93	0.00
36	C	4-Chloro-3-methylphenol	40.000	32.195	19.5	89	0.00
37		2-Methylnaphthalene	40.000	28.612	28.5#	80	0.00
38		1-Methylnaphthalene	40.000	30.038	24.9	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	31.686	20.8	90	0.00
41	P	Hexachlorocyclopentadiene	40.000	30.647	23.4	87	0.00
42	S	2,4,6-Tribromophenol	80.000	64.162	19.8	92	0.00
43	C	2,4,6-Trichlorophenol	40.000	32.039	19.9	89	0.00
44		2,4,5-Trichlorophenol	40.000	31.528	21.2	88	0.00
45	S	2-Fluorobiphenyl	80.000	59.990	25.0#	86	0.00
46		1,1'-Biphenyl	40.000	32.265	19.3	92	0.00
47		2-Chloronaphthalene	40.000	31.173	22.1	90	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	33.514	16.2	93	0.00
49		Acenaphthylene	40.000	31.779	20.6	91	0.00
50		Dimethylphthalate	40.000	31.689	20.8	92	0.00
51		2,6-Dinitrotoluene	40.000	33.291	16.8	94	0.00
52	C	Acenaphthene	40.000	31.693	20.8#	90	0.00
53		3-Nitroaniline	40.000	33.908	15.2	95	0.00
54	P	2,4-Dinitrophenol	40.000	32.871	17.8	95	0.00
55		Dibenzofuran	40.000	31.341	21.6	91	0.00
56	P	4-Nitrophenol	40.000	33.387	16.5	94	0.00
57		2,4-Dinitrotoluene	40.000	33.468	16.3	94	0.00
58		Fluorene	40.000	31.633	20.9	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	34.475	13.8	99	0.00
60		Diethylphthalate	40.000	31.411	21.5	91	0.00
61		4-Chlorophenyl-phenylether	40.000	30.654	23.4	89	0.00
62		4-Nitroaniline	40.000	33.761	15.6	93	0.00
63		Azobenzene	40.000	31.929	20.2	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	40.000	33.928	15.2	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	32.679	18.3	92	0.00
67		4-Bromophenyl-phenylether	40.000	31.573	21.1	89	0.00
68		Hexachlorobenzene	40.000	31.349	21.6	90	0.00
69		Atrazine	40.000	33.110	17.2	95	0.00
70	C	Pentachlorophenol	40.000	32.137	19.7	96	0.00
71		Phenanthrene	40.000	31.516	21.2	91	0.00
72		Anthracene	40.000	31.775	20.6	92	0.00
73		Carbazole	40.000	32.779	18.1	94	0.00
74		Di-n-butylphthalate	40.000	31.841	20.4	91	0.00
75	C	Fluoranthene	40.000	31.649	20.9#	92	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77		Benzidine	40.000	33.151	17.1	101	0.00
78		Pyrene	40.000	32.115	19.7	93	0.00
79	S	Terphenyl-d14	80.000	62.068	22.4	89	0.00
80		Butylbenzylphthalate	40.000	31.103	22.2	90	0.00
81		Benzo(a)anthracene	40.000	31.660	20.8	90	0.00
82		3,3'-Dichlorobenzidine	40.000	33.973	15.1	94	0.00
83		Chrysene	40.000	31.200	22.0	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	30.914	22.7	88	0.00
85	c	Di-n-octyl phthalate	40.000	30.757	23.1#	85	0.00
86	I	Perylene-d12	20.000	20.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	32.293	19.3	87	0.00
88		Benzo(b)fluoranthene	40.000	30.693	23.3	83	0.00
89		Benzo(k)fluoranthene	40.000	32.097	19.8	90	0.00
90	C	Benzo(a)pyrene	40.000	32.301	19.2	88	0.00
91		Dibenzo(a,h)anthracene	40.000	32.155	19.6	86	0.00
92		Benzo(g,h,i)perylene	40.000	31.749	20.6	86	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064753.D
Acq On : 12 Nov 2025 16:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG111225

Quant Time: Nov 12 17:26:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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 = 4

Raw Data: **BF144263.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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.288		0.8	
Benzaldehyde	0.818	0.948		15.9	
Phenol-d6	1.448	1.397		-3.5	
Phenol	1.769	1.747		-1.2	20.0
bis(2-Chloroethyl)ether	1.289	1.229		-4.7	
2-Chlorophenol	1.253	1.228		-2.0	
2-Methylphenol	0.997	0.962		-3.5	
2,2-oxybis(1-Chloropropane)	2.374	2.236		-5.8	
Acetophenone	0.429	0.417		-2.8	
3+4-Methylphenols	1.175	1.137		-3.2	
n-Nitroso-di-n-propylamine	0.953	0.882	0.050	-7.4	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.497		-3.5	
Nitrobenzene	0.376	0.369		-1.9	
Isophorone	0.655	0.616		-6.0	
2-Nitrophenol	0.186	0.190		2.2	20.0
2,4-Dimethylphenol	0.279	0.283		1.4	
bis(2-Chloroethoxy)methane	0.409	0.399		-2.4	
2,4-Dichlorophenol	0.322	0.319		-0.9	20.0
Naphthalene	0.951	0.934		-1.8	
4-Chloroaniline	0.347	0.342		-1.4	
Hexachlorobutadiene	0.249	0.240		-3.6	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.284		-1.4	20.0
2-Methylnaphthalene	0.636	0.625		-1.7	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.446	0.429		-3.8	20.0
2-Fluorobiphenyl	1.354	1.309		-3.3	
2,4,5-Trichlorophenol	0.481	0.462		-4.0	
1,1-Biphenyl	1.396	1.346		-3.6	
2-Chloronaphthalene	1.191	1.146		-3.8	
2-Nitroaniline	0.344	0.335		-2.6	
Dimethylphthalate	1.325	1.232		-7.0	
Acenaphthylene	1.623	1.574		-3.0	
2,6-Dinitrotoluene	0.268	0.259		-3.4	
3-Nitroaniline	0.293	0.276		-5.8	
Acenaphthene	1.085	1.050		-3.2	20.0
2,4-Dinitrophenol	0.162	0.177	0.050	9.3	
4-Nitrophenol	0.212	0.194	0.050	-8.5	

Raw Data: **BF144263.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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_F Calibration Date/Time: 11/17/2025 12:52

Lab File ID: BF144263.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.452		-4.5	
2,4-Dinitrotoluene	0.359	0.334		-7.0	
Diethylphthalate	1.221	1.093		-10.5	
4-Chlorophenyl-phenylether	0.658	0.610		-7.3	
Fluorene	1.156	1.102		-4.7	
4-Nitroaniline	0.279	0.248		-11.1	
4,6-Dinitro-2-methylphenol	0.136	0.112		-17.6	
n-Nitrosodiphenylamine	0.643	0.657		2.2	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.291		-3.3	
Atrazine	0.205	0.175		-14.6	
Pentachlorophenol	0.150	0.159		6.0	20.0
Phenanthrene	0.996	0.975		-2.1	
Anthracene	1.013	0.968		-4.4	
Carbazole	0.861	0.794		-7.8	
Di-n-butylphthalate	1.041	0.882		-15.3	
Fluoranthene	1.029	0.909		-11.7	20.0
Pyrene	1.613	1.489		-7.7	
Terphenyl-d14	1.259	1.128		-10.4	
Butylbenzylphthalate	0.559	0.482		-13.8	
3,3-Dichlorobenzidine	0.475	0.503		5.9	
Benzo(a)anthracene	1.386	1.430		3.2	
Chrysene	1.280	1.212		-5.3	
Bis(2-ethylhexyl)phthalate	0.765	0.635		-17.0	
Di-n-octyl phthalate	1.320	1.270		-3.8	20.0
Benzo(b)fluoranthene	1.137	1.167		2.6	
Benzo(k)fluoranthene	1.064	0.913		-14.2	
Benzo(a)pyrene	1.049	1.003		-4.4	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.372		-4.5	
Dibenzo(a,h)anthracene	1.153	1.095		-5.0	
Benzo(g,h,i)perylene	1.139	1.078		-5.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.638		-2.6	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51819	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	191465	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	106334	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	166797	20.000	ng	0.00
76) Chrysene-d12	14.045	240	104164	20.000	ng	0.00
86) Perylene-d12	15.527	264	157386	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266978	80.624	ng	0.00
7) Phenol-d6	6.499	99	289633	77.193	ng	0.00
23) Nitrobenzene-d5	7.434	82	265411	80.061	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	95517	71.582	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	556731	77.328	ng	0.00
79) Terphenyl-d14	12.980	244	470015	71.673	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.593	88	54869	40.079	ng	99
3) Pyridine	3.363	79	150581	39.425	ng	98
4) n-Nitrosodimethylamine	3.311	42	78106	39.150	ng	98
6) Aniline	6.528	93	206198	38.572	ng	93
8) 2-Chlorophenol	6.651	128	127284	39.195	ng	98
9) Benzaldehyde	6.422	77	98263	46.379	ng	98
10) Phenol	6.516	94	181088	39.502	ng	90
11) bis(2-Chloroethyl)ether	6.604	93	127407	38.142	ng	98
12) 1,3-Dichlorobenzene	6.810	146	158188	39.476	ng	97
13) 1,4-Dichlorobenzene	6.887	146	160009	39.857	ng	100
14) 1,2-Dichlorobenzene	7.040	146	149814	38.933	ng	99
15) Benzyl Alcohol	7.010	79	114728	38.616	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.134	45	231766	37.677	ng	87
17) 2-Methylphenol	7.122	107	99746	38.610	ng	97
18) Hexachloroethane	7.381	117	51501	38.613	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	91420	37.012	ng	96
20) 3+4-Methylphenols	7.275	107	117841	38.694	ng	95
22) Acetophenone	7.275	105	159839	38.915	ng	94
24) Nitrobenzene	7.451	77	141335	39.266	ng	99
25) Isophorone	7.687	82	235884	37.617	ng	99
26) 2-Nitrophenol	7.769	139	72738	40.823	ng	98
27) 2,4-Dimethylphenol	7.804	122	108485	40.622	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	152879	39.042	ng	97
29) 2,4-Dichlorophenol	8.010	162	121989	39.632	ng	99
30) 1,2,4-Trichlorobenzene	8.093	180	123836	39.180	ng	99
31) Naphthalene	8.175	128	357631	39.266	ng	99
32) Benzoic acid	7.910	122	65400	33.408	ng	98
33) 4-Chloroaniline	8.222	127	130849	39.392	ng	99
34) Hexachlorobutadiene	8.287	225	92001	38.622	ng	98
35) Caprolactam	8.587	113	31962	37.901	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	108748	39.422	ng	98
37) 2-Methylnaphthalene	8.863	142	239486	39.328	ng	99
38) 1-Methylnaphthalene	8.963	142	227351	38.694	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	135697	38.939	ng	99
41) Hexachlorocyclopentadiene	9.016	237	43195	40.463	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	91209	38.454	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.187	196	98311	38.457	ng		97
46)	1,1'-Biphenyl	9.328	154	286337	38.577	ng		98
47)	2-Chloronaphthalene	9.351	162	243703	38.491	ng		99
48)	2-Nitroaniline	9.451	65	71320	39.040	ng		97
49)	Acenaphthylene	9.769	152	334768	38.800	ng		99
50)	Dimethylphthalate	9.622	163	261963	37.187	ng		100
51)	2,6-Dinitrotoluene	9.692	165	54984	38.558	ng		96
52)	Acenaphthene	9.939	154	223370m	38.714	ng		
53)	3-Nitroaniline	9.863	138	58739	37.681	ng		99
54)	2,4-Dinitrophenol	9.975	184	37641	43.712	ng		98
55)	Dibenzofuran	10.116	168	308723	38.205	ng		99
56)	4-Nitrophenol	10.028	139	41300	36.626	ng		97
57)	2,4-Dinitrotoluene	10.098	165	71073	37.230	ng		98
58)	Fluorene	10.457	166	234348	38.144	ng		98
59)	2,3,4,6-Tetrachlorophenol	10.234	232	66681	36.868	ng		99
60)	Diethylphthalate	10.328	149	232365	35.782	ng		100
61)	4-Chlorophenyl-phenyle...	10.445	204	129737	37.071	ng		97
62)	4-Nitroaniline	10.475	138	52674	35.482	ng		99
63)	Azobenzene	10.610	77	223735	37.020	ng		97
65)	4,6-Dinitro-2-methylph...	10.510	198	37337	32.951	ng		96
66)	n-Nitrosodiphenylamine	10.563	169	219164	40.853	ng		98
67)	4-Bromophenyl-phenylether	10.939	248	82606	38.800	ng		98
68)	Hexachlorobenzene	11.004	284	97066	38.707	ng		98
69)	Atrazine	11.092	200	58222	34.126	ng		96
70)	Pentachlorophenol	11.204	266	52942	42.397	ng		99
71)	Phenanthrene	11.422	178	325189	39.158	ng		99
72)	Anthracene	11.475	178	322905	38.239	ng		98
73)	Carbazole	11.628	167	264828	36.881	ng		99
74)	Di-n-butylphthalate	11.957	149	294255	33.899	ng		99
75)	Fluoranthene	12.616	202	303227	35.347	ng		99
77)	Benzidine	12.739	184	126864	41.175	ng		98
78)	Pyrene	12.845	202	310269	36.943	ng		99
80)	Butylbenzylphthalate	13.457	149	100497	34.525	ng		97
81)	Benzo(a)anthracene	14.033	228	297969	41.274	ng		97
82)	3,3'-Dichlorobenzidine	13.998	252	104865	42.376	ng		97
83)	Chrysene	14.075	228	252513	37.890	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.016	149	132383	33.222	ng		99
85)	Di-n-octyl phthalate	14.633	149	264587	38.485	ng	#	99
87)	Indeno(1,2,3-cd)pyrene	17.033	276	431822	38.222	ng		100
88)	Benzo(b)fluoranthene	15.092	252	367366	41.057	ng		100
89)	Benzo(k)fluoranthene	15.121	252	287345	34.310	ng		98
90)	Benzo(a)pyrene	15.463	252	315811	38.259	ng		99
91)	Dibenzo(a,h)anthracene	17.045	278	344710	37.992	ng		98
92)	Benzo(g,h,i)perylene	17.480	276	339343	37.873	ng		100

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

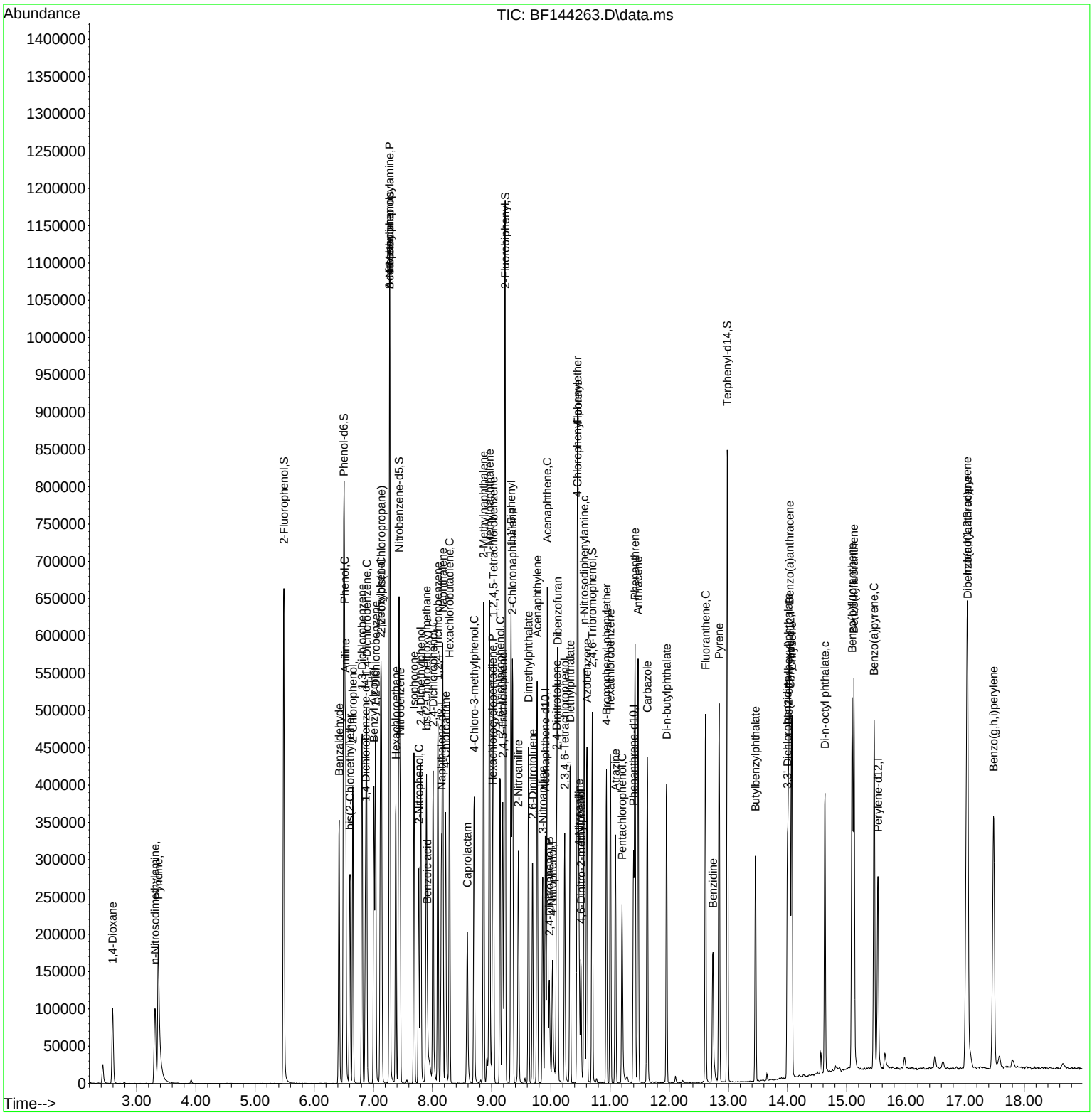
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

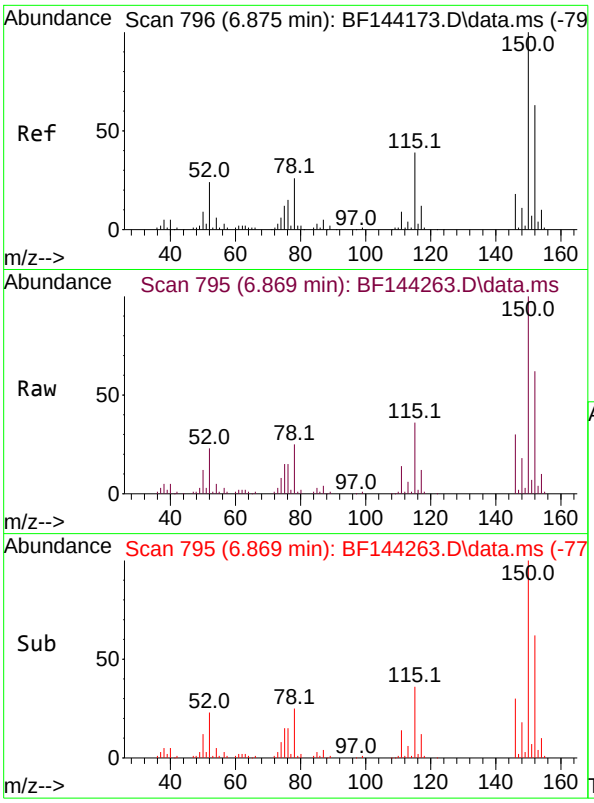
Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

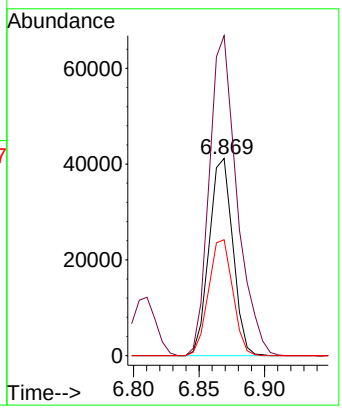




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:152 Resp: 51819

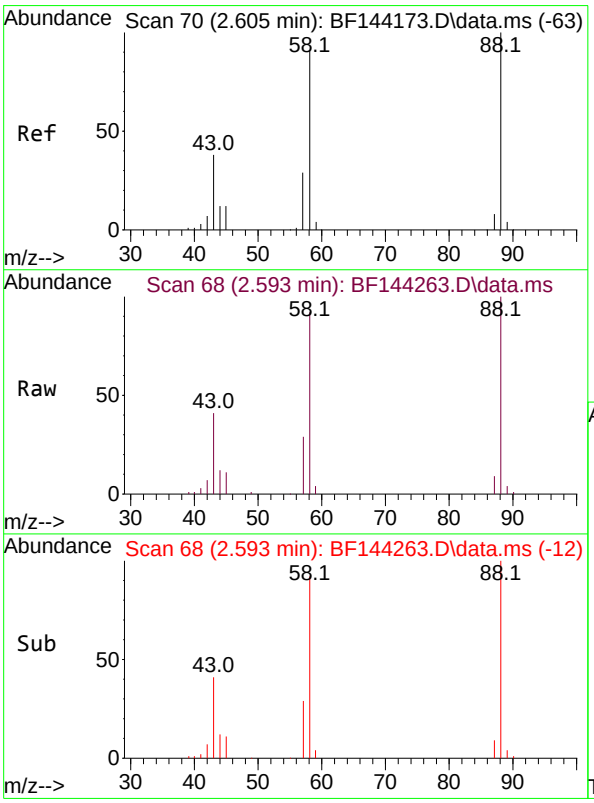
Ion	Ratio	Lower	Upper
152	100		
150	162.3	127.4	191.0
115	58.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

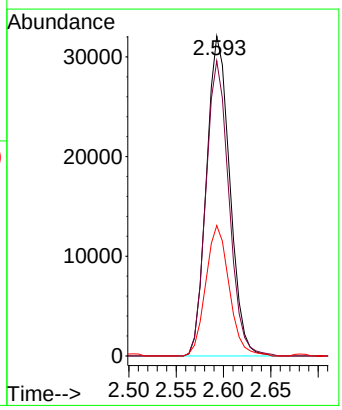
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

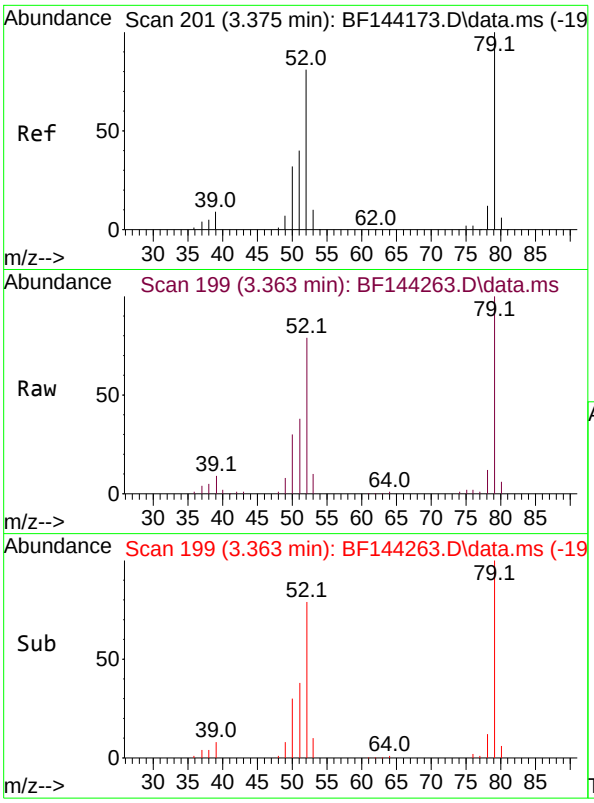


#2
1,4-Dioxane
Concen: 40.079 ng
RT: 2.593 min Scan# 68
Delta R.T. -0.023 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 88 Resp: 54869

Ion	Ratio	Lower	Upper
88	100		
58	91.3	73.1	109.7
43	41.1	31.0	46.6

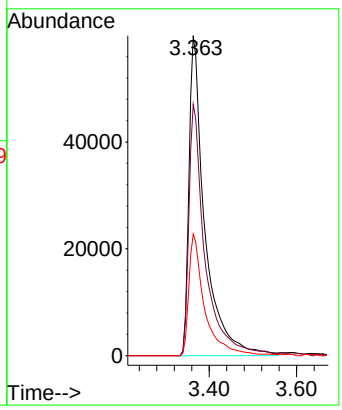




#3
Pyridine
Concen: 39.425 ng
RT: 3.363 min Scan# 19
Delta R.T. -0.047 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 79 Resp: 150581

Ion	Ratio	Lower	Upper
79	100		
52	78.6	64.5	96.7
51	38.0	31.7	47.5



Instrument :
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ClientSampleId :
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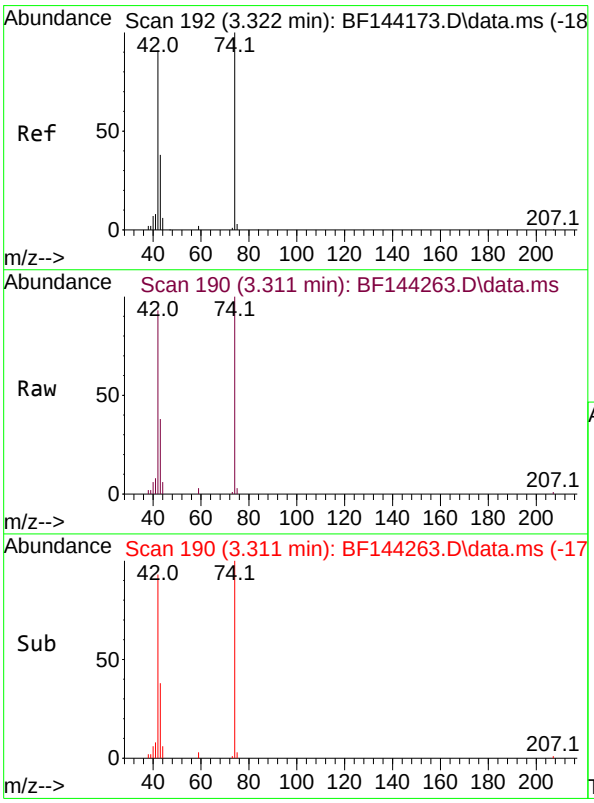
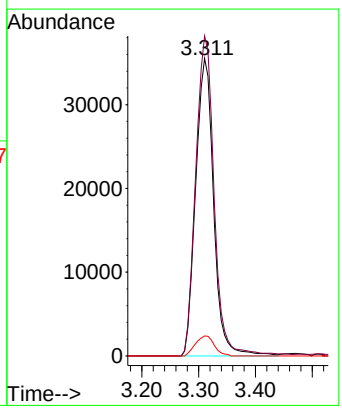
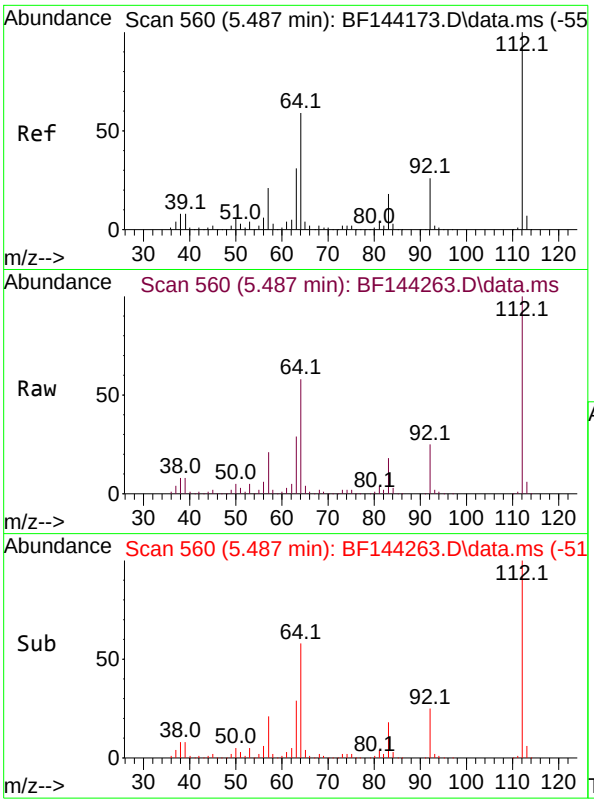


#4
n-Nitrosodimethylamine
Concen: 39.150 ng
RT: 3.311 min Scan# 190
Delta R.T. -0.035 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 42 Resp: 78106

Ion	Ratio	Lower	Upper
42	100		
74	107.6	88.2	132.4
44	6.7	5.7	8.5





#5
2-Fluorophenol
Concen: 80.624 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:112 Resp: 26697

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.2	70.8
63	29.0	24.4	36.6

Instrument :
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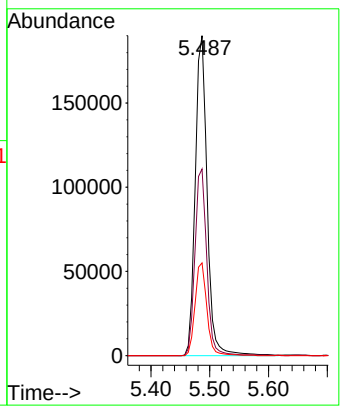
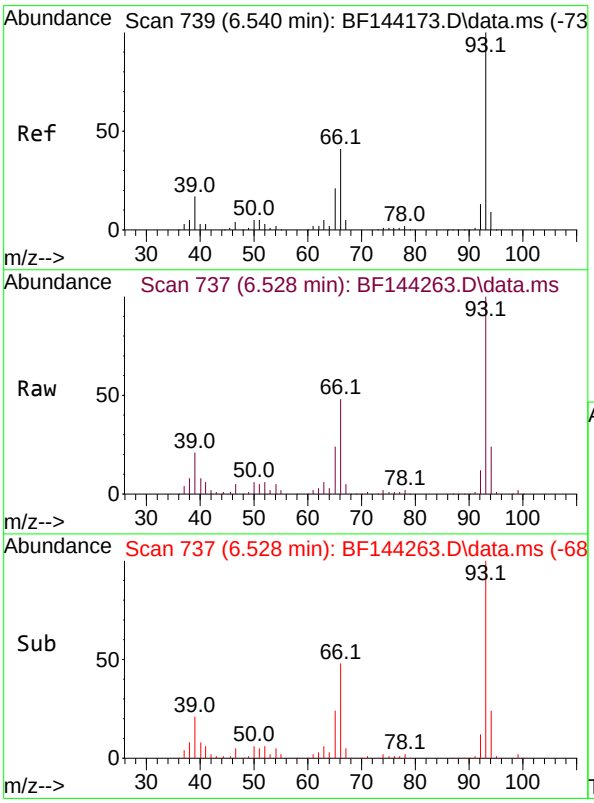
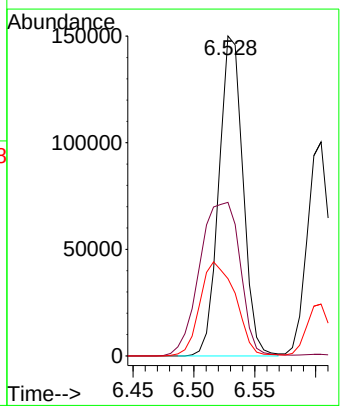


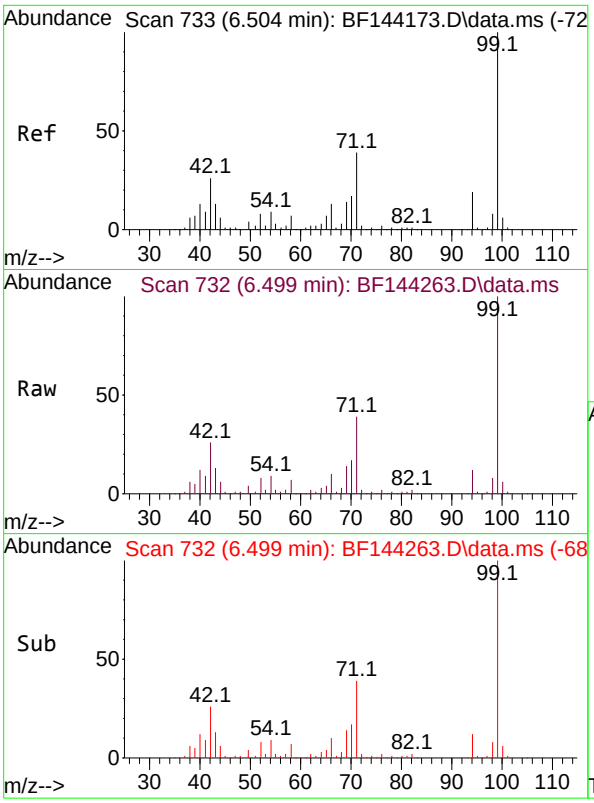


#6
Aniline
Concen: 38.572 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 93 Resp: 206198

Ion	Ratio	Lower	Upper
93	100		
66	48.0	34.3	51.5
65	24.1	16.9	25.3





#7
Phenol-d6
Concen: 77.193 ng
RT: 6.499 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 99 Resp: 28963

Ion	Ratio	Lower	Upper
99	100		
42	26.2	20.9	31.3
71	38.8	31.4	47.2

Instrument :
BNA_F
ClientSampleId :
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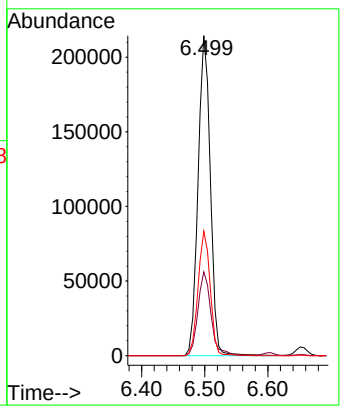
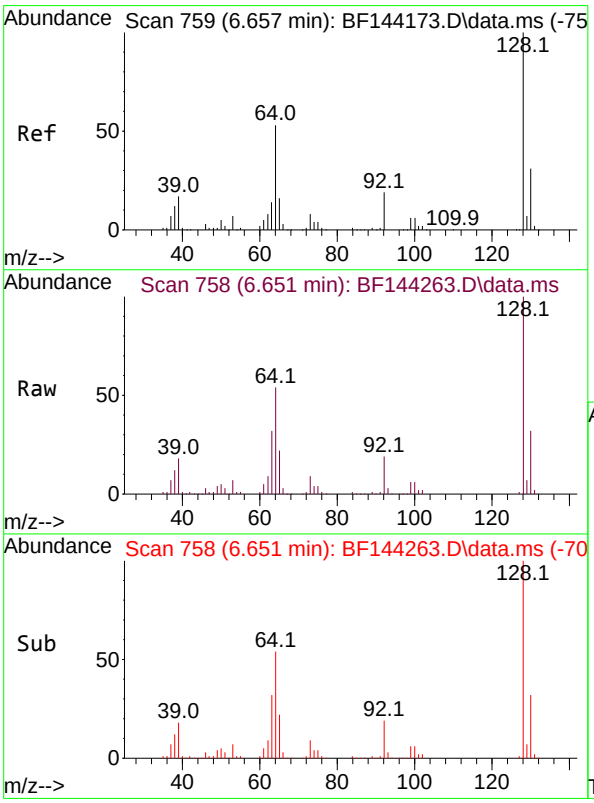
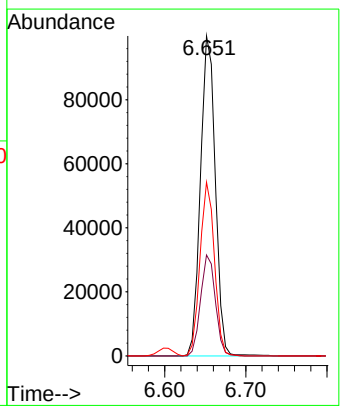


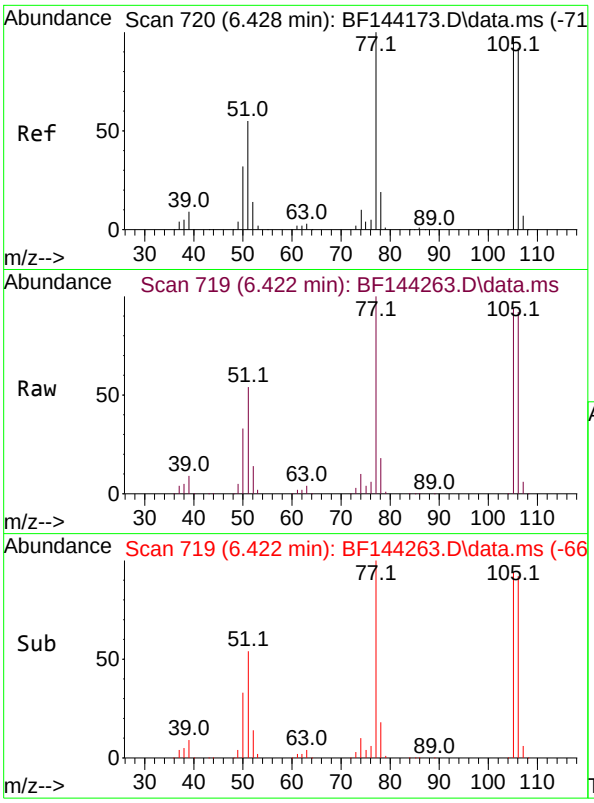


#8
2-Chlorophenol
Concen: 39.195 ng
RT: 6.651 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:128 Resp: 127284

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.5	50.5
64	54.3	33.2	73.2

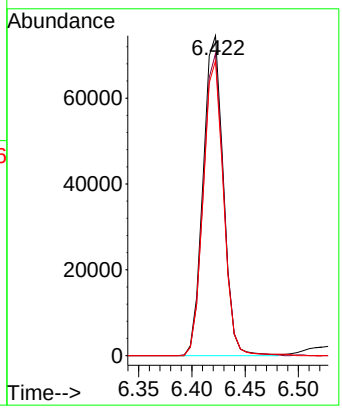




#9
Benzaldehyde
Concen: 46.379 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 77 Resp: 9826

Ion	Ratio	Lower	Upper
77	100		
105	94.4	77.2	117.2
106	92.1	72.2	112.2



Instrument :
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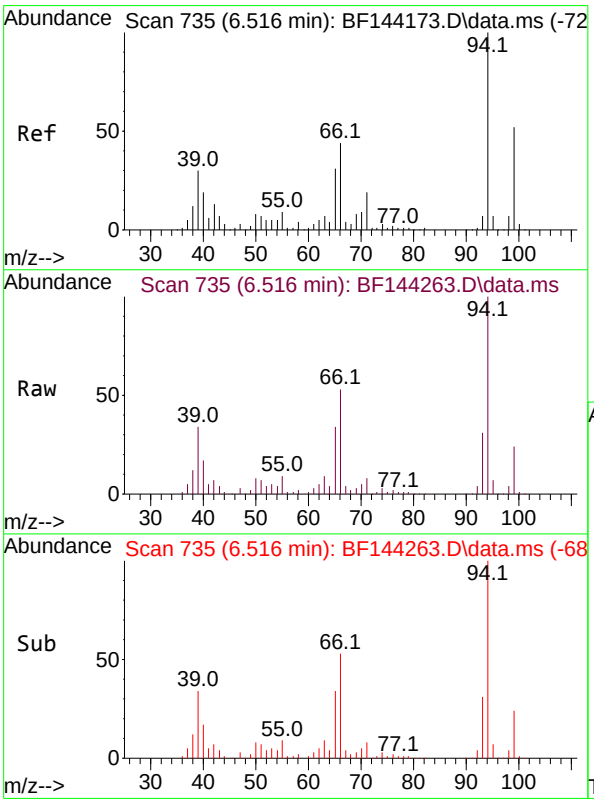
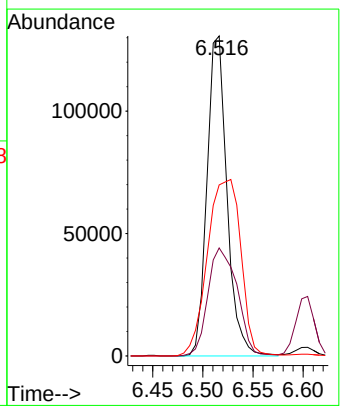
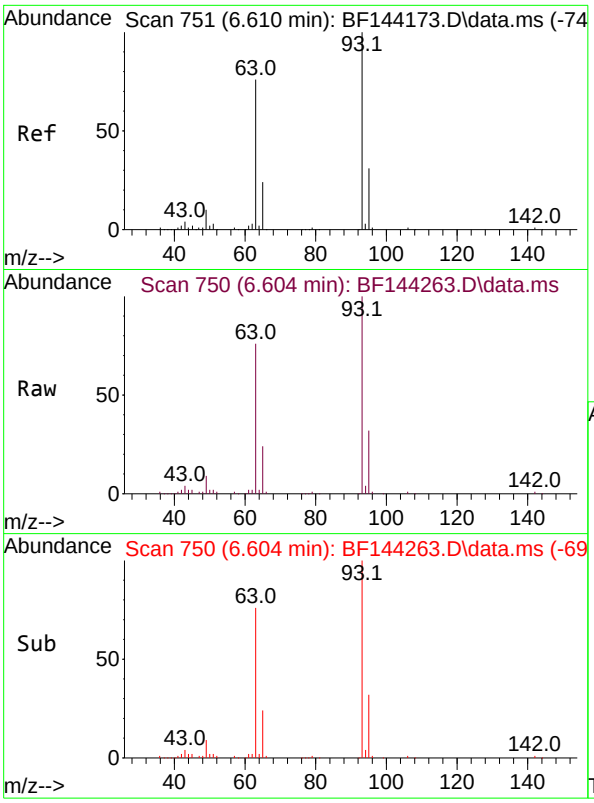


#10
Phenol
Concen: 39.502 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 94 Resp: 181088

Ion	Ratio	Lower	Upper
94	100		
65	33.7	10.8	50.8
66	53.4	24.3	64.3

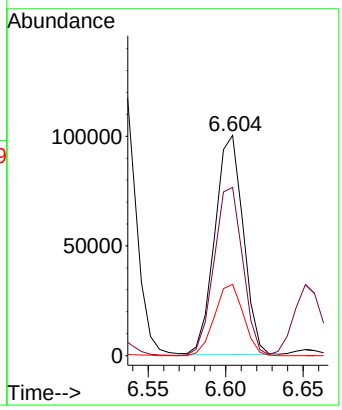




#11
bis(2-Chloroethyl)ether
Concen: 38.142 ng
RT: 6.604 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 93 Resp: 12740

Ion	Ratio	Lower	Upper
93	100		
63	76.4	55.2	95.2
95	32.4	11.2	51.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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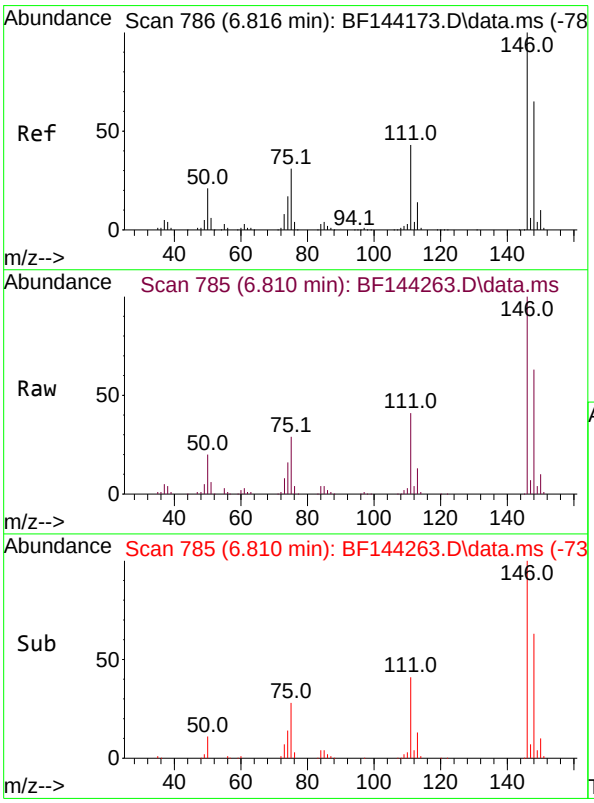
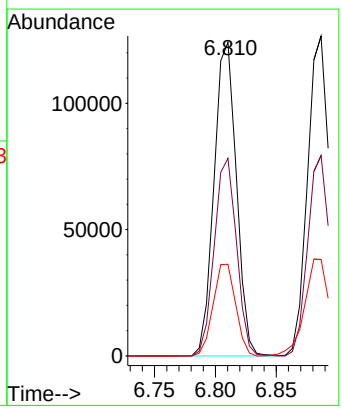
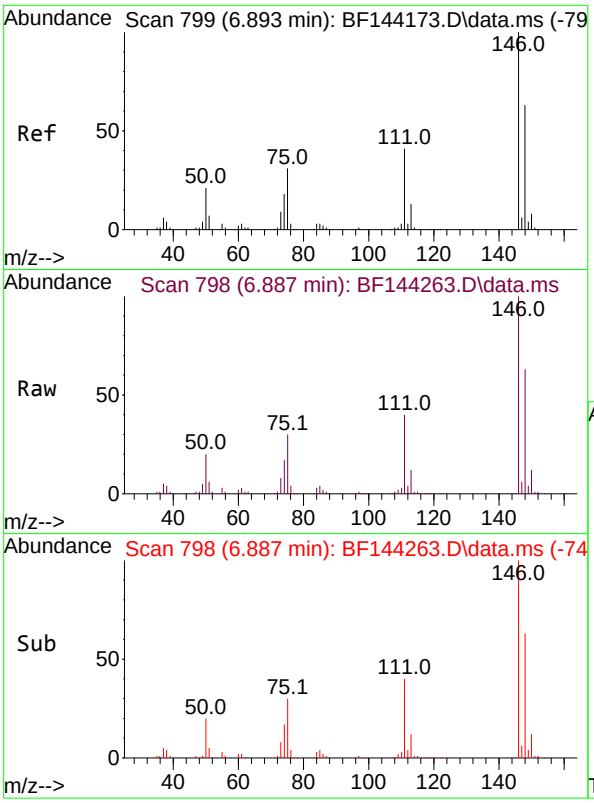


#12
1,3-Dichlorobenzene
Concen: 39.476 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:146 Resp: 158188

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.8
75	29.2	25.0	37.4

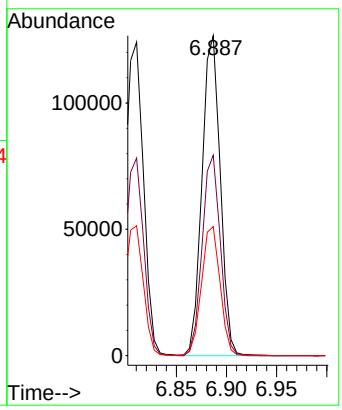




#13
1,4-Dichlorobenzene
Concen: 39.857 ng
RT: 6.887 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:146 Resp: 160009

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.2	75.2
111	40.3	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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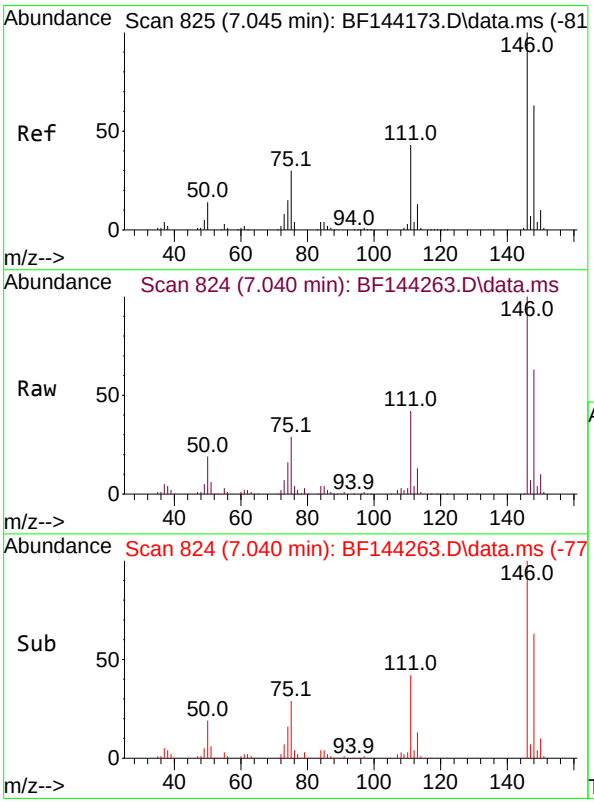
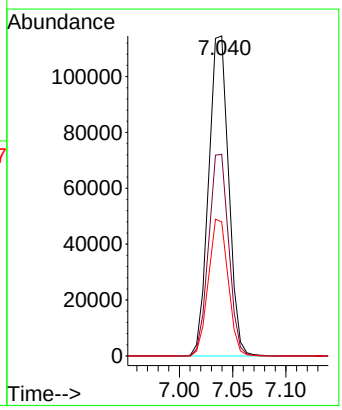
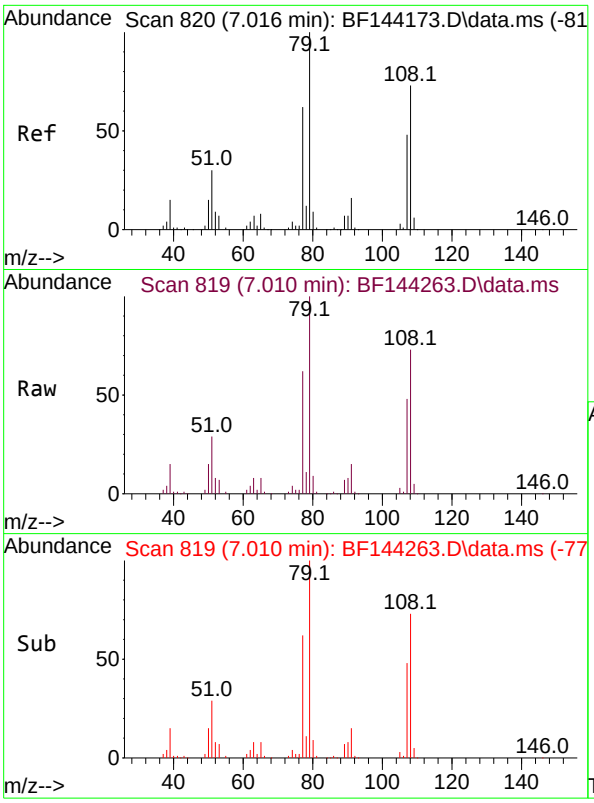


#14
1,2-Dichlorobenzene
Concen: 38.933 ng
RT: 7.040 min Scan# 824
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:146 Resp: 149814

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.7	76.1
111	41.9	34.2	51.4





#15
Benzyl Alcohol
Concen: 38.616 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 79 Resp: 11472

Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.2	87.4
77	62.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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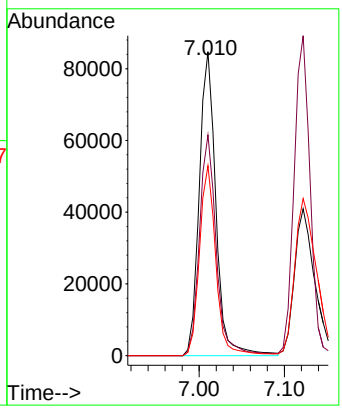
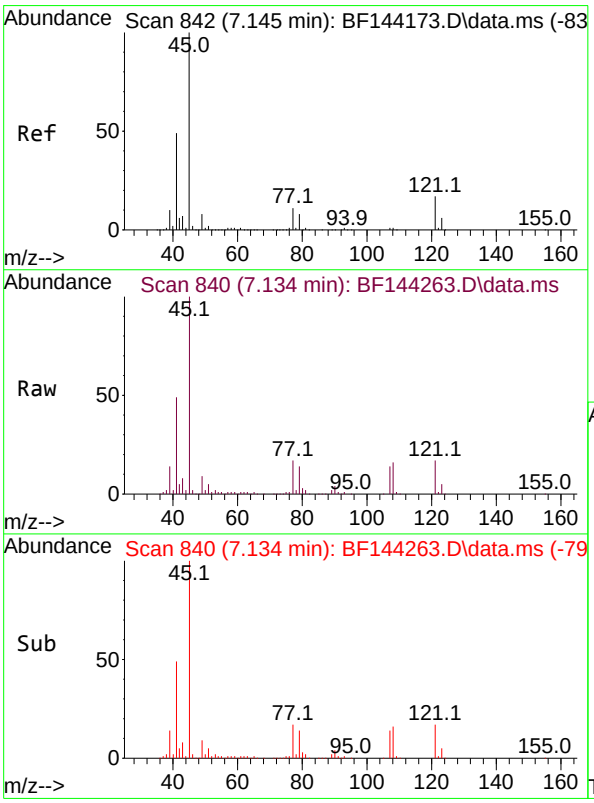
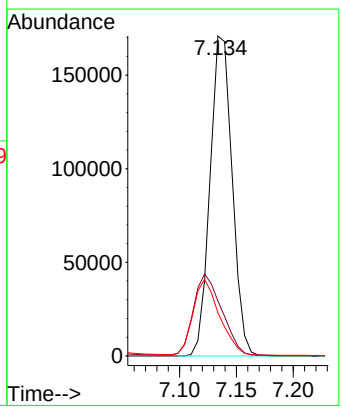


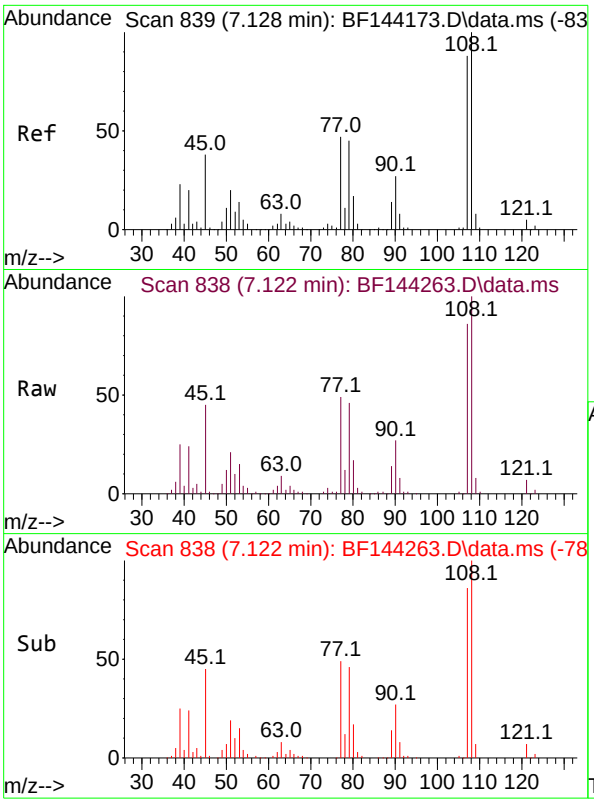


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.677 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 45 Resp: 231766

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	31.8
79	13.5	0.0	29.1

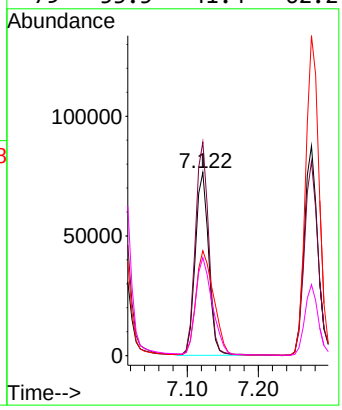




#17
2-Methylphenol
Concen: 38.610 ng
RT: 7.122 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:107 Resp: 9974

Ion	Ratio	Lower	Upper
107	100		
108	116.7	91.0	136.4
77	57.3	42.7	64.1
79	53.5	41.4	62.2



Instrument :
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ClientSampleId :
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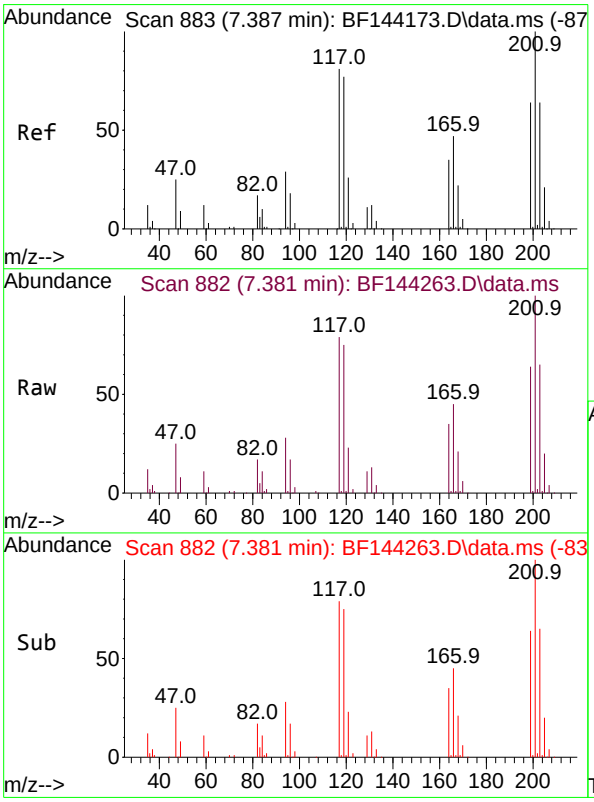
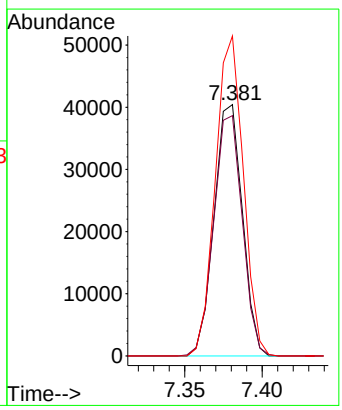
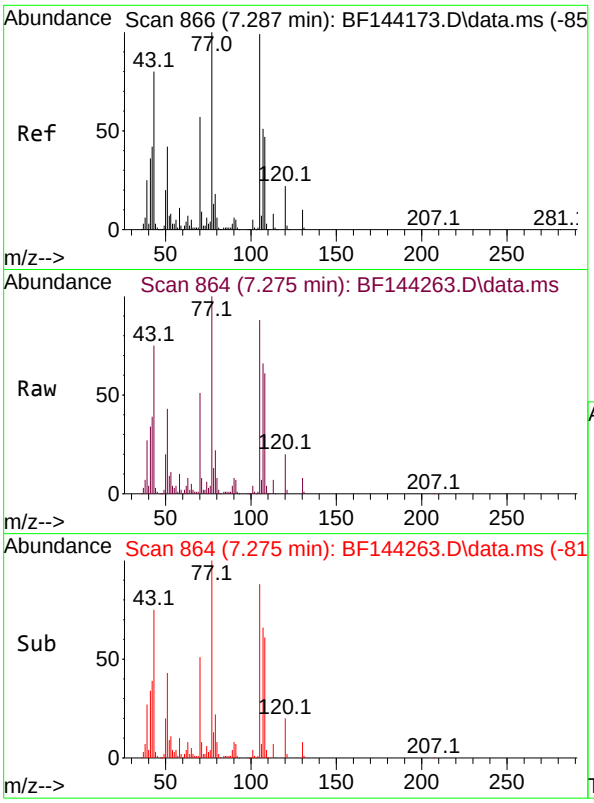


#18
Hexachloroethane
Concen: 38.613 ng
RT: 7.381 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:117 Resp: 51501

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	127.3	98.9	148.3

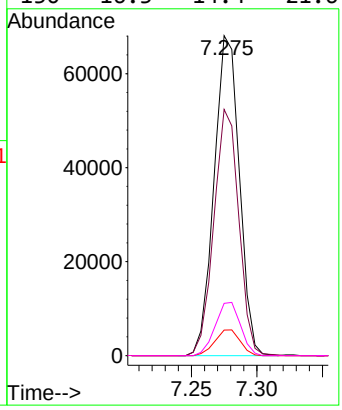




#19
n-Nitroso-di-n-propylamine
Concen: 37.012 ng
RT: 7.275 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 70 Resp: 9142

Ion	Ratio	Lower	Upper
70	100		
42	76.9	58.3	87.5
101	8.0	7.0	10.6
130	16.3	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
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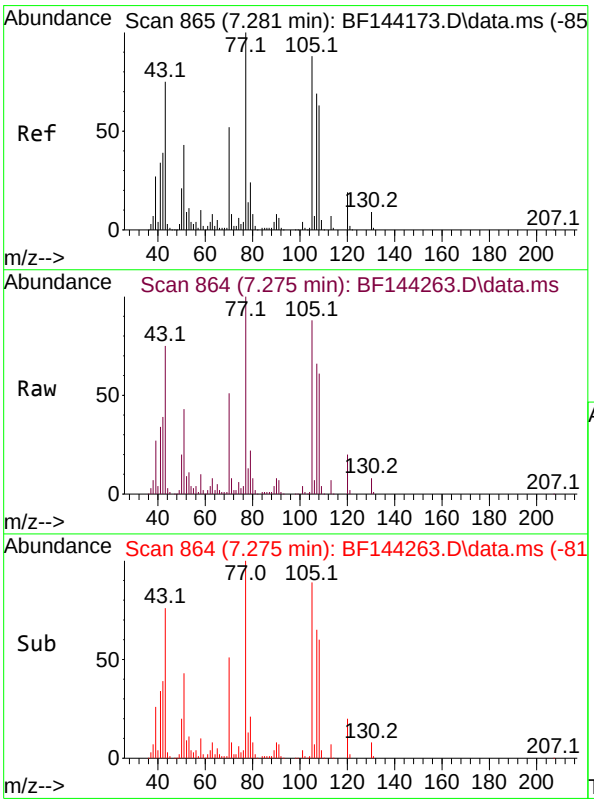
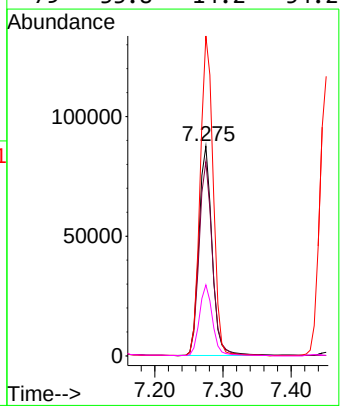
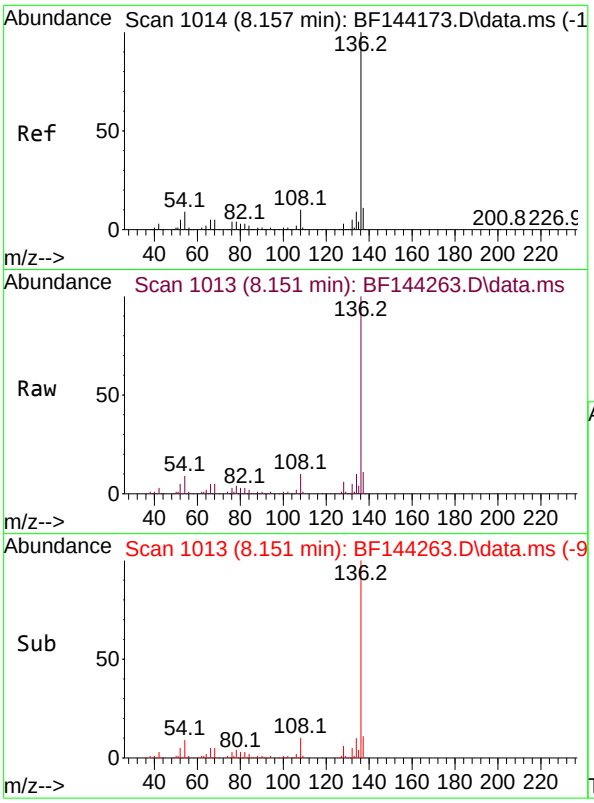


#20
3+4-Methylphenols
Concen: 38.694 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:107 Resp: 117841

Ion	Ratio	Lower	Upper
107	100		
108	92.6	70.2	110.2
77	152.7	123.9	163.9
79	33.8	14.2	54.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 19146

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	7.0	10.6
68	5.1	4.3	6.5

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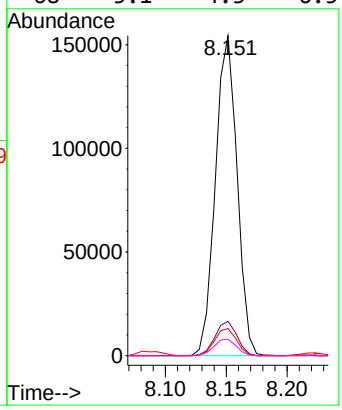
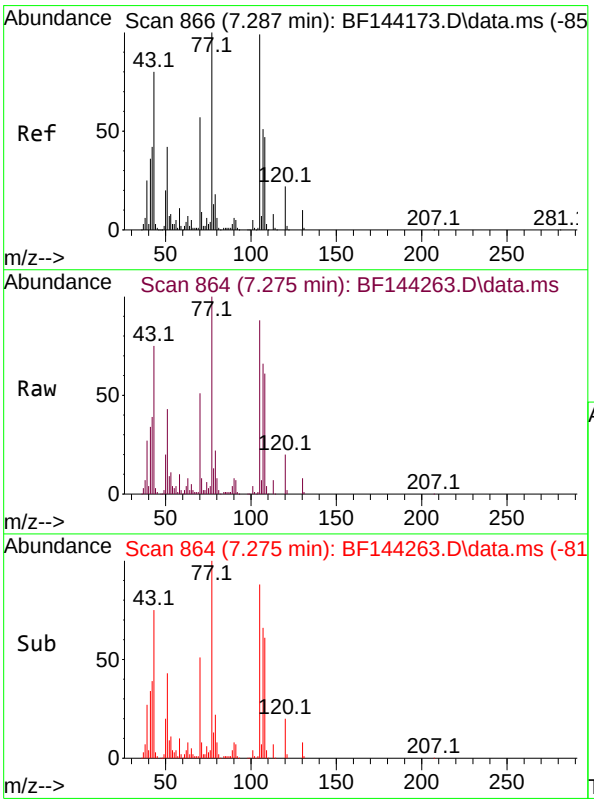
Supervised By :Sohil Jodhani 11/18/2025

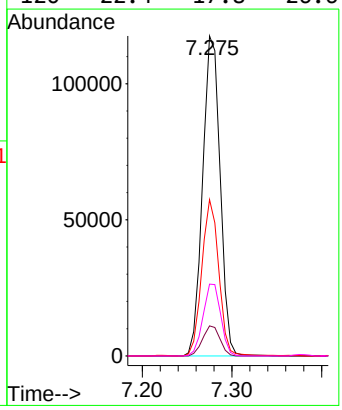


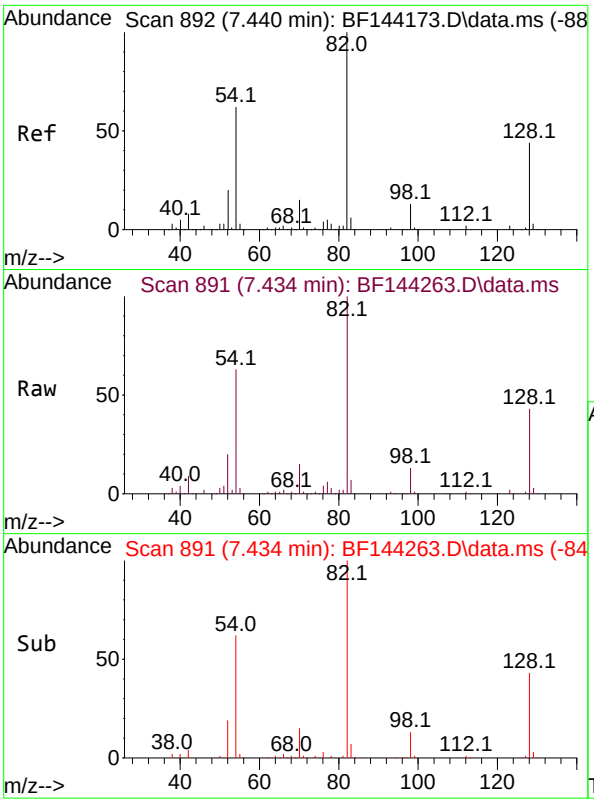


#22
Acetophenone
Concen: 38.915 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:105 Resp: 159839

Ion	Ratio	Lower	Upper
105	100		
71	9.4	7.2	10.8
51	48.8	34.0	51.0
120	22.4	17.8	26.6

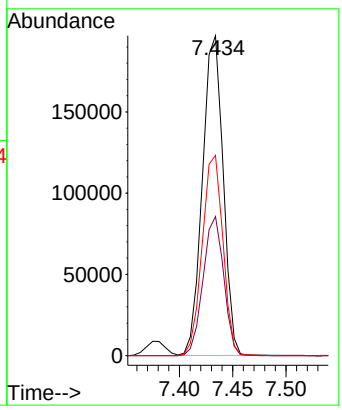




#23
Nitrobenzene-d5
Concen: 80.061 ng
RT: 7.434 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 82 Resp: 26541

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.7	52.1
54	62.6	49.5	74.3



Instrument :
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ClientSampleId :
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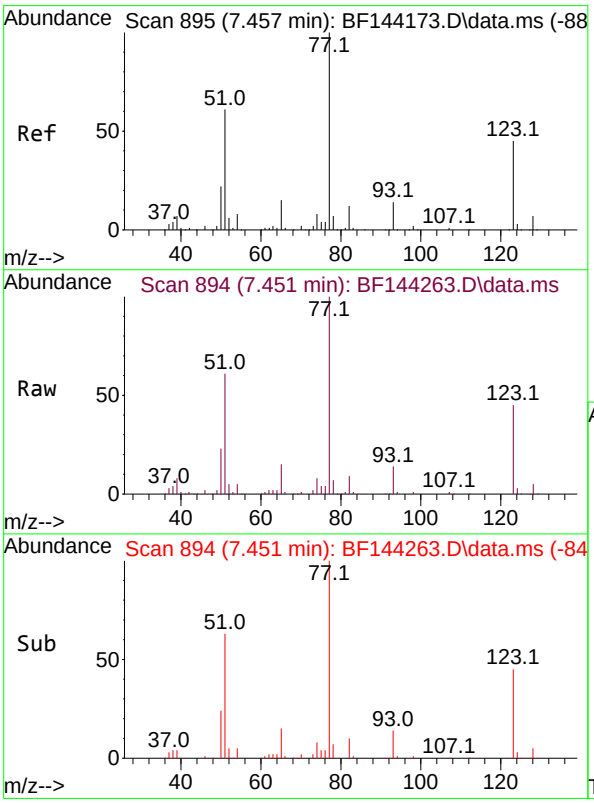
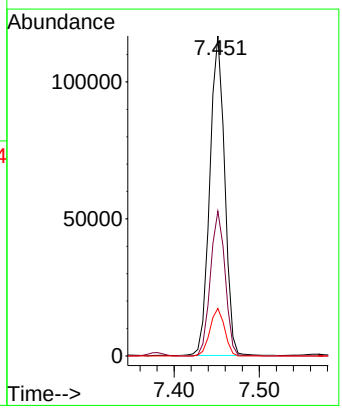
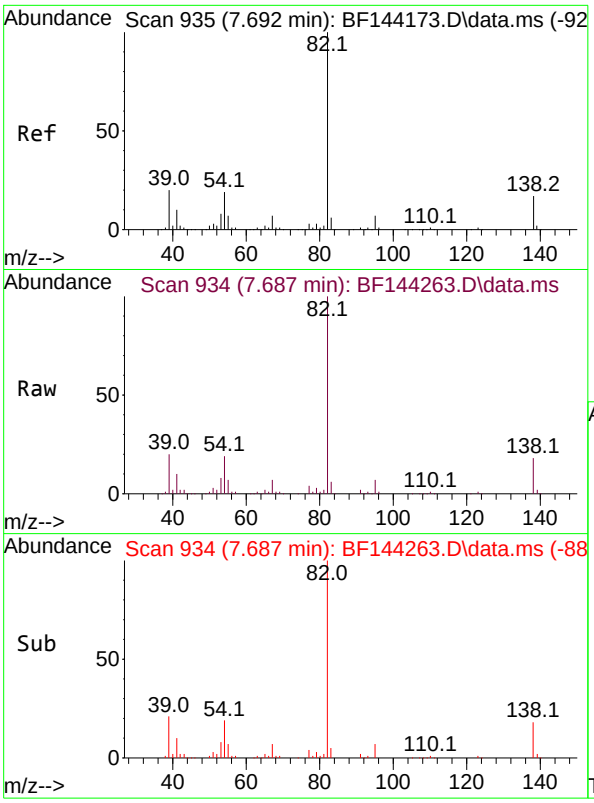


#24
Nitrobenzene
Concen: 39.266 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 77 Resp: 141335

Ion	Ratio	Lower	Upper
77	100		
123	45.2	35.8	53.8
65	14.8	12.2	18.2

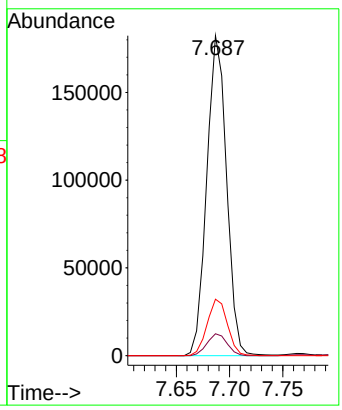




#25
Isophorone
Concen: 37.617 ng
RT: 7.687 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 82 Resp: 23588

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.6	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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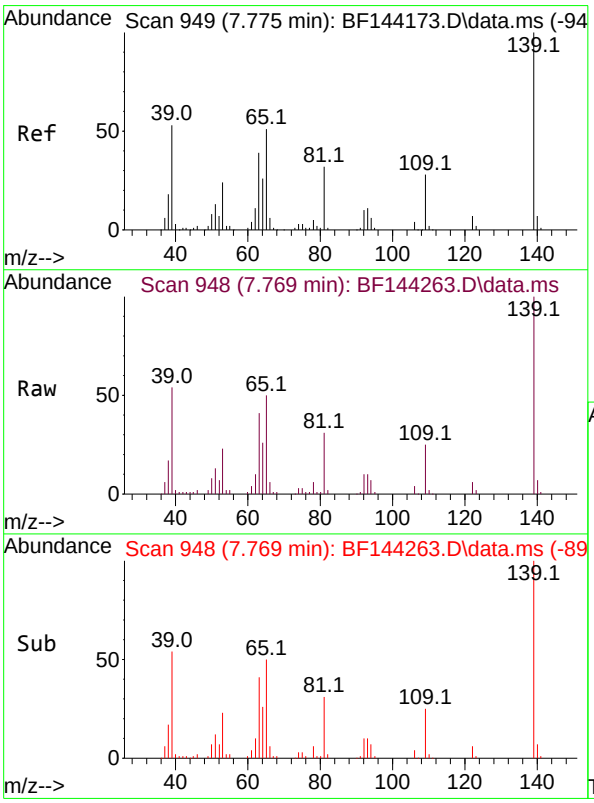
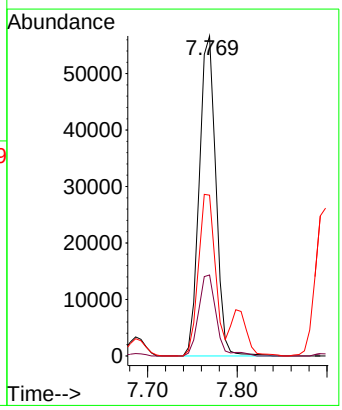
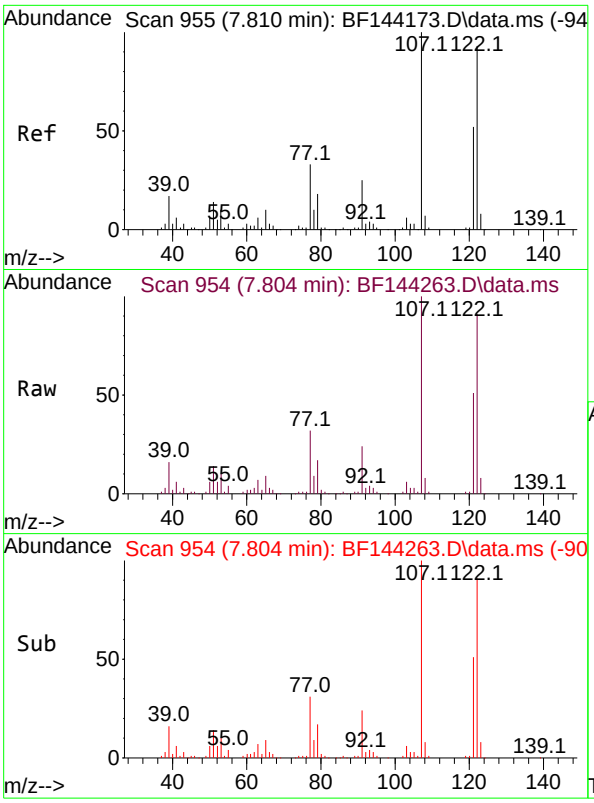


#26
2-Nitrophenol
Concen: 40.823 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:139 Resp: 72738

Ion	Ratio	Lower	Upper
139	100		
109	25.3	22.2	33.2
65	50.2	40.7	61.1

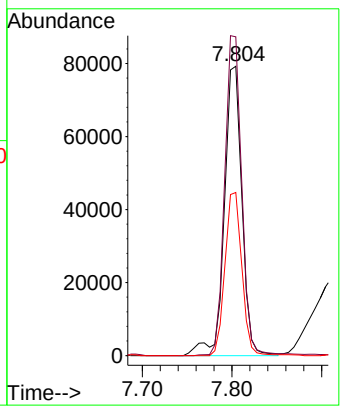




#27
2,4-Dimethylphenol
Concen: 40.622 ng
RT: 7.804 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:122 Resp: 10848

Ion	Ratio	Lower	Upper
122	100		
107	110.2	86.2	129.4
121	56.4	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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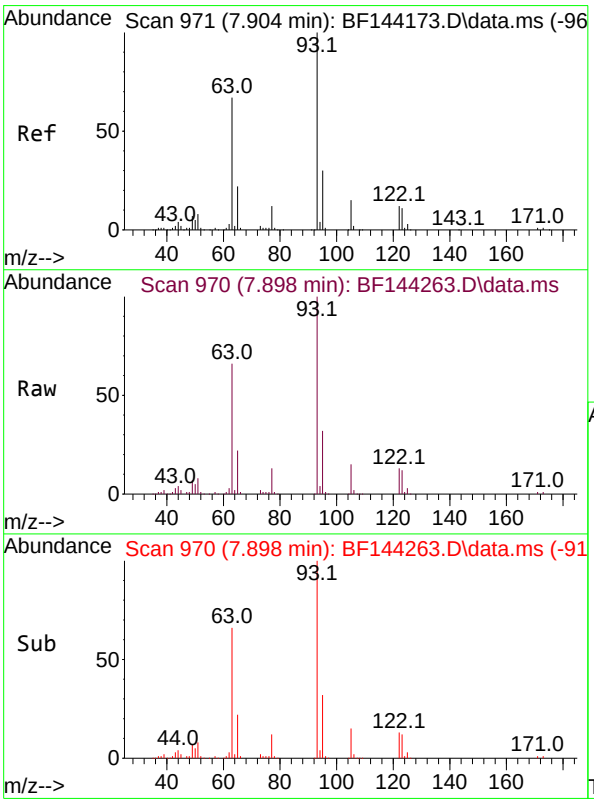
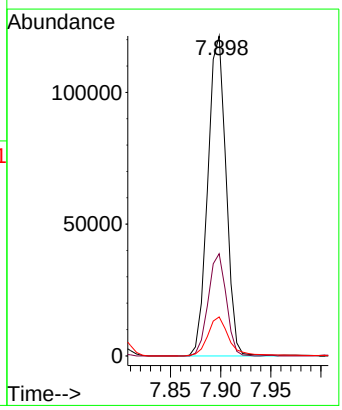
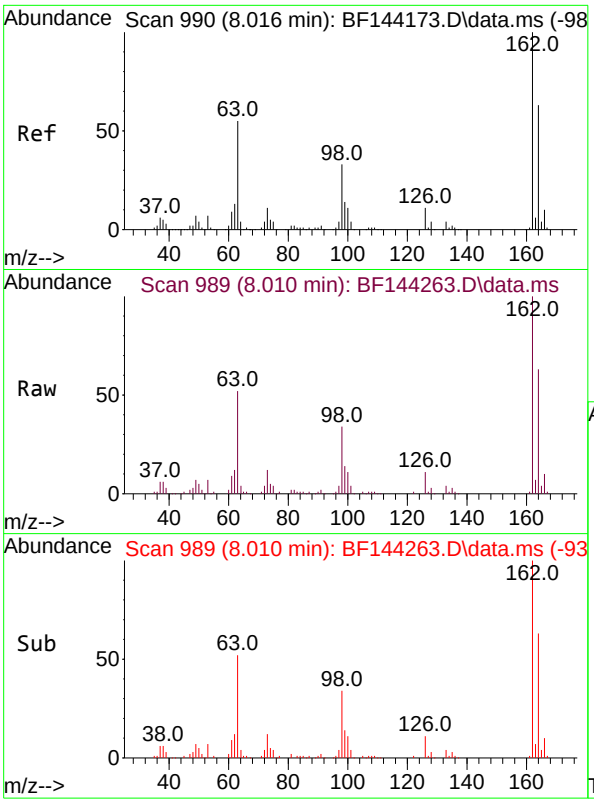


#28
bis(2-Chloroethoxy)methane
Concen: 39.042 ng
RT: 7.898 min Scan# 970
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 93 Resp: 152879

Ion	Ratio	Lower	Upper
93	100		
95	31.9	24.2	36.4
123	12.2	9.0	13.4

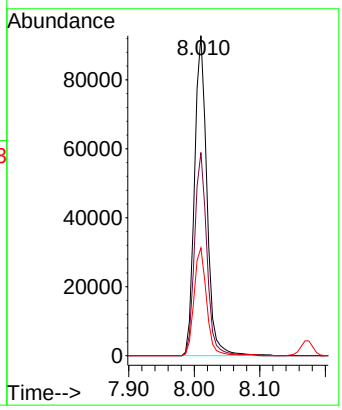




#29
2,4-Dichlorophenol
Concen: 39.632 ng
RT: 8.010 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:162 Resp: 121989

Ion	Ratio	Lower	Upper
162	100		
164	63.5	42.9	82.9
98	33.7	13.3	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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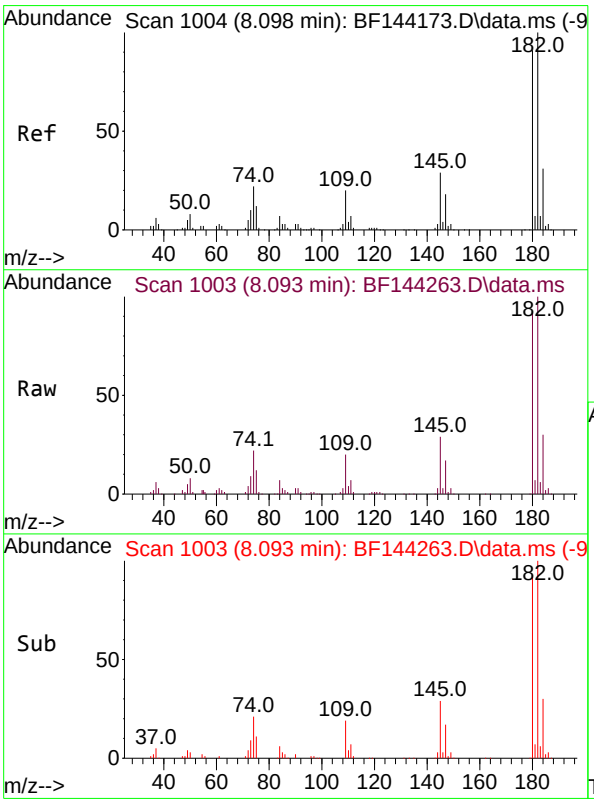
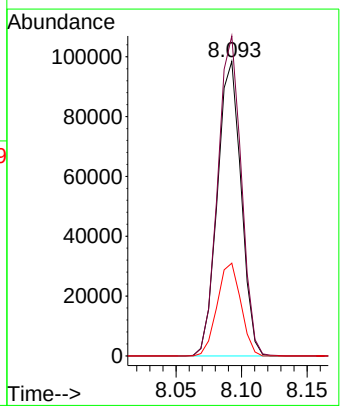
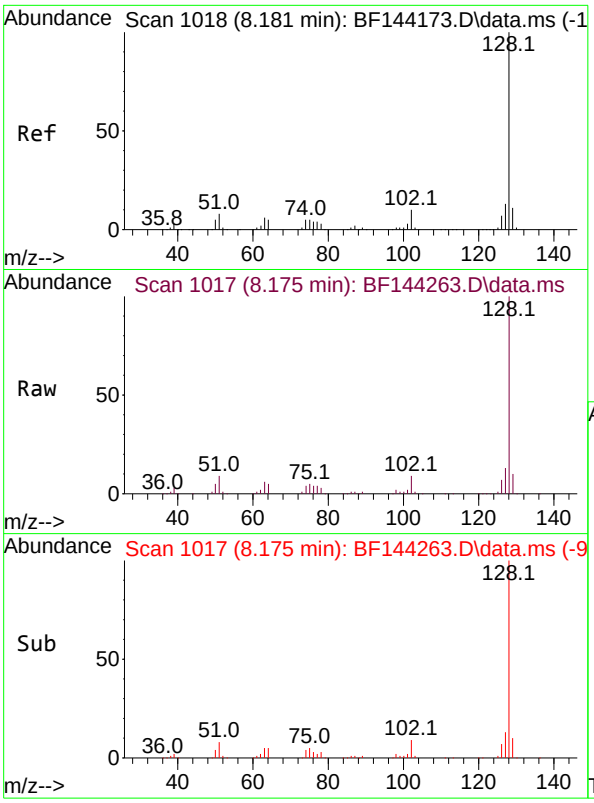


#30
1,2,4-Trichlorobenzene
Concen: 39.180 ng
RT: 8.093 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:180 Resp: 123836

Ion	Ratio	Lower	Upper
180	100		
182	108.7	87.7	131.5
145	31.5	25.4	38.0





#31
Naphthalene
Concen: 39.266 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:128 Resp: 35763

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.9	13.3
127	13.1	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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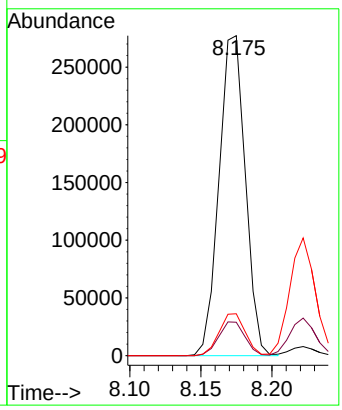
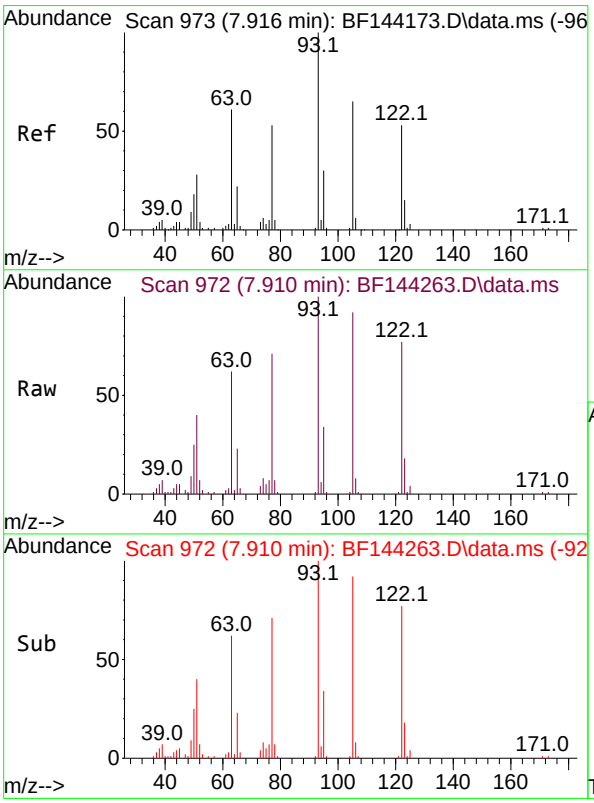
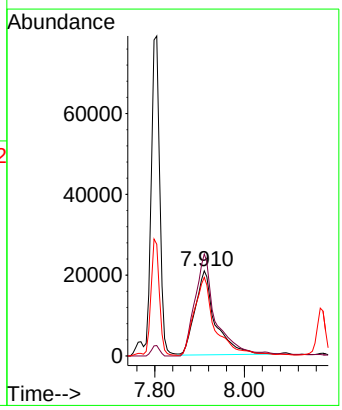


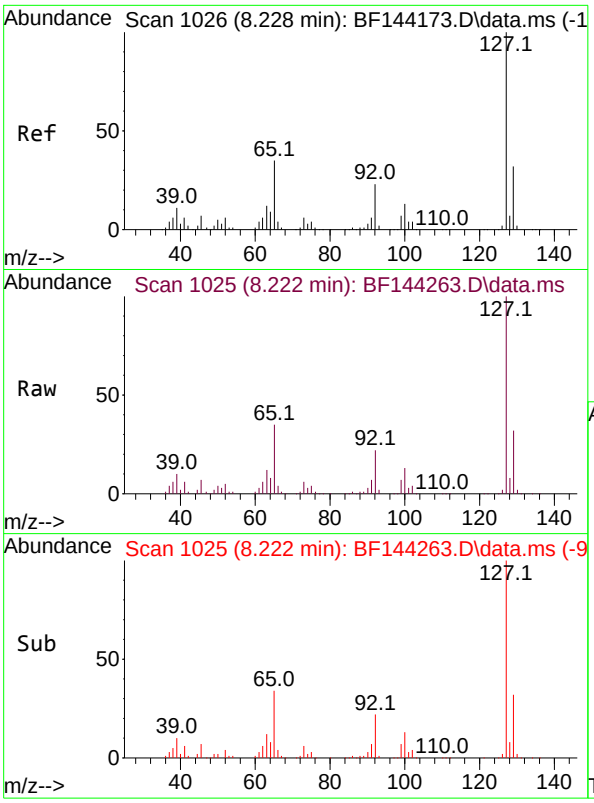


#32
Benzoic acid
Concen: 33.408 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.041 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:122 Resp: 65400

Ion	Ratio	Lower	Upper
122	100		
105	119.9	99.9	139.9
77	92.4	77.5	117.5

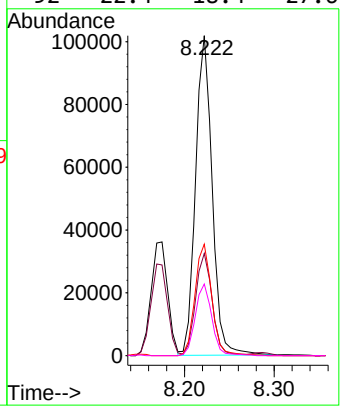




#33
4-Chloroaniline
Concen: 39.392 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:127 Resp: 13084

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.3	37.9
65	34.8	27.6	41.4
92	22.4	18.4	27.6



Instrument :
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ClientSampleId :
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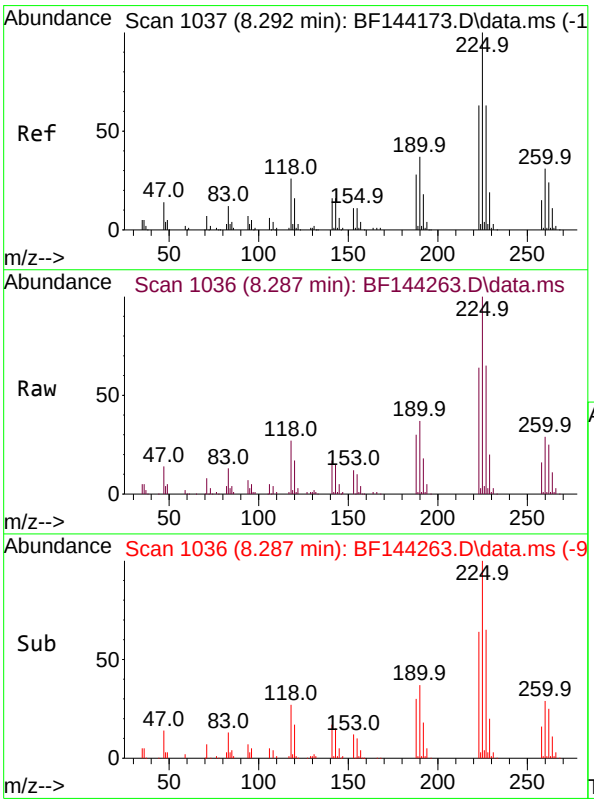
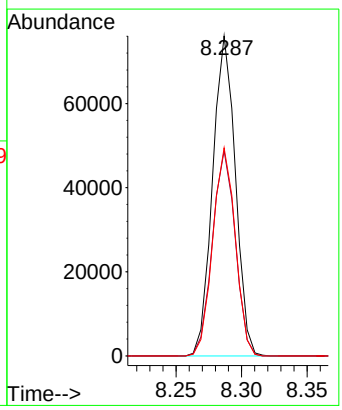
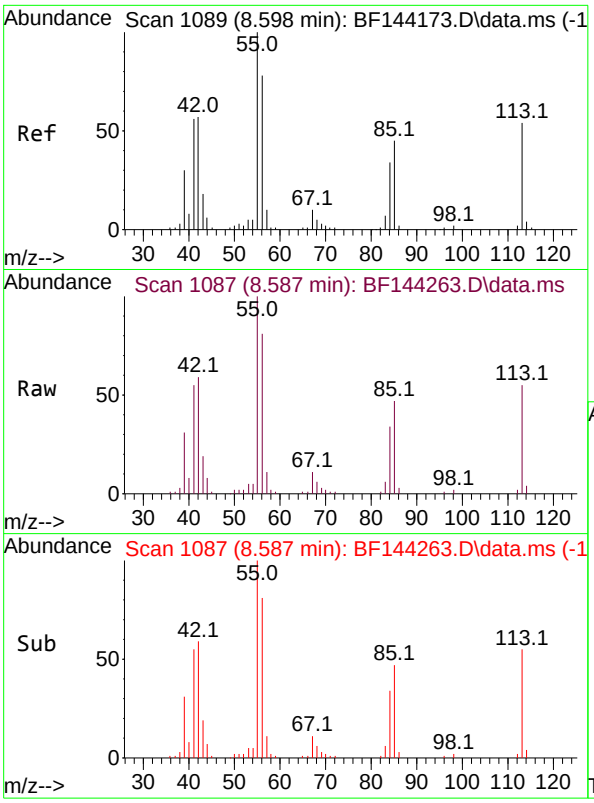


#34
Hexachlorobutadiene
Concen: 38.622 ng
RT: 8.287 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:225 Resp: 92001

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.4
227	65.0	50.1	75.1





#35
Caprolactam
Concen: 37.901 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:113 Resp: 3196

Ion	Ratio	Lower	Upper
113	100		
55	182.2	166.8	206.8
56	147.9	125.9	165.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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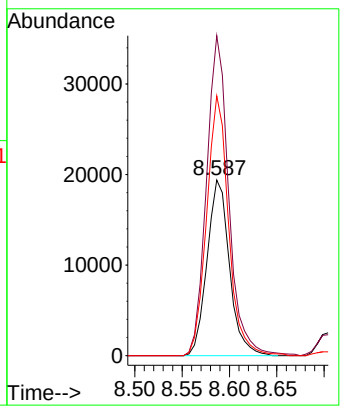
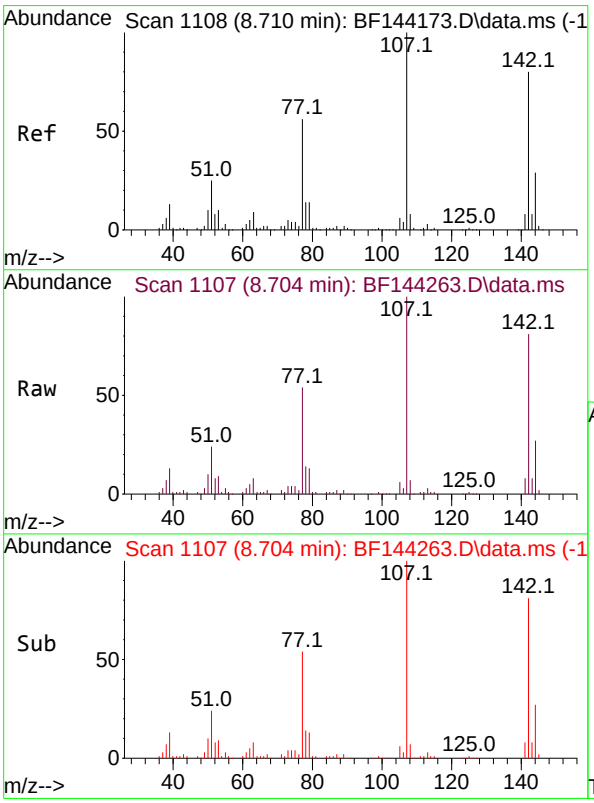
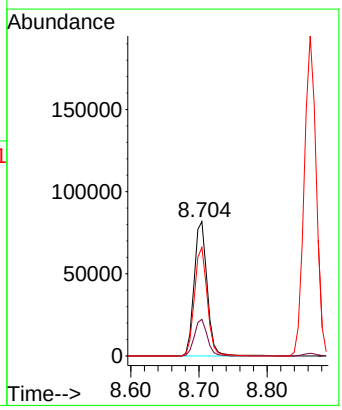


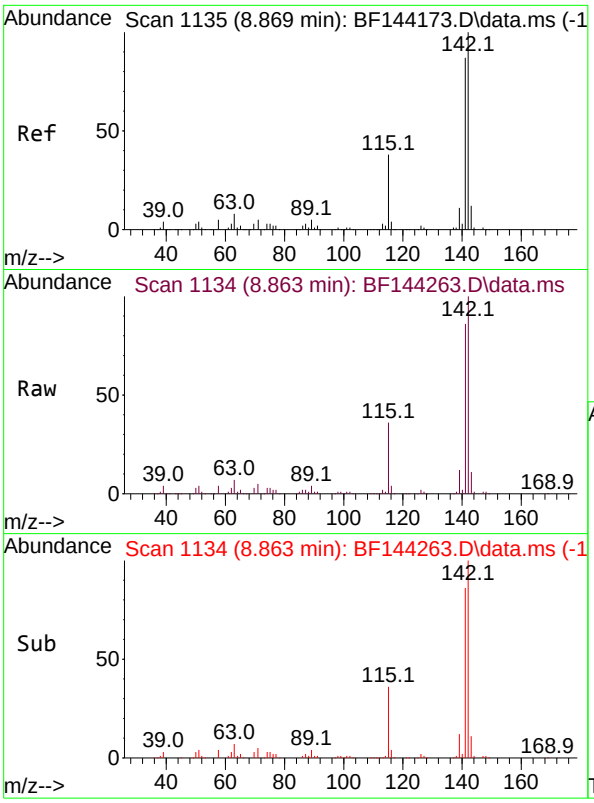


#36
4-Chloro-3-methylphenol
Concen: 39.422 ng
RT: 8.704 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:107 Resp: 108748

Ion	Ratio	Lower	Upper
107	100		
144	27.3	23.3	34.9
142	80.6	63.8	95.6





#37
2-Methylnaphthalene
Concen: 39.328 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:142 Resp: 23948

Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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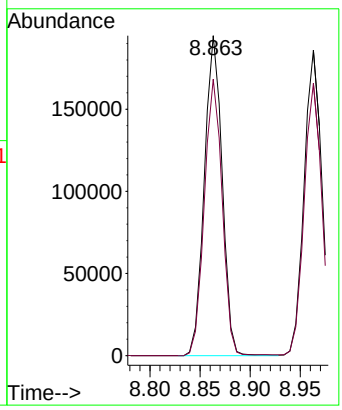
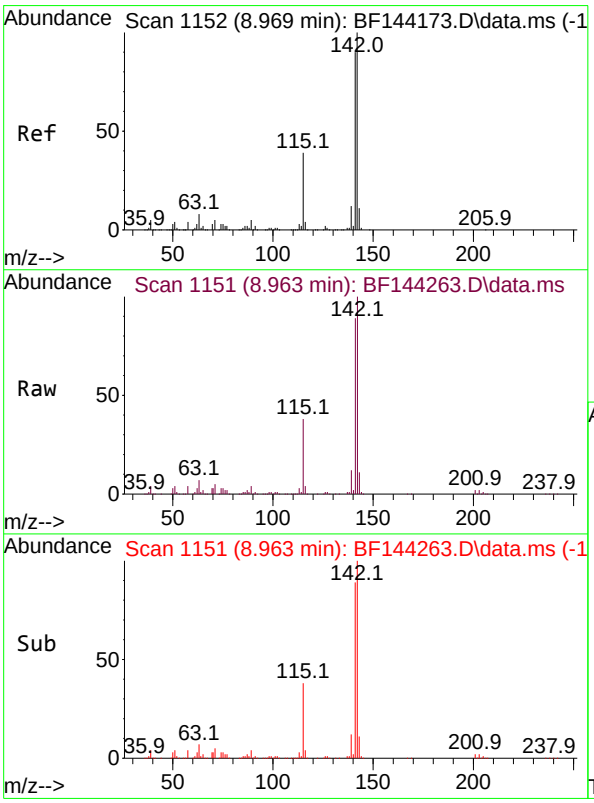
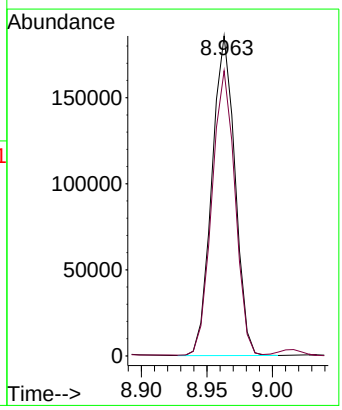


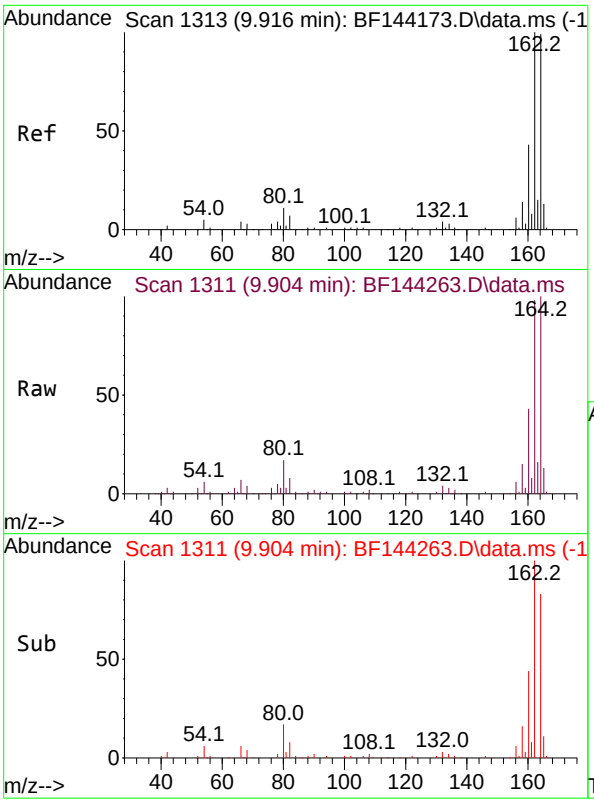


#38
1-Methylnaphthalene
Concen: 38.694 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:142 Resp: 227351

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.1	108.1

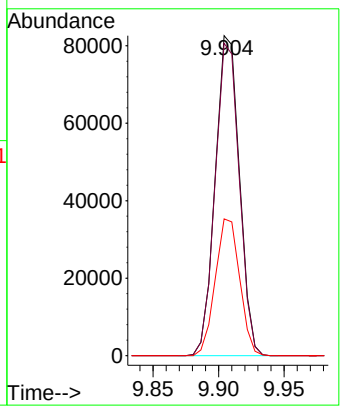




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:164 Resp: 10633

Ion	Ratio	Lower	Upper
164	100		
162	97.6	81.1	121.7
160	42.7	34.5	51.7



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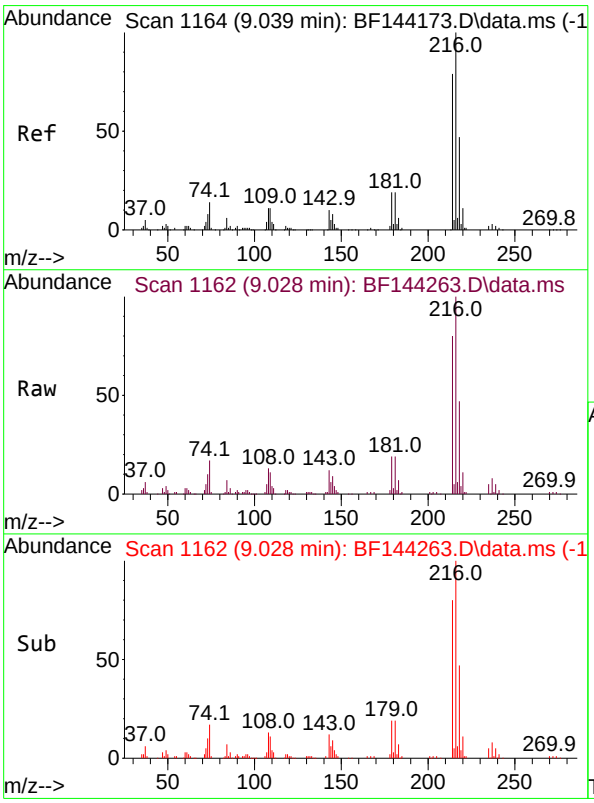
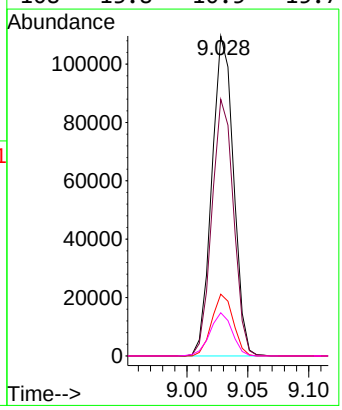
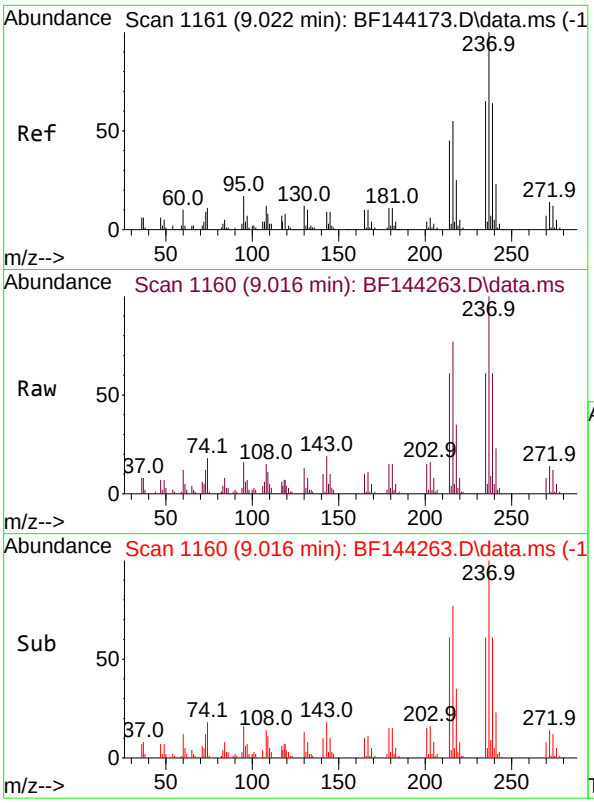


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.939 ng
RT: 9.028 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:216 Resp: 135697

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.4	95.2
179	19.1	15.0	22.4
108	13.8	10.5	15.7

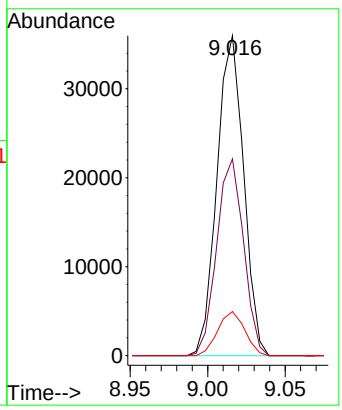




#41
Hexachlorocyclopentadiene
Concen: 40.463 ng
RT: 9.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:237 Resp: 4319

Ion	Ratio	Lower	Upper
237	100		
235	61.5	45.5	85.5
272	13.8	0.0	33.5



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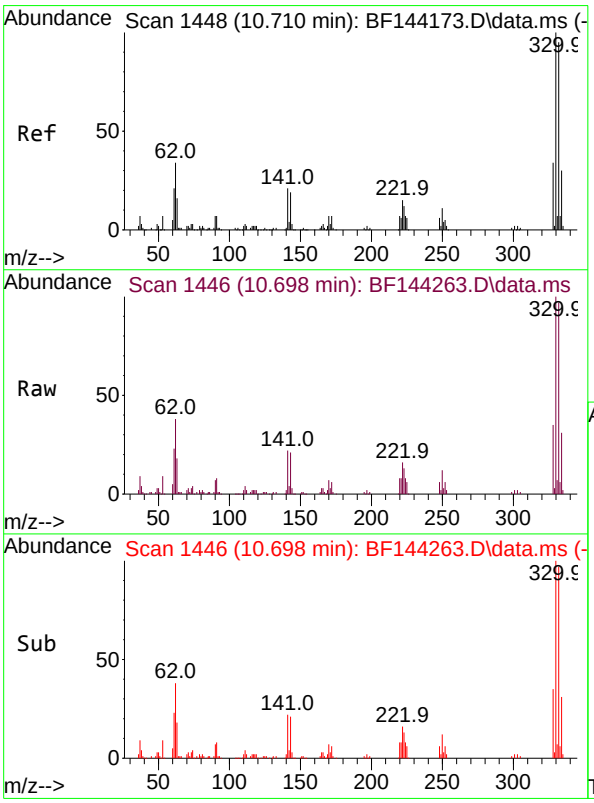
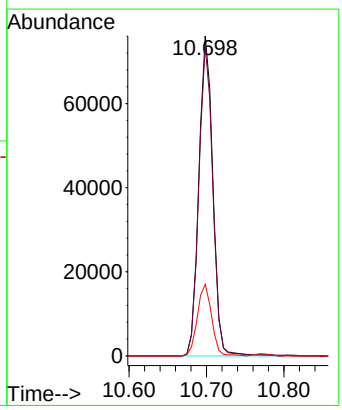
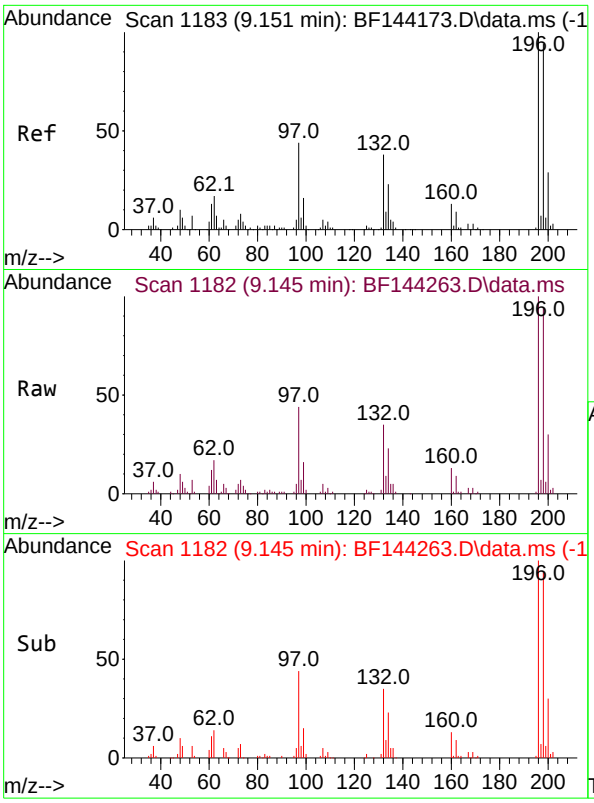


#42
2,4,6-Tribromophenol
Concen: 71.582 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:330 Resp: 95517

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	22.7	17.8	26.8

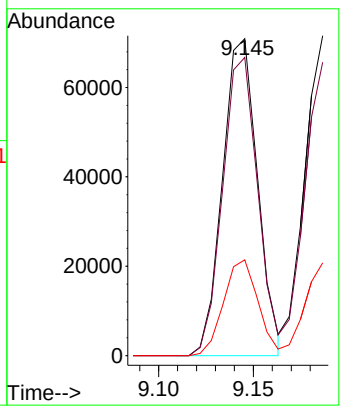




#43
2,4,6-Trichlorophenol
Concen: 38.454 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:196 Resp: 9120

Ion	Ratio	Lower	Upper
196	100		
198	94.1	75.3	112.9
200	30.2	23.4	35.2



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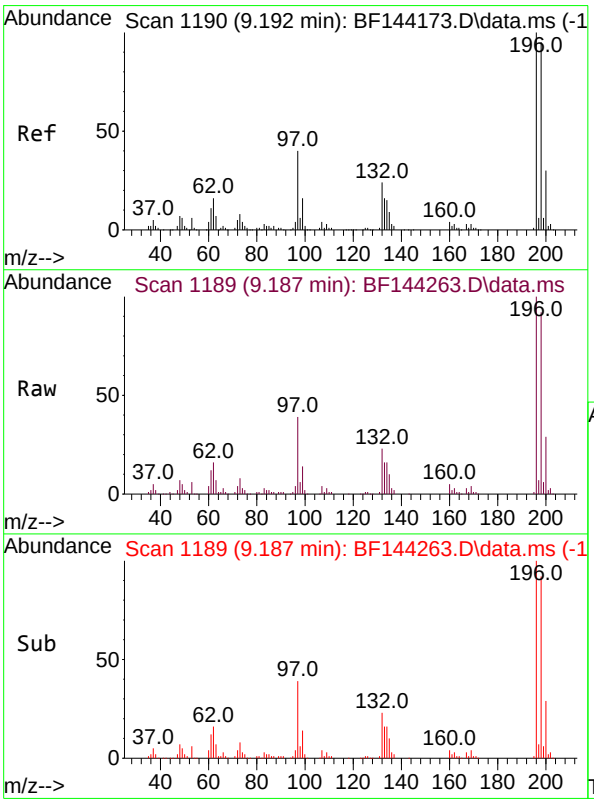
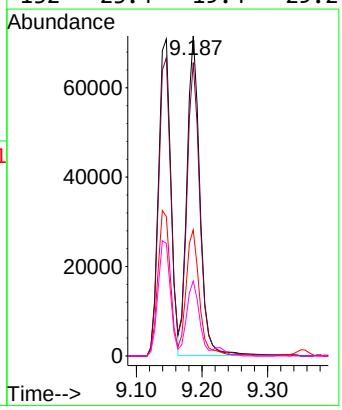
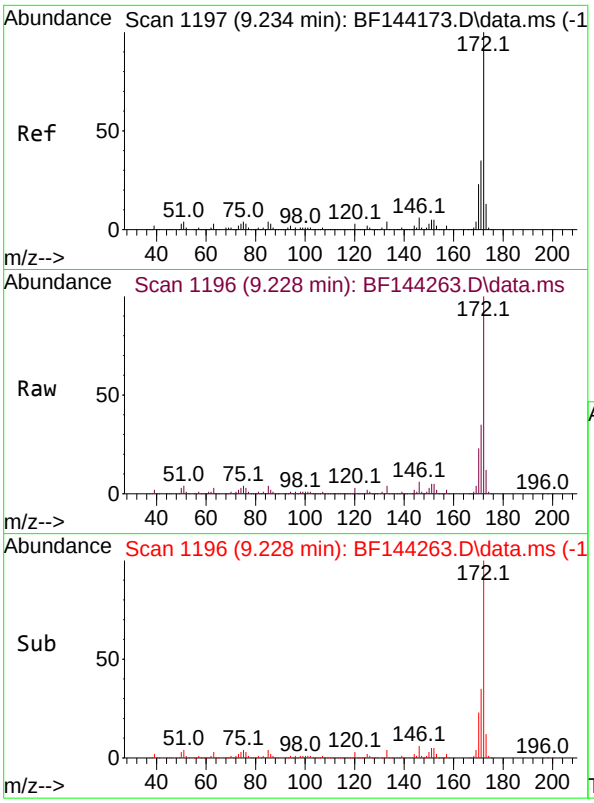


#44
2,4,5-Trichlorophenol
Concen: 38.457 ng
RT: 9.187 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:196 Resp: 98311

Ion	Ratio	Lower	Upper
196	100		
198	91.7	76.1	114.1
97	39.4	31.9	47.9
132	23.4	19.4	29.2

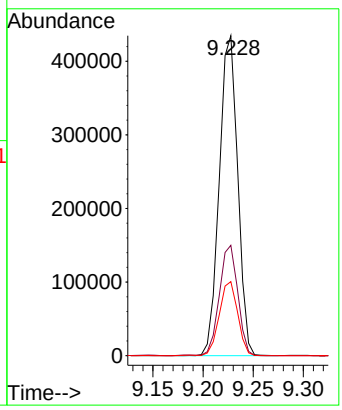




#45
2-Fluorobiphenyl
Concen: 77.328 ng
RT: 9.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:172 Resp: 55673

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	23.1	18.6	28.0



Instrument :
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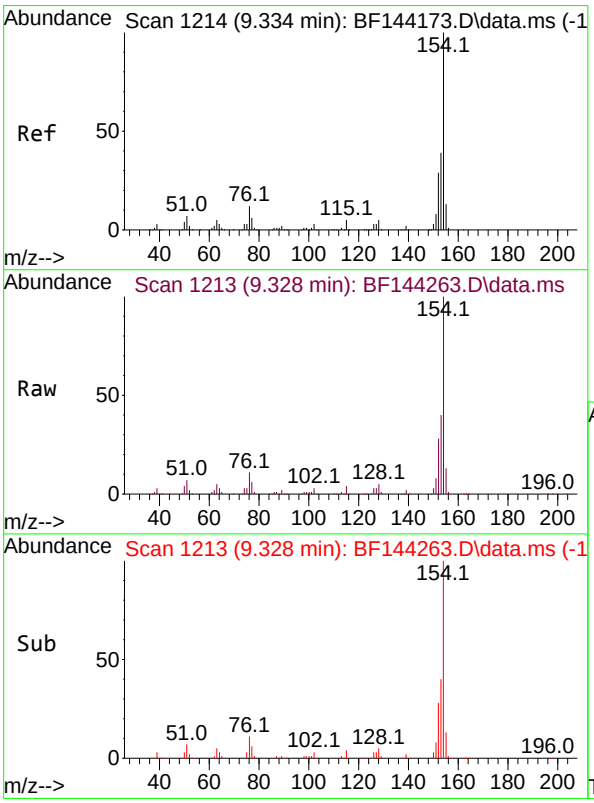
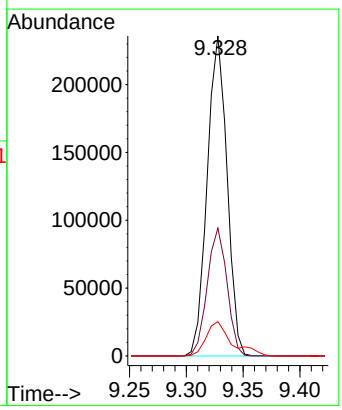
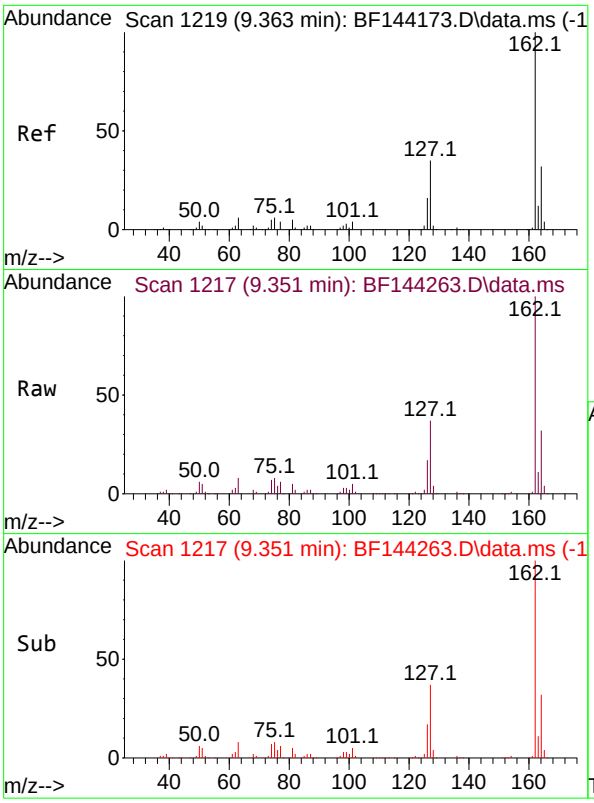


#46
1,1'-Biphenyl
Concen: 38.577 ng
RT: 9.328 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:154 Resp: 286337

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.2	59.2
76	10.8	0.0	31.8

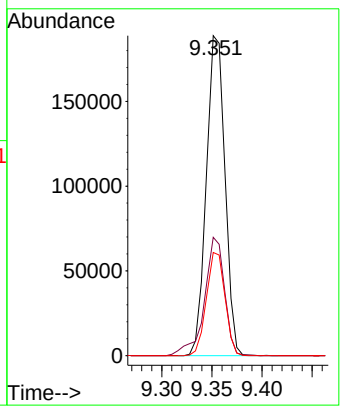




#47
2-Chloronaphthalene
Concen: 38.491 ng
RT: 9.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:162 Resp: 24370

Ion	Ratio	Lower	Upper
162	100		
127	37.0	28.8	43.2
164	32.2	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
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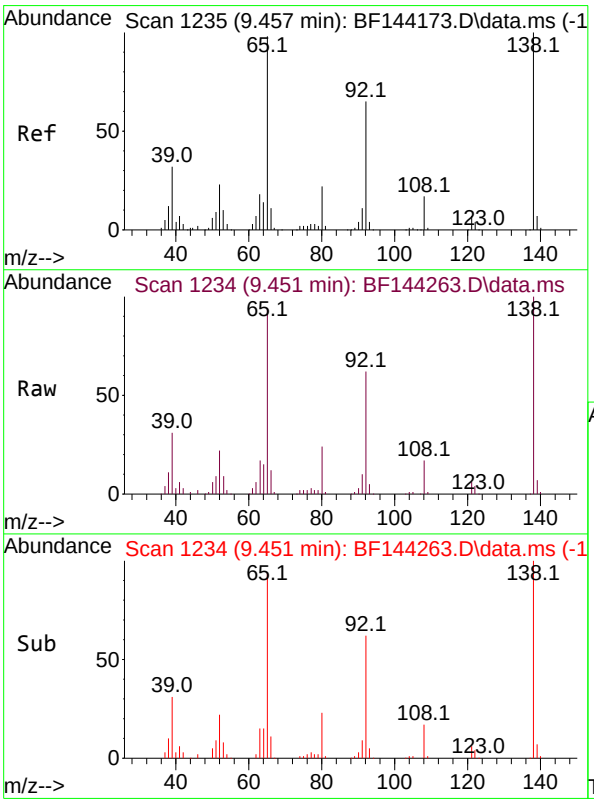
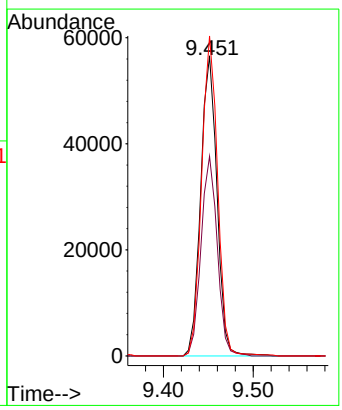
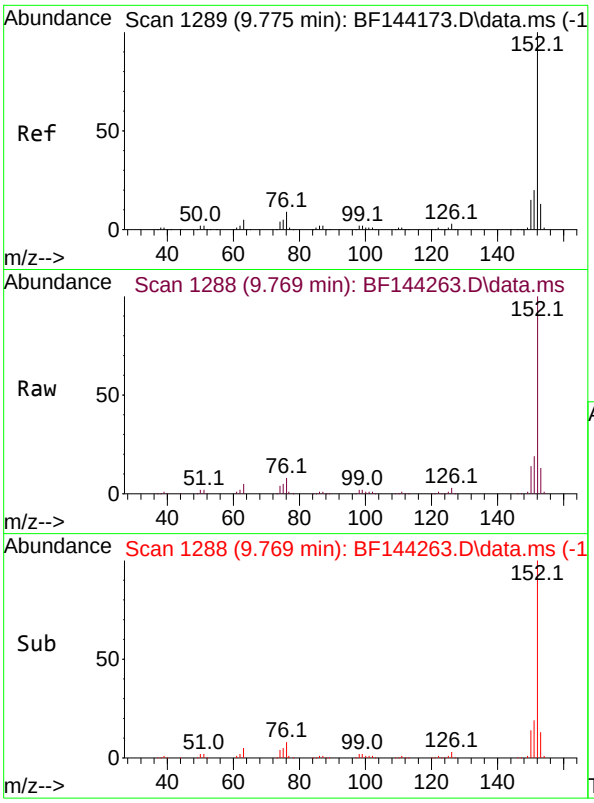


#48
2-Nitroaniline
Concen: 39.040 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion: 65 Resp: 71320

Ion	Ratio	Lower	Upper
65	100		
92	66.5	53.0	79.6
138	106.6	81.6	122.4

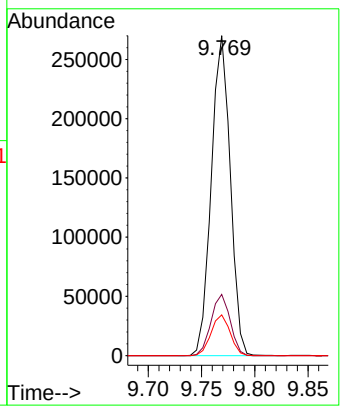




#49
Acenaphthylene
Concen: 38.800 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:152 Resp: 33476

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.7	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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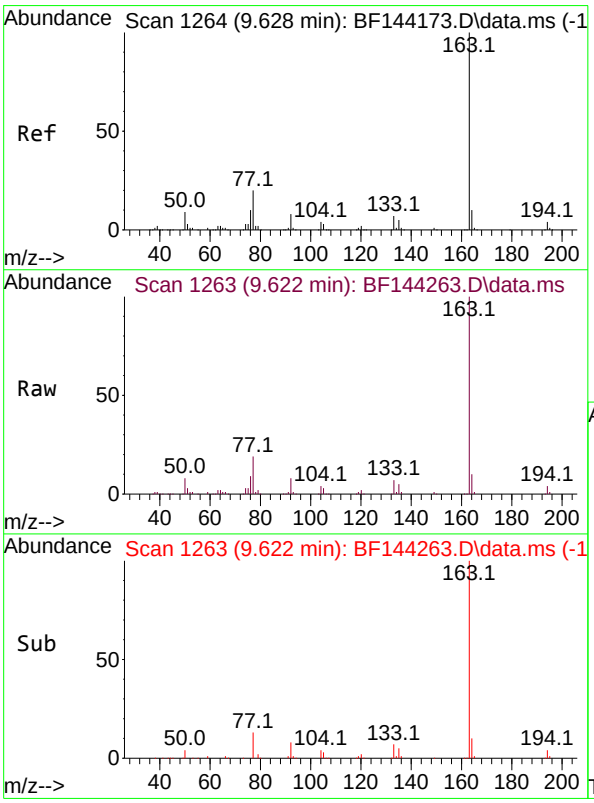
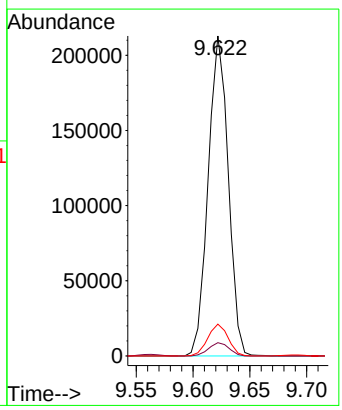
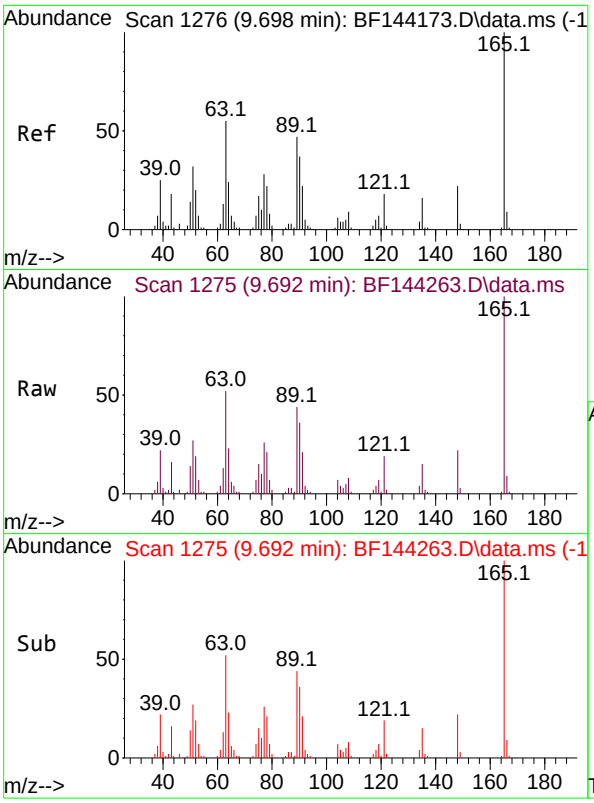


#50
Dimethylphthalate
Concen: 37.187 ng
RT: 9.622 min Scan# 1263
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:163 Resp: 261963

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.9	8.1	12.1

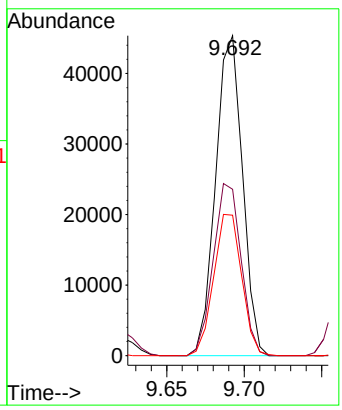




#51
2,6-Dinitrotoluene
Concen: 38.558 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:165 Resp: 5498

Ion	Ratio	Lower	Upper
165	100		
63	52.0	43.8	65.8
89	43.9	37.5	56.3



Instrument :
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ClientSampleId :
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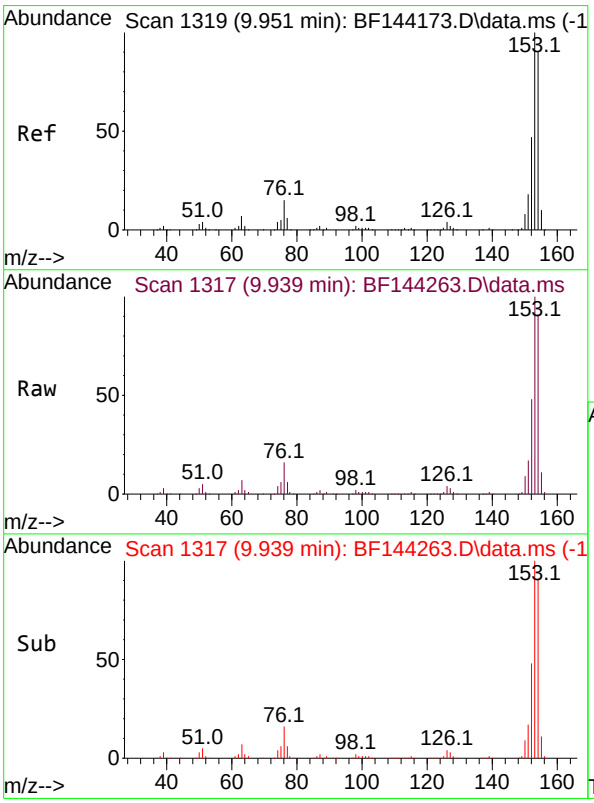
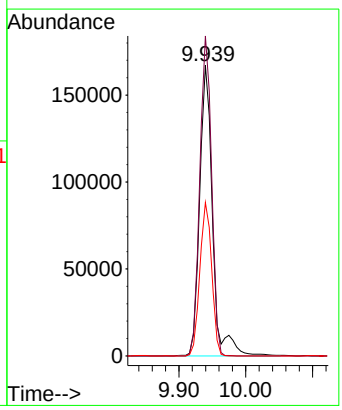
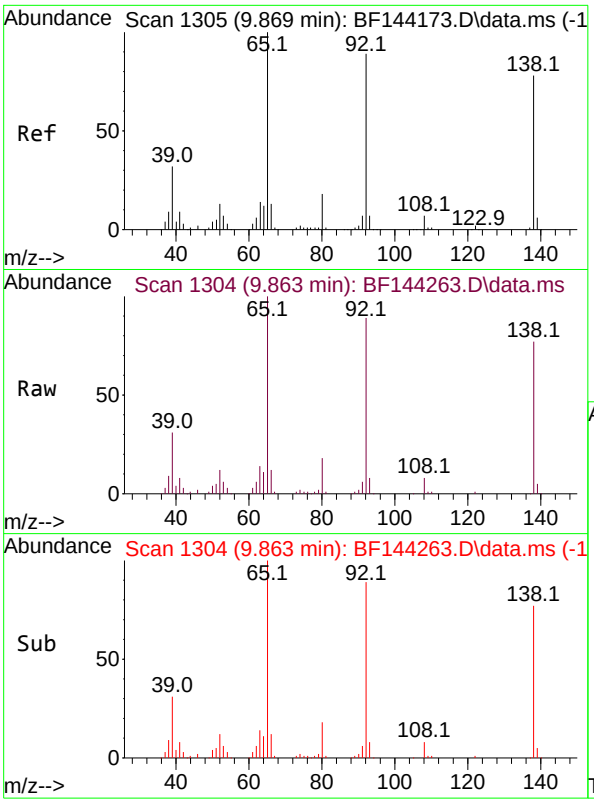


#52
Acenaphthene
Concen: 38.714 ng m
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:154 Resp: 223370

Ion	Ratio	Lower	Upper
154	100		
153	110.1	89.0	133.4
152	52.8	42.2	63.4

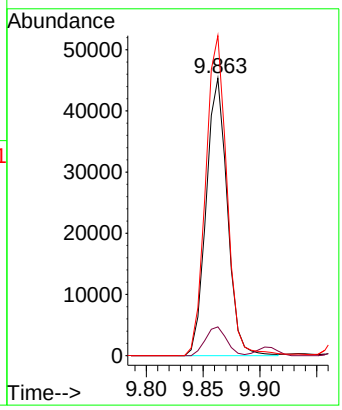




#53
3-Nitroaniline
Concen: 37.681 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:138 Resp: 5873

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.5	11.3
92	115.4	91.8	137.6



Instrument :
BNA_F
ClientSampleId :
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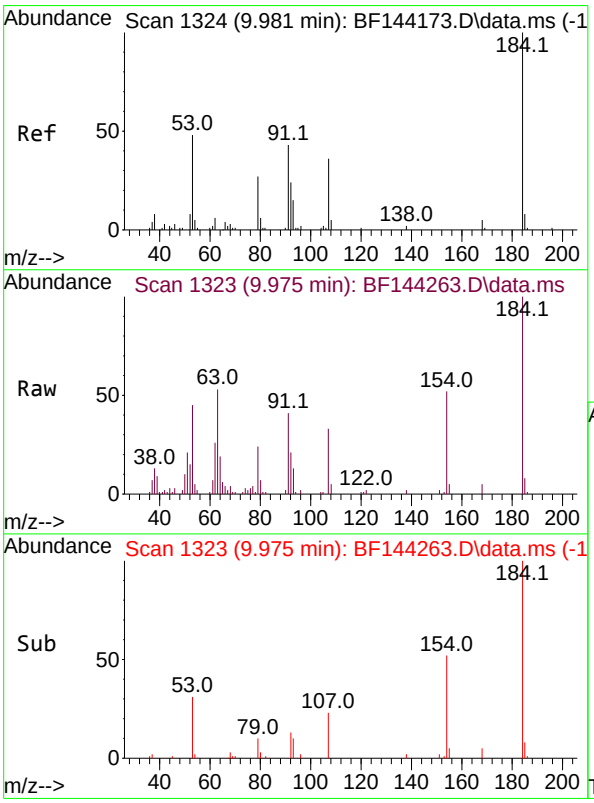
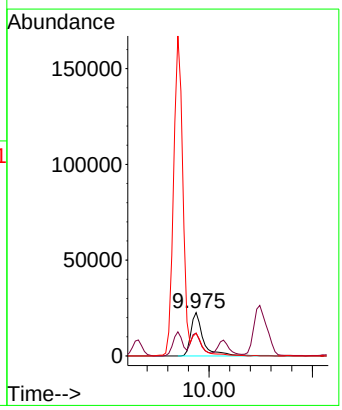
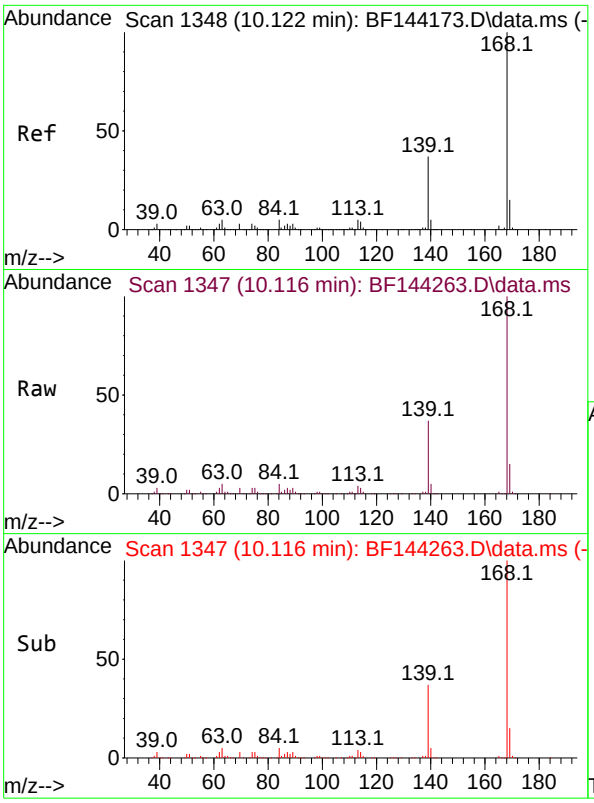


#54
2,4-Dinitrophenol
Concen: 43.712 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:184 Resp: 37641

Ion	Ratio	Lower	Upper
184	100		
63	52.7	44.0	66.0
154	52.3	42.4	63.6

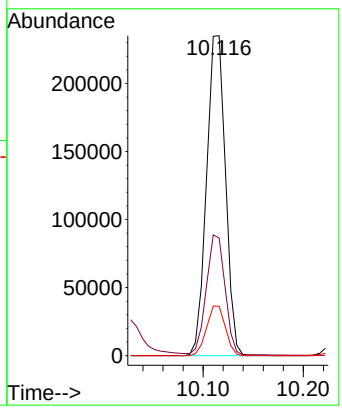




#55
Dibenzofuran
Concen: 38.205 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:168 Resp: 30872

Ion	Ratio	Lower	Upper
168	100		
139	36.7	30.2	45.2
169	15.4	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
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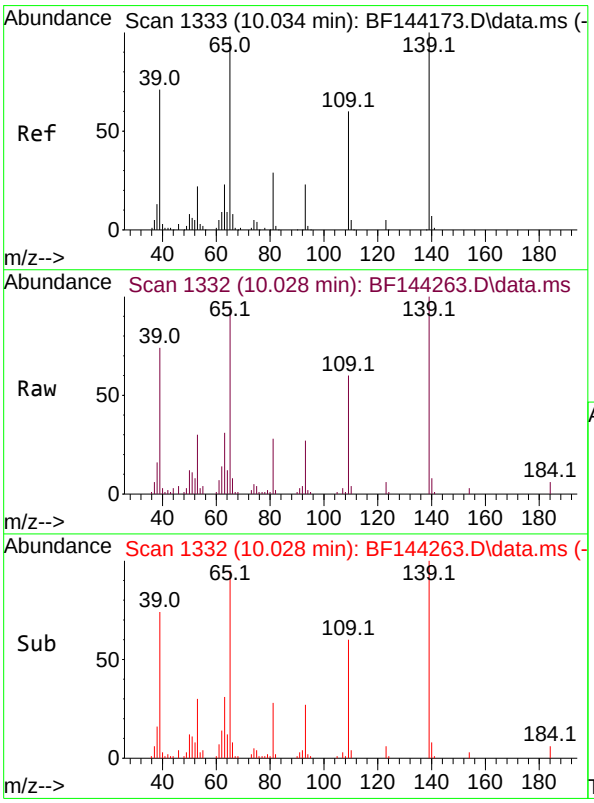
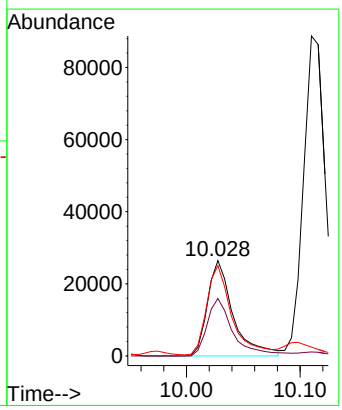
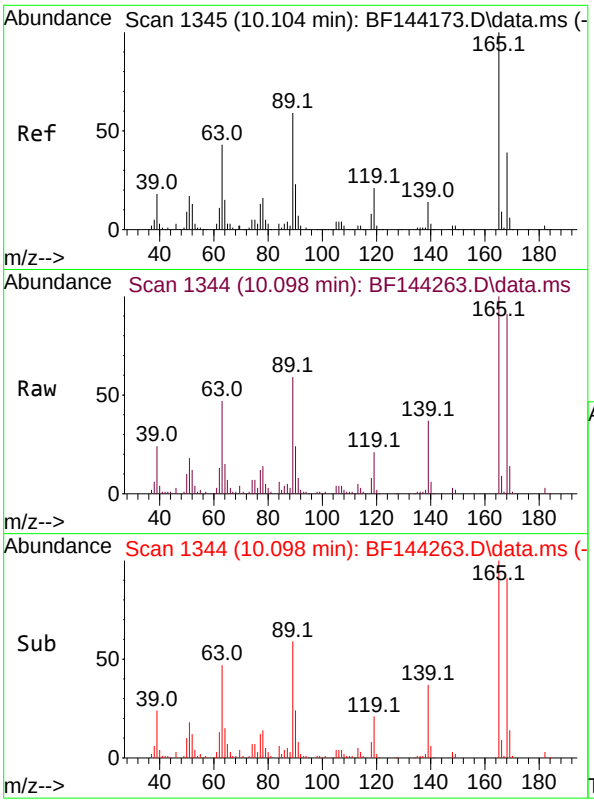


#56
4-Nitrophenol
Concen: 36.626 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:139 Resp: 41300

Ion	Ratio	Lower	Upper
139	100		
109	60.3	39.9	79.9
65	94.7	79.5	119.5

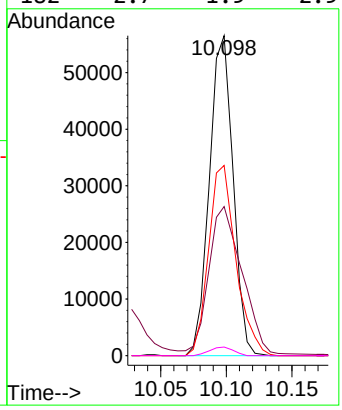




#57
2,4-Dinitrotoluene
Concen: 37.230 ng
RT: 10.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:165 Resp: 7107

Ion	Ratio	Lower	Upper
165	100		
63	46.6	35.5	53.3
89	59.4	47.4	71.2
182	2.7	1.9	2.9



Instrument :
BNA_F
ClientSampleId :
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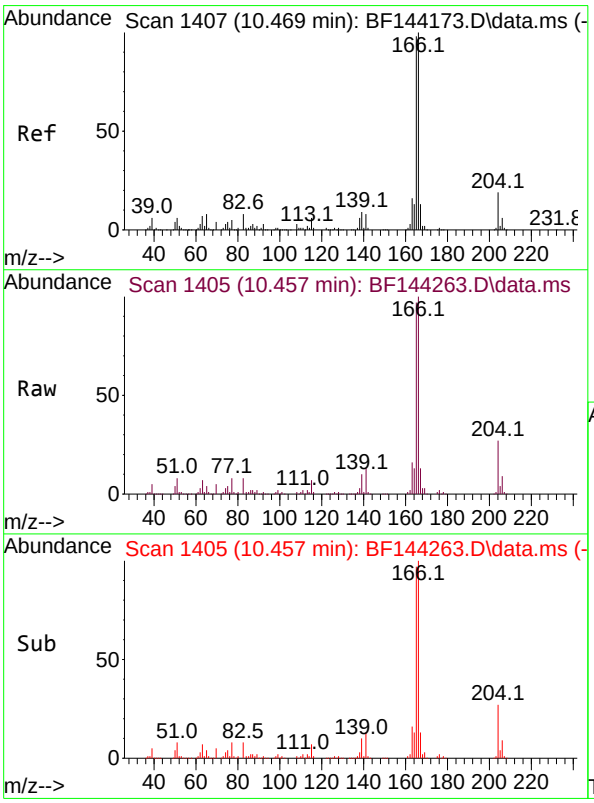
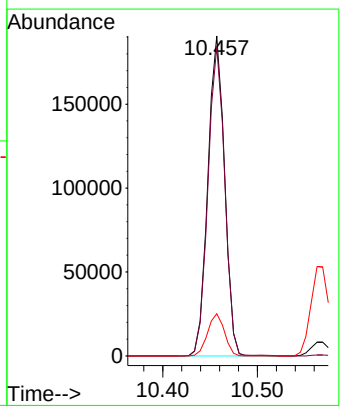
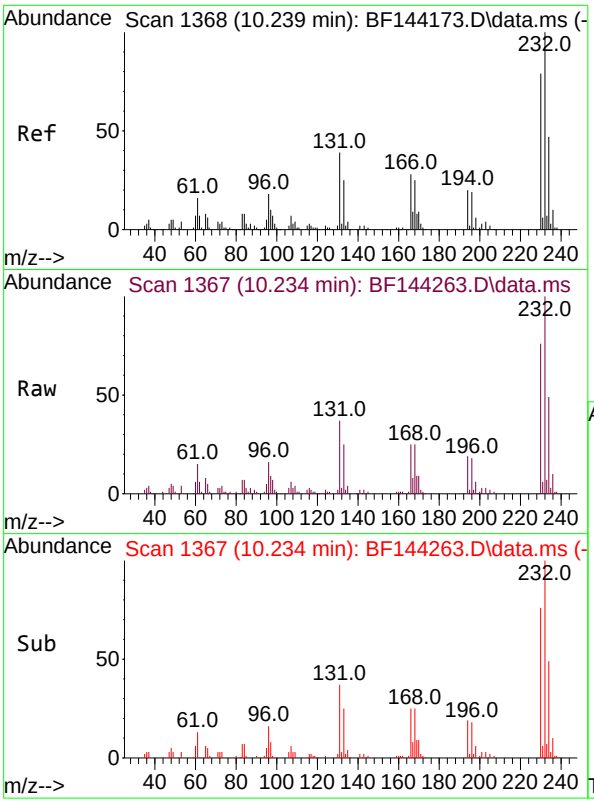


#58
Fluorene
Concen: 38.144 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:166 Resp: 234348

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.6	118.0
167	13.2	10.4	15.6

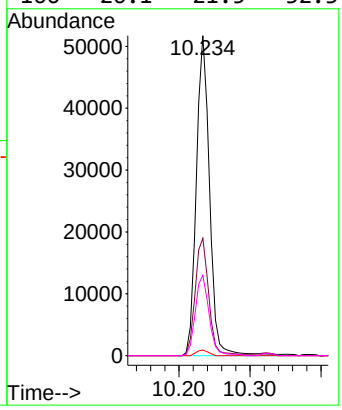




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.868 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:232 Resp: 6668

Ion	Ratio	Lower	Upper
232	100		
131	37.5	30.3	45.5
130	1.6	1.2	1.8
166	26.1	21.5	32.3



Instrument :
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ClientSampleId :
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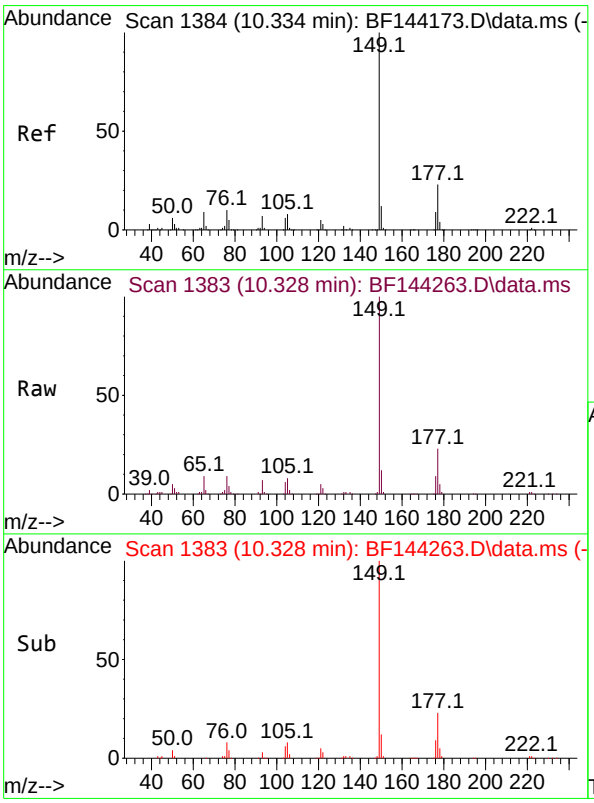
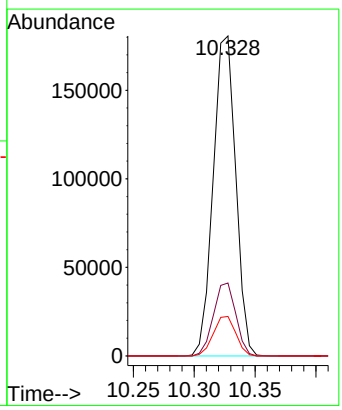
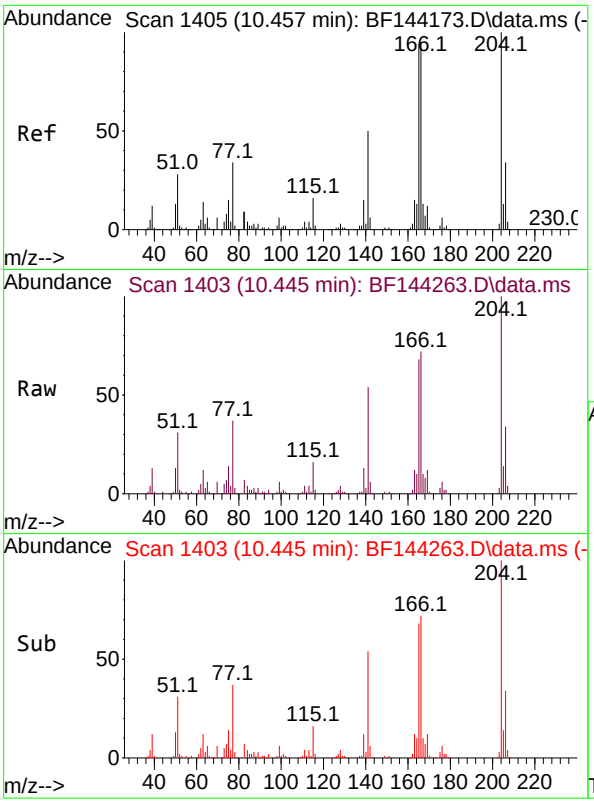


#60
Diethylphthalate
Concen: 35.782 ng
RT: 10.328 min Scan# 1383
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:149 Resp: 232365

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.3	27.5
150	12.3	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 37.071 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 12973

Ion	Ratio	Lower	Upper
204	100		
206	34.2	27.4	41.2
141	53.7	40.0	60.0

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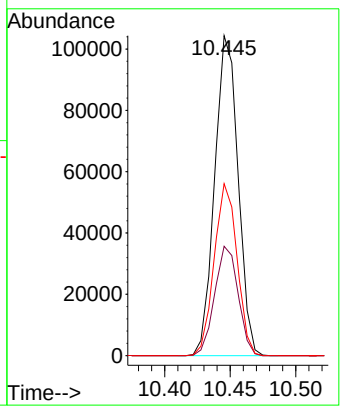
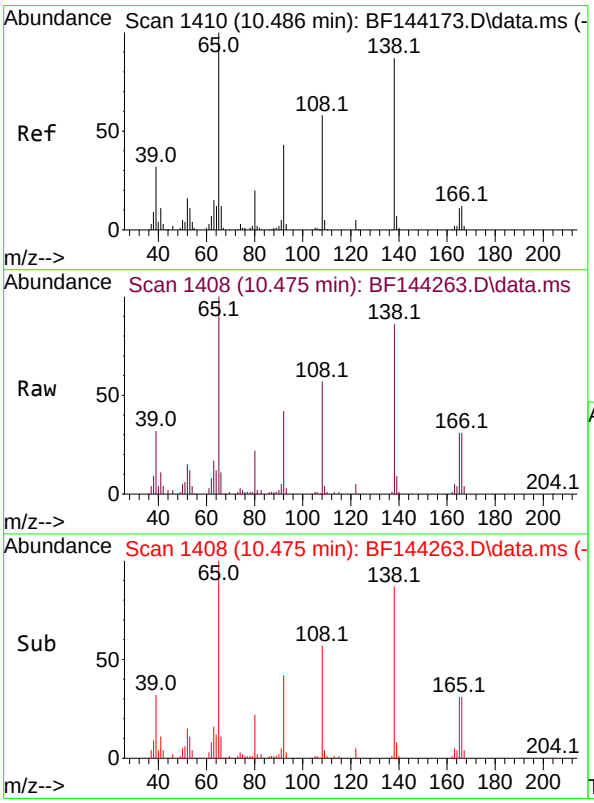
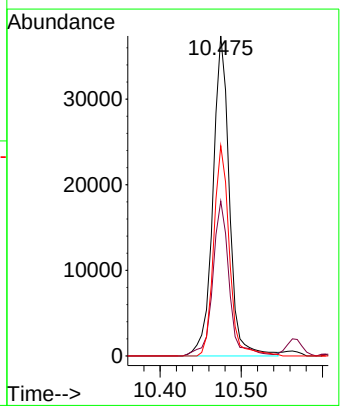


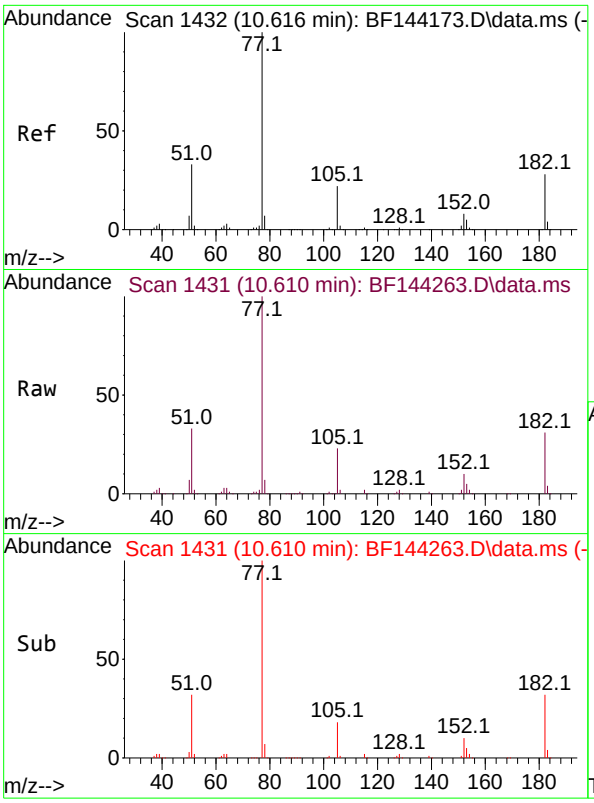


#62
4-Nitroaniline
Concen: 35.482 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:138 Resp: 52674

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.4	69.4
108	65.7	46.4	86.4





#63
Azobenzene
Concen: 37.020 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 22373

Ion	Ratio	Lower	Upper
77	100		
182	31.0	8.1	48.1
105	22.7	2.0	42.0
51	33.0	13.9	53.9

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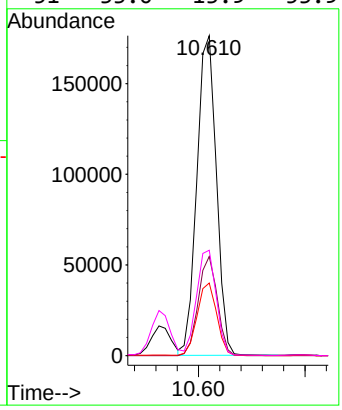
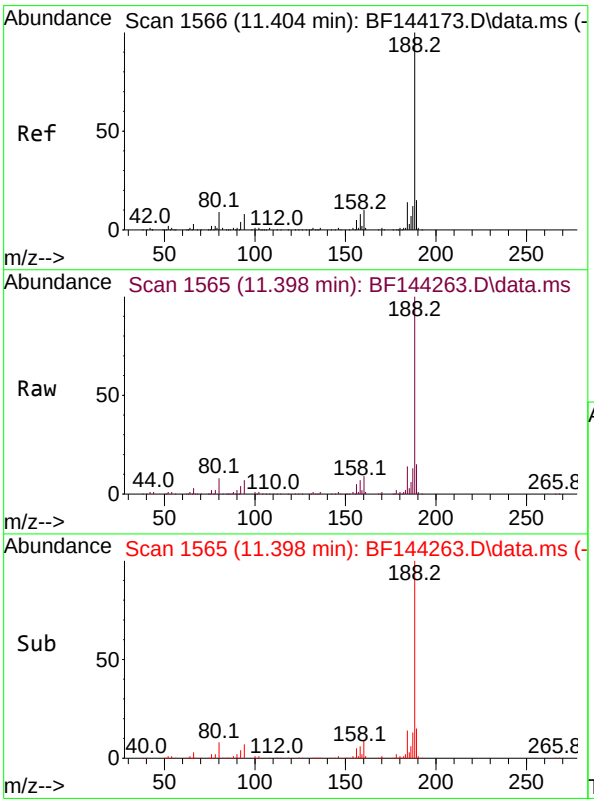
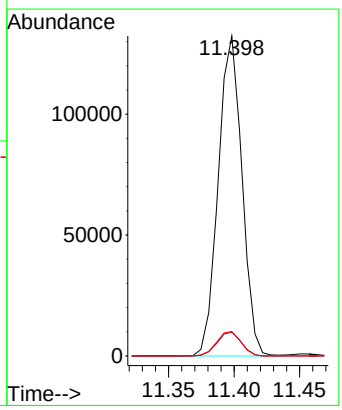


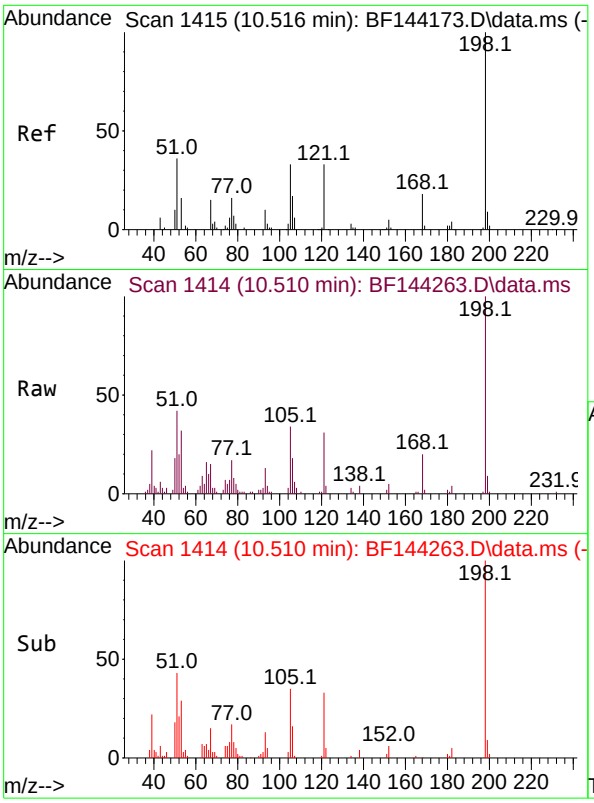


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:188 Resp: 166797

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.2	9.2
80	7.6	6.9	10.3

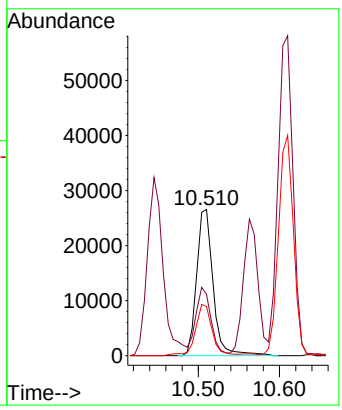




#65
4,6-Dinitro-2-methylphenol
Concen: 32.951 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:198 Resp: 3733

Ion	Ratio	Lower	Upper
198	100		
51	42.0	25.6	65.6
105	33.5	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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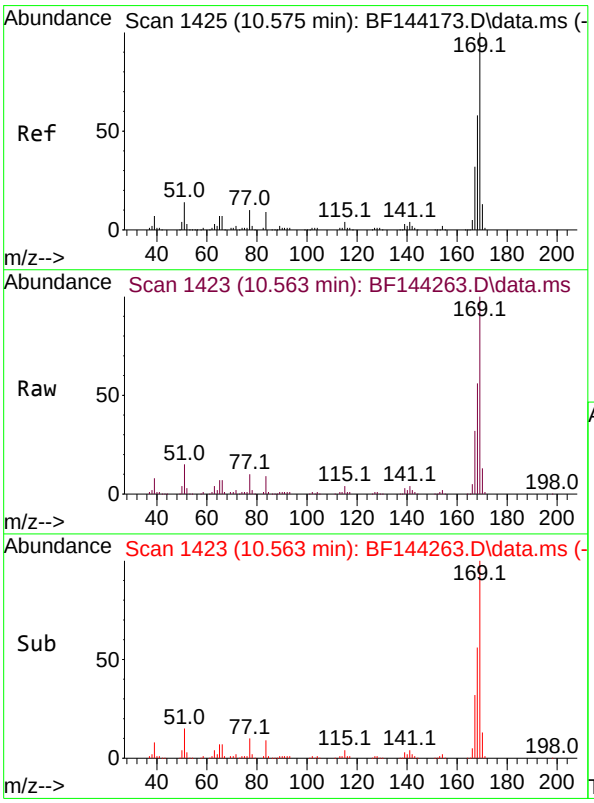
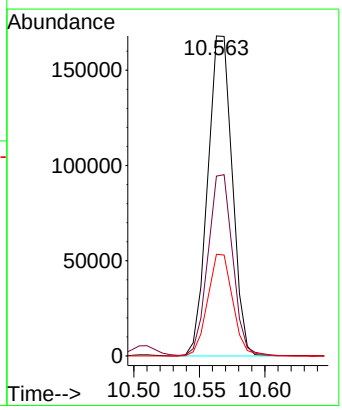
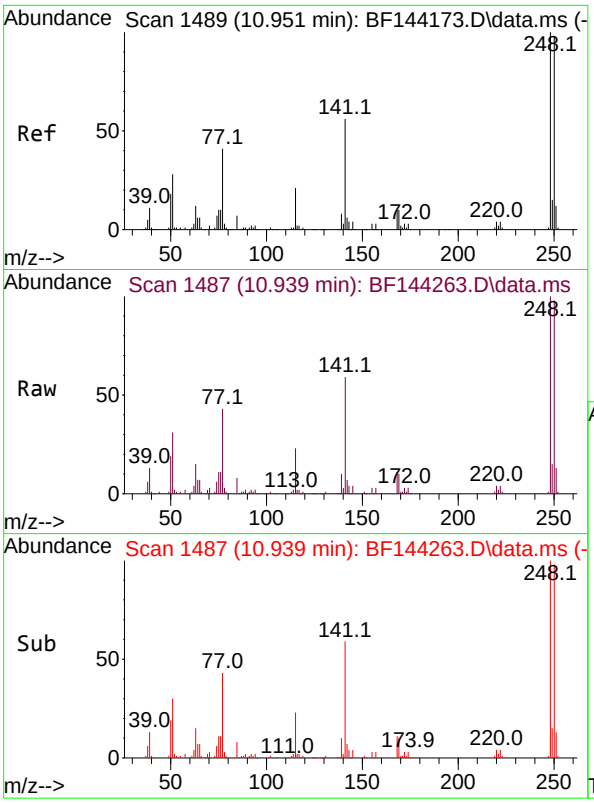


#66
n-Nitrosodiphenylamine
Concen: 40.853 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:169 Resp: 219164

Ion	Ratio	Lower	Upper
169	100		
168	56.2	46.2	69.2
167	31.7	25.7	38.5

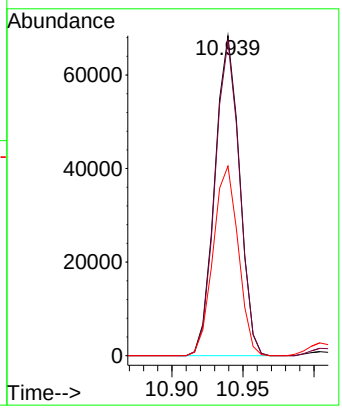




#67
4-Bromophenyl-phenylether
Concen: 38.800 ng
RT: 10.939 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:248 Resp: 8260

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.4	117.6
141	59.2	45.1	67.7



Instrument :
BNA_F
ClientSampleId :
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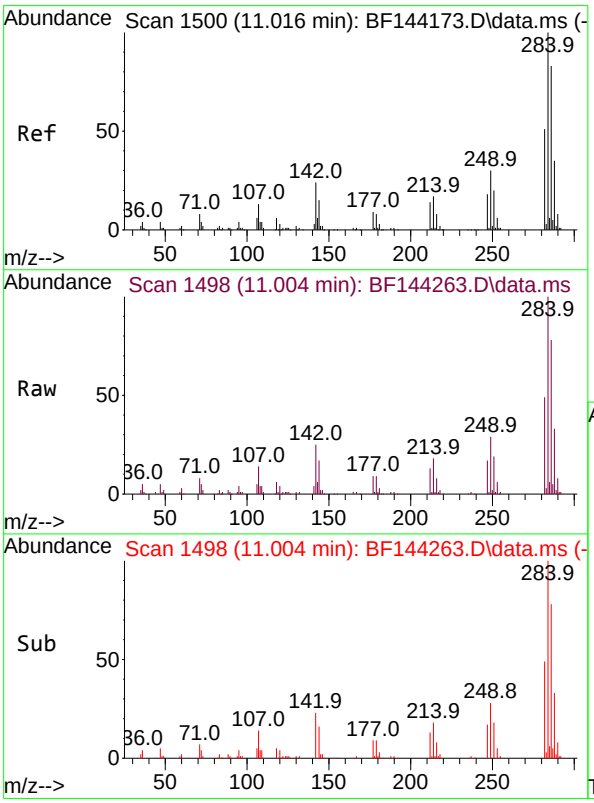
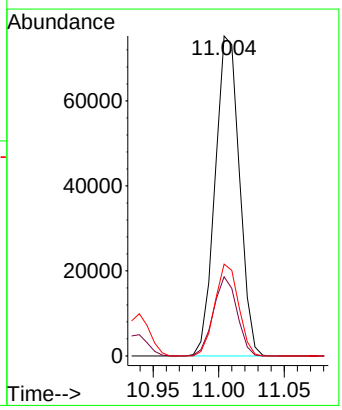
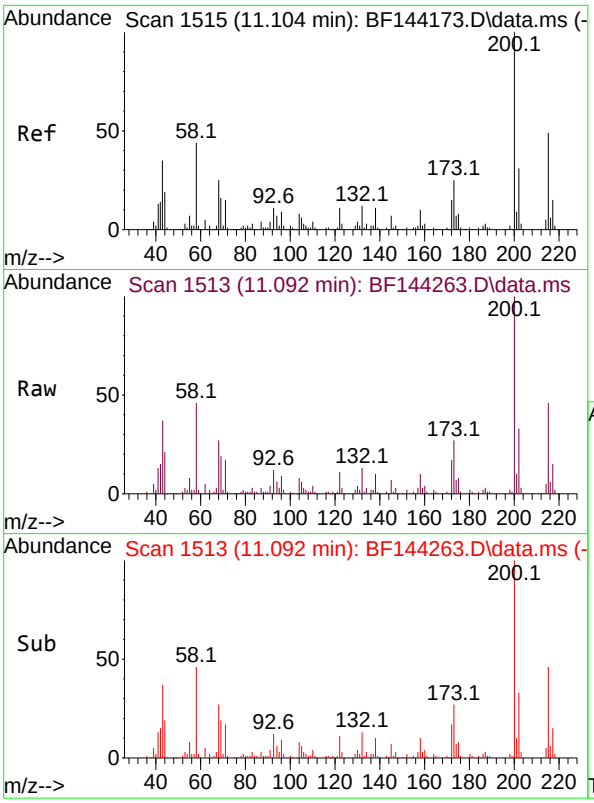


#68
Hexachlorobenzene
Concen: 38.707 ng
RT: 11.004 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:284 Resp: 97066

Ion	Ratio	Lower	Upper
284	100		
142	24.8	19.2	28.8
249	28.7	23.8	35.8

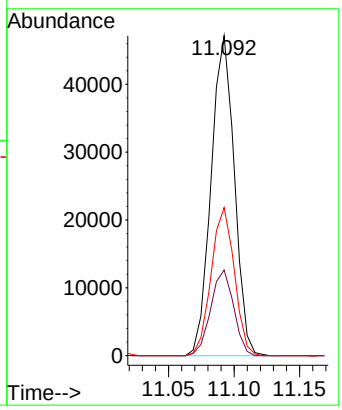




#69
Atrazine
Concen: 34.126 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:200 Resp: 5822

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.0	45.0
215	46.3	28.7	68.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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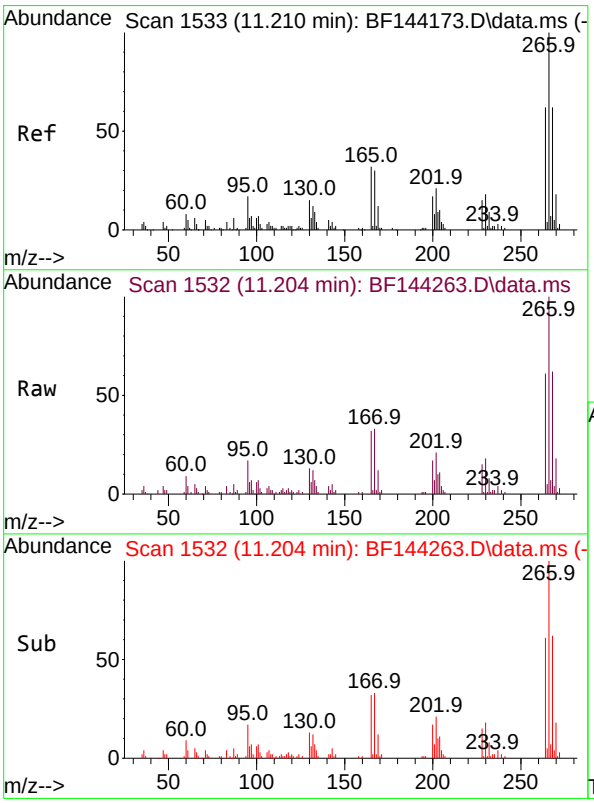
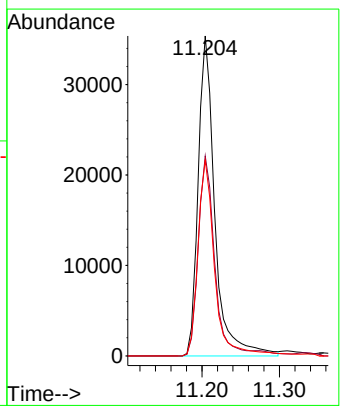
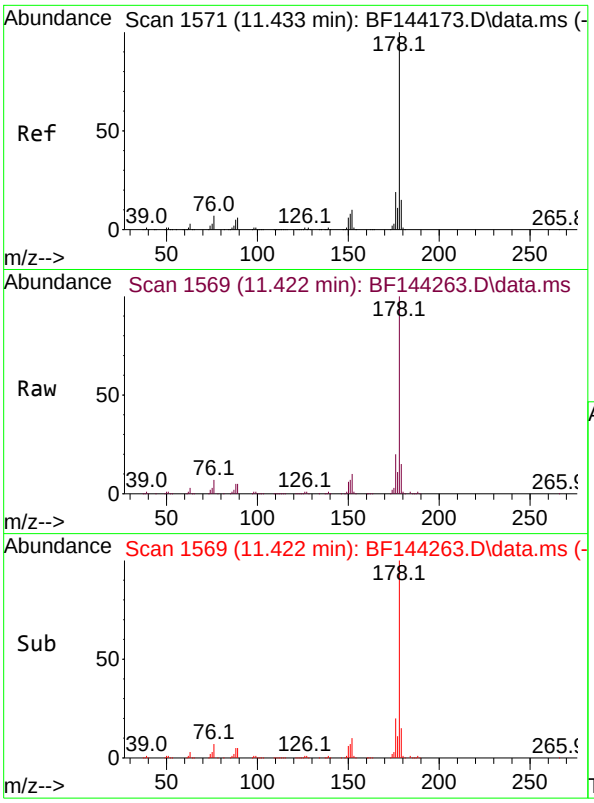


#70
Pentachlorophenol
Concen: 42.397 ng
RT: 11.204 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:266 Resp: 52942

Ion	Ratio	Lower	Upper
266	100		
268	62.5	49.5	74.3
264	61.2	49.4	74.2

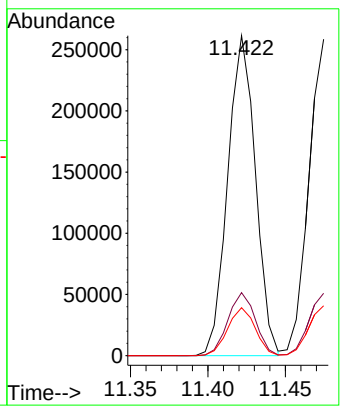




#71
Phenanthrene
Concen: 39.158 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:178 Resp: 325189

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.0	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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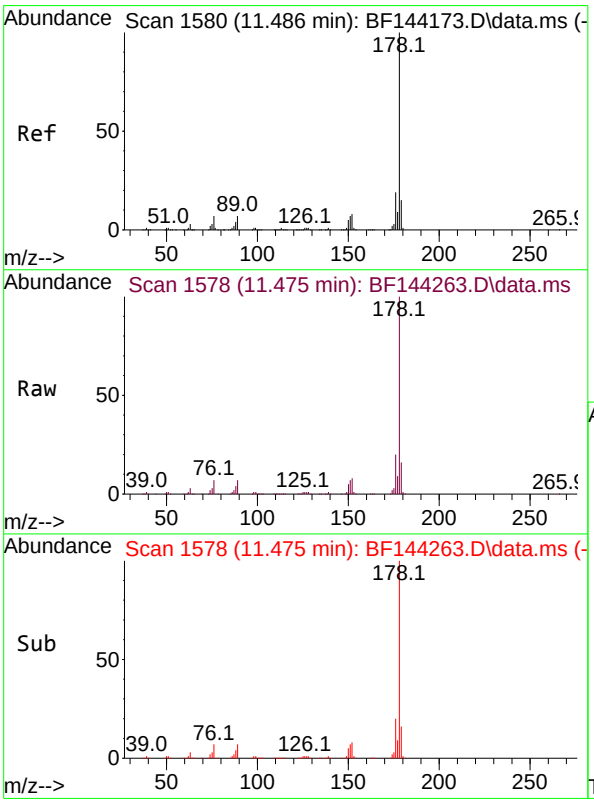
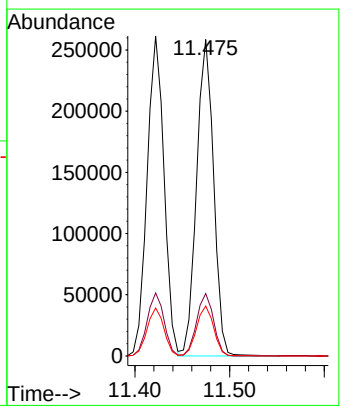
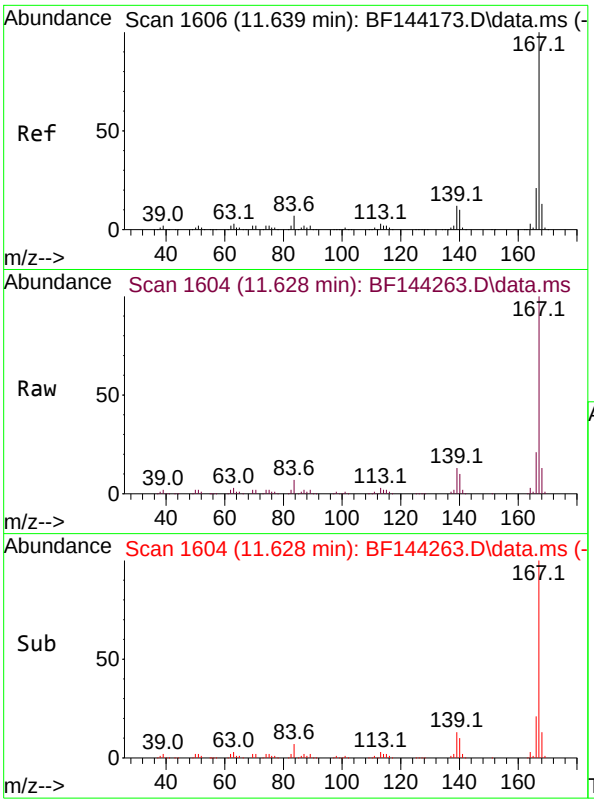


#72
Anthracene
Concen: 38.239 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:178 Resp: 322905

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.8	12.0	18.0

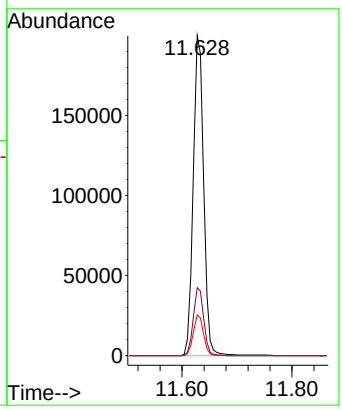




#73
Carbazole
Concen: 36.881 ng
RT: 11.628 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:167 Resp: 26482

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.7	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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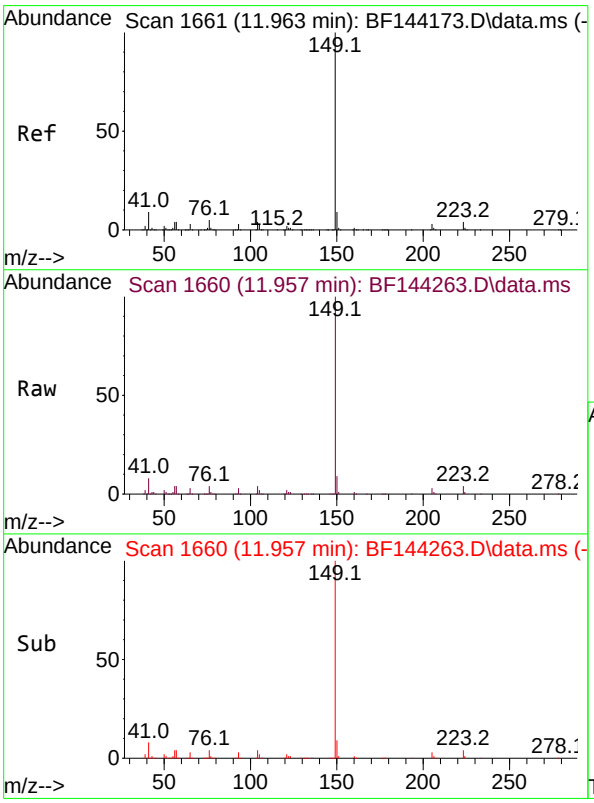
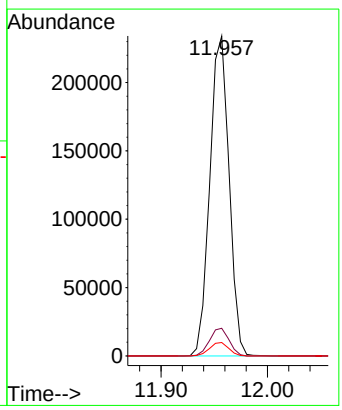
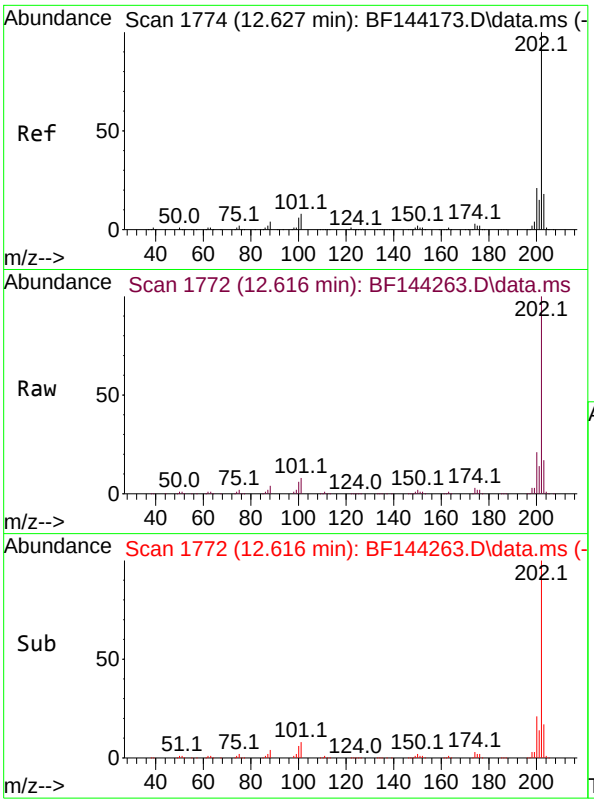


#74
Di-n-butylphthalate
Concen: 33.899 ng
RT: 11.957 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:149 Resp: 294255

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.4	11.0
104	4.2	3.4	5.2

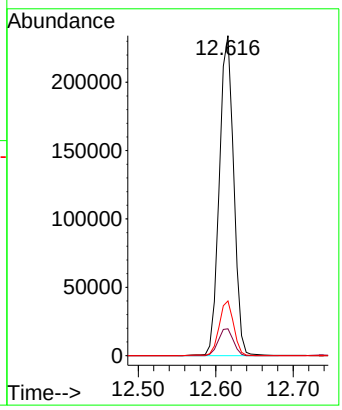




#75
Fluoranthene
Concen: 35.347 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:202 Resp: 30322

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.9
203	17.1	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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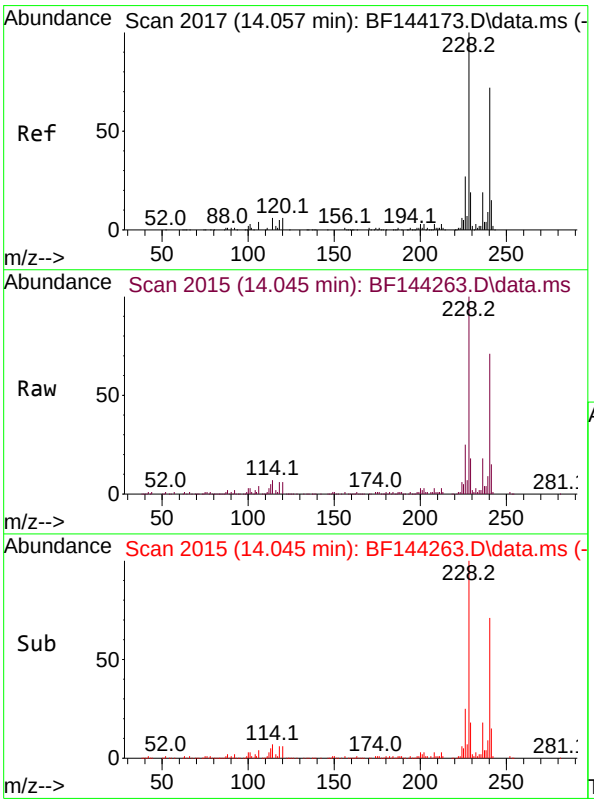
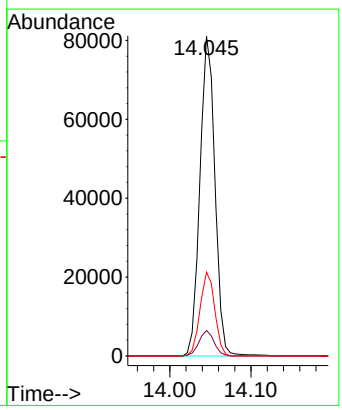
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

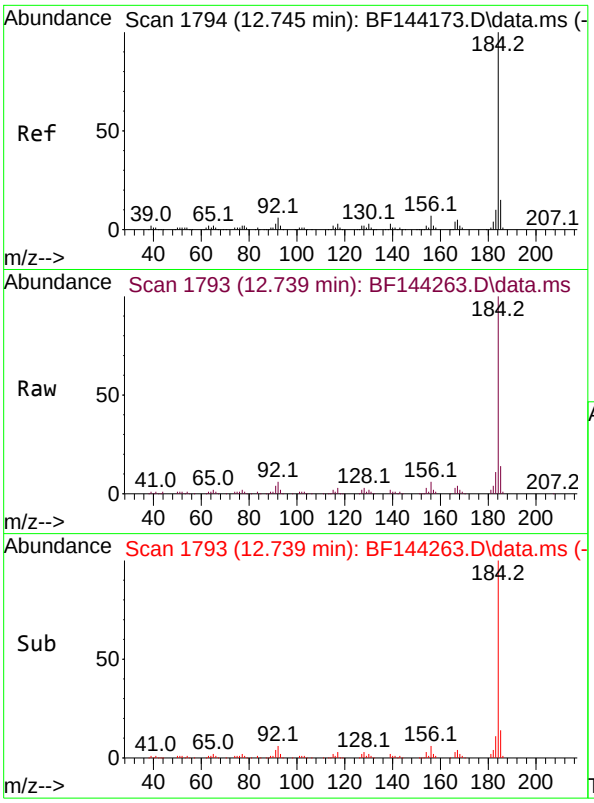


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:240 Resp: 104164

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.6	10.0
236	26.2	21.4	32.2

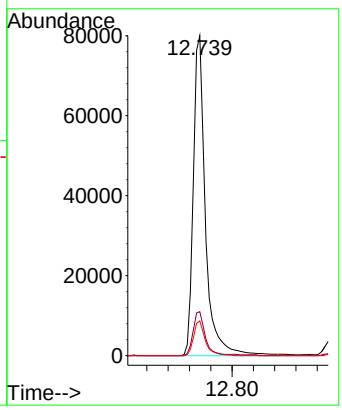




#77
Benzidine
Concen: 41.175 ng
RT: 12.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:184 Resp: 12686

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.7	17.5
183	10.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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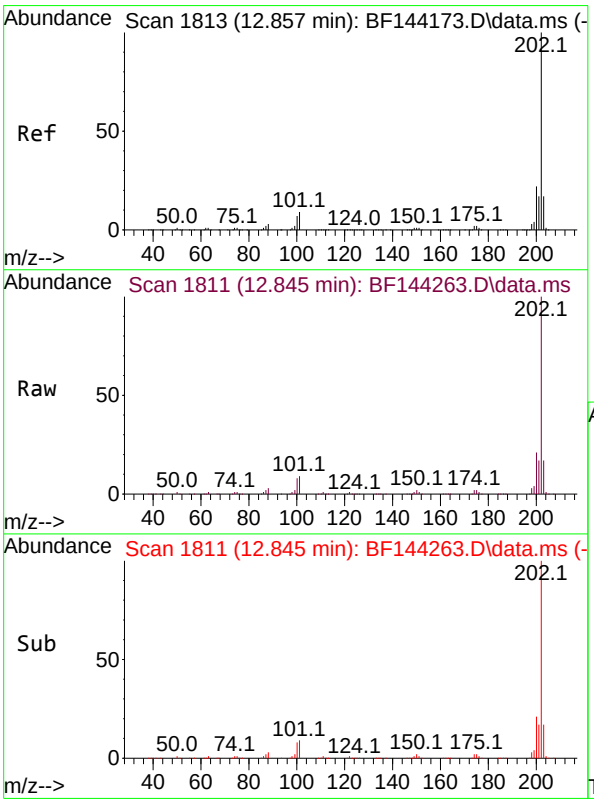
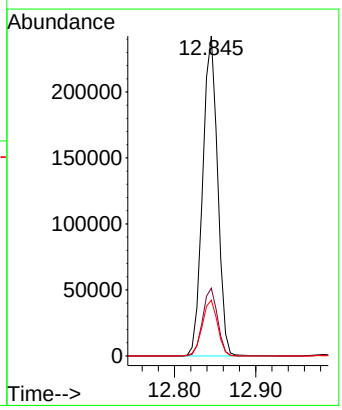
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

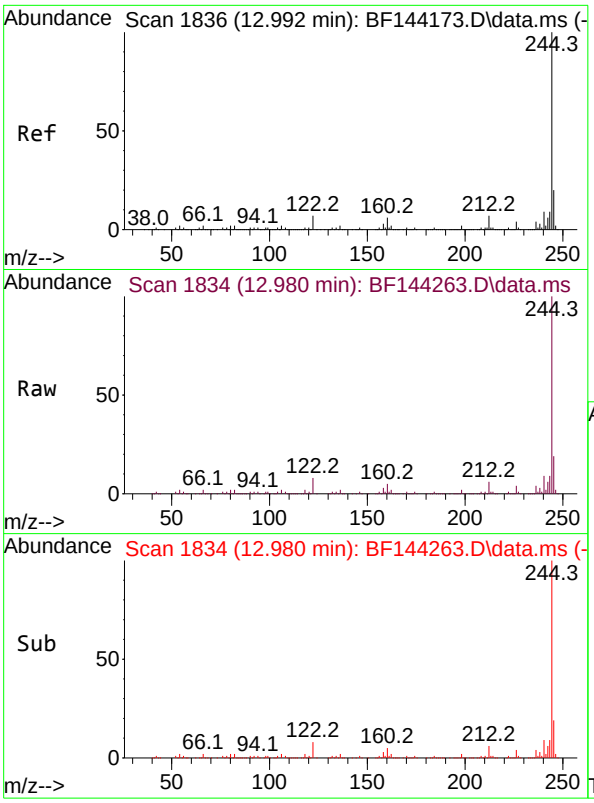


#78
Pyrene
Concen: 36.943 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:202 Resp: 310269

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.4	13.7	20.5

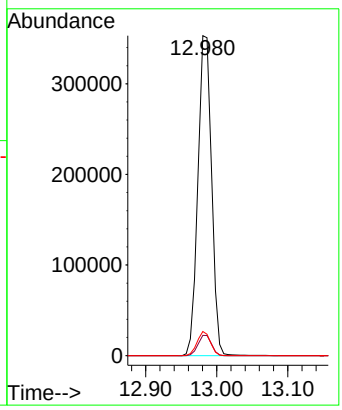




#79
Terphenyl-d14
Concen: 71.673 ng
RT: 12.980 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:244 Resp: 47001

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	7.6	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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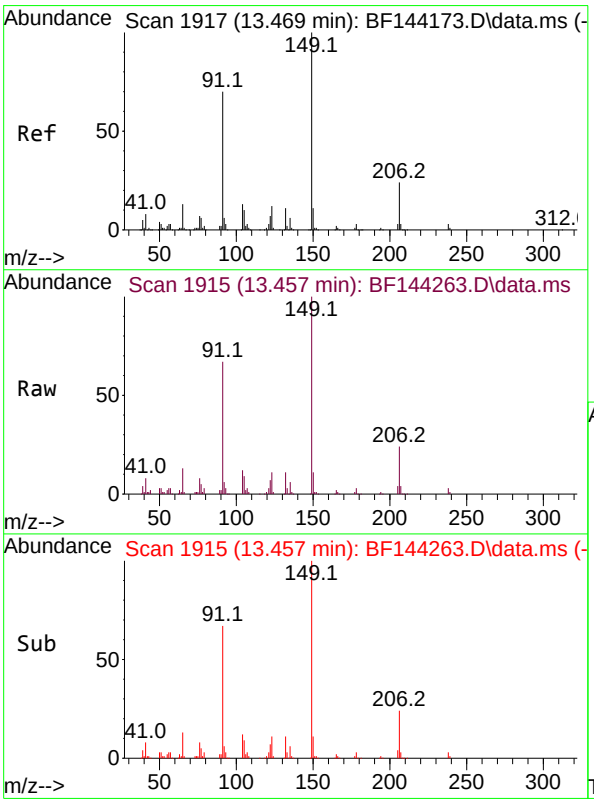
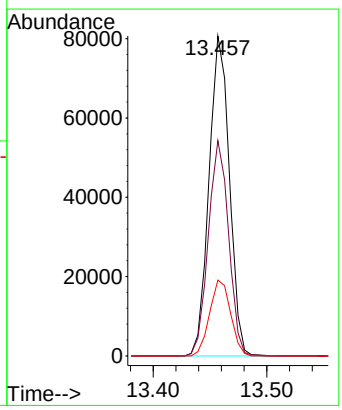
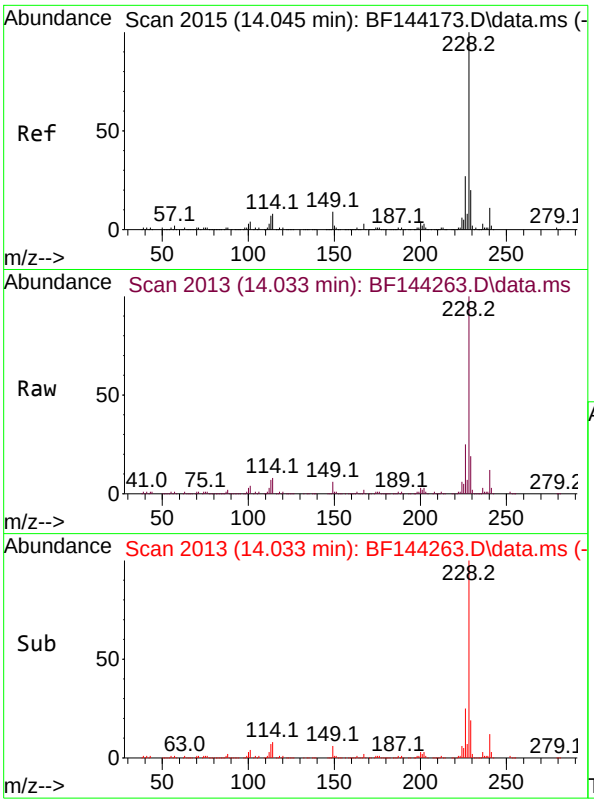


#80
Butylbenzylphthalate
Concen: 34.525 ng
RT: 13.457 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:149 Resp: 100497

Ion	Ratio	Lower	Upper
149	100		
91	67.3	56.1	84.1
206	23.7	18.8	28.2





#81
Benzo(a)anthracene
Concen: 41.274 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 29796

Ion	Ratio	Lower	Upper
228	100		
226	25.4	21.8	32.8
229	18.9	15.8	23.6

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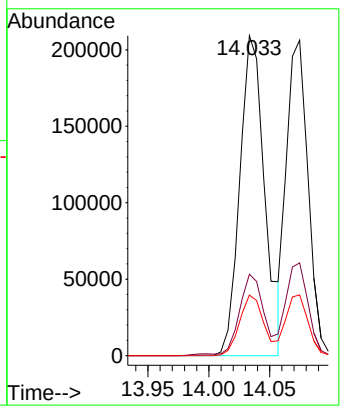
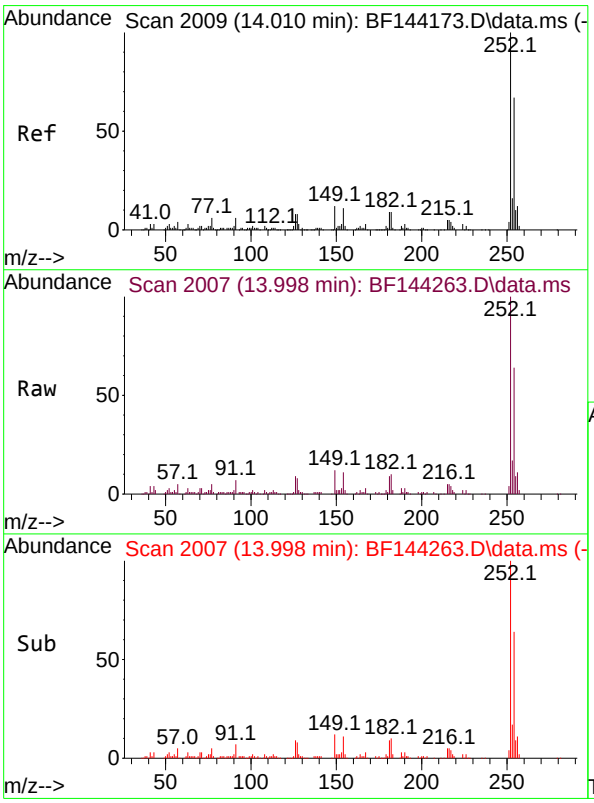
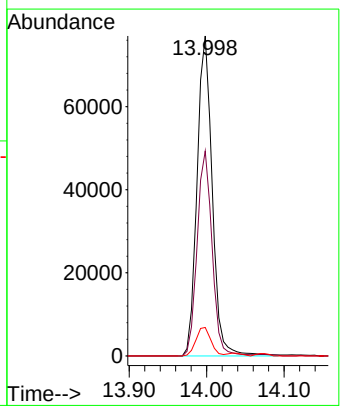


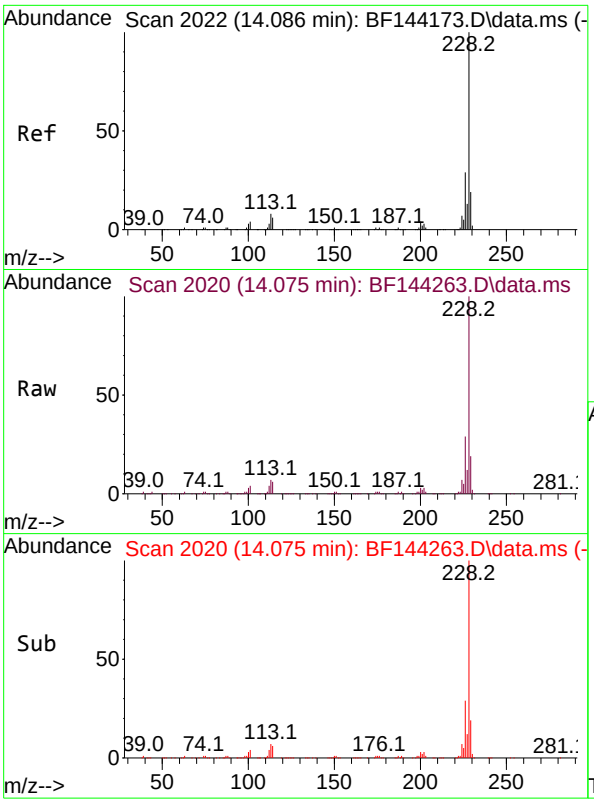


#82
3,3'-Dichlorobenzidine
Concen: 42.376 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:252 Resp: 104865

Ion	Ratio	Lower	Upper
252	100		
254	64.0	53.5	80.3
126	8.9	6.4	9.6





#83
Chrysene
Concen: 37.890 ng
RT: 14.075 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 25251

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.9	34.3
229	19.2	15.0	22.6

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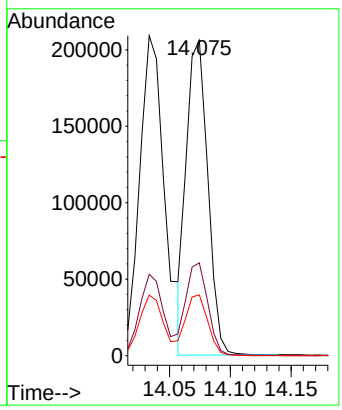
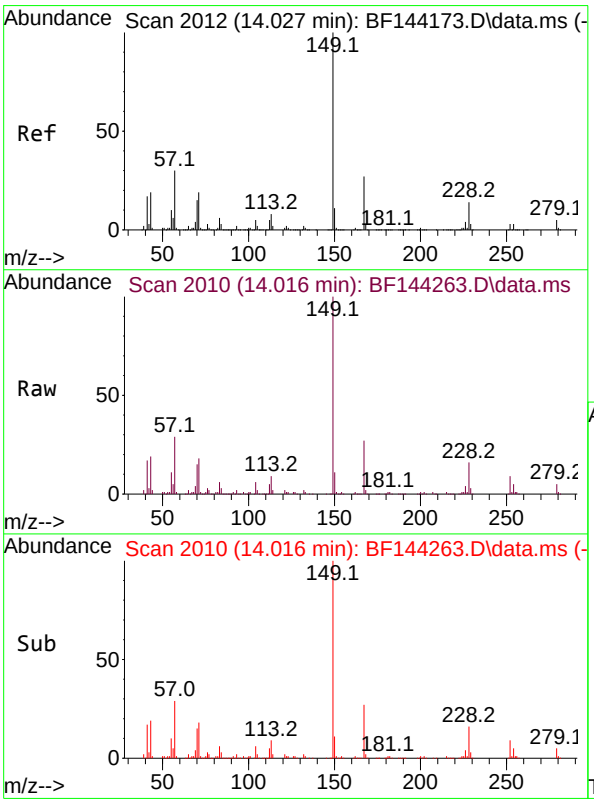
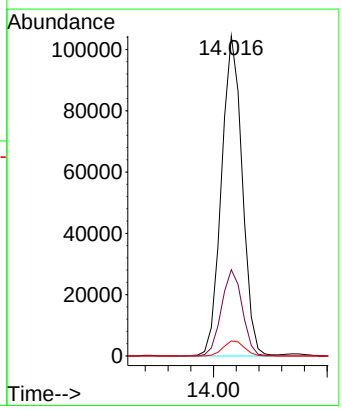


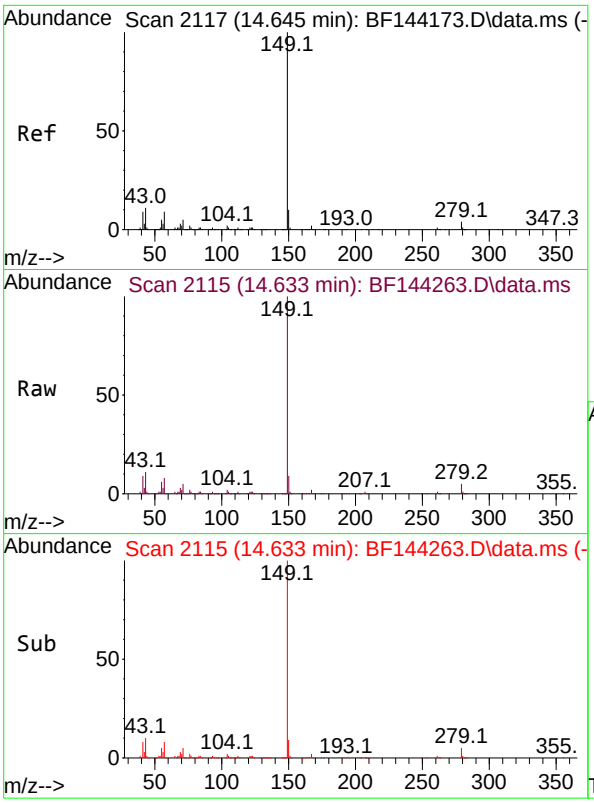


#84
Bis(2-ethylhexyl)phthalate
Concen: 33.222 ng
RT: 14.016 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:149 Resp: 132383

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	4.7	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 38.485 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:149 Resp: 26458

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	10.7	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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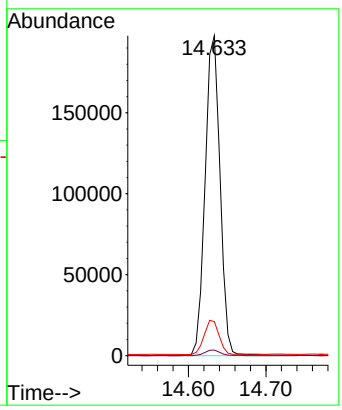
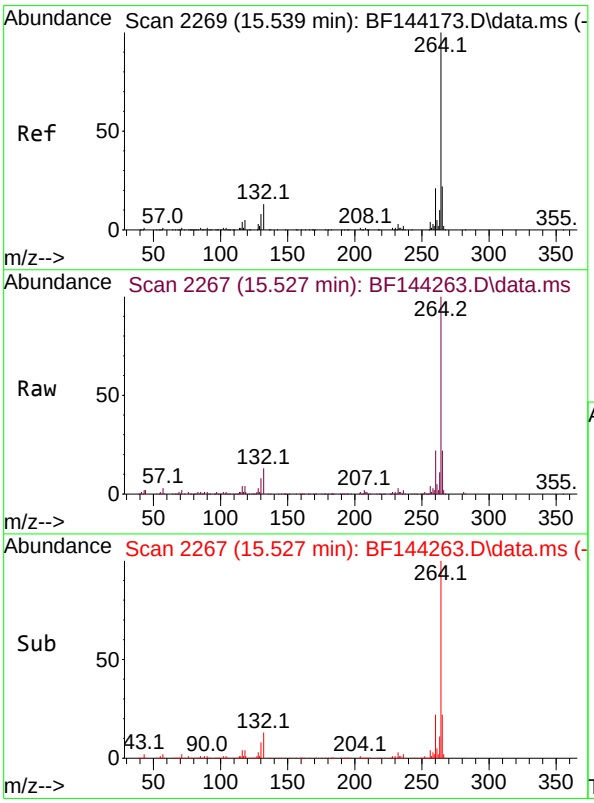
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

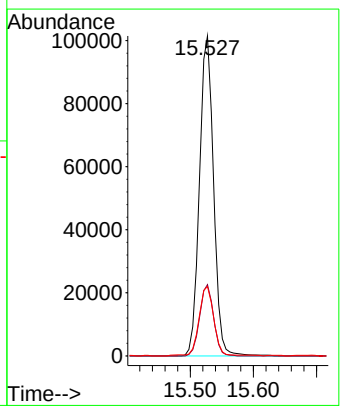


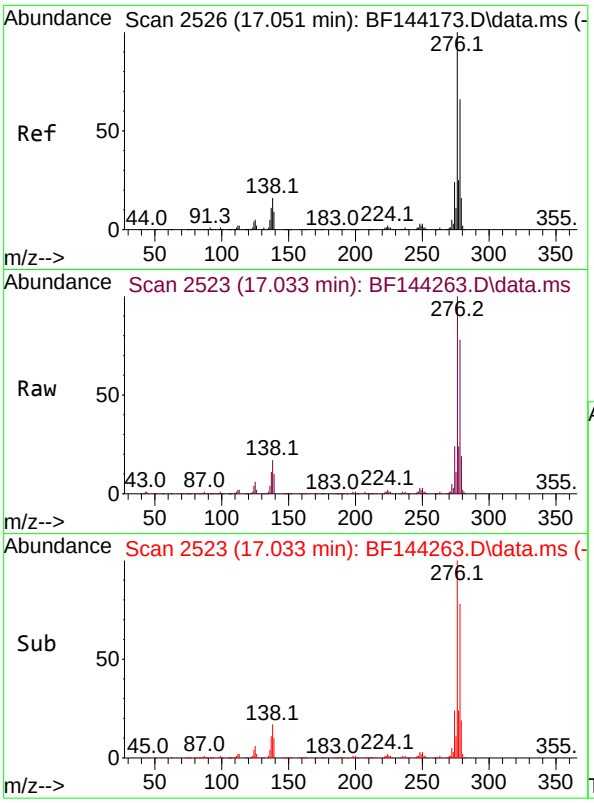


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:264 Resp: 157386

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.1	25.7
265	21.7	17.4	26.0

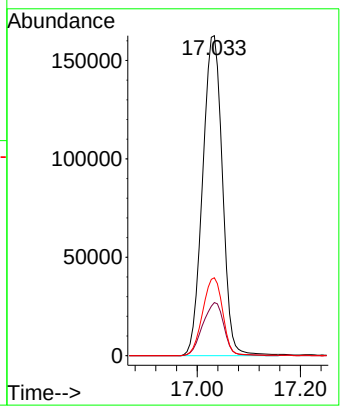




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.222 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:276 Resp: 43182

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.9	20.9
277	24.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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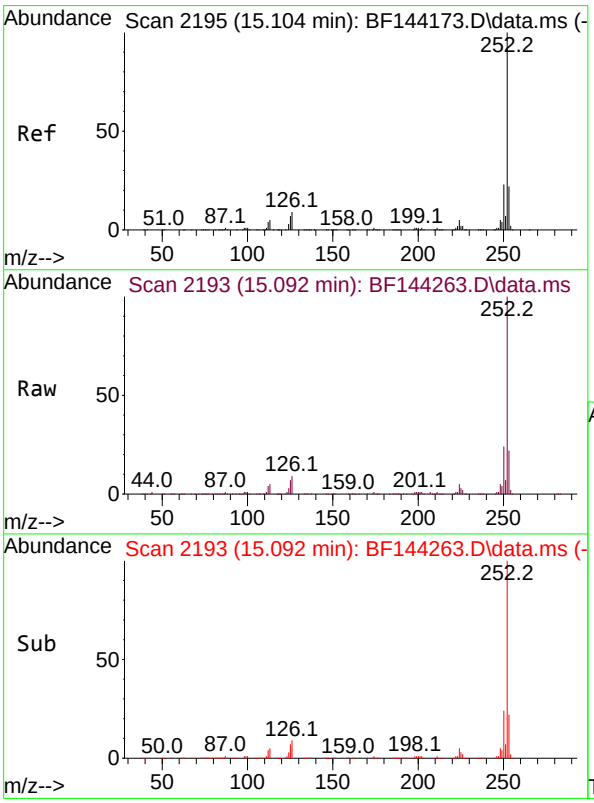
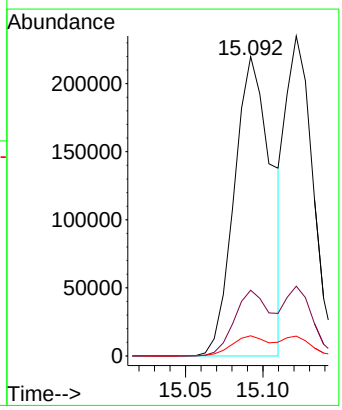
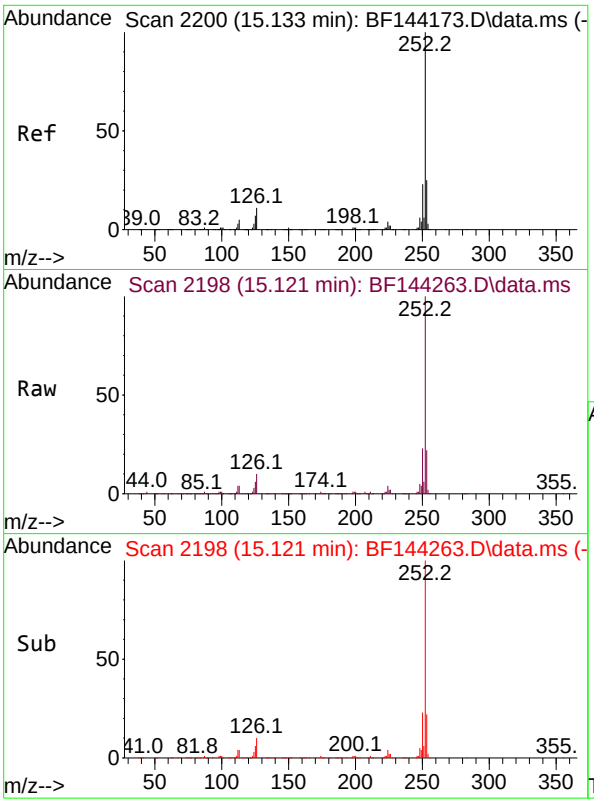


#88
Benzo(b)fluoranthene
Concen: 41.057 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:252 Resp: 367366

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.7	5.3	7.9





#89
Benzo(k)fluoranthene
Concen: 34.310 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:252 Resp: 28734

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.2	5.4	8.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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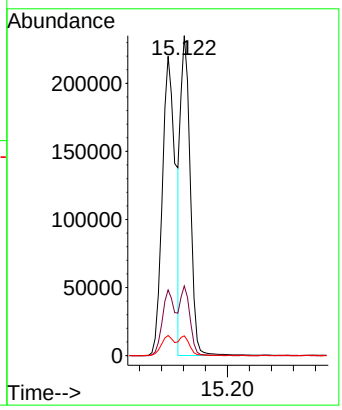
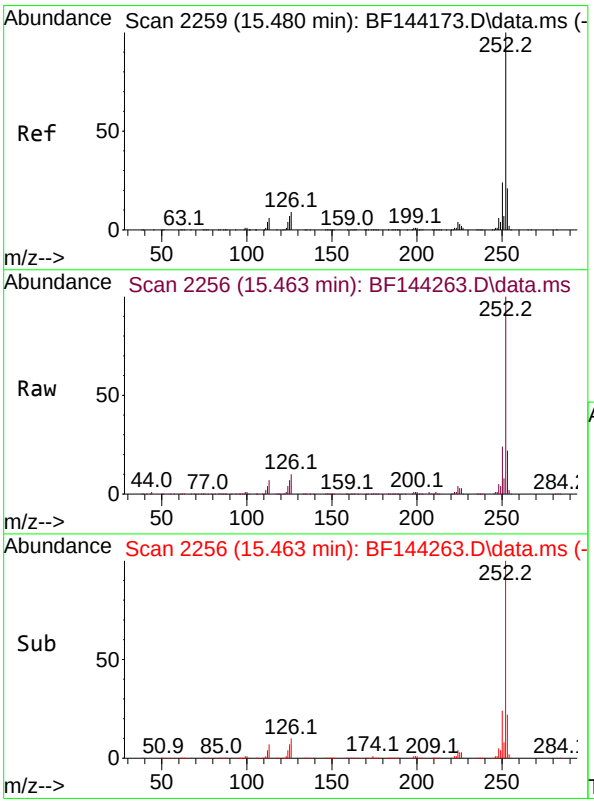
Supervised By :Sohil Jodhani 11/18/2025

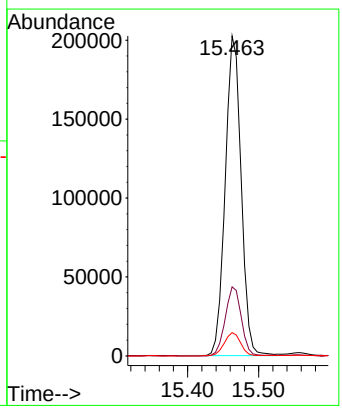


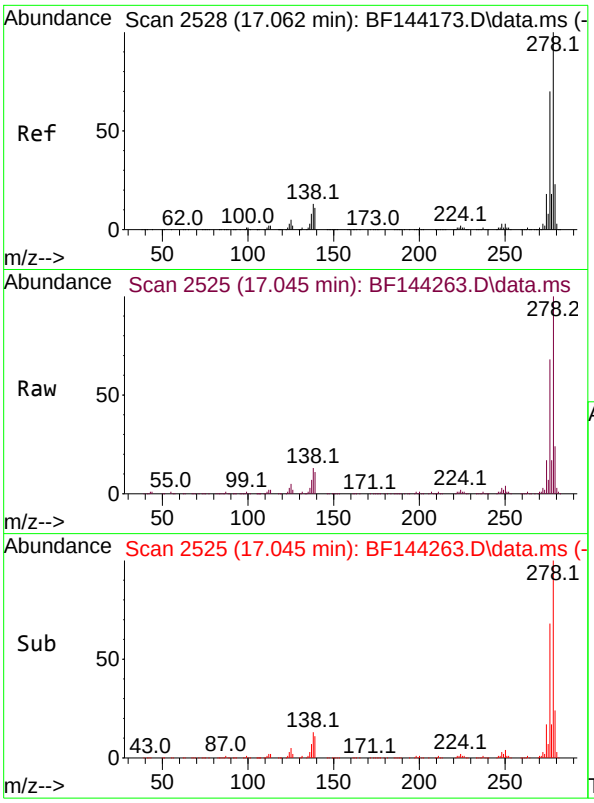


#90
Benzo(a)pyrene
Concen: 38.259 ng
RT: 15.463 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:252 Resp: 315811

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.7	25.1
125	7.3	5.7	8.5

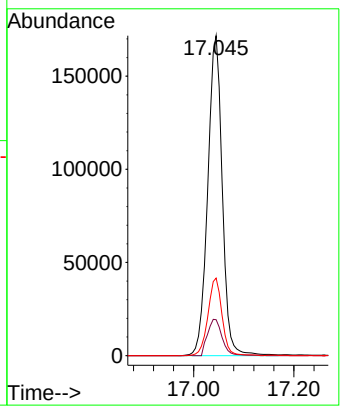




#91
Dibenzo(a,h)anthracene
Concen: 37.992 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:278 Resp: 34471

Ion	Ratio	Lower	Upper
278	100		
139	11.2	9.1	13.7
279	24.2	18.2	27.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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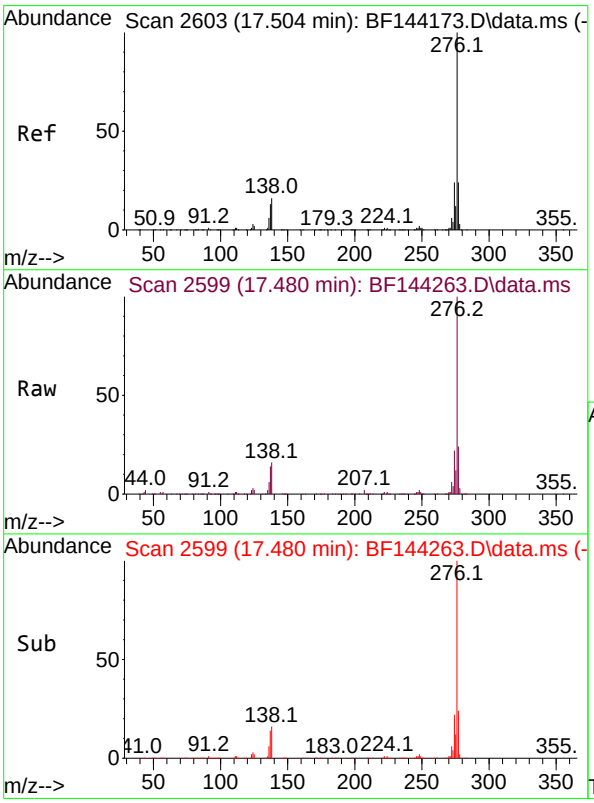
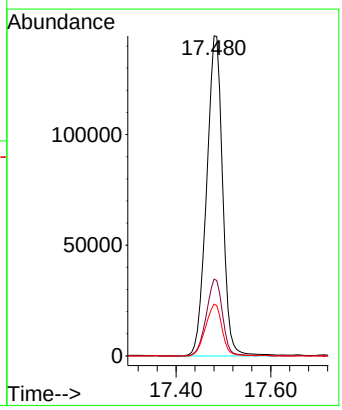


#92
Benzo(g,h,i)perylene
Concen: 37.873 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144263.D
Acq: 17 Nov 2025 12:52

Tgt Ion:276 Resp: 339343

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	16.2	12.9	19.3



Sample Results: **BF144263.D**

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Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 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	74	0.00
2		1,4-Dioxane	40.000	40.079	-0.2	71	-0.02
3		Pyridine	40.000	39.425	1.4	71	-0.05
4		n-Nitrosodimethylamine	40.000	39.150	2.1	72	-0.04
5	S	2-Fluorophenol	80.000	80.624	-0.8	73	0.00
6		Aniline	40.000	38.572	3.6	71	0.00
7	S	Phenol-d6	80.000	77.193	3.5	71	0.00
8		2-Chlorophenol	40.000	39.195	2.0	71	0.00
9		Benzaldehyde	40.000	46.379	-15.9	86	0.00
10	C	Phenol	40.000	39.502	1.2	70	0.00
11		bis(2-Chloroethyl)ether	40.000	38.142	4.6	69	0.00
12		1,3-Dichlorobenzene	40.000	39.476	1.3	73	0.00
13	C	1,4-Dichlorobenzene	40.000	39.857	0.4	72	0.00
14		1,2-Dichlorobenzene	40.000	38.933	2.7	72	0.00
15		Benzyl Alcohol	40.000	38.616	3.5	71	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.677	5.8	69	0.00
17		2-Methylphenol	40.000	38.610	3.5	69	0.00
18		Hexachloroethane	40.000	38.613	3.5	69	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.012	7.5	69	0.00
20		3+4-Methylphenols	40.000	38.694	3.3	69	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	73	0.00
22		Acetophenone	40.000	38.915	2.7	70	0.00
23	S	Nitrobenzene-d5	80.000	80.061	-0.1	70	0.00
24		Nitrobenzene	40.000	39.266	1.8	69	0.00
25		Isophorone	40.000	37.617	6.0	67	0.00
26	C	2-Nitrophenol	40.000	40.823	-2.1	70	0.00
27		2,4-Dimethylphenol	40.000	40.622	-1.6	69	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.042	2.4	69	0.00
29	C	2,4-Dichlorophenol	40.000	39.632	0.9	70	0.00
30		1,2,4-Trichlorobenzene	40.000	39.180	2.1	70	0.00
31		Naphthalene	40.000	39.266	1.8	70	0.00
32		Benzoic acid	40.000	33.408	16.5	69	-0.04
33		4-Chloroaniline	40.000	39.392	1.5	69	0.00
34	C	Hexachlorobutadiene	40.000	38.622	3.4	68	0.00
35		Caprolactam	40.000	37.901	5.2	66	-0.04
36	C	4-Chloro-3-methylphenol	40.000	39.422	1.4	70	0.00
37		2-Methylnaphthalene	40.000	39.328	1.7	71	0.00
38		1-Methylnaphthalene	40.000	38.694	3.3	70	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	71	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	38.939	2.7	68	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.463	-1.2	73	-0.01
42	S	2,4,6-Tribromophenol	80.000	71.582	10.5	61	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.454	3.9	67	0.00
44		2,4,5-Trichlorophenol	40.000	38.457	3.9	68	0.00
45	S	2-Fluorobiphenyl	80.000	77.328	3.3	69	0.00
46		1,1'-Biphenyl	40.000	38.577	3.6	68	0.00
47		2-Chloronaphthalene	40.000	38.491	3.8	68	0.00

Sample Results: **BF144263.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.040	2.4	66	0.00
49		Acenaphthylene	40.000	38.800	3.0	68	0.00
50		Dimethylphthalate	40.000	37.187	7.0	65	0.00
51		2,6-Dinitrotoluene	40.000	38.558	3.6	67	0.00
52	C	Acenaphthene	40.000	38.714	3.2	68	0.00
53		3-Nitroaniline	40.000	37.681	5.8	63	0.00
54	P	2,4-Dinitrophenol	40.000	43.712	-9.3	90	-0.01
55		Dibenzofuran	40.000	38.205	4.5	67	0.00
56	P	4-Nitrophenol	40.000	36.626	8.4	68	-0.01
57		2,4-Dinitrotoluene	40.000	37.230	6.9	62	0.00
58		Fluorene	40.000	38.144	4.6	67	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	36.868	7.8	63	0.00
60		Diethylphthalate	40.000	35.782	10.5	62	0.00
61		4-Chlorophenyl-phenylether	40.000	37.071	7.3	64	-0.01
62		4-Nitroaniline	40.000	35.482	11.3	61	0.00
63		Azobenzene	40.000	37.020	7.4	65	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	65	0.00
65		4,6-Dinitro-2-methylphenol	40.000	32.951	17.6	56	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.853	-2.1	66	0.00
67		4-Bromophenyl-phenylether	40.000	38.800	3.0	61	0.00
68		Hexachlorobenzene	40.000	38.707	3.2	63	0.00
69		Atrazine	40.000	34.126	14.7	55	0.00
70	C	Pentachlorophenol	40.000	42.397	-6.0	66	-0.01
71		Phenanthrene	40.000	39.158	2.1	63	0.00
72		Anthracene	40.000	38.239	4.4	61	0.00
73		Carbazole	40.000	36.881	7.8	59	-0.01
74		Di-n-butylphthalate	40.000	33.899	15.3	53	0.00
75	C	Fluoranthene	40.000	35.347	11.6	56	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	64	0.00
77		Benzidine	40.000	41.175	-2.9	63	-0.01
78		Pyrene	40.000	36.943	7.6	56	0.00
79	S	Terphenyl-d14	80.000	71.673	10.4	55	-0.01
80		Butylbenzylphthalate	40.000	34.525	13.7	52	-0.01
81		Benzo(a)anthracene	40.000	41.274	-3.2	64	-0.01
82		3,3'-Dichlorobenzidine	40.000	42.376	-5.9	67	-0.01
83		Chrysene	40.000	37.890	5.3	55	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	33.222	16.9	50	-0.01
85	c	Di-n-octyl phthalate	40.000	38.485	3.8	58	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	75	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.222	4.4	70	0.00
88		Benzo(b)fluoranthene	40.000	41.057	-2.6	71	0.00
89		Benzo(k)fluoranthene	40.000	34.310	14.2	66	0.00
90	C	Benzo(a)pyrene	40.000	38.259	4.4	70	-0.01
91		Dibenzo(a,h)anthracene	40.000	37.992	5.0	69	0.00
92		Benzo(g,h,i)perylene	40.000	37.873	5.3	68	-0.01

Sample Results: **BF144263.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 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

Sample Results: **BF144263.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
2		1,4-Dioxane	0.528	0.529	-0.2	71	-0.02
3		Pyridine	1.474	1.453	1.4	71	-0.05
4		n-Nitrosodimethylamine	0.770	0.754	2.1	72	-0.04
5	S	2-Fluorophenol	1.278	1.288	-0.8	73	0.00
6		Aniline	2.063	1.990	3.5	71	0.00
7	S	Phenol-d6	1.448	1.397	3.5	71	0.00
8		2-Chlorophenol	1.253	1.228	2.0	71	0.00
9		Benzaldehyde	0.818	0.948	-15.9	86	0.00
10	C	Phenol	1.769	1.747	1.2	70	0.00
11		bis(2-Chloroethyl)ether	1.289	1.229	4.7	69	0.00
12		1,3-Dichlorobenzene	1.547	1.526	1.4	73	0.00
13	C	1,4-Dichlorobenzene	1.549	1.544	0.3	72	0.00
14		1,2-Dichlorobenzene	1.485	1.446	2.6	72	0.00
15		Benzyl Alcohol	1.147	1.107	3.5	71	-0.01
16		2,2'-oxybis(1-Chloropropane	2.374	2.236	5.8	69	0.00
17		2-Methylphenol	0.997	0.962	3.5	69	0.00
18		Hexachloroethane	0.515	0.497	3.5	69	0.00
19	P	n-Nitroso-di-n-propylamine	0.953	0.882	7.5	69	0.00
20		3+4-Methylphenols	1.175	1.137	3.2	69	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	73	0.00
22		Acetophenone	0.429	0.417	2.8	70	0.00
23	S	Nitrobenzene-d5	0.346	0.347	-0.3	70	0.00
24		Nitrobenzene	0.376	0.369	1.9	69	0.00
25		Isophorone	0.655	0.616	6.0	67	0.00
26	C	2-Nitrophenol	0.186	0.190	-2.2	70	0.00
27		2,4-Dimethylphenol	0.279	0.283	-1.4	69	0.00
28		bis(2-Chloroethoxy)methane	0.409	0.399	2.4	69	0.00
29	C	2,4-Dichlorophenol	0.322	0.319	0.9	70	0.00
30		1,2,4-Trichlorobenzene	0.330	0.323	2.1	70	0.00
31		Naphthalene	0.951	0.934	1.8	70	0.00
32		Benzoic acid	0.204	0.171	16.2	69	-0.04
33		4-Chloroaniline	0.347	0.342	1.4	69	0.00
34	C	Hexachlorobutadiene	0.249	0.240	3.6	68	0.00
35		Caprolactam	0.088	0.083	5.7	66	-0.04
36	C	4-Chloro-3-methylphenol	0.288	0.284	1.4	70	0.00
37		2-Methylnaphthalene	0.636	0.625	1.7	71	0.00
38		1-Methylnaphthalene	0.614	0.594	3.3	70	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	71	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.655	0.638	2.6	68	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.203	-4.1	73	-0.01
42	S	2,4,6-Tribromophenol	0.251	0.225	10.4	61	0.00
43	C	2,4,6-Trichlorophenol	0.446	0.429	3.8	67	0.00
44		2,4,5-Trichlorophenol	0.481	0.462	4.0	68	0.00
45	S	2-Fluorobiphenyl	1.354	1.309	3.3	69	0.00
46		1,1'-Biphenyl	1.396	1.346	3.6	68	0.00
47		2-Chloronaphthalene	1.191	1.146	3.8	68	0.00

Sample Results: **BF144263.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 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	0.344	0.335	2.6	66	0.00
49		Acenaphthylene	1.623	1.574	3.0	68	0.00
50		Dimethylphthalate	1.325	1.232	7.0	65	0.00
51		2,6-Dinitrotoluene	0.268	0.259	3.4	67	0.00
52	C	Acenaphthene	1.085	1.050	3.2	68	0.00
53		3-Nitroaniline	0.293	0.276	5.8	63	0.00
54	P	2,4-Dinitrophenol	0.162	0.177	-9.3	90	-0.01
55		Dibenzofuran	1.520	1.452	4.5	67	0.00
56	P	4-Nitrophenol	0.212	0.194	8.5	68	-0.01
57		2,4-Dinitrotoluene	0.359	0.334	7.0	62	0.00
58		Fluorene	1.156	1.102	4.7	67	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.314	7.6	63	0.00
60		Diethylphthalate	1.221	1.093	10.5	62	0.00
61		4-Chlorophenyl-phenylether	0.658	0.610	7.3	64	-0.01
62		4-Nitroaniline	0.279	0.248	11.1	61	0.00
63		Azobenzene	1.137	1.052	7.5	65	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	65	0.00
65		4,6-Dinitro-2-methylphenol	0.136	0.112	17.6	56	-0.01
66	c	n-Nitrosodiphenylamine	0.643	0.657	-2.2	66	0.00
67		4-Bromophenyl-phenylether	0.255	0.248	2.7	61	0.00
68		Hexachlorobenzene	0.301	0.291	3.3	63	0.00
69		Atrazine	0.205	0.175	14.6	55	0.00
70	C	Pentachlorophenol	0.150	0.159	-6.0	66	-0.01
71		Phenanthrene	0.996	0.975	2.1	63	0.00
72		Anthracene	1.013	0.968	4.4	61	0.00
73		Carbazole	0.861	0.794	7.8	59	-0.01
74		Di-n-butylphthalate	1.041	0.882	15.3	53	0.00
75	C	Fluoranthene	1.029	0.909	11.7	56	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	64	0.00
77		Benzidine	0.592	0.609	-2.9	63	-0.01
78		Pyrene	1.613	1.489	7.7	56	0.00
79	S	Terphenyl-d14	1.259	1.128	10.4	55	-0.01
80		Butylbenzylphthalate	0.559	0.482	13.8	52	-0.01
81		Benzo(a)anthracene	1.386	1.430	-3.2	64	-0.01
82		3,3'-Dichlorobenzidine	0.475	0.503	-5.9	67	-0.01
83		Chrysene	1.280	1.212	5.3	55	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.635	17.0	50#	-0.01
85	c	Di-n-octyl phthalate	1.320	1.270	3.8	58	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	75	-0.01
87		Indeno(1,2,3-cd)pyrene	1.436	1.372	4.5	70	0.00
88		Benzo(b)fluoranthene	1.137	1.167	-2.6	71	0.00
89		Benzo(k)fluoranthene	1.064	0.913	14.2	66	0.00
90	C	Benzo(a)pyrene	1.049	1.003	4.4	70	-0.01
91		Dibenzo(a,h)anthracene	1.153	1.095	5.0	69	0.00
92		Benzo(g,h,i)perylene	1.139	1.078	5.4	68	-0.01

Sample Results: **BF144263.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144263.D
Acq On : 17 Nov 2025 12:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 13:15:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 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

Raw Data: **BG064784.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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.171		2.3	
Benzaldehyde	0.997	0.958		-3.9	
Phenol-d6	1.523	1.626		6.8	
Phenol	1.657	1.757		6.0	20.0
bis(2-Chloroethyl)ether	1.179	1.221		3.6	
2-Chlorophenol	1.258	1.329		5.6	
2-Methylphenol	1.173	1.235		5.3	
2,2-oxybis(1-Chloropropane)	2.792	2.755		-1.3	
Acetophenone	0.545	0.564		3.5	
3+4-Methylphenols	1.607	1.688		5.0	
n-Nitroso-di-n-propylamine	1.030	1.098	0.050	6.6	
Nitrobenzene-d5	0.405	0.419		3.5	
Hexachloroethane	0.558	0.554		-0.7	
Nitrobenzene	0.409	0.429		4.9	
Isophorone	0.770	0.777		0.9	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.327	0.342		4.6	
bis(2-Chloroethoxy)methane	0.423	0.446		5.4	
2,4-Dichlorophenol	0.351	0.375		6.8	20.0
Naphthalene	1.134	1.150		1.4	
4-Chloroaniline	0.454	0.480		5.7	
Hexachlorobutadiene	0.363	0.356		-1.9	20.0
Caprolactam	0.105	0.116		10.5	
4-Chloro-3-methylphenol	0.390	0.410		5.1	20.0
2-Methylnaphthalene	0.848	0.857		1.1	
Hexachlorocyclopentadiene	0.558	0.514	0.050	-7.9	
2,4,6-Trichlorophenol	0.457	0.473		3.5	20.0
2-Fluorobiphenyl	1.433	1.411		-1.5	
2,4,5-Trichlorophenol	0.512	0.536		4.7	
1,1-Biphenyl	1.436	1.424		-0.8	
2-Chloronaphthalene	1.132	1.136		0.4	
2-Nitroaniline	0.364	0.392		7.7	
Dimethylphthalate	1.580	1.594		0.9	
Acenaphthylene	1.933	1.969		1.9	
2,6-Dinitrotoluene	0.304	0.322		5.9	
3-Nitroaniline	0.300	0.334		11.3	
Acenaphthene	1.159	1.215		4.8	20.0
2,4-Dinitrophenol	0.158	0.188	0.050	19.0	
4-Nitrophenol	0.238	0.275	0.050	15.5	

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: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3649

Instrument ID: BNA_G Calibration Date/Time: 11/17/2025 13:23

Lab File ID: BG064784.D Init. Calib. Date(s): 11/12/2025 11/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:17 16:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.916	1.950		1.8	
2,4-Dinitrotoluene	0.456	0.508		11.4	
Diethylphthalate	1.513	1.563		3.3	
4-Chlorophenyl-phenylether	0.902	0.910		0.9	
Fluorene	1.503	1.520		1.1	
4-Nitroaniline	0.311	0.352		13.2	
4,6-Dinitro-2-methylphenol	0.111	0.119		7.2	
n-Nitrosodiphenylamine	0.524	0.519		-1.0	20.0
2,4,6-Tribromophenol	0.390	0.407		4.4	
4-Bromophenyl-phenylether	0.263	0.254		-3.4	
Hexachlorobenzene	0.318	0.306		-3.8	
Atrazine	0.253	0.248		-2.0	
Pentachlorophenol	0.157	0.178		13.4	20.0
Phenanthrene	1.094	1.079		-1.4	
Anthracene	1.116	1.114		-0.2	
Carbazole	0.959	0.965		0.6	
Di-n-butylphthalate	1.070	1.054		-1.5	
Fluoranthene	1.496	1.468		-1.9	20.0
Pyrene	1.121	1.199		7.0	
Terphenyl-d14	1.017	1.055		3.7	
Butylbenzylphthalate	0.394	0.412		4.6	
3,3-Dichlorobenzidine	0.501	0.464		-7.4	
Benzo(a)anthracene	1.360	1.351		-0.7	
Chrysene	1.282	1.288		0.5	
Bis(2-ethylhexyl)phthalate	0.576	0.568		-1.4	
Di-n-octyl phthalate	0.996	0.953		-4.3	20.0
Benzo(b)fluoranthene	1.273	1.244		-2.3	
Benzo(k)fluoranthene	1.279	1.279		0.0	
Benzo(a)pyrene	1.181	1.179		-0.2	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.407		2.4	
Dibenzo(a,h)anthracene	1.126	1.153		2.4	
Benzo(g,h,i)perylene	1.083	1.120		3.4	
1,2,4,5-Tetrachlorobenzene	0.778	0.767		-1.4	
1,4-Dioxane	0.443	0.432		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.506	0.543		7.3	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.170	152	39415	20.000	ng		0.00
21) Naphthalene-d8	10.984	136	157593	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	128699	20.000	ng		0.00
64) Phenanthrene-d10	17.506	188	344592	20.000	ng		0.00
76) Chrysene-d12	21.760	240	431754	20.000	ng		0.00
86) Perylene-d12	25.021	264	428890	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	184554	81.764	ng		0.00
7) Phenol-d6	7.306	99	256403	85.407	ng		0.00
23) Nitrobenzene-d5	9.327	82	264194	82.888	ng		0.00
42) 2,4,6-Tribromophenol	16.254	330	209426	83.436	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	726585	78.776	ng		0.00
79) Terphenyl-d14	20.091	244	1822764	83.046	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	34054	38.971	ng		98
3) Pyridine	3.939	79	109050	41.884	ng		99
4) n-Nitrosodimethylamine	3.845	42	52141	39.347	ng		93
6) Aniline	7.477	93	167983	41.979	ng		99
8) 2-Chlorophenol	7.723	128	104794	42.282	ng		98
9) Benzaldehyde	7.289	77	75543	38.441	ng		93
10) Phenol	7.336	94	138497	42.400	ng		98
11) bis(2-Chloroethyl)ether	7.571	93	96260	41.413	ng		95
12) 1,3-Dichlorobenzene	8.058	146	118099	41.411	ng		99
13) 1,4-Dichlorobenzene	8.199	146	120325	41.435	ng		99
14) 1,2-Dichlorobenzene	8.522	146	114618	40.706	ng		99
15) Benzyl Alcohol	8.399	79	104559	42.431	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.687	45	217160	39.471	ng		99
17) 2-Methylphenol	8.599	107	97386	42.136	ng		97
18) Hexachloroethane	9.263	117	43644	39.681	ng		99
19) n-Nitroso-di-n-propyla...	8.969	70	86516	42.621	ng		89
20) 3+4-Methylphenols	8.928	107	133050	42.021	ng		97
22) Acetophenone	8.987	105	177850	41.423	ng	#	98
24) Nitrobenzene	9.368	77	135280	42.005	ng		96
25) Isophorone	9.897	82	244846	40.339	ng		99
26) 2-Nitrophenol	10.085	139	62874	43.403	ng		96
27) 2,4-Dimethylphenol	10.138	122	107892	41.924	ng		98
28) bis(2-Chloroethoxy)met...	10.373	93	140458	42.151	ng		99
29) 2,4-Dichlorophenol	10.620	162	118312	42.820	ng		99
30) 1,2,4-Trichlorobenzene	10.843	180	133475	40.006	ng		98
31) Naphthalene	11.037	128	362619	40.590	ng		99
32) Benzoic acid	10.262	122	73255m	41.271	ng		
33) 4-Chloroaniline	11.131	127	151174	42.302	ng		98
34) Hexachlorobutadiene	11.319	225	112150	39.177	ng		96
35) Caprolactam	11.889	113	36479	44.142	ng	#	86
36) 4-Chloro-3-methylphenol	12.236	107	129375	42.069	ng		96
37) 2-Methylnaphthalene	12.623	142	270128	40.406	ng		99
38) 1-Methylnaphthalene	12.841	142	266934	40.196	ng		99
40) 1,2,4,5-Tetrachloroben...	12.988	216	197440	39.420	ng		98
41) Hexachlorocyclopentadiene	12.970	237	132431	36.889	ng		96
43) 2,4,6-Trichlorophenol	13.217	196	121805	41.436	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.287	196	138008	41.859	ng		99
46)	1,1'-Biphenyl	13.616	154	366646	39.665	ng		97
47)	2-Chloronaphthalene	13.663	162	292456	40.159	ng		98
48)	2-Nitroaniline	13.851	65	100881	43.069	ng		94
49)	Acenaphthylene	14.504	152	506874	40.741	ng		98
50)	Dimethylphthalate	14.222	163	410182	40.347	ng		98
51)	2,6-Dinitrotoluene	14.339	165	82798	42.325	ng		97
52)	Acenaphthene	14.839	154	312865	41.941	ng		99
53)	3-Nitroaniline	14.662	138	86087	44.587	ng		95
54)	2,4-Dinitrophenol	14.868	184	48456	40.864	ng		94
55)	Dibenzofuran	15.173	168	501820	40.691	ng		97
56)	4-Nitrophenol	14.962	139	70833	46.239	ng		95
57)	2,4-Dinitrotoluene	15.121	165	130885	44.628	ng		96
58)	Fluorene	15.814	166	391372	40.463	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.391	232	139729	42.954	ng		97
60)	Diethylphthalate	15.573	149	402399	41.318	ng		100
61)	4-Chlorophenyl-phenyle...	15.802	204	234246	40.354	ng		99
62)	4-Nitroaniline	15.820	138	90609	45.299	ng		96
63)	Azobenzene	16.096	77	332869	41.093	ng		99
65)	4,6-Dinitro-2-methylph...	15.878	198	82134	42.929	ng		96
66)	n-Nitrosodiphenylamine	16.014	169	357416	39.598	ng		99
67)	4-Bromophenyl-phenylether	16.695	248	174831	38.634	ng		98
68)	Hexachlorobenzene	16.819	284	210549	38.403	ng		98
69)	Atrazine	16.948	200	170622	39.208	ng		99
70)	Pentachlorophenol	17.153	266	122753	41.073	ng		96
71)	Phenanthrene	17.547	178	743700	39.446	ng		99
72)	Anthracene	17.641	178	767995	39.948	ng		99
73)	Carbazole	17.900	167	664760	40.223	ng		99
74)	Di-n-butylphthalate	18.452	149	726489	39.401	ng		99
75)	Fluoranthene	19.545	202	1011424	39.231	ng		99
77)	Benzidine	19.709	184	444104	34.346	ng		98
78)	Pyrene	19.903	202	1035580	42.796	ng		99
80)	Butylbenzylphthalate	20.773	149	355789	41.802	ng		97
81)	Benzo(a)anthracene	21.742	228	1167011	39.752	ng		100
82)	3,3'-Dichlorobenzidine	21.642	252	400531	37.067	ng		99
83)	Chrysene	21.807	228	1112444	40.193	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.636	149	490724	39.456	ng		100
85)	Di-n-octyl phthalate	22.864	149	822528	38.259	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.763	276	1206608	40.949	ng	#	96
88)	Benzo(b)fluoranthene	23.987	252	1066818	39.086	ng		99
89)	Benzo(k)fluoranthene	24.057	252	1096758	39.997	ng		99
90)	Benzo(a)pyrene	24.874	252	1011322	39.944	ng		100
91)	Dibenzo(a,h)anthracene	28.828	278	988899	40.966	ng		96
92)	Benzo(g,h,i)perylene	29.927	276	960326	41.337	ng		98

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

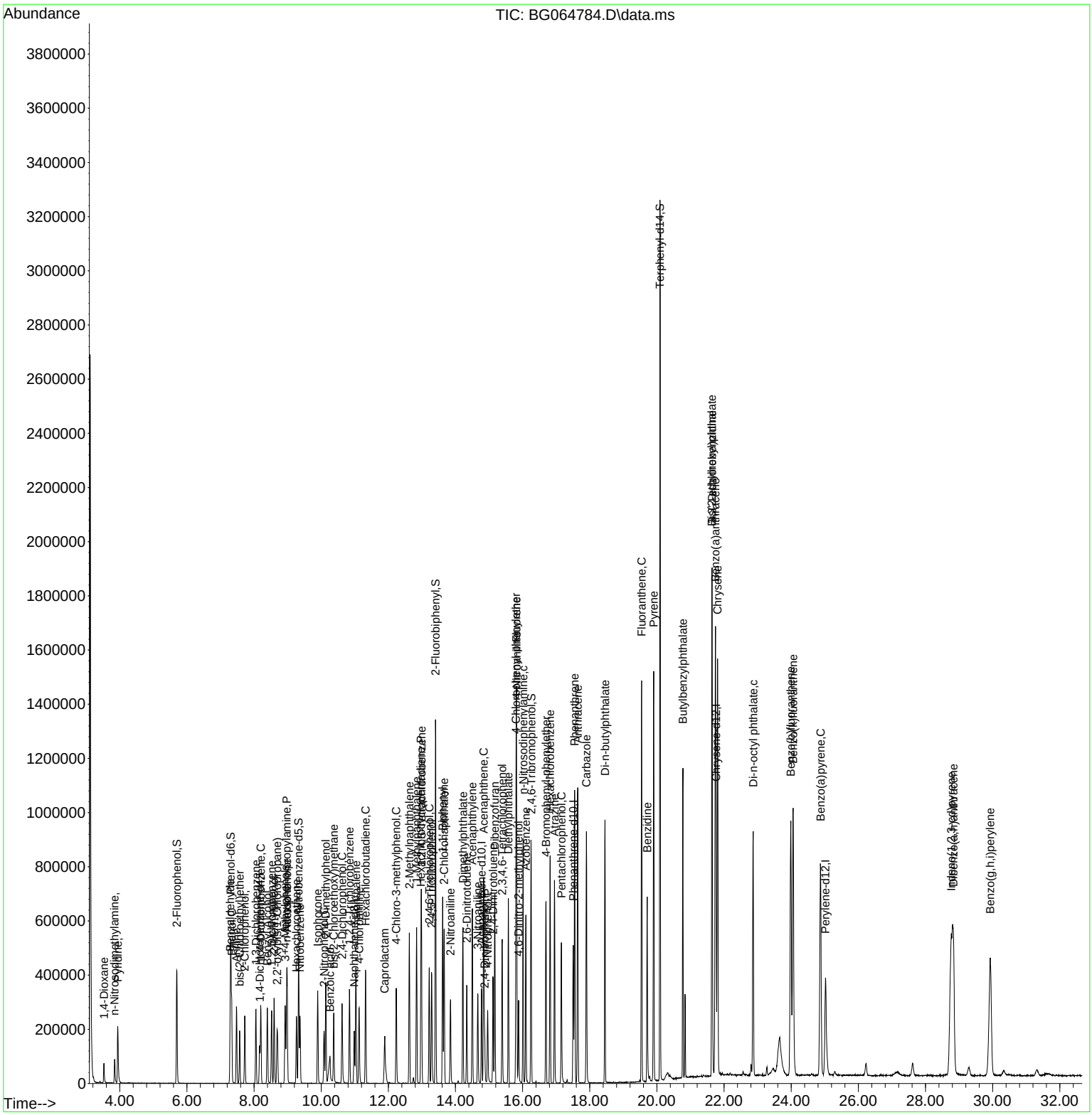
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

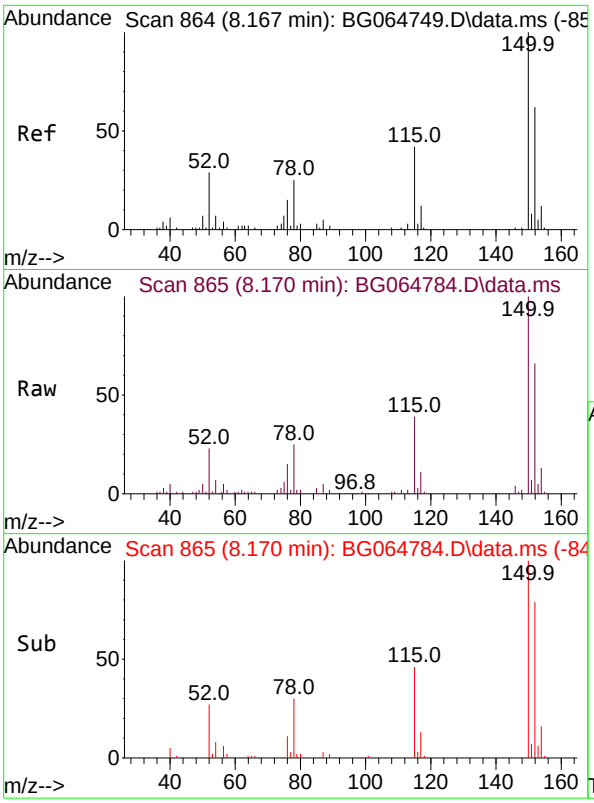
Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

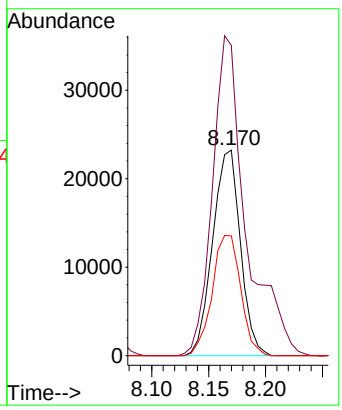




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.170 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:152 Resp: 3941

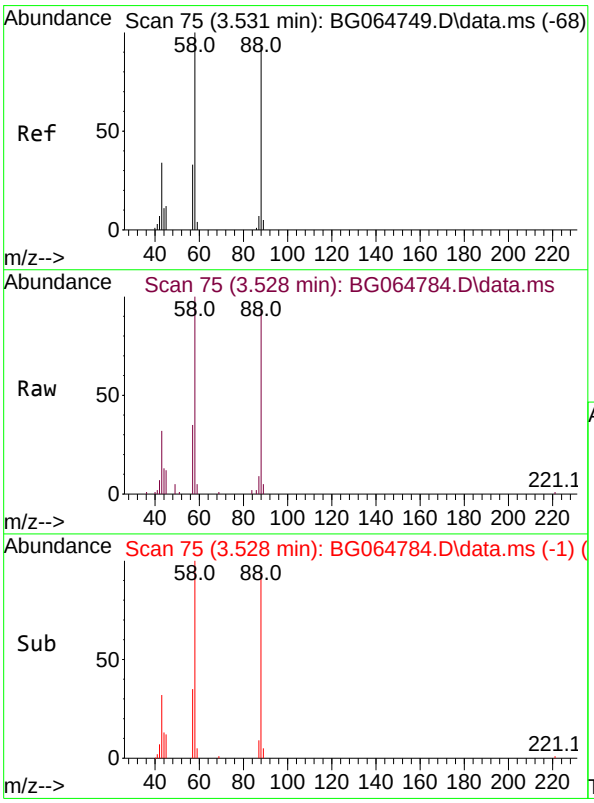
Ion	Ratio	Lower	Upper
152	100		
150	150.9	129.2	193.8
115	58.3	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

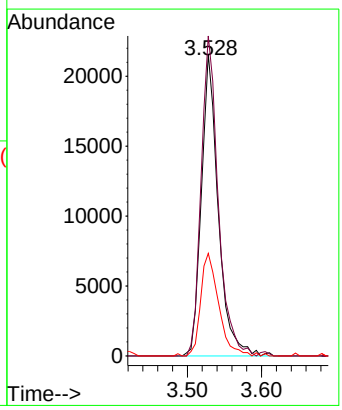
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

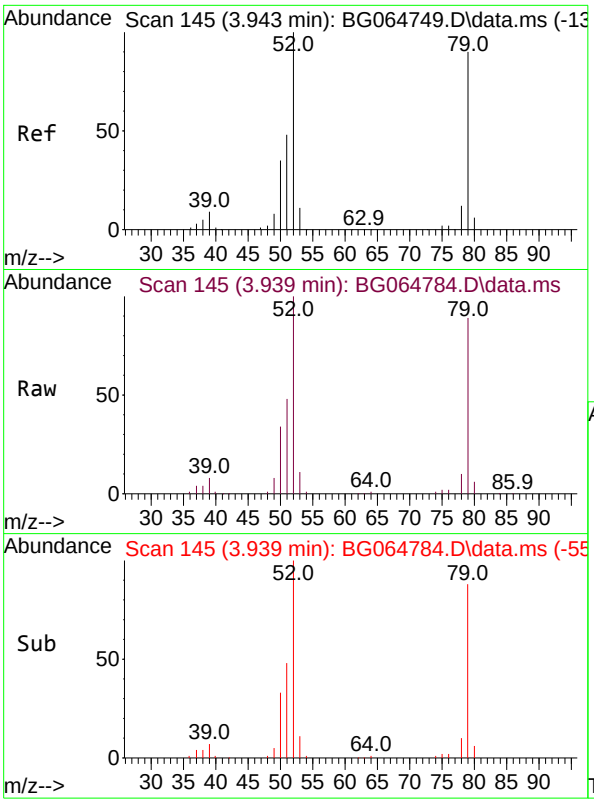


#2
1,4-Dioxane
Concen: 38.971 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 88 Resp: 34054

Ion	Ratio	Lower	Upper
88	100		
58	107.7	84.6	126.8
43	36.0	30.0	45.0





#3
Pyridine
Concen: 41.884 ng
RT: 3.939 min Scan# 14
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

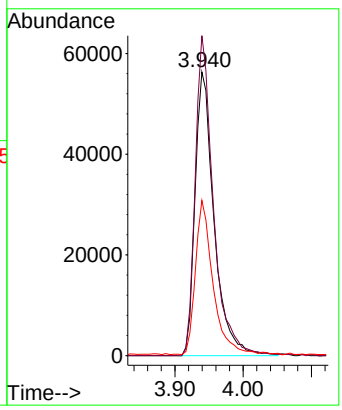
Tgt Ion: 79 Resp: 10905

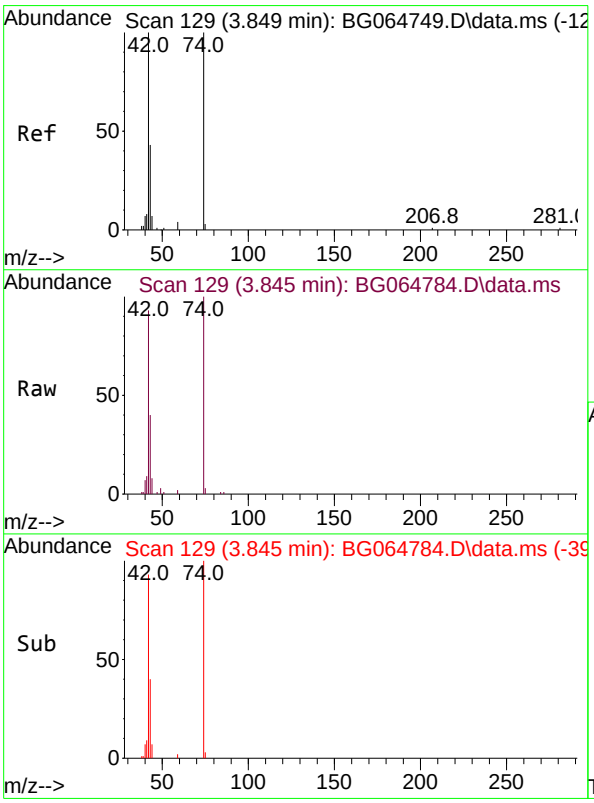
Ion	Ratio	Lower	Upper
79	100		
52	112.8	89.0	133.4
51	54.7	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

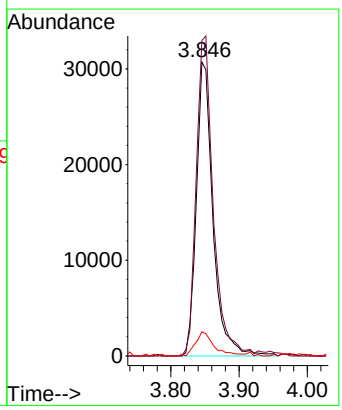


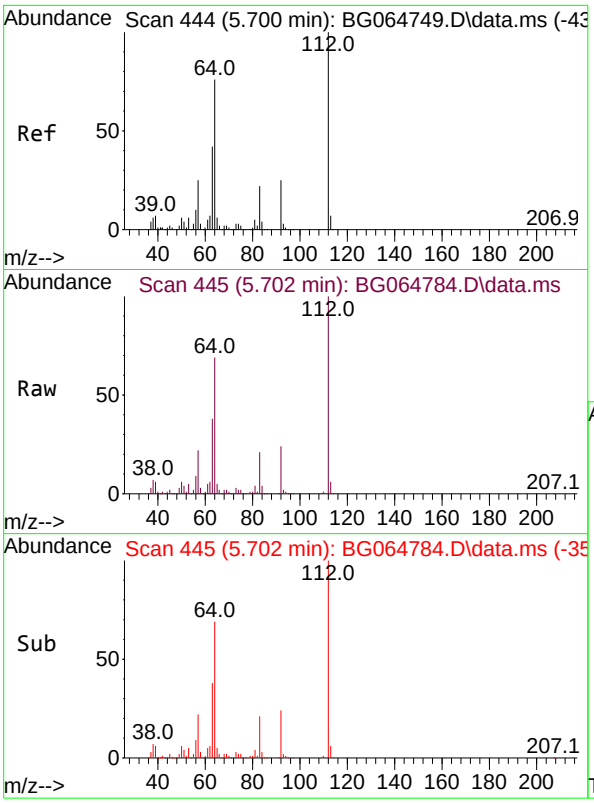


#4
n-Nitrosodimethylamine
Concen: 39.347 ng
RT: 3.845 min Scan# 129
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 42 Resp: 52141

Ion	Ratio	Lower	Upper
42	100		
74	107.4	79.8	119.6
44	8.2	5.9	8.9





#5
2-Fluorophenol
Concen: 81.764 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

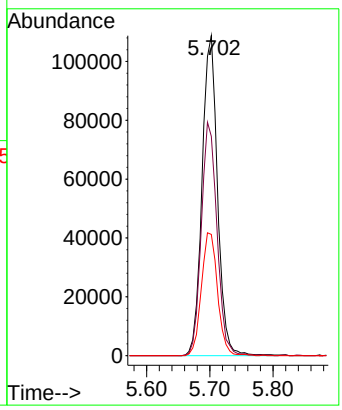
Tgt Ion:112 Resp: 18455

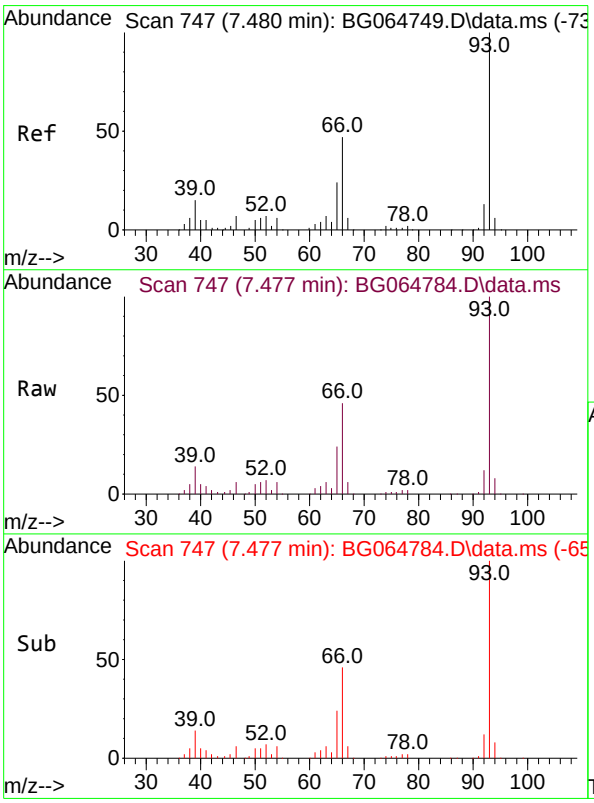
Ion	Ratio	Lower	Upper
112	100		
64	68.5	61.0	91.4
63	37.9	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

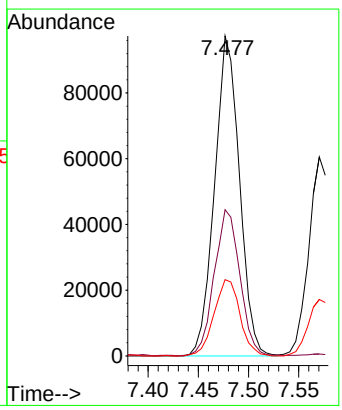


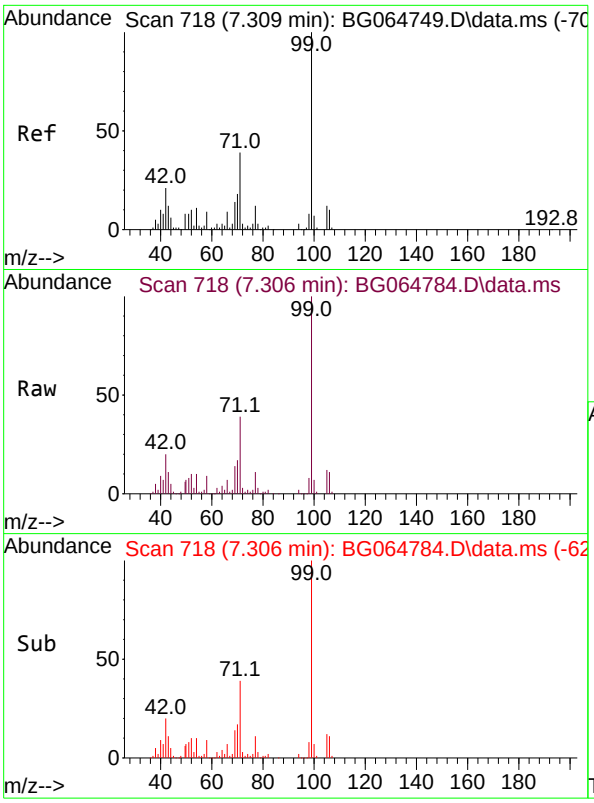


#6
Aniline
Concen: 41.979 ng
RT: 7.477 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 93 Resp: 167983

Ion	Ratio	Lower	Upper
93	100		
66	45.7	37.7	56.5
65	23.8	19.1	28.7

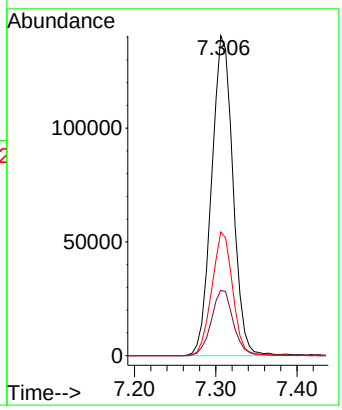




#7
Phenol-d6
Concen: 85.407 ng
RT: 7.306 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 99 Resp: 25640

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.8	25.2
71	38.6	31.1	46.7



Instrument :
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ClientSampleId :
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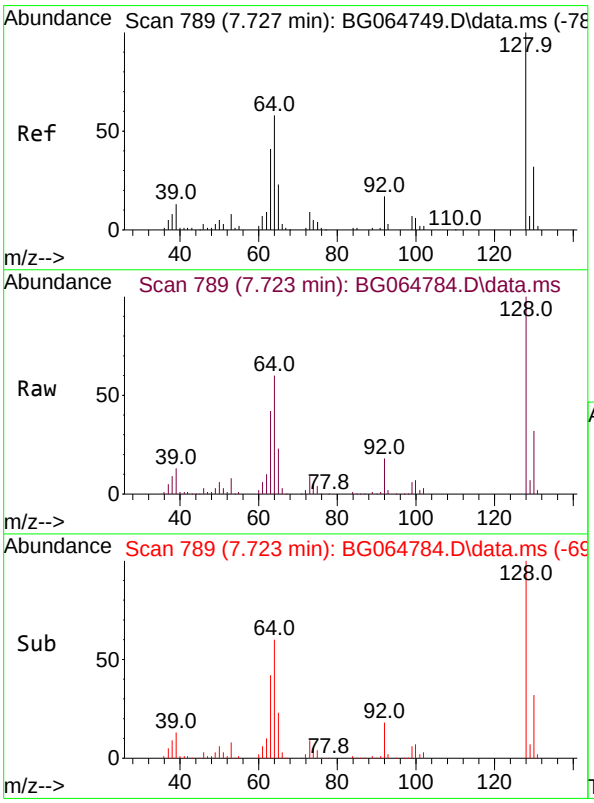
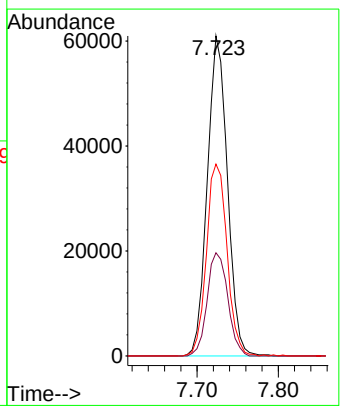
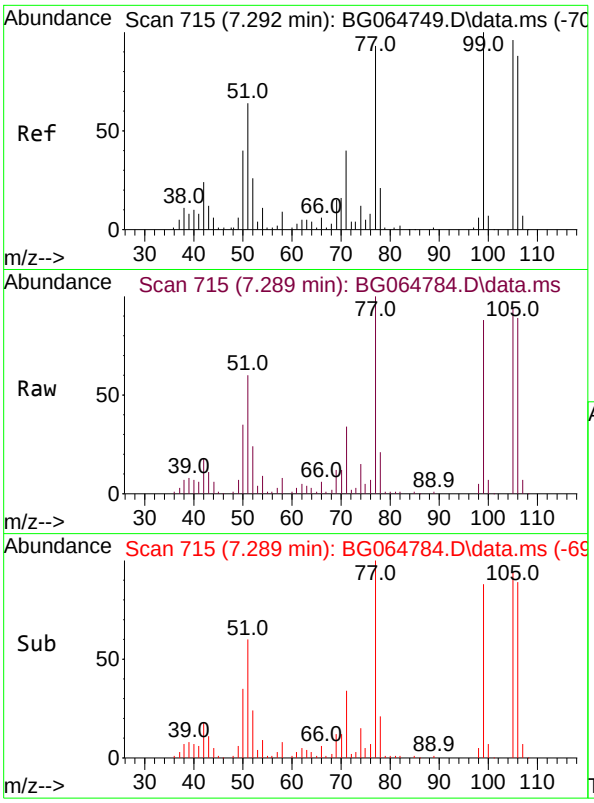


#8
2-Chlorophenol
Concen: 42.282 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:128 Resp: 104794

Ion	Ratio	Lower	Upper
128	100		
130	32.2	11.9	51.9
64	60.0	38.4	78.4

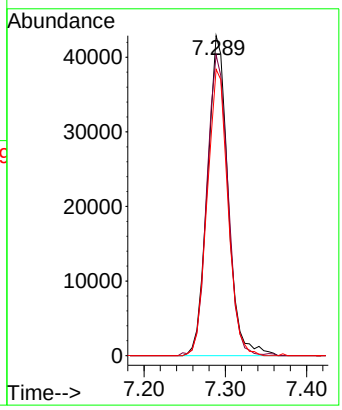




#9
Benzaldehyde
Concen: 38.441 ng
RT: 7.289 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 77 Resp: 7554

Ion	Ratio	Lower	Upper
77	100		
105	93.9	83.8	123.8
106	89.5	74.3	114.3



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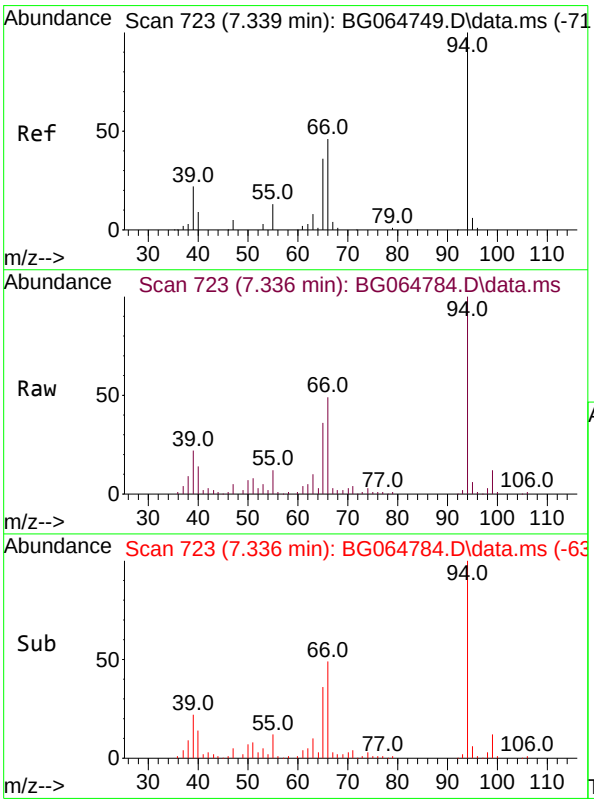
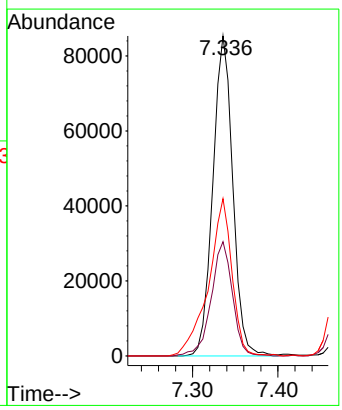
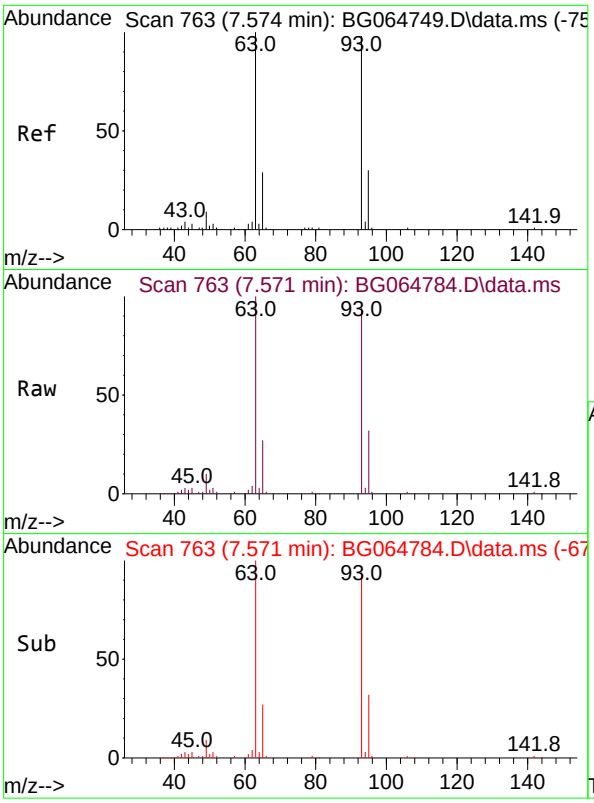


#10
Phenol
Concen: 42.400 ng
RT: 7.336 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 94 Resp: 138497

Ion	Ratio	Lower	Upper
94	100		
65	35.7	17.0	57.0
66	49.1	29.8	69.8

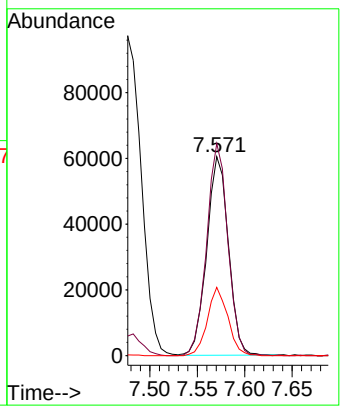




#11
bis(2-Chloroethyl)ether
Concen: 41.413 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 93 Resp: 9626

Ion	Ratio	Lower	Upper
93	100		
63	106.6	81.8	121.8
95	34.3	10.3	50.3



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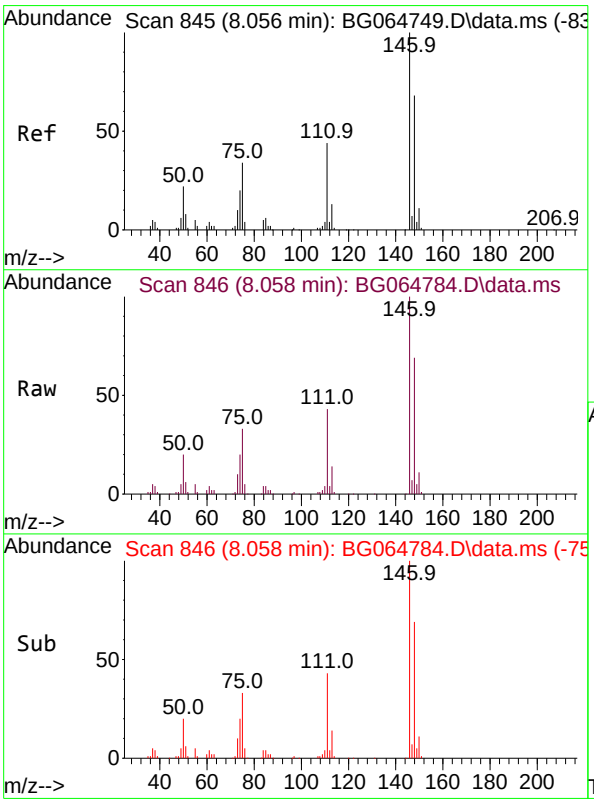
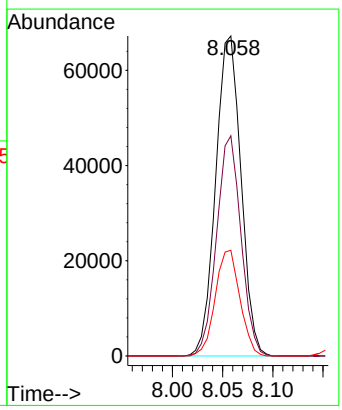
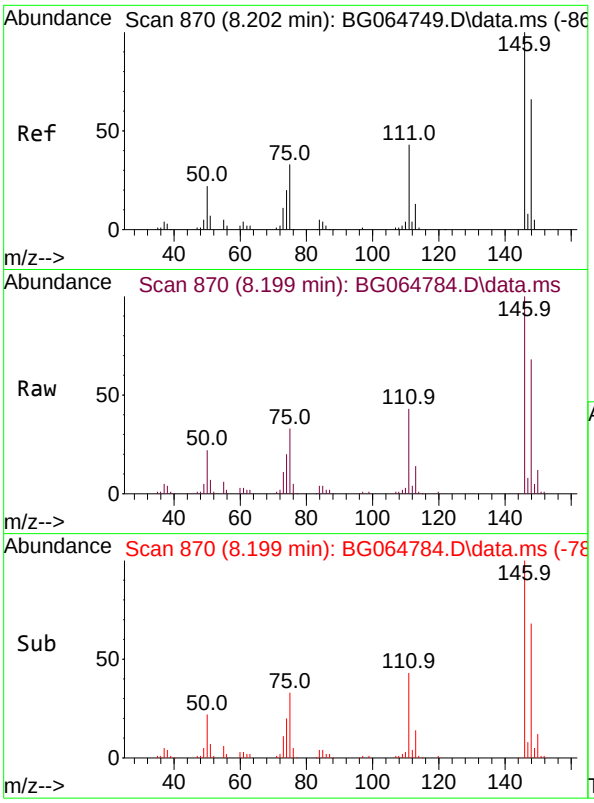


#12
1,3-Dichlorobenzene
Concen: 41.411 ng
RT: 8.058 min Scan# 846
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:146 Resp: 118099

Ion	Ratio	Lower	Upper
146	100		
148	68.8	54.6	82.0
75	33.0	27.6	41.4

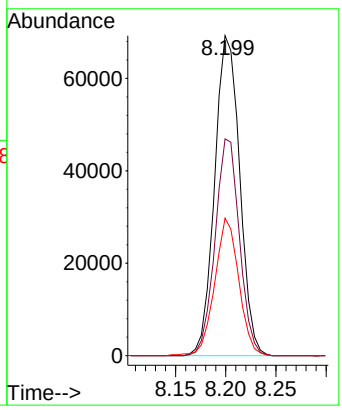




#13
1,4-Dichlorobenzene
Concen: 41.435 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:146 Resp: 12032

Ion	Ratio	Lower	Upper
146	100		
148	67.7	53.1	79.7
111	42.9	34.1	51.1



Instrument :
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ClientSampleId :
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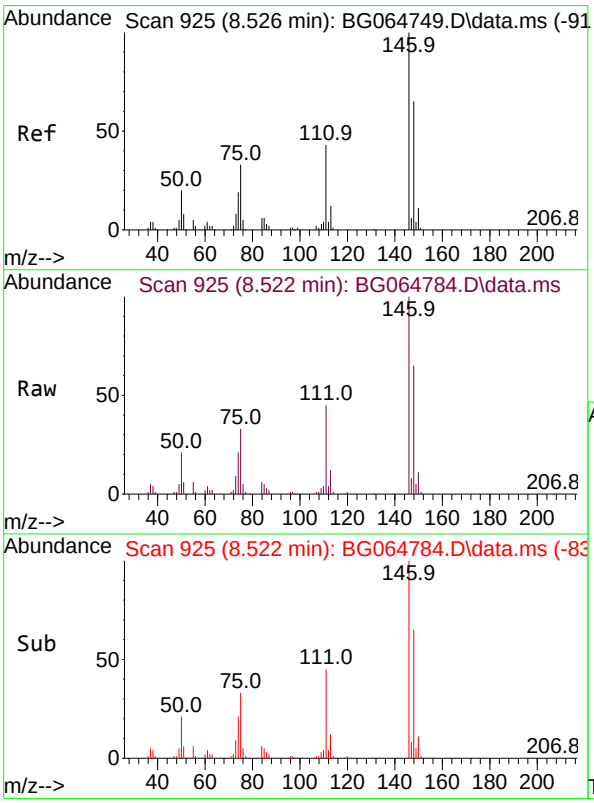
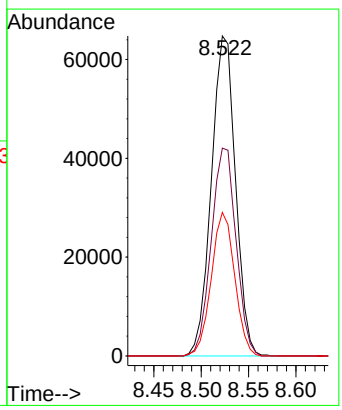
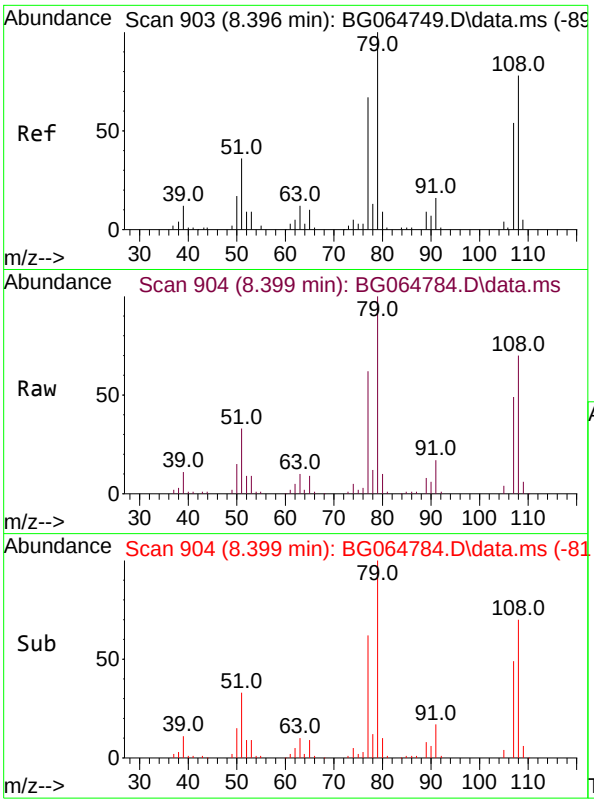


#14
1,2-Dichlorobenzene
Concen: 40.706 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:146 Resp: 114618

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.0	78.0
111	44.9	34.7	52.1

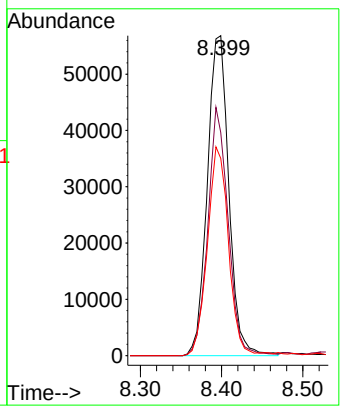




#15
Benzyl Alcohol
Concen: 42.431 ng
RT: 8.399 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 79 Resp: 104559

Ion	Ratio	Lower	Upper
79	100		
108	69.7	62.3	93.5
77	61.6	53.5	80.3



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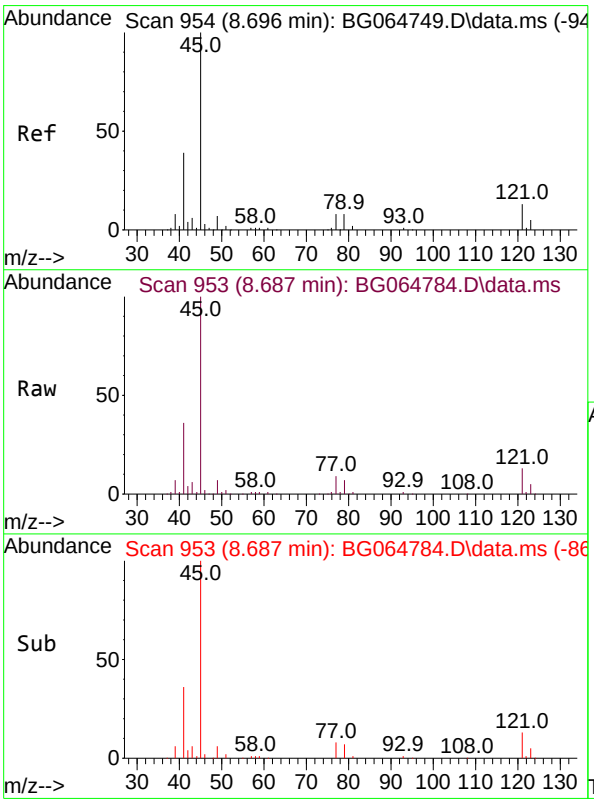
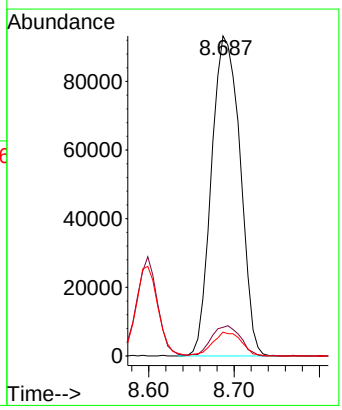
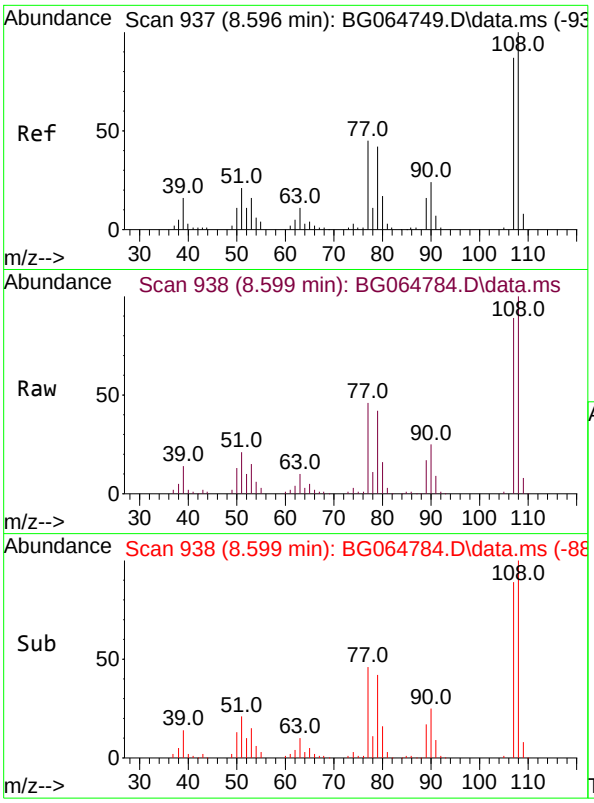


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.471 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.009 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 45 Resp: 217160

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	28.8
79	7.4	0.0	28.1

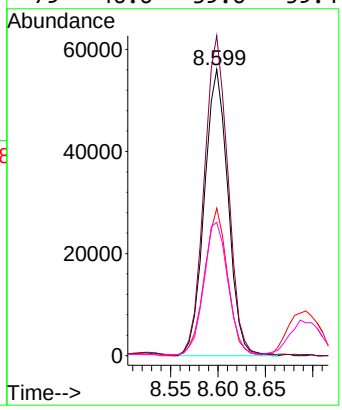




#17
2-Methylphenol
Concen: 42.136 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:107 Resp: 9738

Ion	Ratio	Lower	Upper
107	100		
108	111.8	92.6	138.8
77	51.6	41.2	61.8
79	46.6	39.6	59.4



Instrument :
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ClientSampleId :
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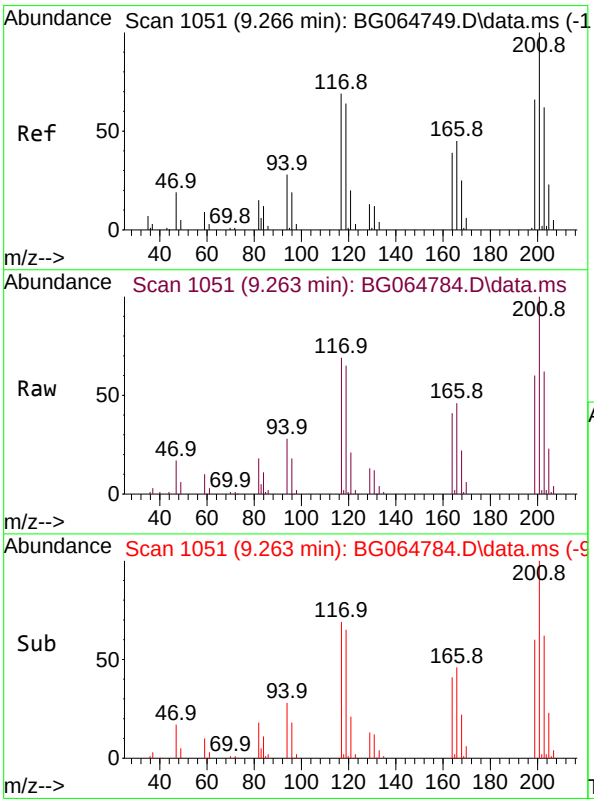
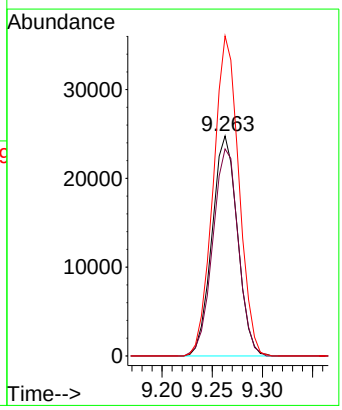
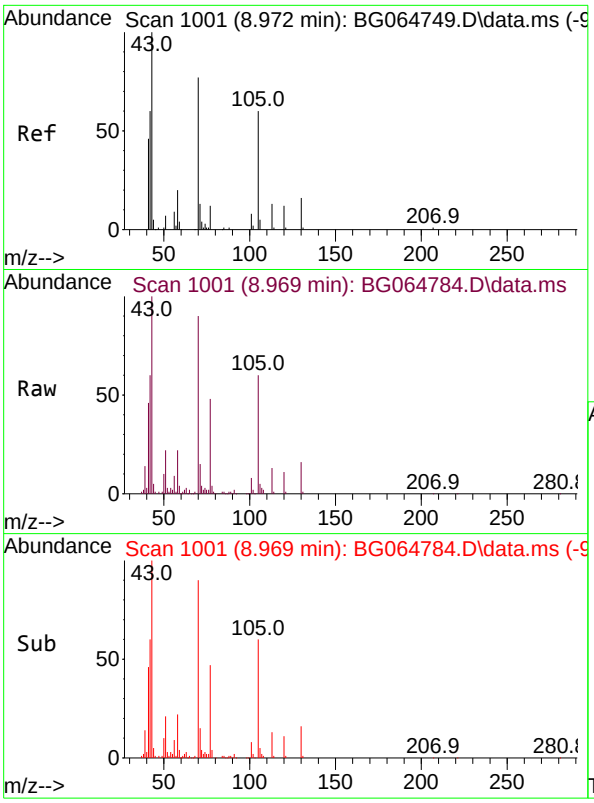


#18
Hexachloroethane
Concen: 39.681 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:117 Resp: 43644

Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.4	111.6
201	145.5	116.5	174.7

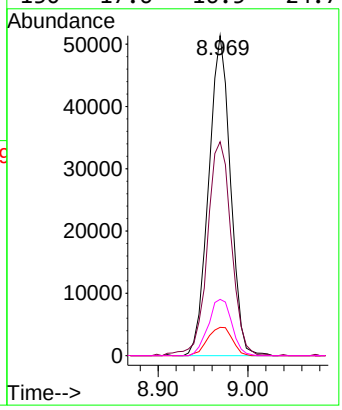




#19
n-Nitroso-di-n-propylamine
Concen: 42.621 ng
RT: 8.969 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 70 Resp: 8651

Ion	Ratio	Lower	Upper
70	100		
42	66.8	62.6	93.8
101	8.8	8.0	12.0
130	17.6	16.5	24.7



Instrument :
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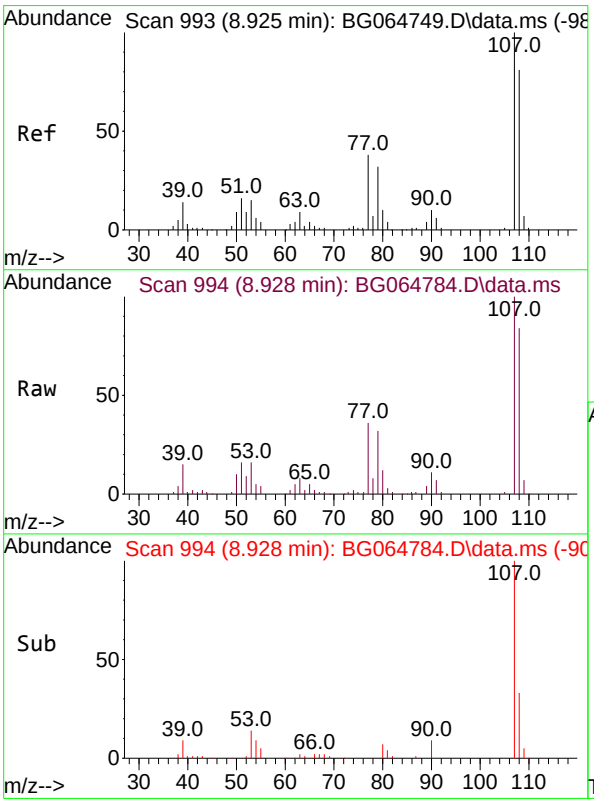
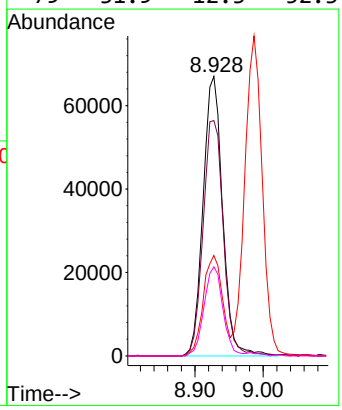
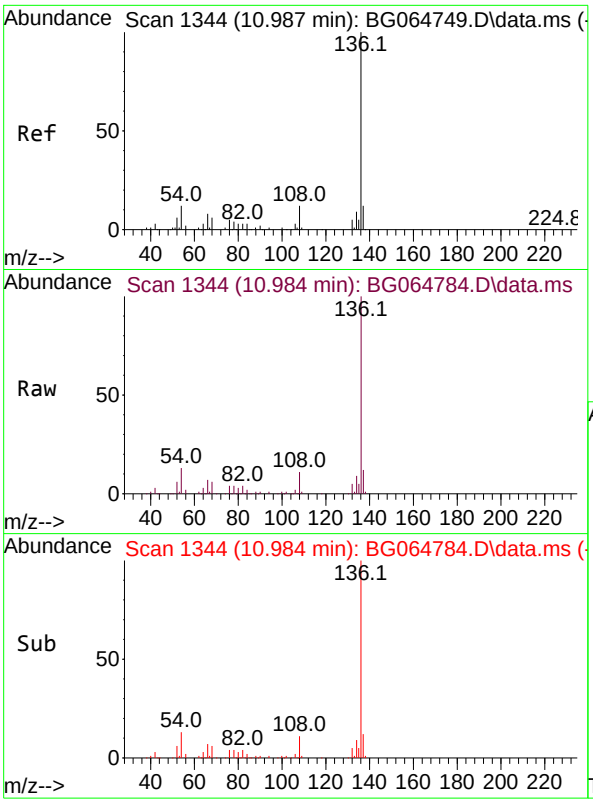


#20
3+4-Methylphenols
Concen: 42.021 ng
RT: 8.928 min Scan# 994
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:107 Resp: 133050

Ion	Ratio	Lower	Upper
107	100		
108	84.2	61.0	101.0
77	35.9	17.6	57.6
79	31.9	12.3	52.3

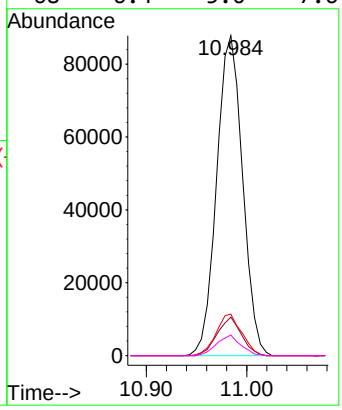




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:136 Resp: 15759

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	13.0	9.3	13.9
68	6.4	5.0	7.6



Instrument :
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ClientSampleId :
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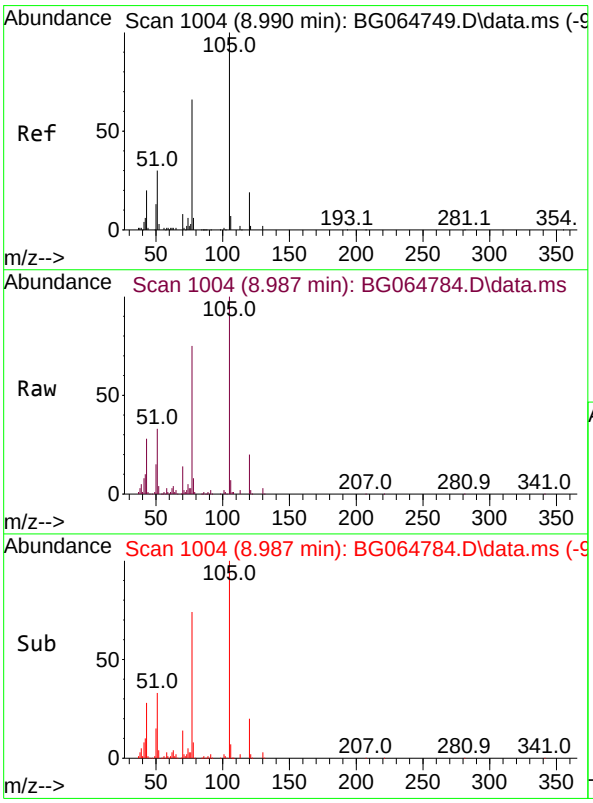
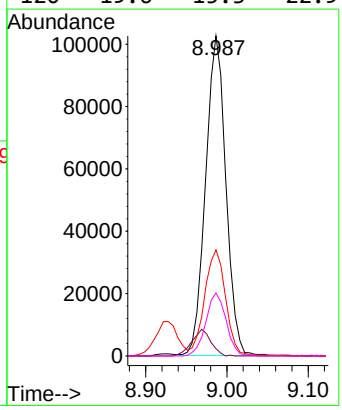
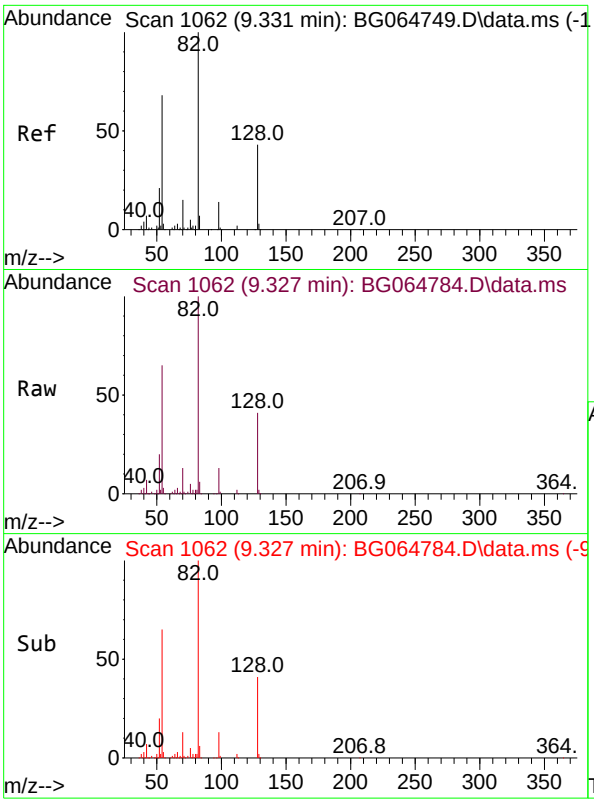


#22
Acetophenone
Concen: 41.423 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:105 Resp: 177850

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.3	1.9#
51	33.1	27.9	41.9
120	19.6	15.3	22.9





#23
Nitrobenzene-d5
Concen: 82.888 ng
RT: 9.327 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 82 Resp: 26419

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.1	51.1
54	65.4	54.3	81.5

Instrument :
BNA_G
ClientSampleId :
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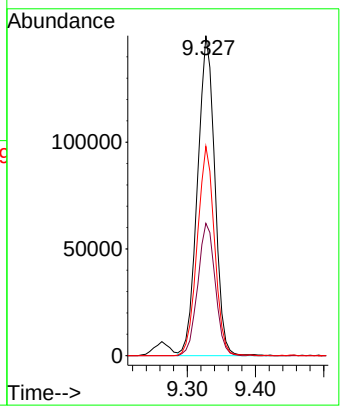
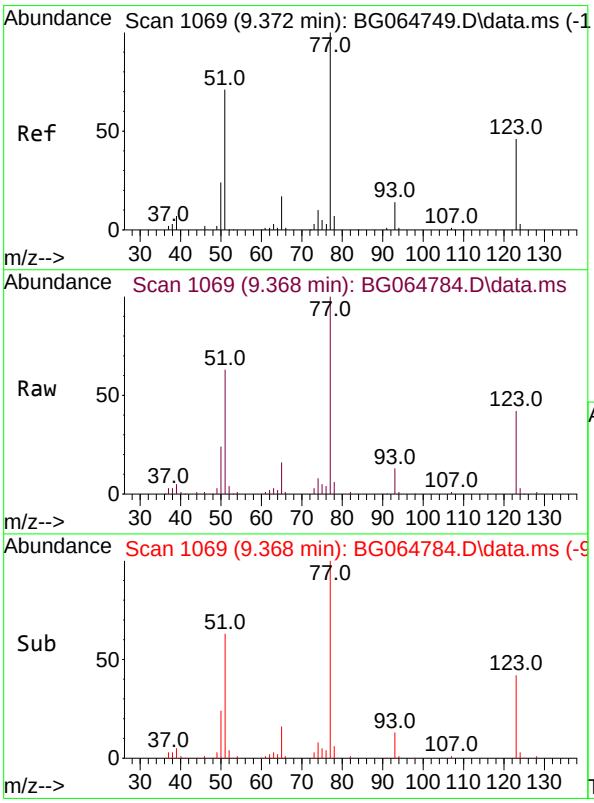
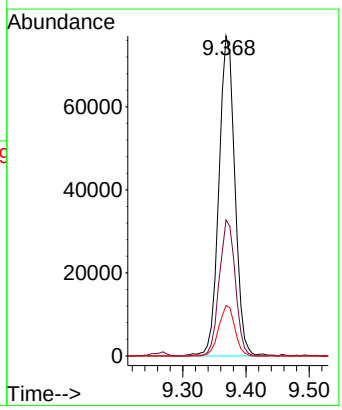


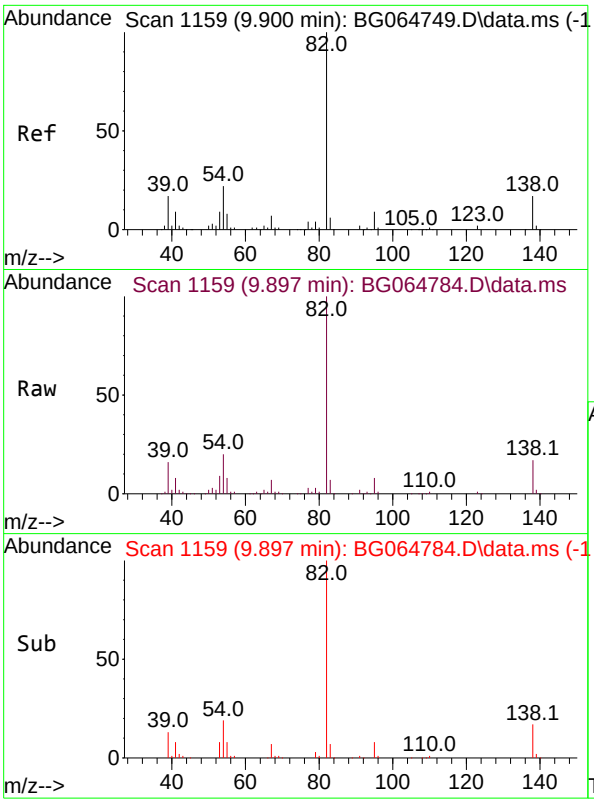


#24
Nitrobenzene
Concen: 42.005 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 77 Resp: 135280

Ion	Ratio	Lower	Upper
77	100		
123	42.5	36.5	54.7
65	15.7	13.5	20.3

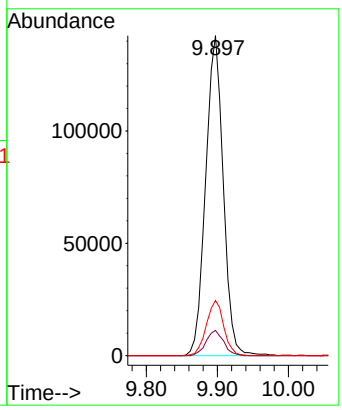




#25
Isophorone
Concen: 40.339 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 82 Resp: 24484

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.9	10.3
138	17.2	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
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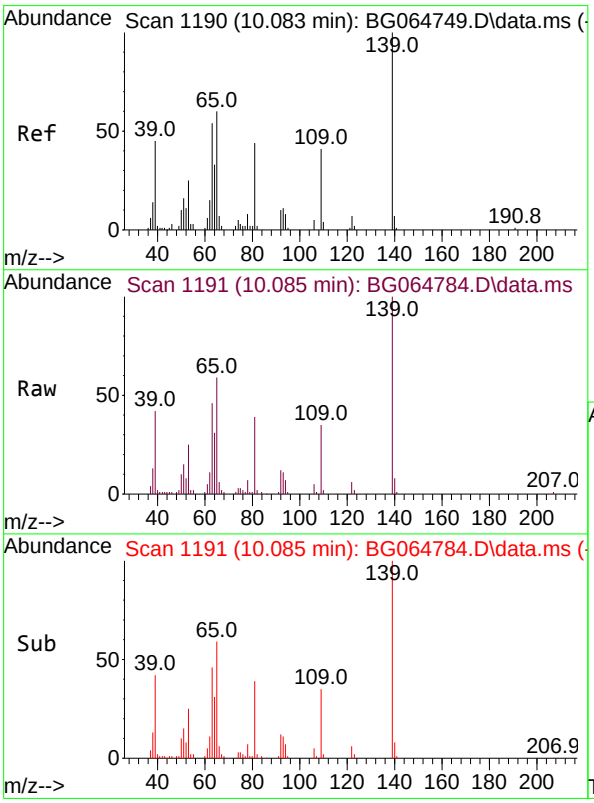
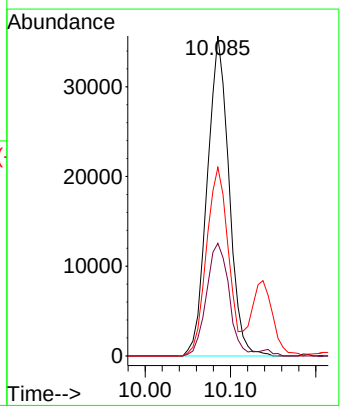
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

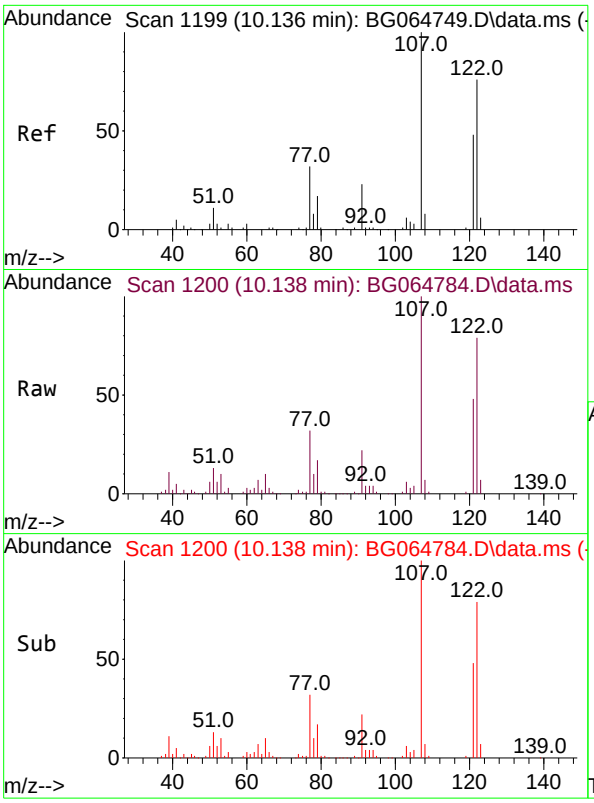


#26
2-Nitrophenol
Concen: 43.403 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:139 Resp: 62874

Ion	Ratio	Lower	Upper
139	100		
109	35.2	32.5	48.7
65	58.9	47.6	71.4

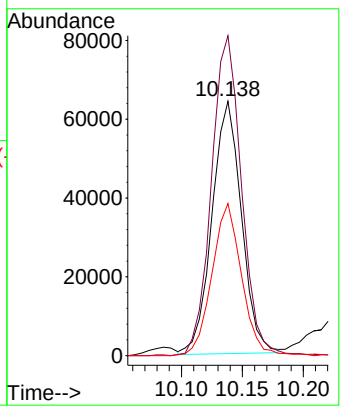




#27
2,4-Dimethylphenol
Concen: 41.924 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:122 Resp: 10789

Ion	Ratio	Lower	Upper
122	100		
107	125.8	102.5	153.7
121	59.8	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
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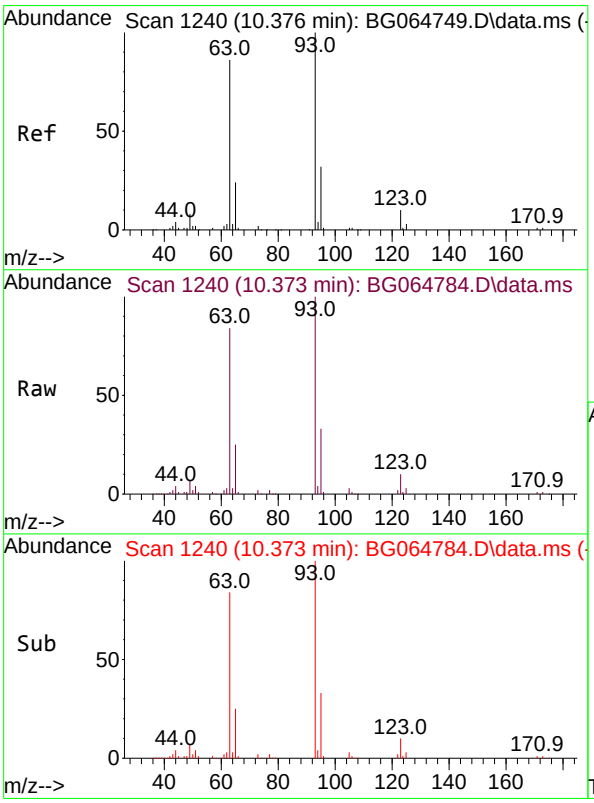
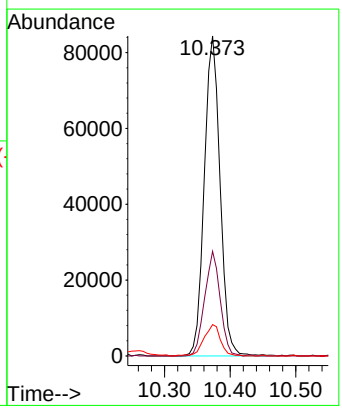
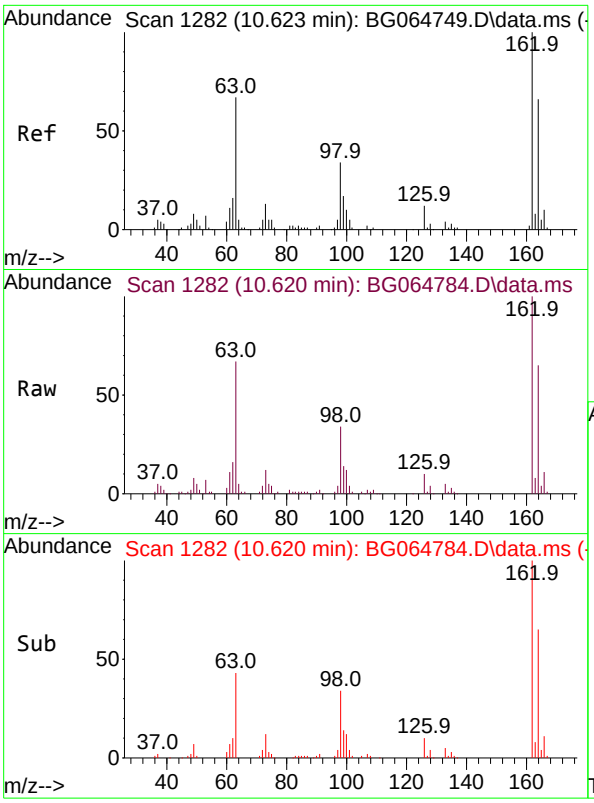


#28
bis(2-Chloroethoxy)methane
Concen: 42.151 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 93 Resp: 140458

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	9.8	8.1	12.1

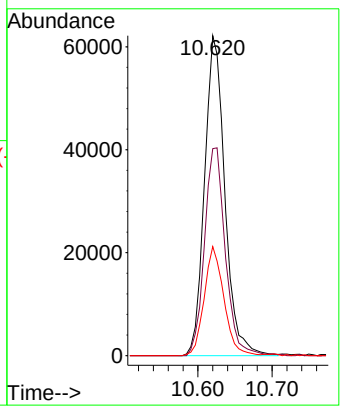




#29
2,4-Dichlorophenol
Concen: 42.820 ng
RT: 10.620 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:162 Resp: 11831

Ion	Ratio	Lower	Upper
162	100		
164	64.7	46.0	86.0
98	34.1	14.2	54.2



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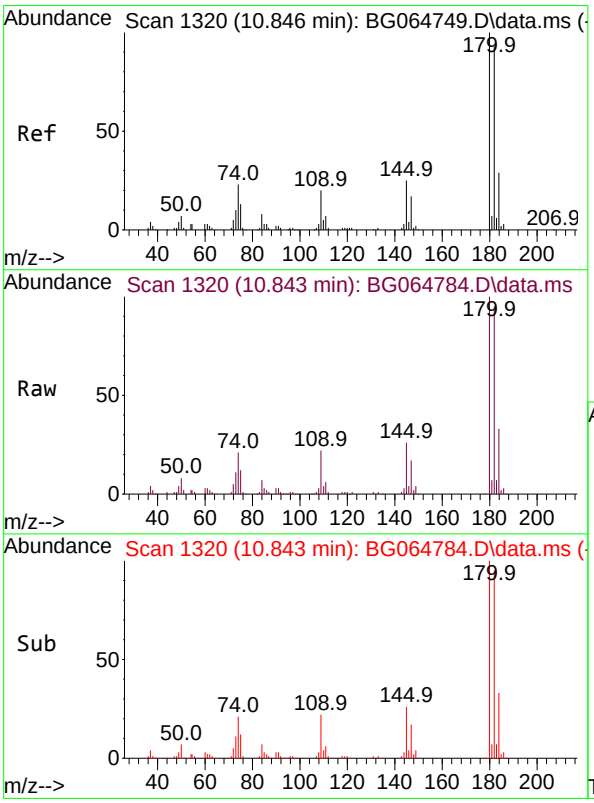
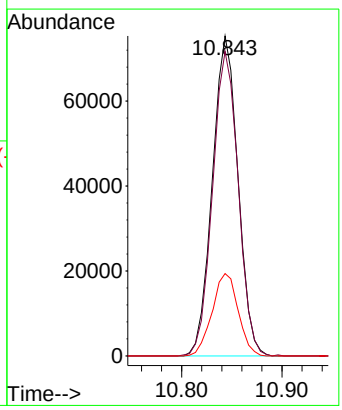
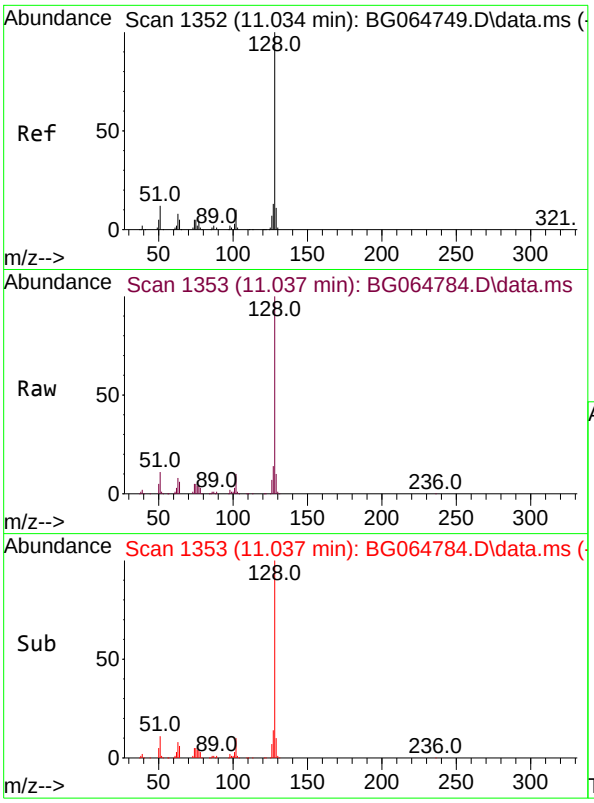


#30
1,2,4-Trichlorobenzene
Concen: 40.006 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:180 Resp: 133475

Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.2	111.4
145	25.7	20.0	30.0

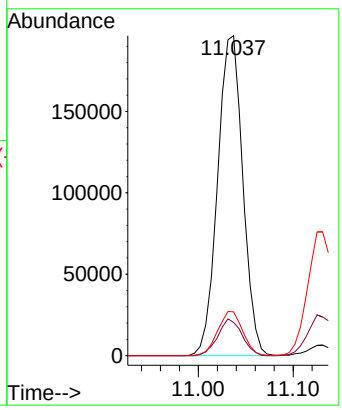




#31
Naphthalene
Concen: 40.590 ng
RT: 11.037 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:128 Resp: 362619

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	13.7	10.6	16.0



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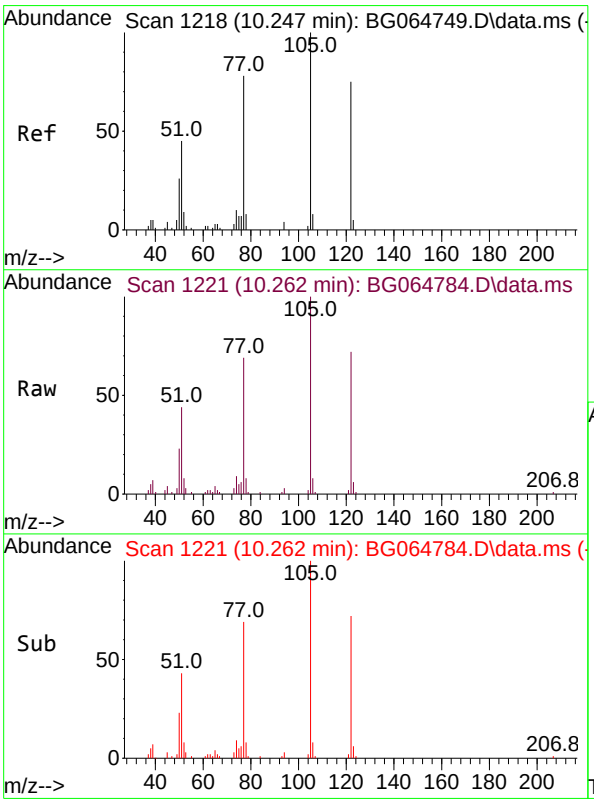
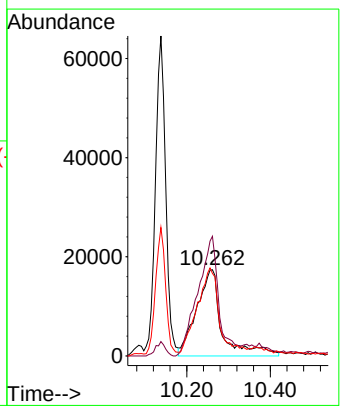
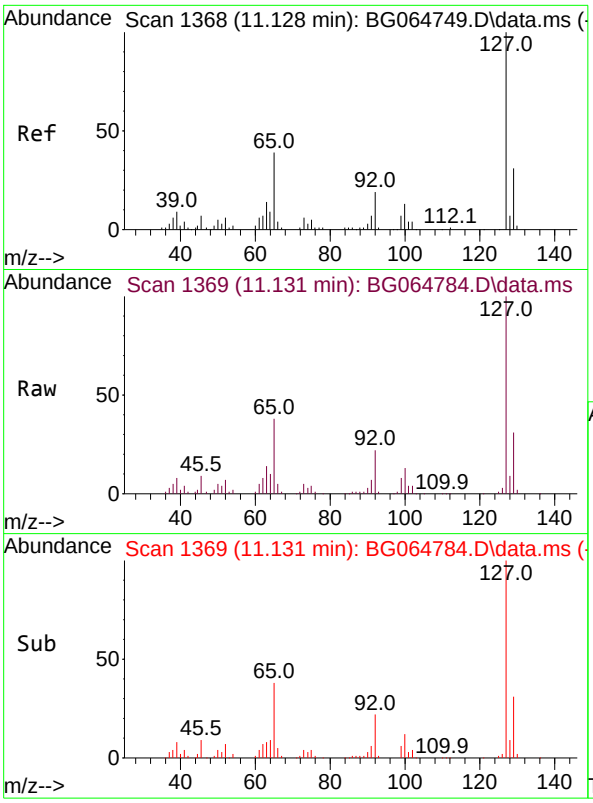


#32
Benzoic acid
Concen: 41.271 ng m
RT: 10.262 min Scan# 1221
Delta R.T. 0.015 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:122 Resp: 73255

Ion	Ratio	Lower	Upper
122	100		
105	138.8	107.6	147.6
77	95.8	82.5	122.5

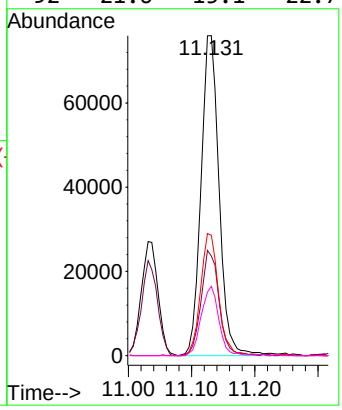




#33
4-Chloroaniline
Concen: 42.302 ng
RT: 11.131 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:127 Resp: 15117

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	37.6	30.9	46.3
92	21.6	15.1	22.7



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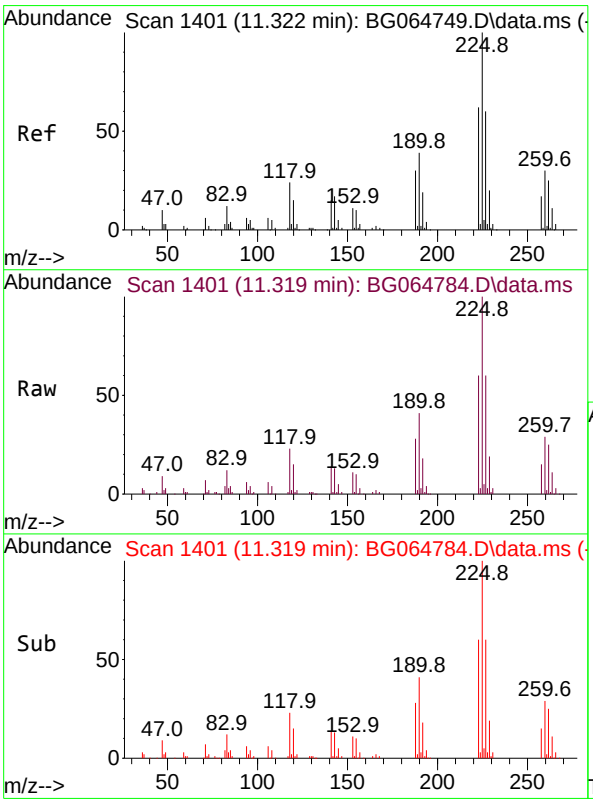
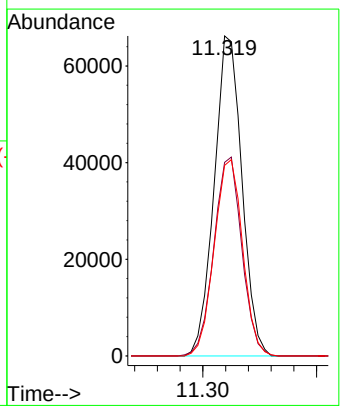
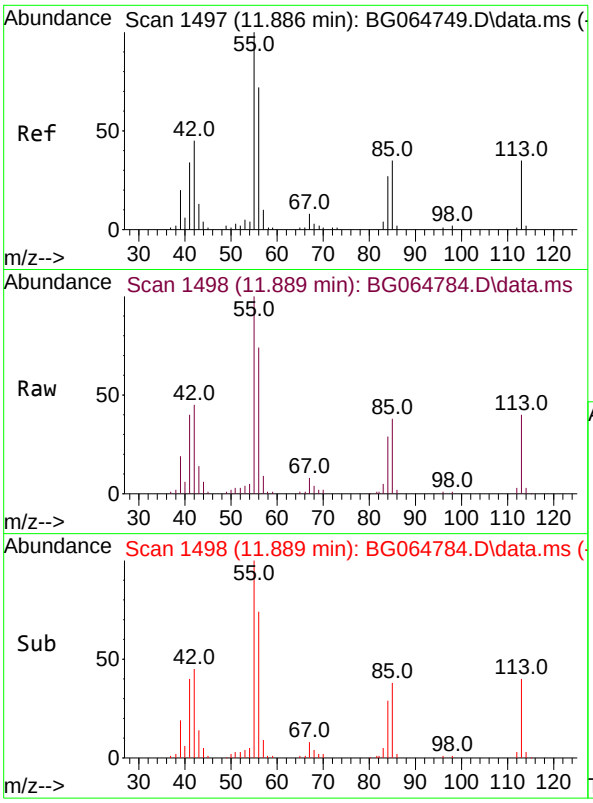


#34
Hexachlorobutadiene
Concen: 39.177 ng
RT: 11.319 min Scan# 1401
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:225 Resp: 112150

Ion	Ratio	Lower	Upper
225	100		
223	60.5	49.9	74.9
227	59.5	50.6	75.8





#35
Caprolactam
Concen: 44.142 ng
RT: 11.889 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 3647

Ion	Ratio	Lower	Upper
113	100		
55	251.9	263.7	303.7#
56	186.9	184.0	224.0

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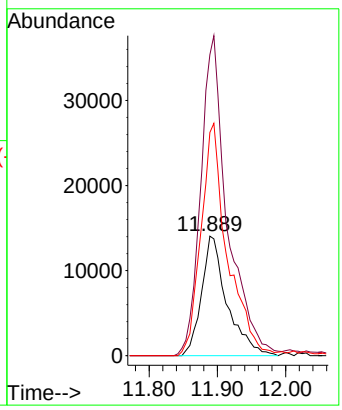
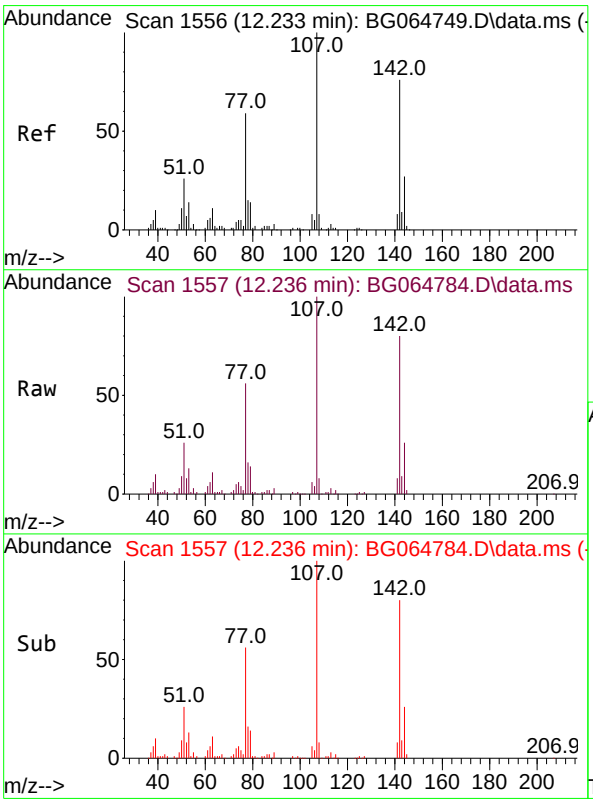
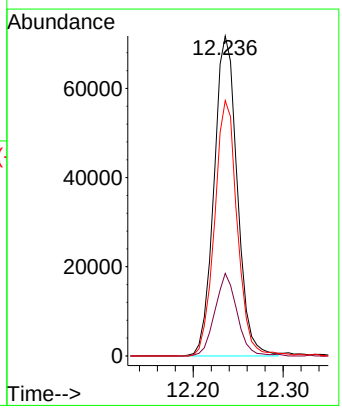


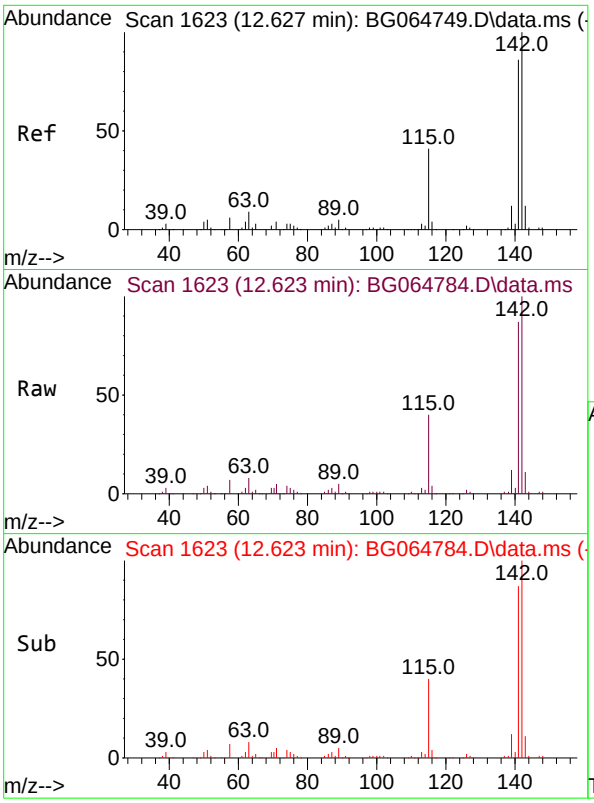


#36
4-Chloro-3-methylphenol
Concen: 42.069 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:107 Resp: 129375

Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.7	32.5
142	79.8	60.8	91.2

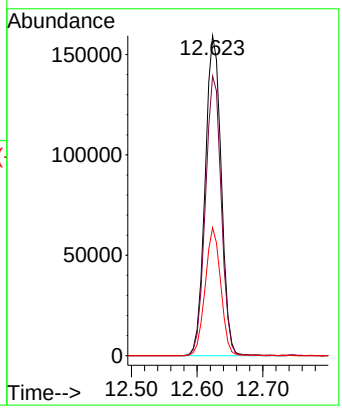




#37
2-Methylnaphthalene
Concen: 40.406 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:142 Resp: 27012

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.1	103.7
115	40.0	32.9	49.3



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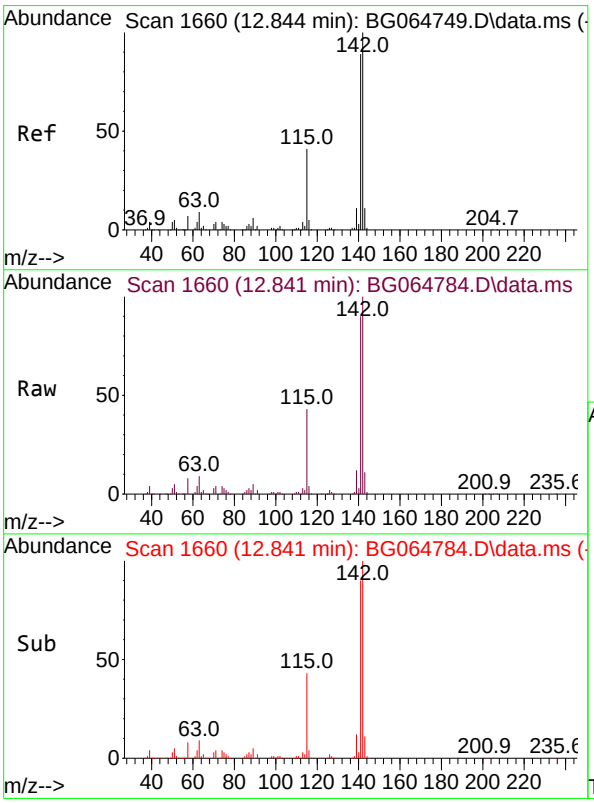
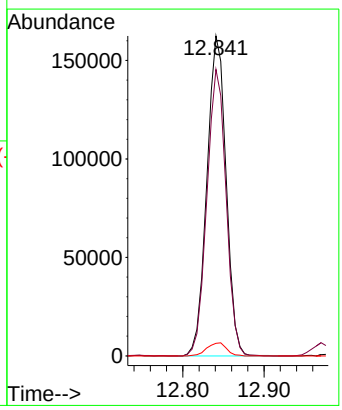
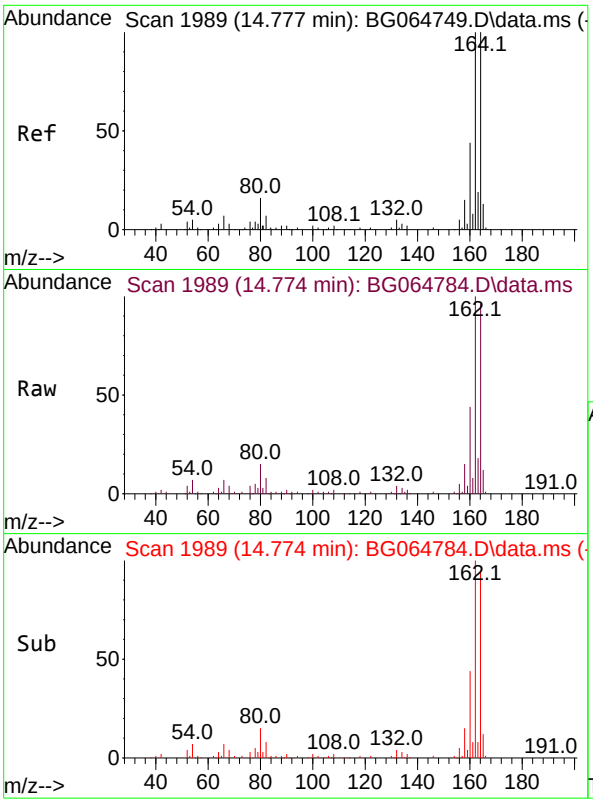


#38
1-Methylnaphthalene
Concen: 40.196 ng
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:142 Resp: 266934

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
116	3.9	3.7	5.5

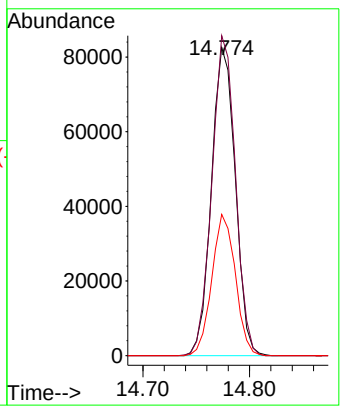




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:164 Resp: 12869

Ion	Ratio	Lower	Upper
164	100		
162	103.8	79.8	119.6
160	45.8	34.9	52.3



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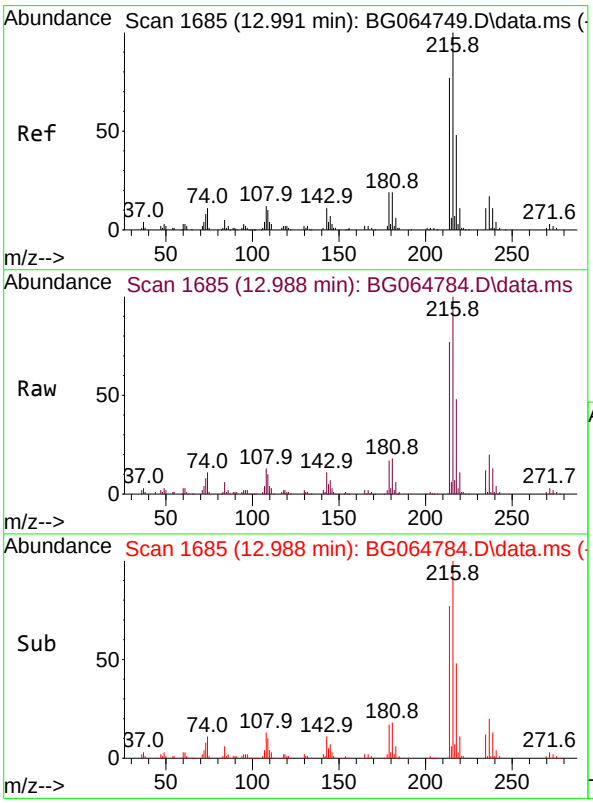
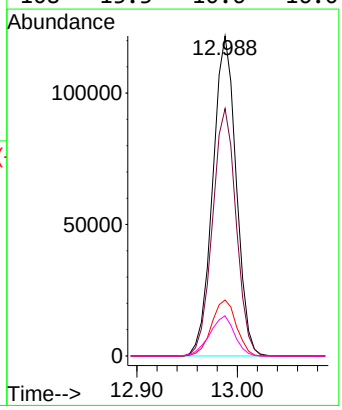
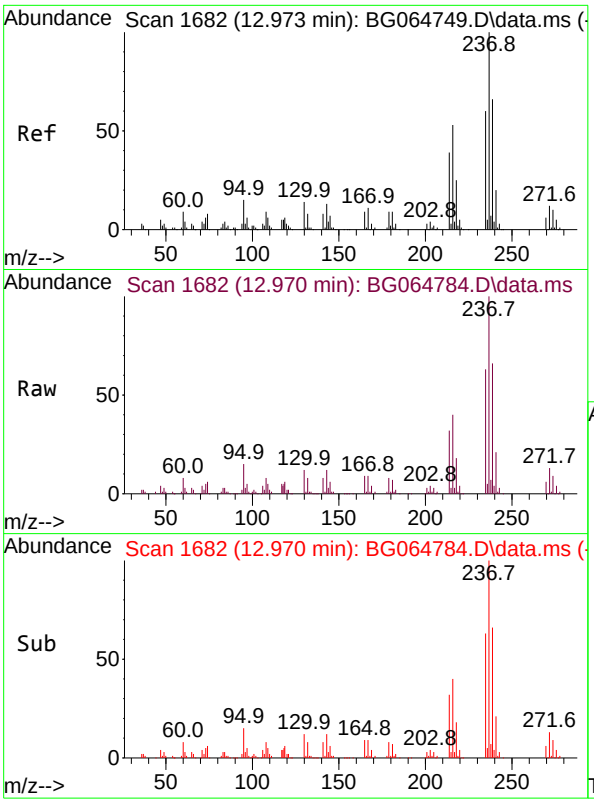


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.420 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:216 Resp: 197440

Ion	Ratio	Lower	Upper
216	100		
214	77.7	60.5	90.7
179	18.4	14.7	22.1
108	13.3	10.6	16.0

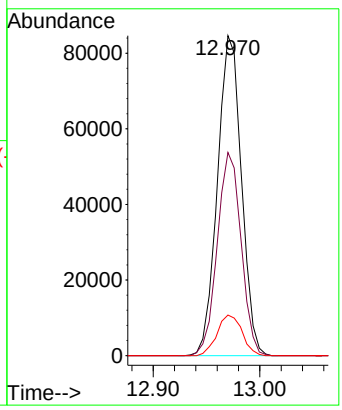




#41
Hexachlorocyclopentadiene
Concen: 36.889 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:237 Resp: 13243

Ion	Ratio	Lower	Upper
237	100		
235	63.5	40.2	80.2
272	12.7	0.0	31.9



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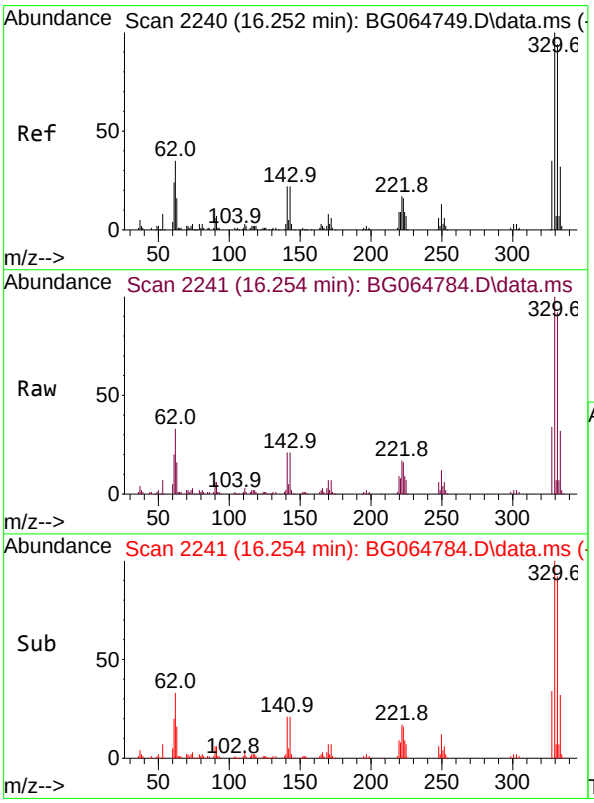
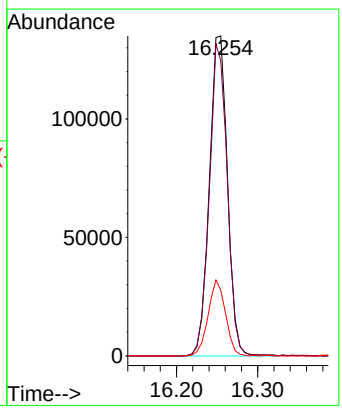
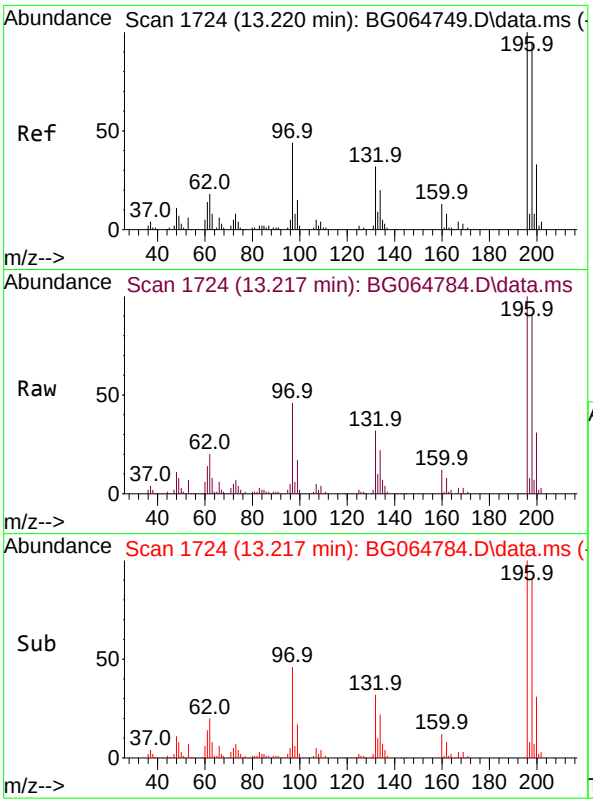


#42
2,4,6-Tribromophenol
Concen: 83.436 ng
RT: 16.254 min Scan# 2241
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:330 Resp: 209426

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	22.7	18.2	27.2

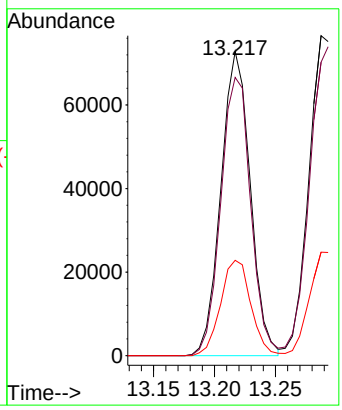




#43
2,4,6-Trichlorophenol
Concen: 41.436 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:196 Resp: 12180

Ion	Ratio	Lower	Upper
196	100		
198	91.5	75.3	112.9
200	31.3	26.2	39.2



Instrument :
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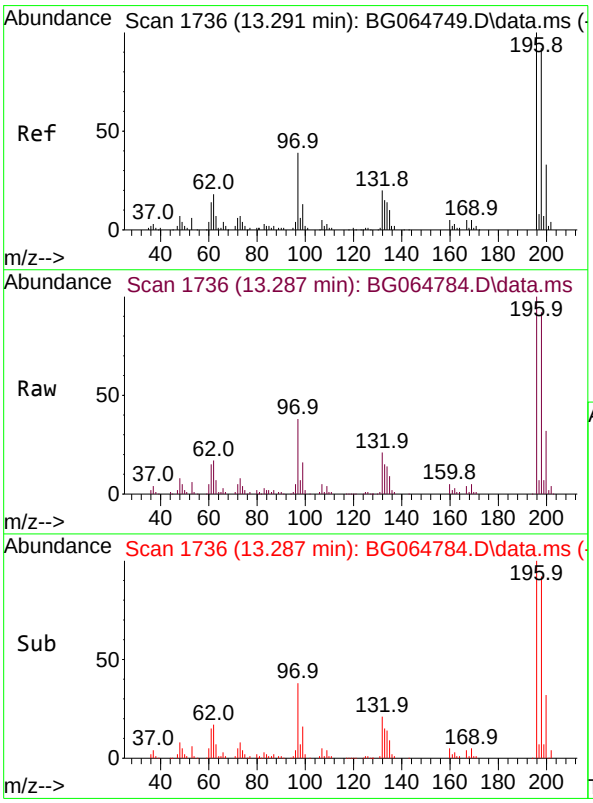
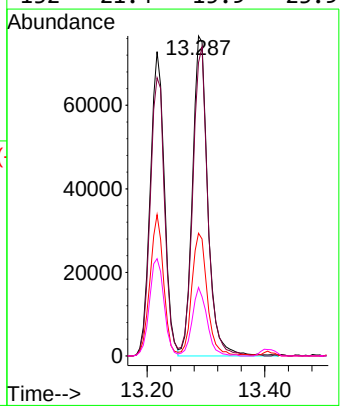
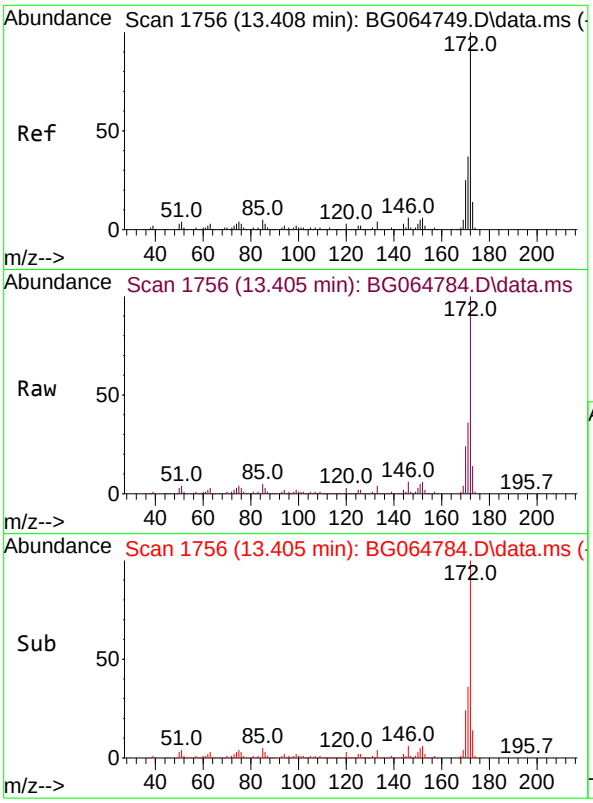


#44
2,4,5-Trichlorophenol
Concen: 41.859 ng
RT: 13.287 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:196 Resp: 138008

Ion	Ratio	Lower	Upper
196	100		
198	91.7	73.2	109.8
97	38.3	31.4	47.0
132	21.4	15.9	23.9

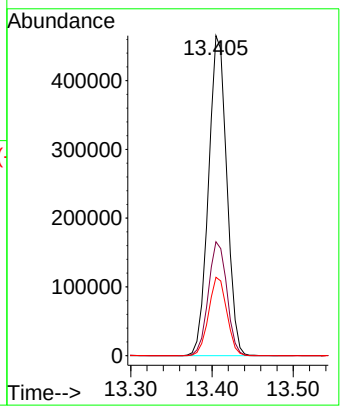




#45
2-Fluorobiphenyl
Concen: 78.776 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:172 Resp: 72658

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	24.5	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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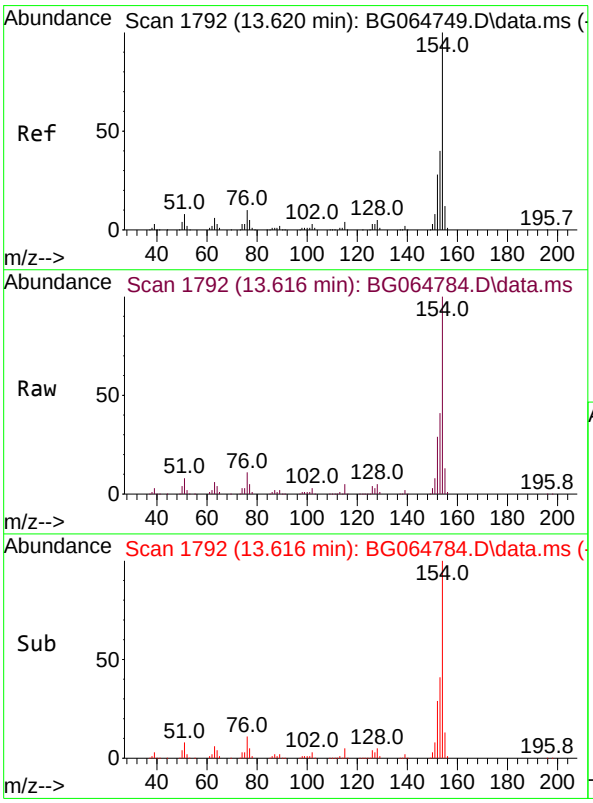
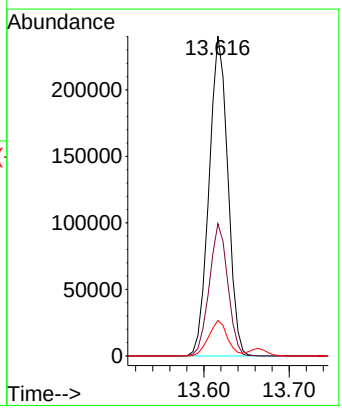
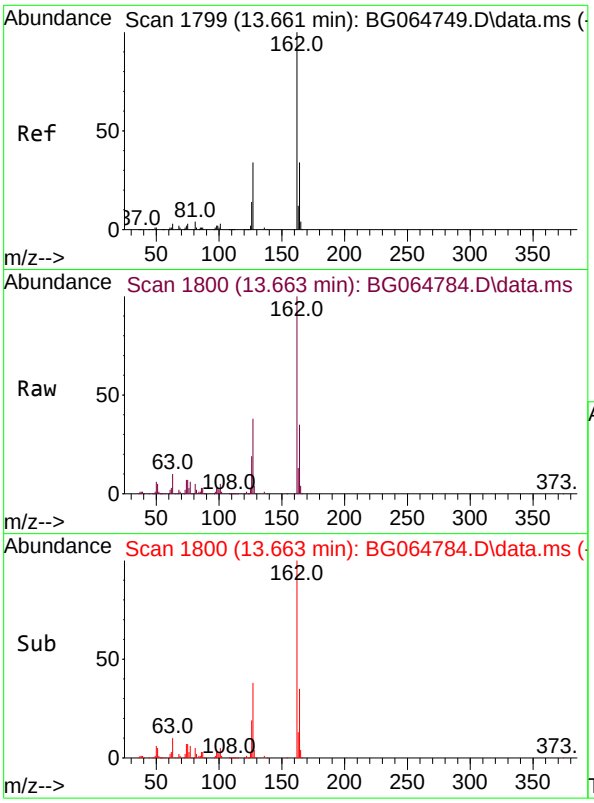


#46
1,1'-Biphenyl
Concen: 39.665 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:154 Resp: 366646

Ion	Ratio	Lower	Upper
154	100		
153	41.3	19.8	59.8
76	11.1	0.0	30.0

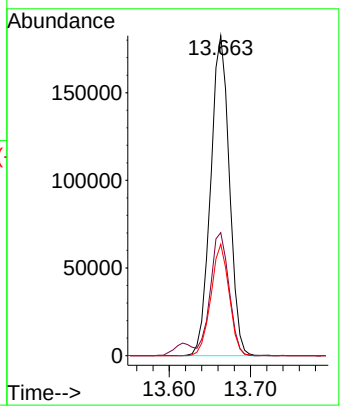




#47
2-Chloronaphthalene
Concen: 40.159 ng
RT: 13.663 min Scan# 18
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:162 Resp: 29245

Ion	Ratio	Lower	Upper
162	100		
127	38.4	30.3	45.5
164	34.8	26.8	40.2



Instrument :
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ClientSampleId :
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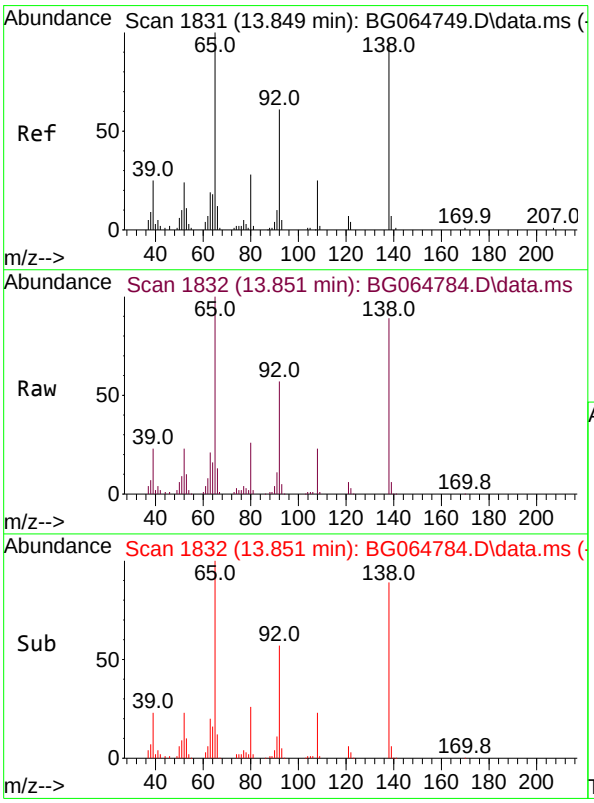
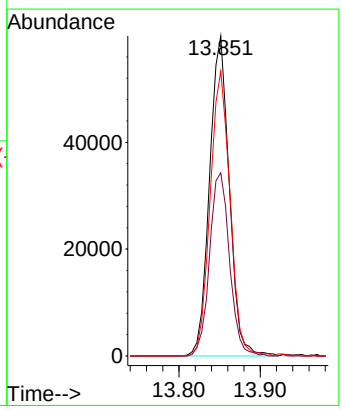
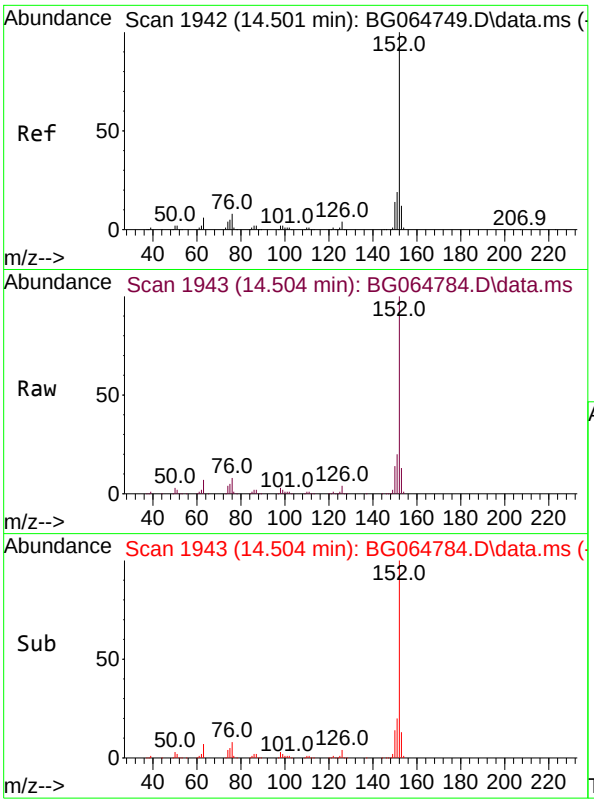


#48
2-Nitroaniline
Concen: 43.069 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 65 Resp: 100881

Ion	Ratio	Lower	Upper
65	100		
92	57.2	48.6	73.0
138	89.0	76.4	114.6

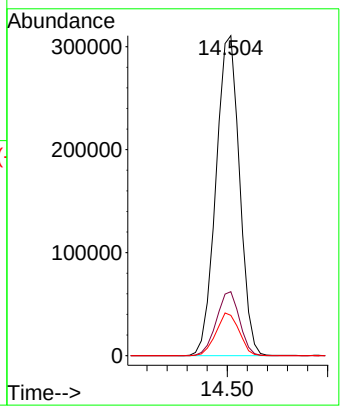




#49
Acenaphthylene
Concen: 40.741 ng
RT: 14.504 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:152 Resp: 50687

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.0	22.4
153	12.6	9.9	14.9



Instrument :
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ClientSampleId :
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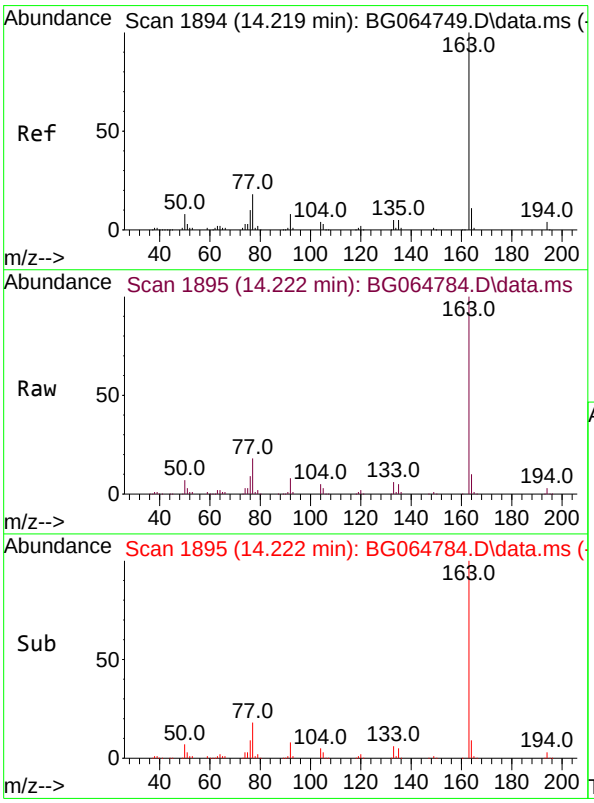
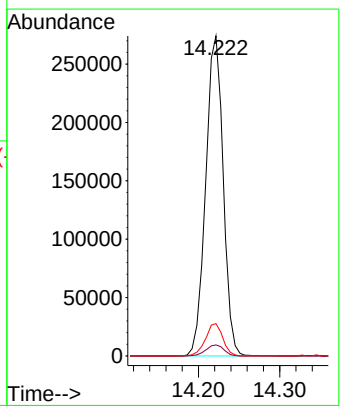
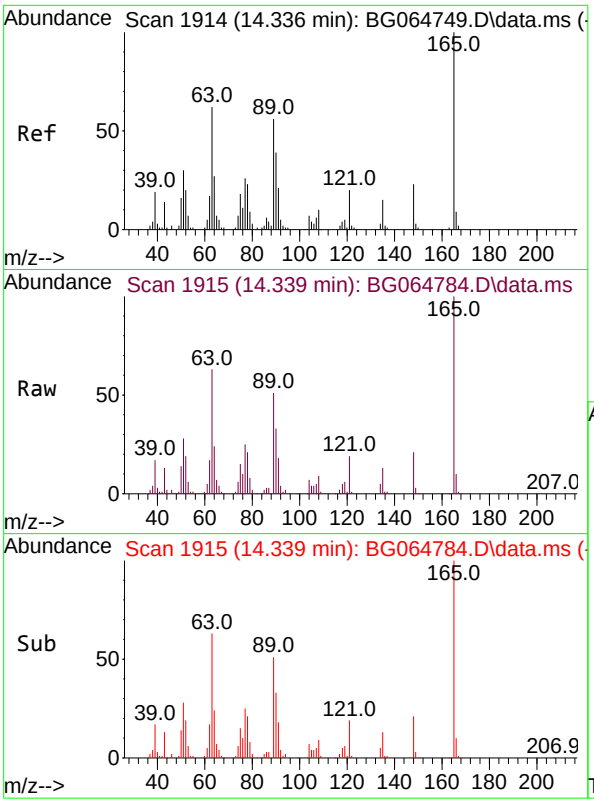


#50
Dimethylphthalate
Concen: 40.347 ng
RT: 14.222 min Scan# 1895
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:163 Resp: 410182

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	10.1	8.6	12.8

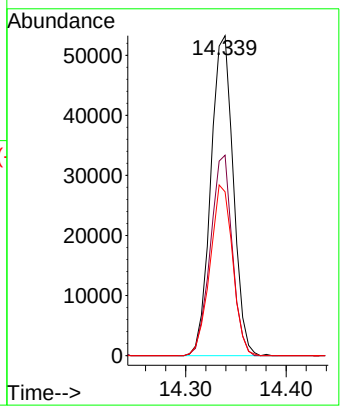




#51
2,6-Dinitrotoluene
Concen: 42.325 ng
RT: 14.339 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:165 Resp: 8279

Ion	Ratio	Lower	Upper
165	100		
63	62.6	49.8	74.8
89	51.2	45.0	67.4



Instrument :
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ClientSampleId :
SSTDCCC040

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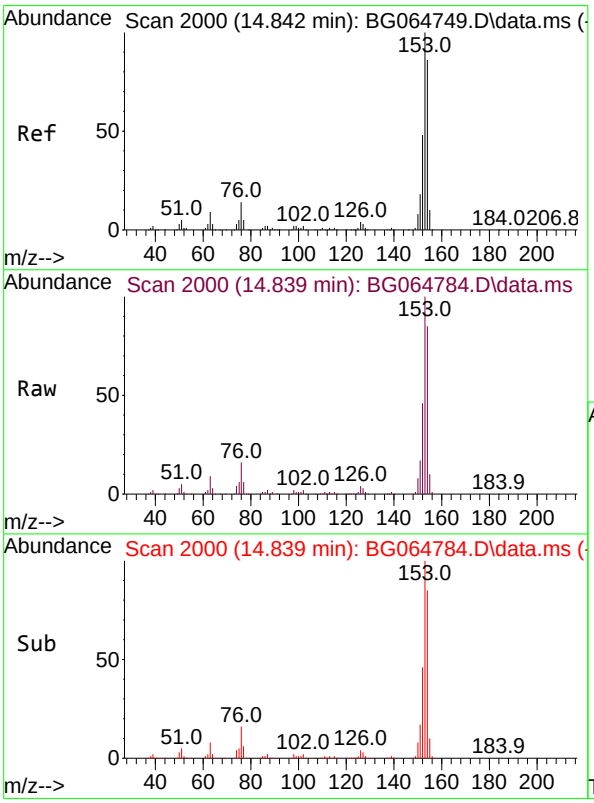
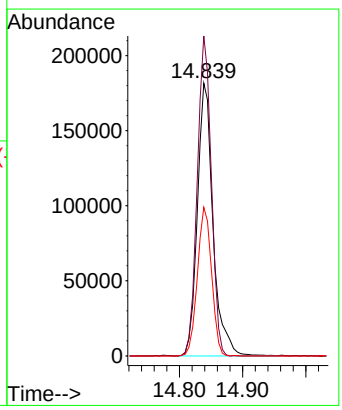
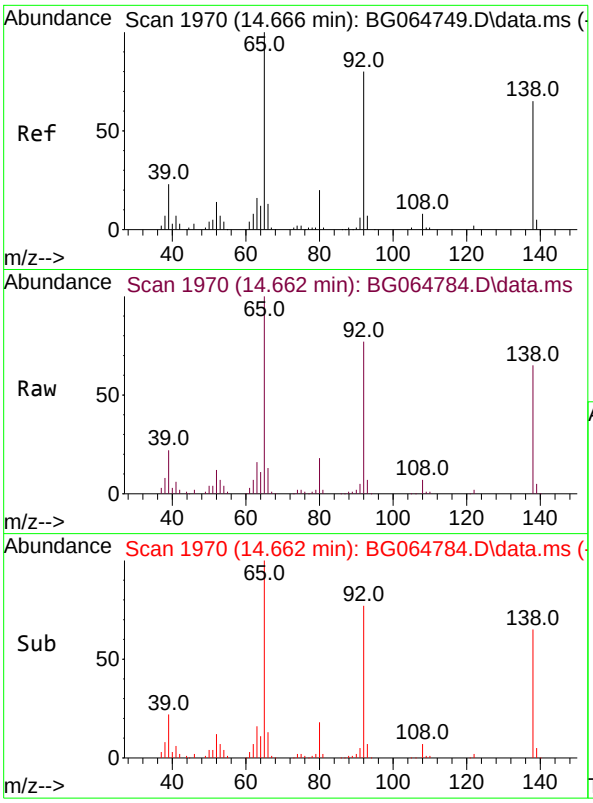


#52
Acenaphthene
Concen: 41.941 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:154 Resp: 312865

Ion	Ratio	Lower	Upper
154	100		
153	117.3	93.0	139.4
152	54.5	44.4	66.6

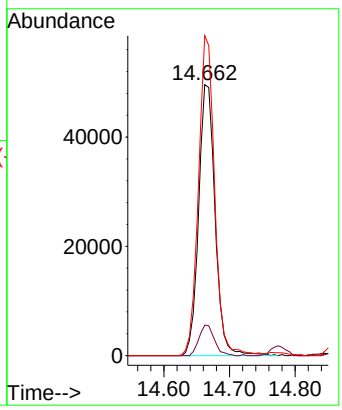




#53
3-Nitroaniline
Concen: 44.587 ng
RT: 14.662 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:138 Resp: 8608

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.5	14.3
92	118.1	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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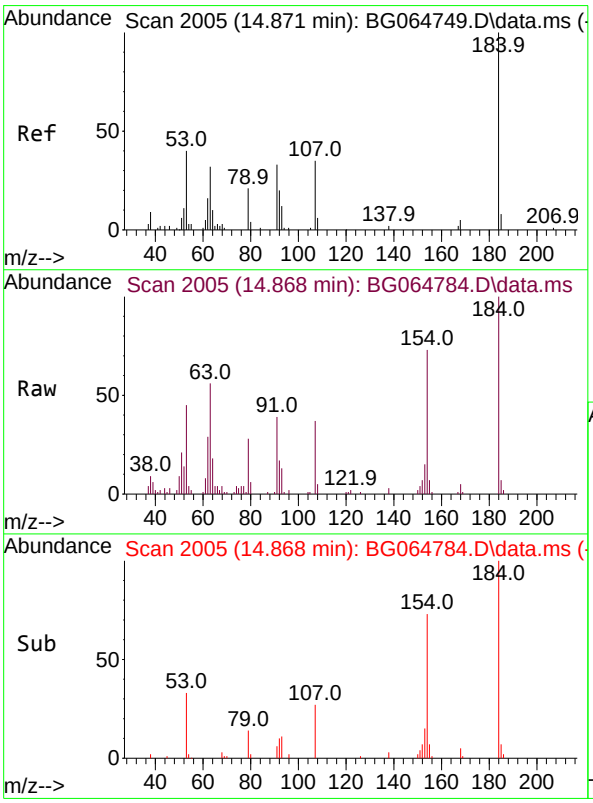
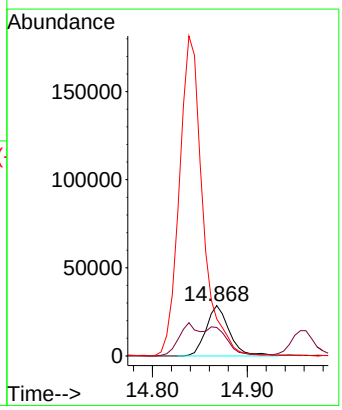
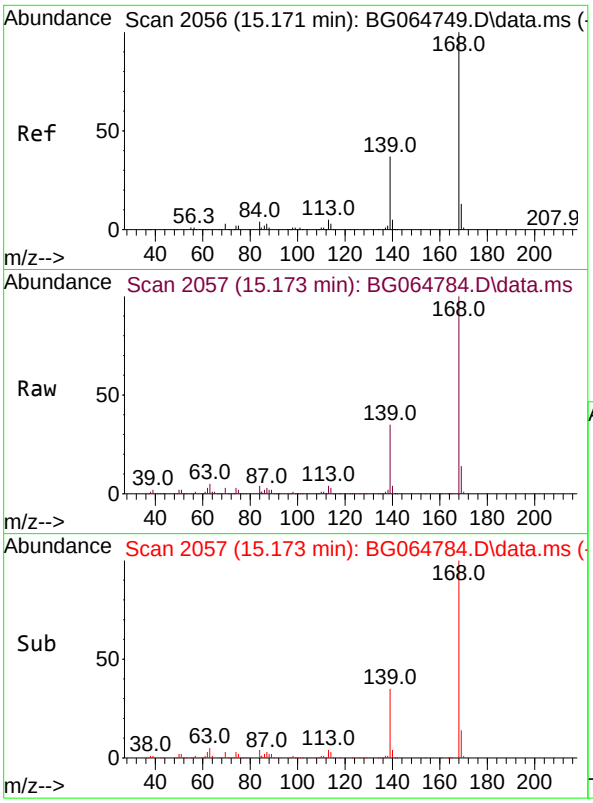


#54
2,4-Dinitrophenol
Concen: 40.864 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:184 Resp: 48456

Ion	Ratio	Lower	Upper
184	100		
63	56.5	45.8	68.6
154	73.4	52.6	78.8

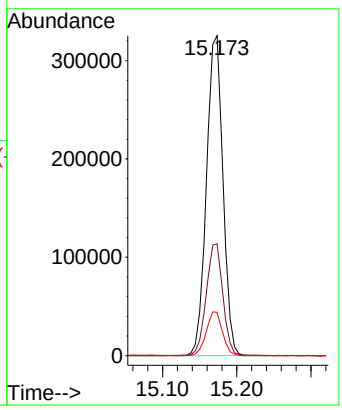




#55
Dibenzofuran
Concen: 40.691 ng
RT: 15.173 min Scan# 20
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:168 Resp: 50182

Ion	Ratio	Lower	Upper
168	100		
139	34.9	29.5	44.3
169	13.5	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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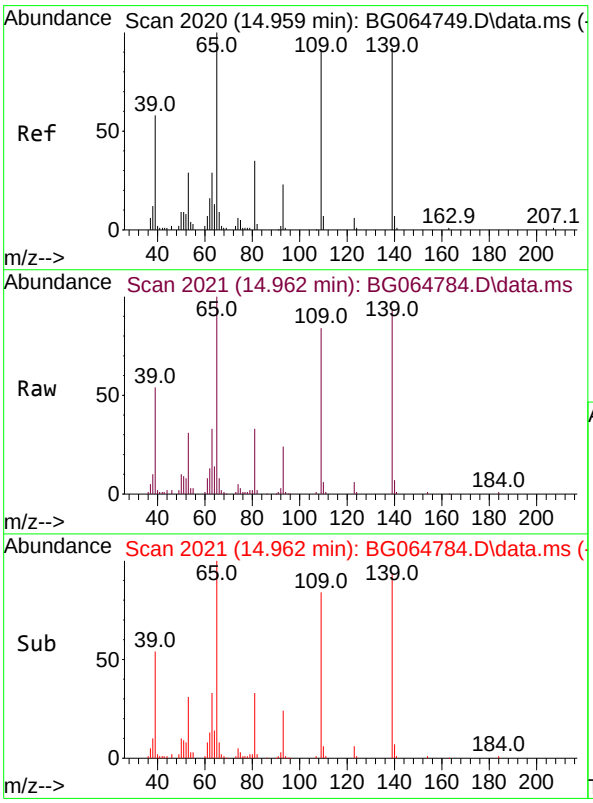
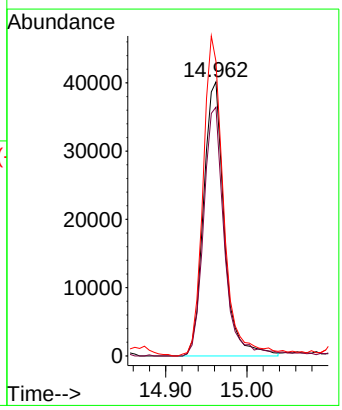
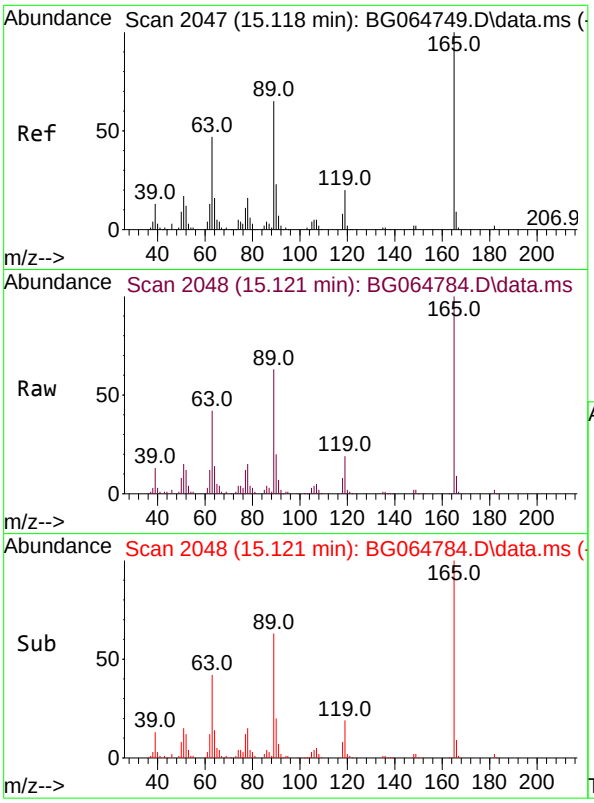


#56
4-Nitrophenol
Concen: 46.239 ng
RT: 14.962 min Scan# 2021
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:139 Resp: 70833

Ion	Ratio	Lower	Upper
139	100		
109	90.7	79.7	119.7
65	107.5	89.9	129.9

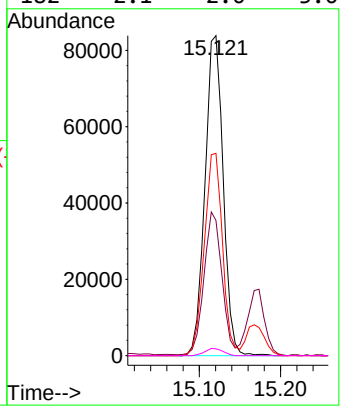




#57
2,4-Dinitrotoluene
Concen: 44.628 ng
RT: 15.121 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:165 Resp: 13088

Ion	Ratio	Lower	Upper
165	100		
63	42.2	37.8	56.6
89	63.2	51.6	77.4
182	2.1	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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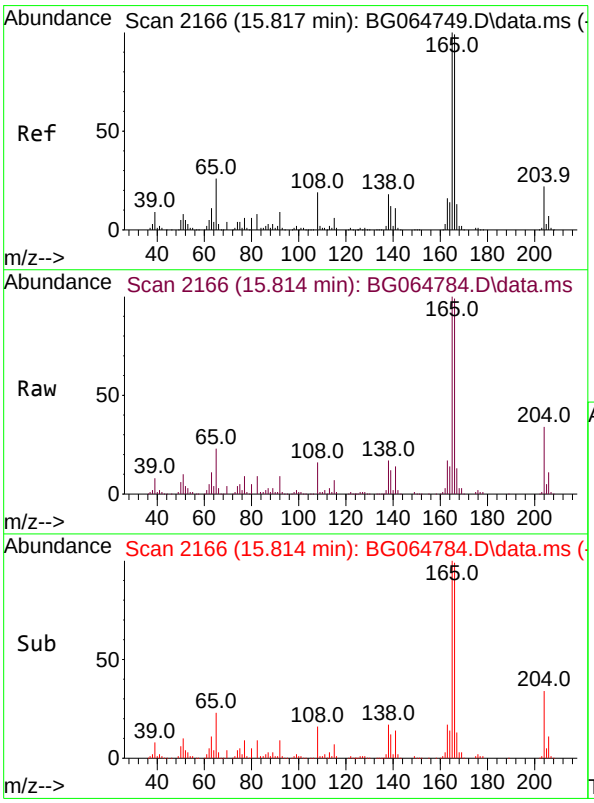
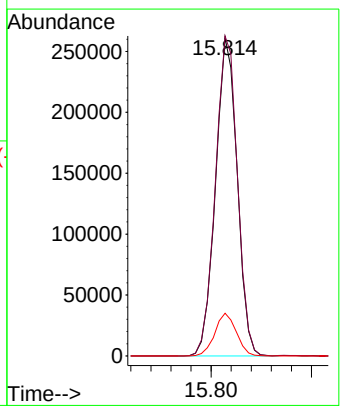
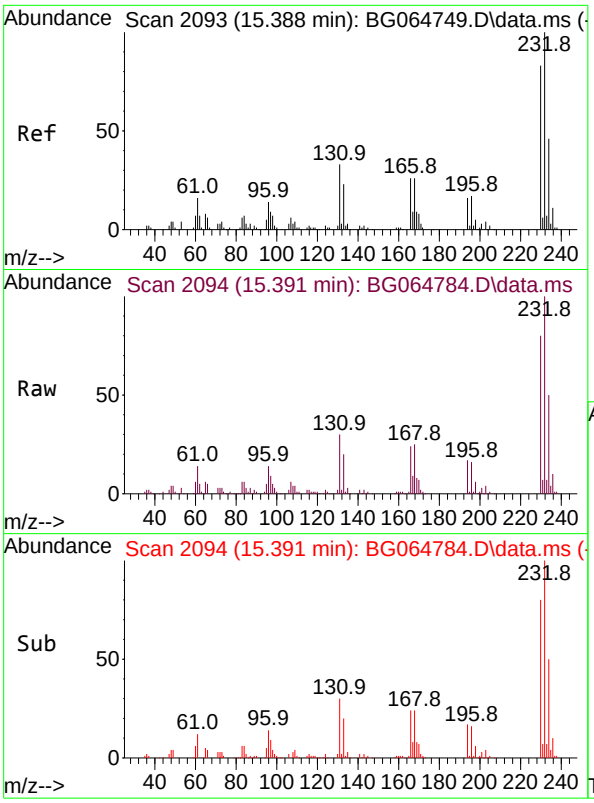


#58
Fluorene
Concen: 40.463 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:166 Resp: 391372

Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.5	120.7
167	13.4	10.3	15.5

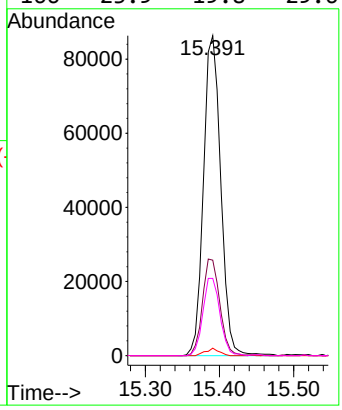




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.954 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:232 Resp: 13972

Ion	Ratio	Lower	Upper
232	100		
131	30.2	26.0	39.0
130	1.8	1.6	2.4
166	23.9	19.8	29.6



Instrument :
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ClientSampleId :
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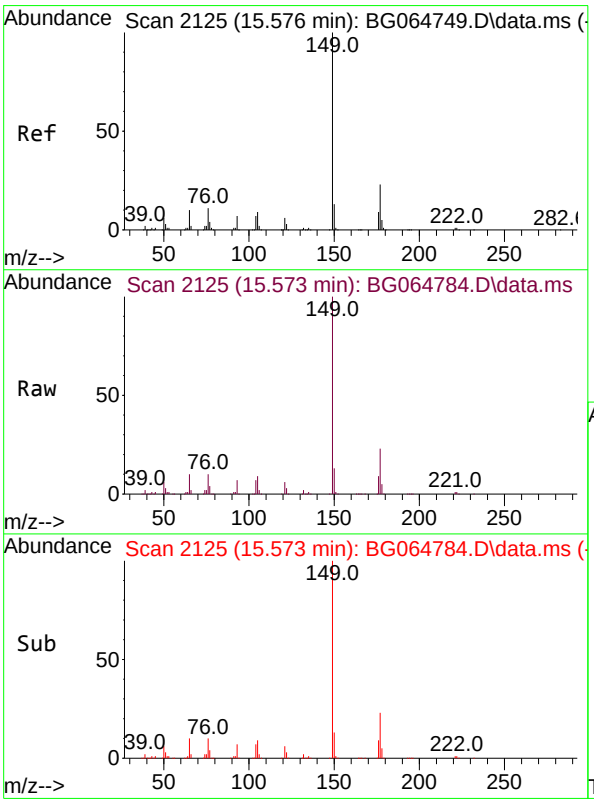
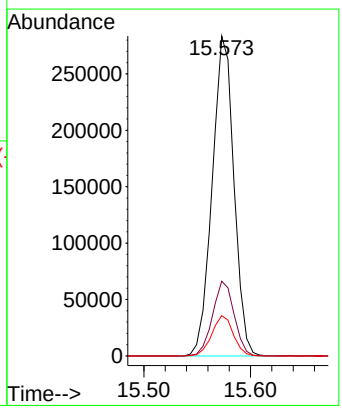
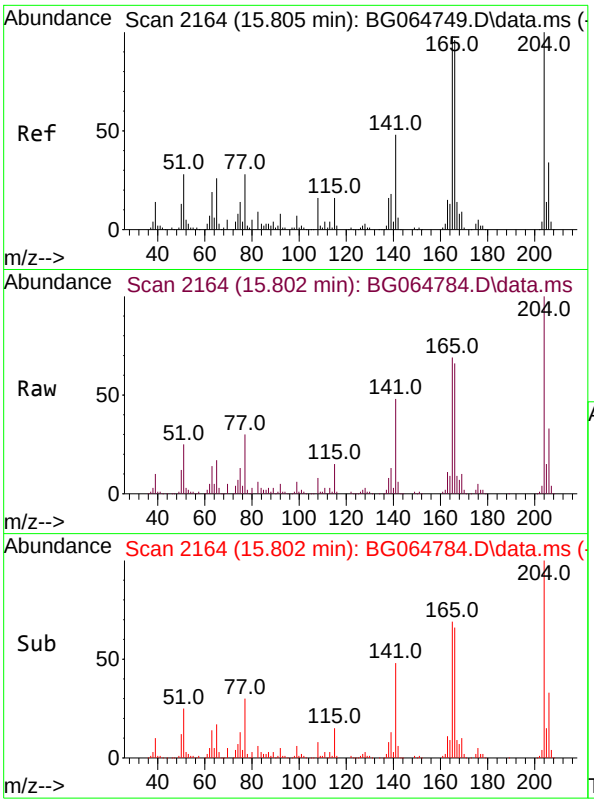


#60
Diethylphthalate
Concen: 41.318 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:149 Resp: 402399

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.4	27.6
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.354 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 23424

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.9	40.3
141	48.5	38.1	57.1

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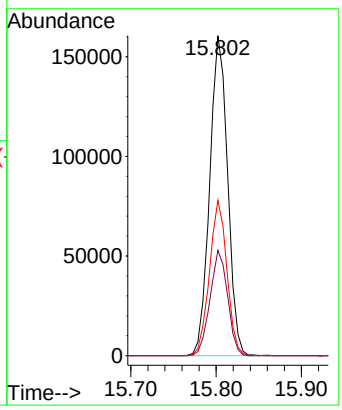
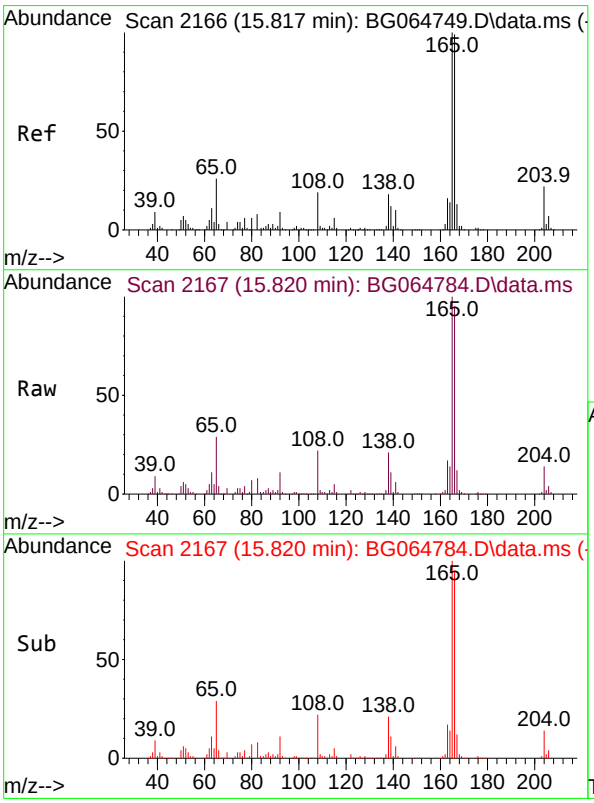
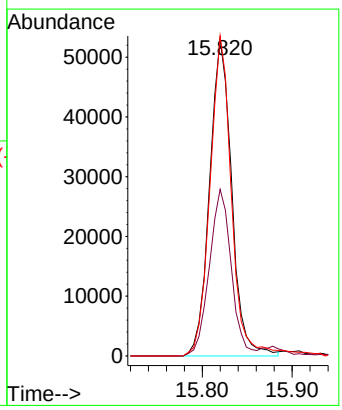


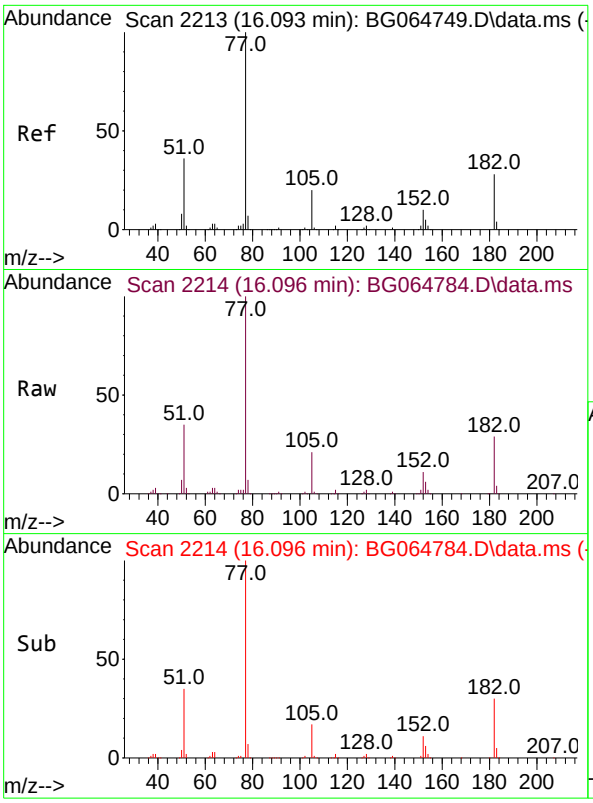


#62
4-Nitroaniline
Concen: 45.299 ng
RT: 15.820 min Scan# 2167
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:138 Resp: 90609

Ion	Ratio	Lower	Upper
138	100		
92	52.4	30.7	70.7
108	100.8	85.7	125.7

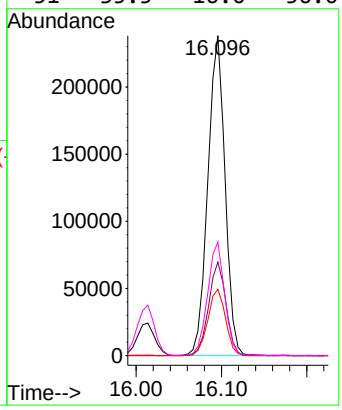




#63
Azobenzene
Concen: 41.093 ng
RT: 16.096 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion: 77 Resp: 33286

Ion	Ratio	Lower	Upper
77	100		
182	29.2	8.1	48.1
105	20.7	0.1	40.1
51	35.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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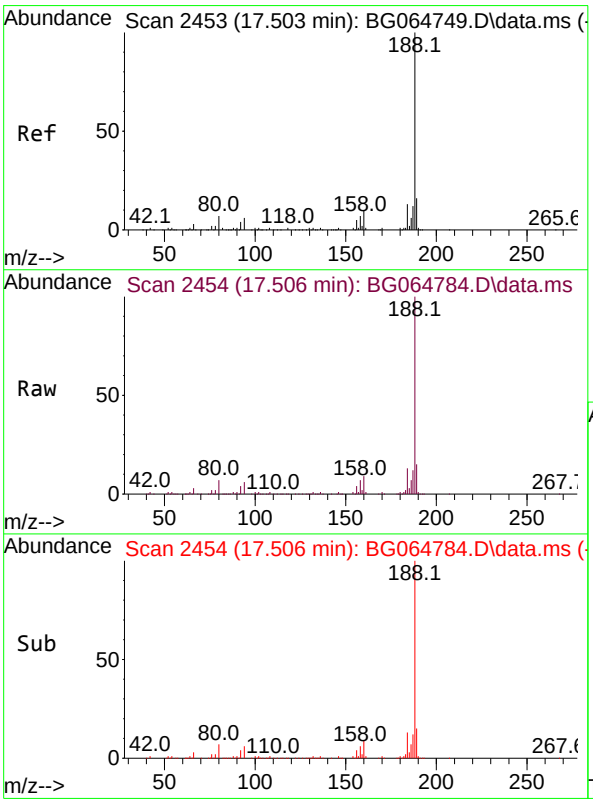
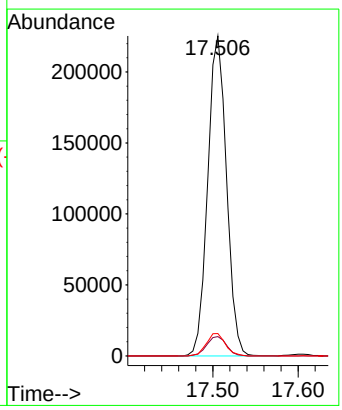
Supervised By :Sohil Jodhani 11/18/2025

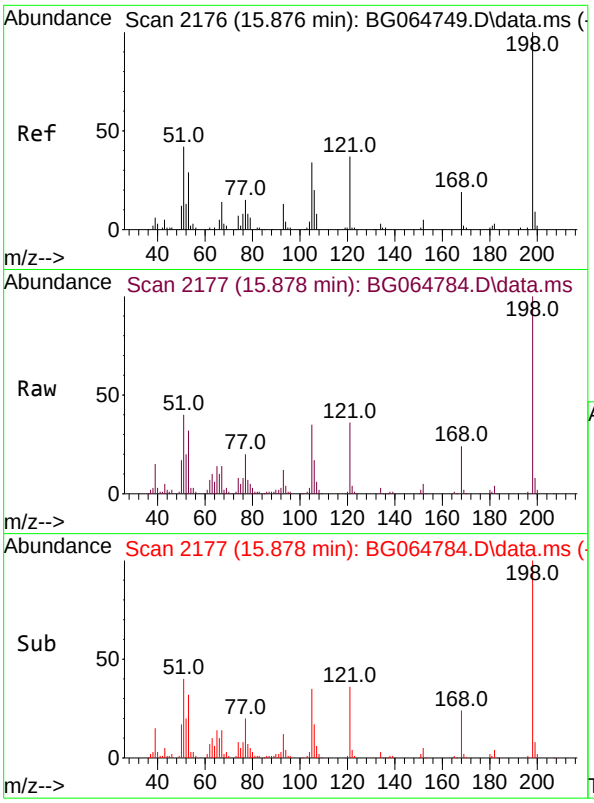


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2454
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:188 Resp: 344592

Ion	Ratio	Lower	Upper
188	100		
94	6.0	4.7	7.1
80	7.0	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 42.929 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 8213

Ion	Ratio	Lower	Upper
198	100		
51	40.4	25.2	65.2
105	34.6	14.2	54.2

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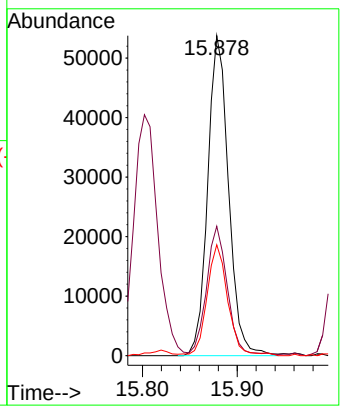
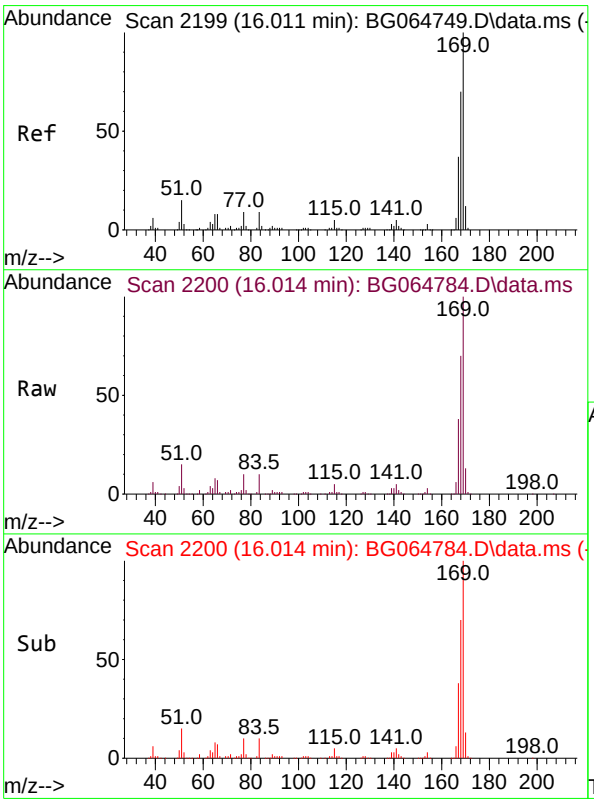
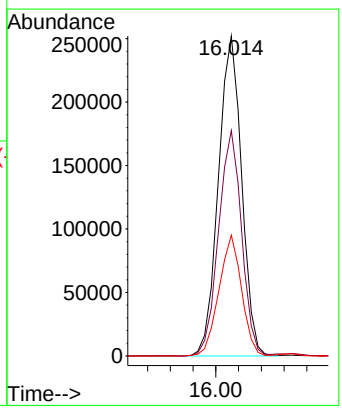


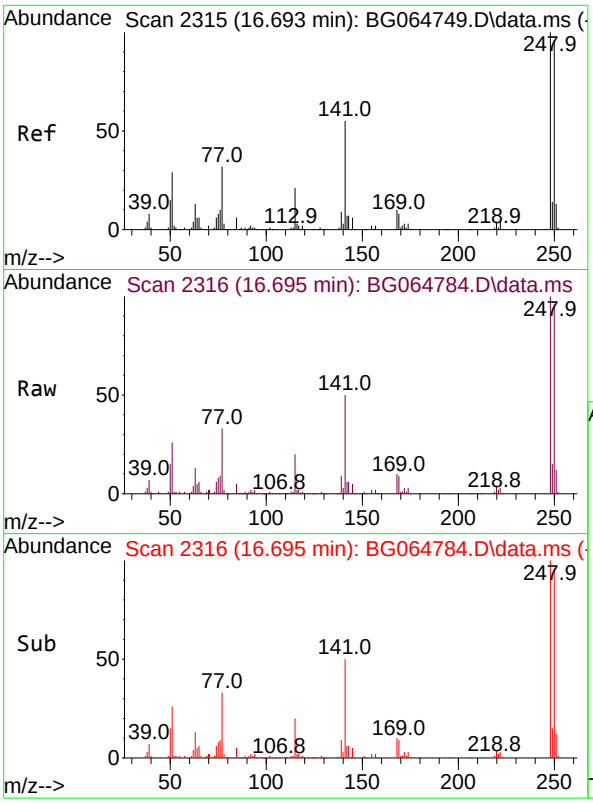


#66
n-Nitrosodiphenylamine
Concen: 39.598 ng
RT: 16.014 min Scan# 2200
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:169 Resp: 357416

Ion	Ratio	Lower	Upper
169	100		
168	70.4	55.9	83.9
167	37.7	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 38.634 ng
RT: 16.695 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 17483

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.0	115.6
141	50.5	43.7	65.5

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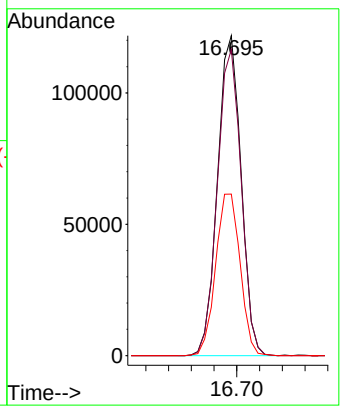
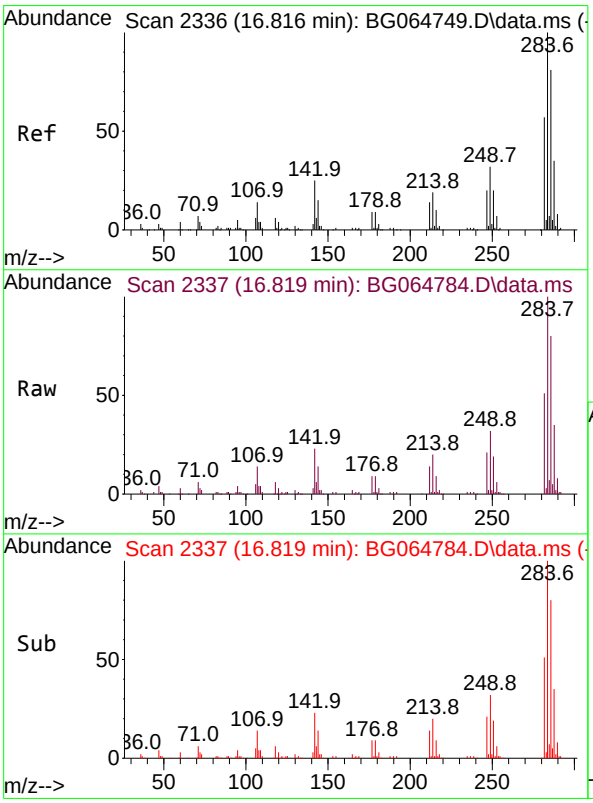
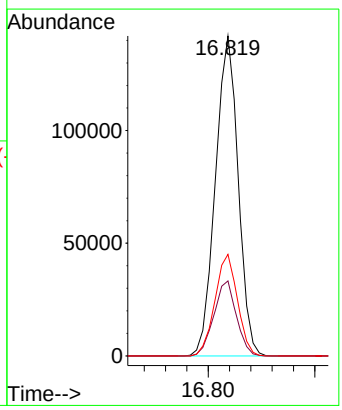


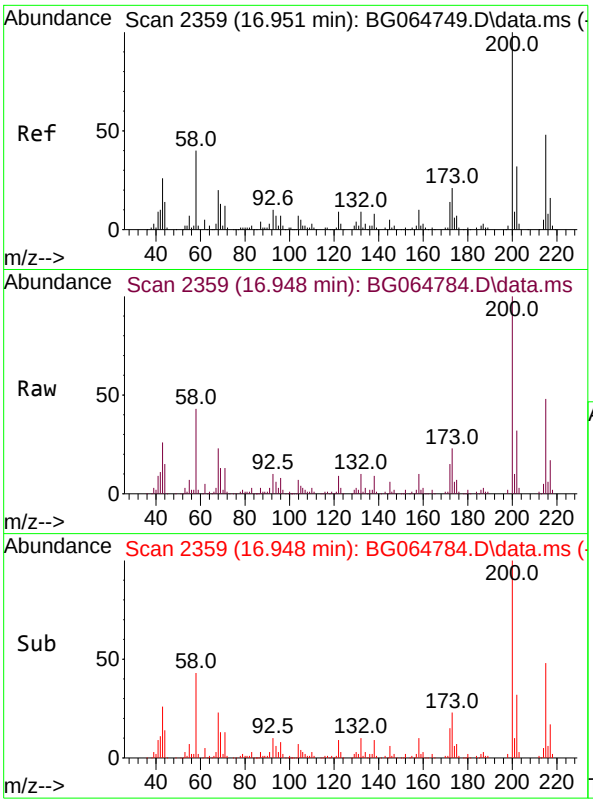


#68
Hexachlorobenzene
Concen: 38.403 ng
RT: 16.819 min Scan# 2337
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:284 Resp: 210549

Ion	Ratio	Lower	Upper
284	100		
142	23.4	19.7	29.5
249	34.0	28.1	42.1





#69
Atrazine
Concen: 39.208 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 17062

Ion	Ratio	Lower	Upper
200	100		
173	22.7	0.9	40.9
215	47.7	27.5	67.5

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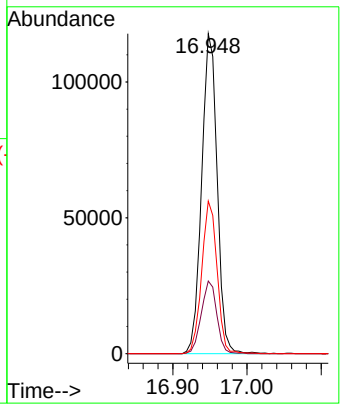
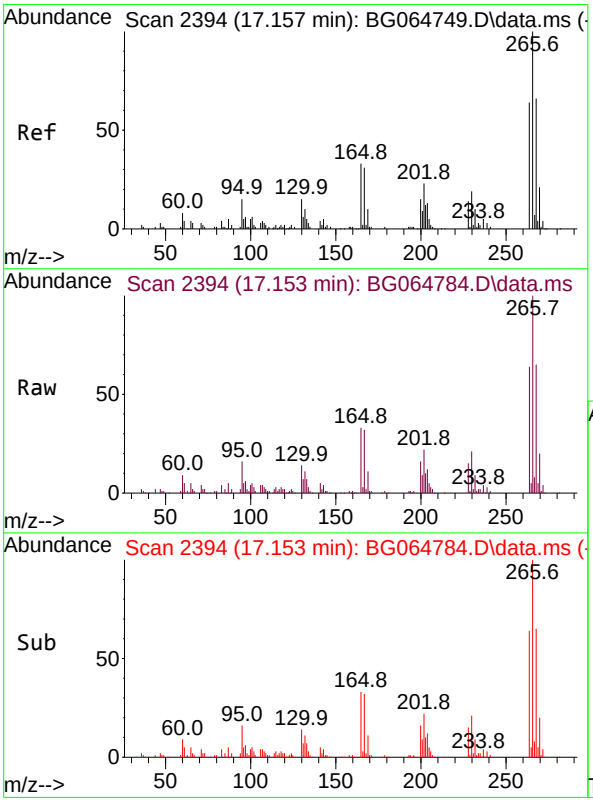
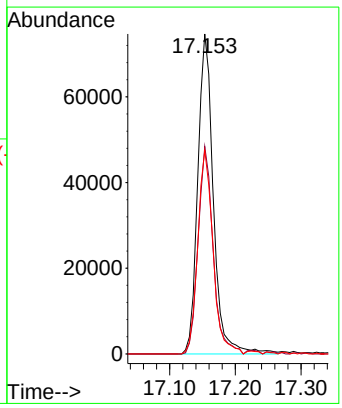


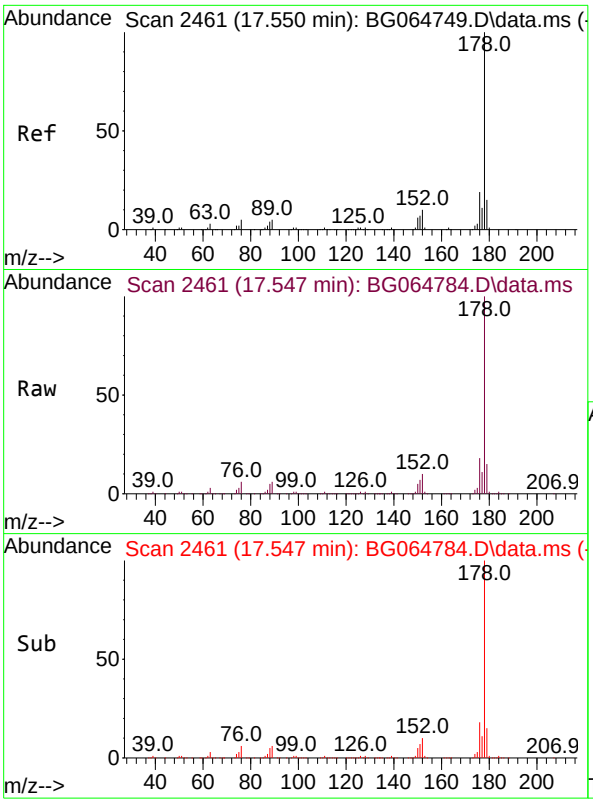


#70
Pentachlorophenol
Concen: 41.073 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:266 Resp: 122753

Ion	Ratio	Lower	Upper
266	100		
268	64.8	56.1	84.1
264	63.6	51.2	76.8

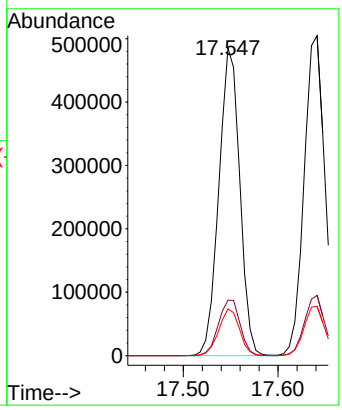




#71
Phenanthrene
Concen: 39.446 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:178 Resp: 74370

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.2	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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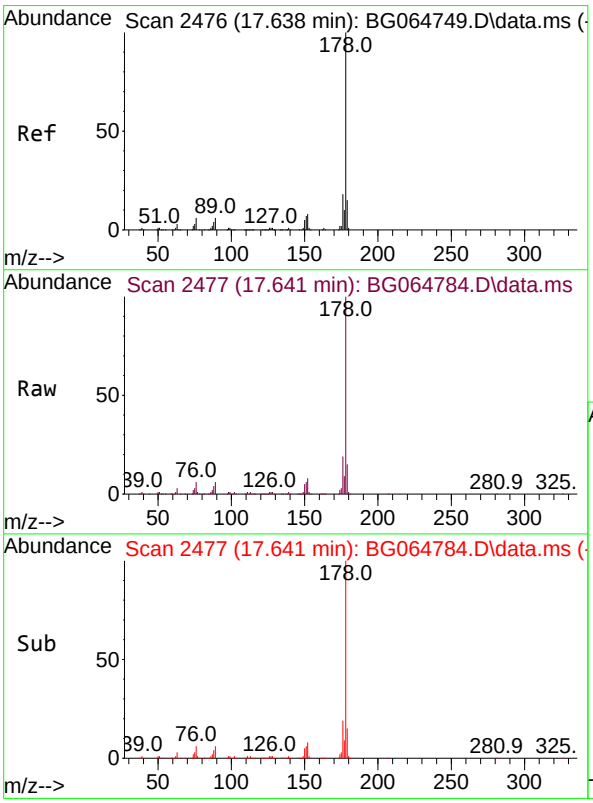
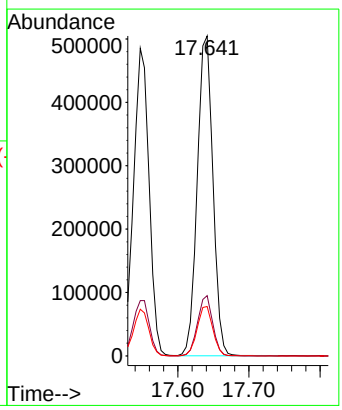
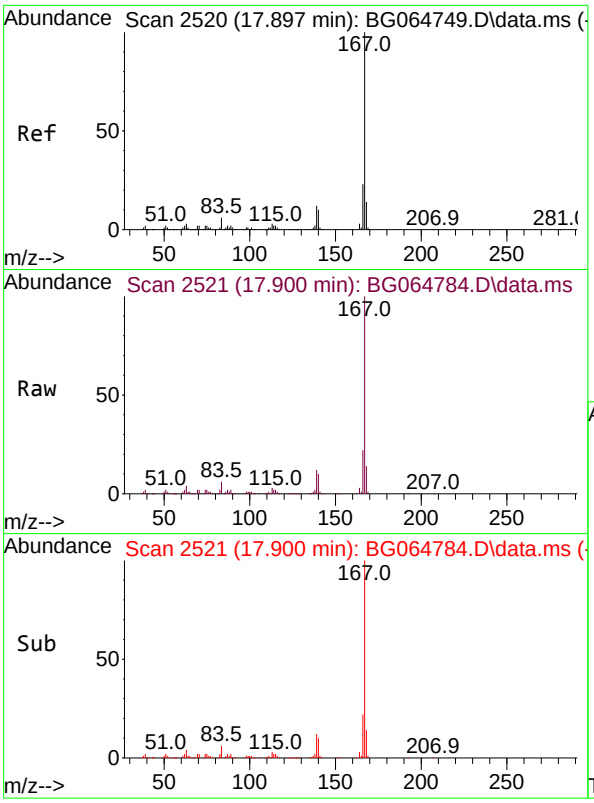


#72
Anthracene
Concen: 39.948 ng
RT: 17.641 min Scan# 2477
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:178 Resp: 767995

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	15.4	12.2	18.4

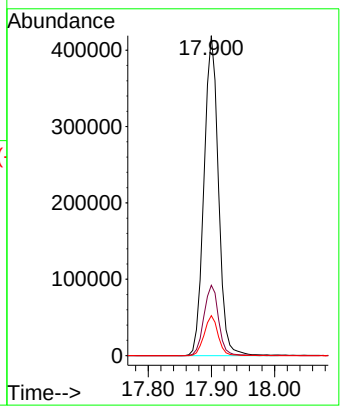




#73
Carbazole
Concen: 40.223 ng
RT: 17.900 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:167 Resp: 66476

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.5	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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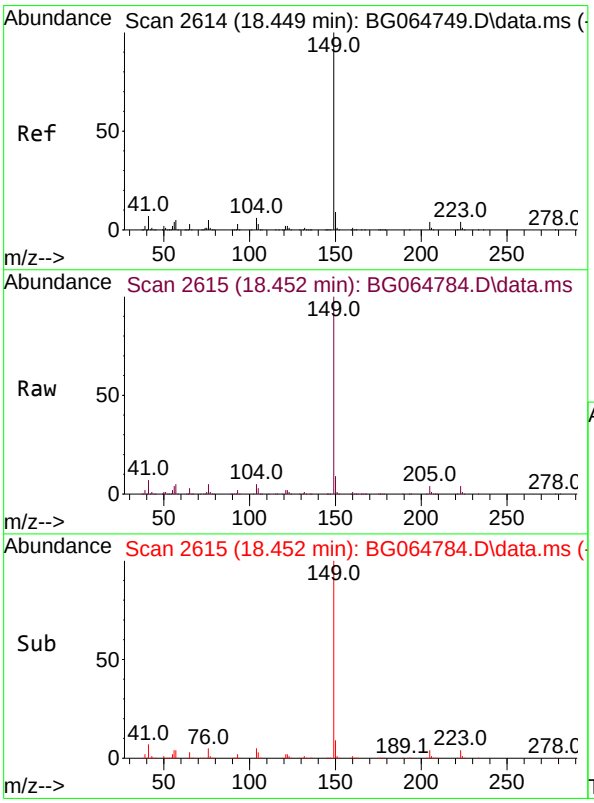
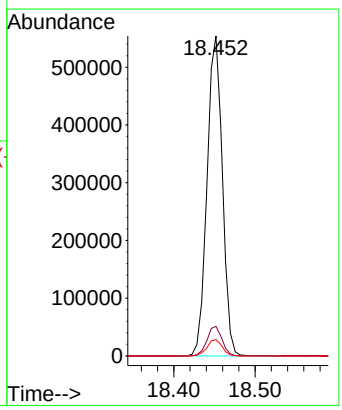
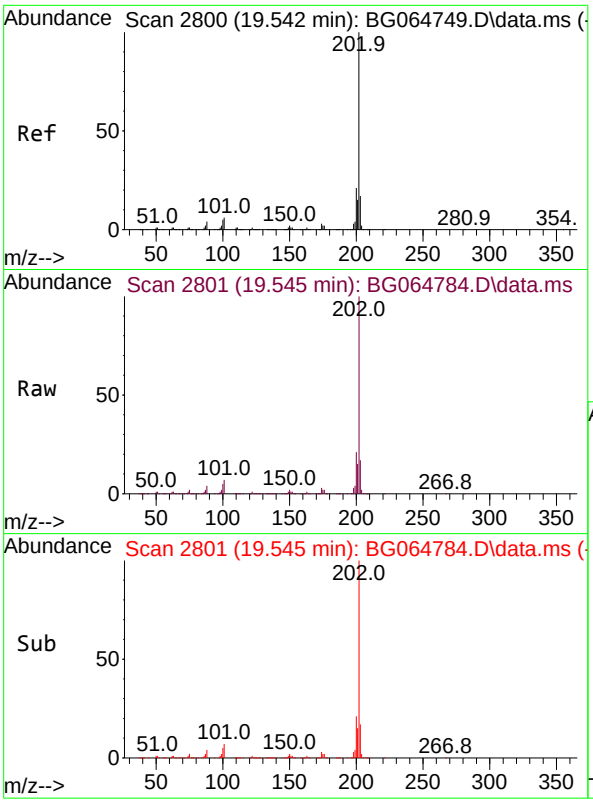


#74
Di-n-butylphthalate
Concen: 39.401 ng
RT: 18.452 min Scan# 2615
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:149 Resp: 726489

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.1	4.4	6.6





#75
Fluoranthene
Concen: 39.231 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 101142

Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	26.4
203	16.8	0.0	37.5

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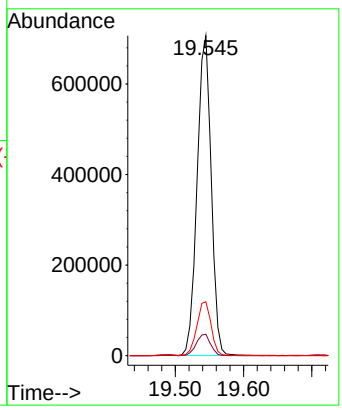
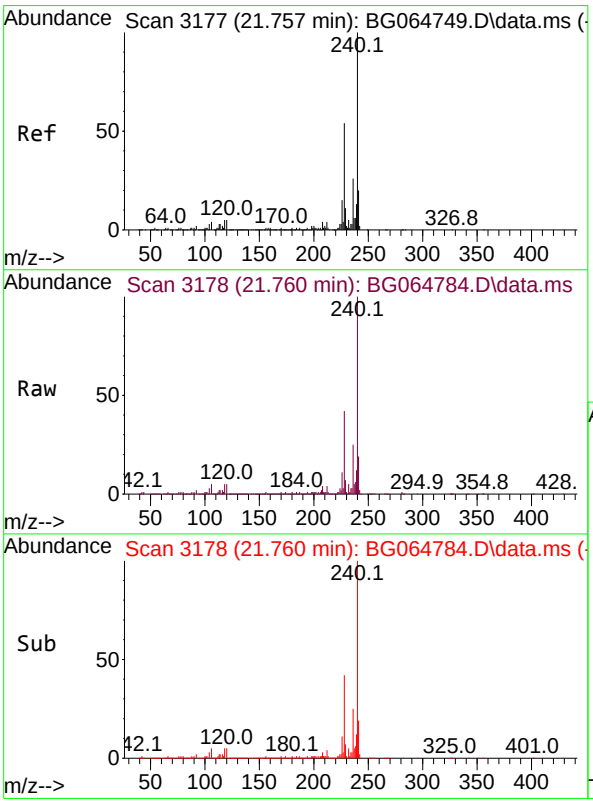
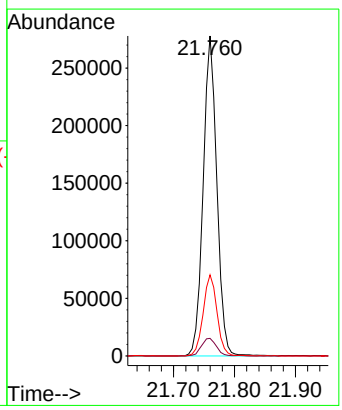


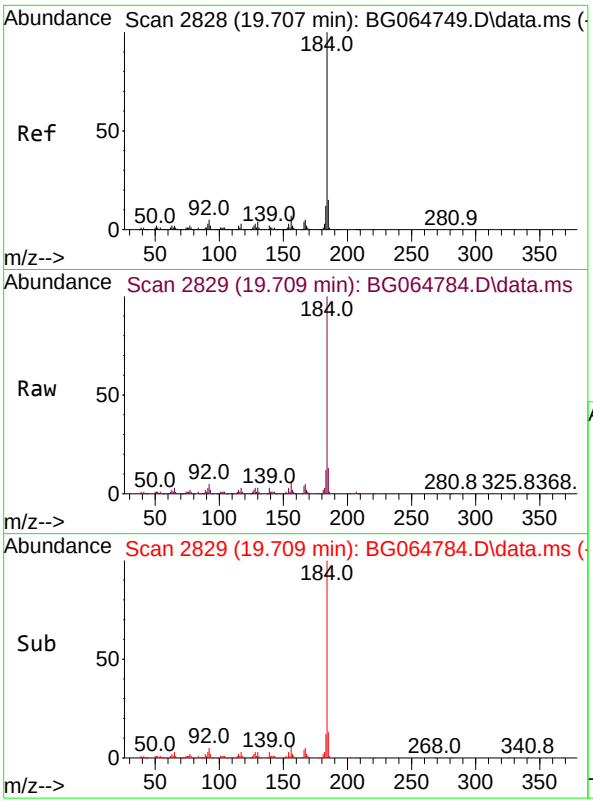


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.760 min Scan# 3178
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:240 Resp: 431754

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.2	6.4
236	25.3	20.8	31.2





#77
Benzidine
Concen: 34.346 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:184 Resp: 444104

Ion	Ratio	Lower	Upper
184	100		
185	13.3	11.8	17.6
183	12.3	9.8	14.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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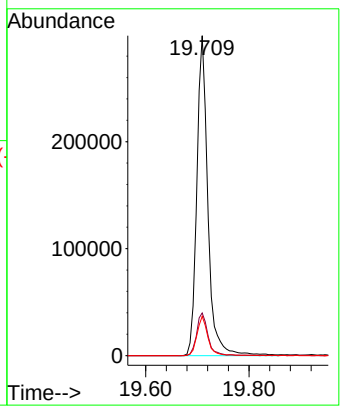
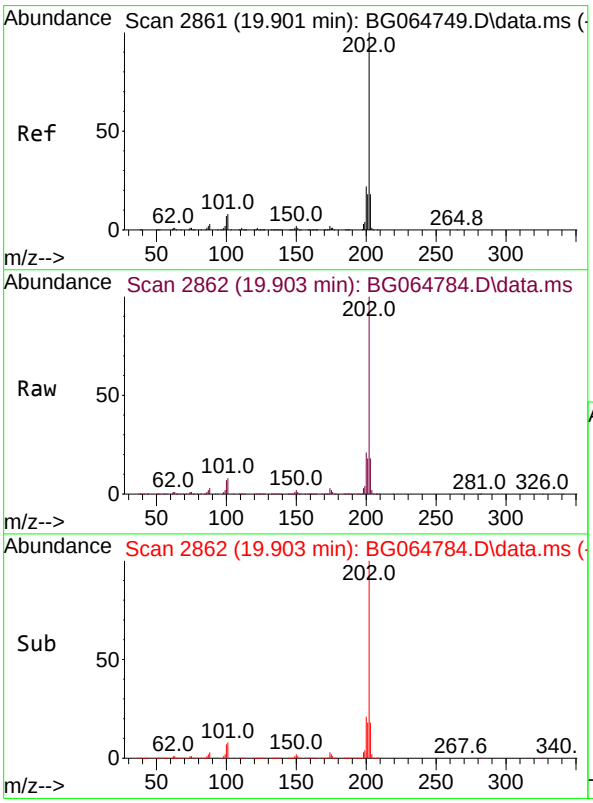
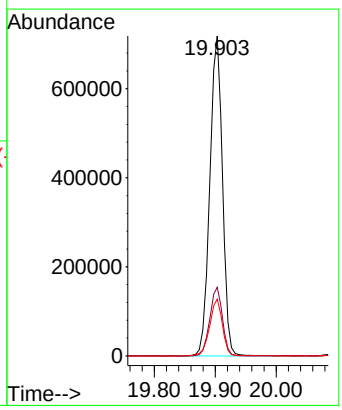


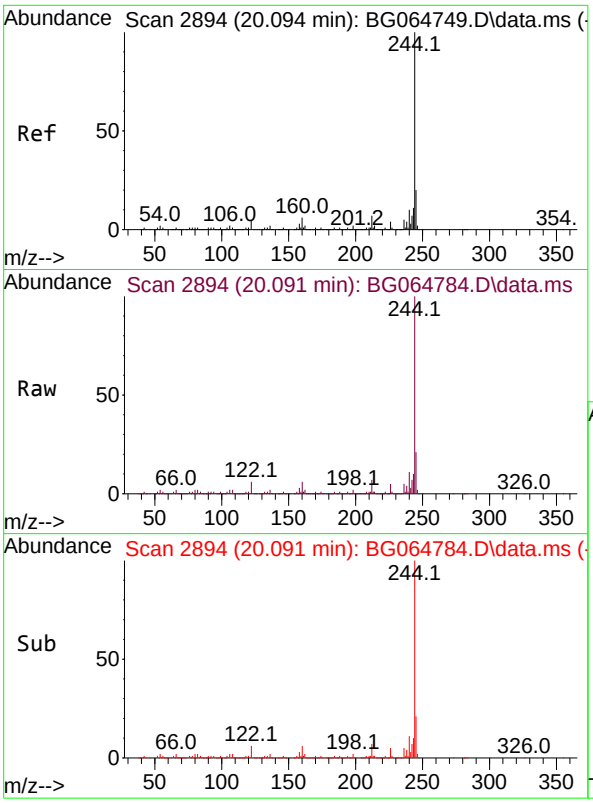


#78
Pyrene
Concen: 42.796 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:202 Resp: 1035580

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.9	26.9
203	17.7	14.0	21.0





#79
Terphenyl-d14
Concen: 83.046 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:244 Resp: 182276

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	6.2	4.3	6.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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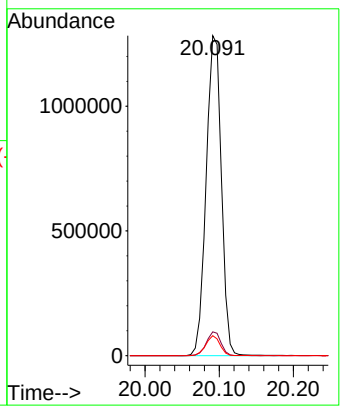
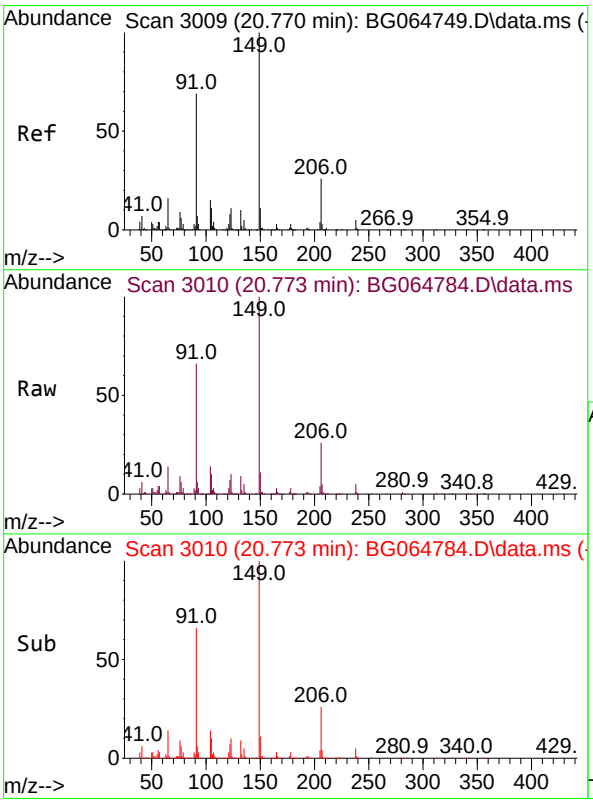
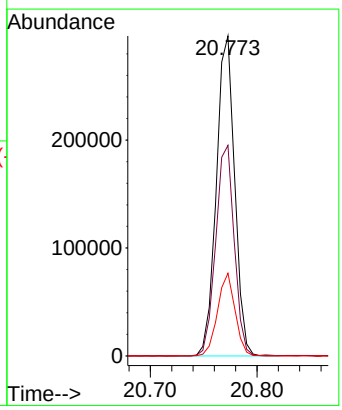


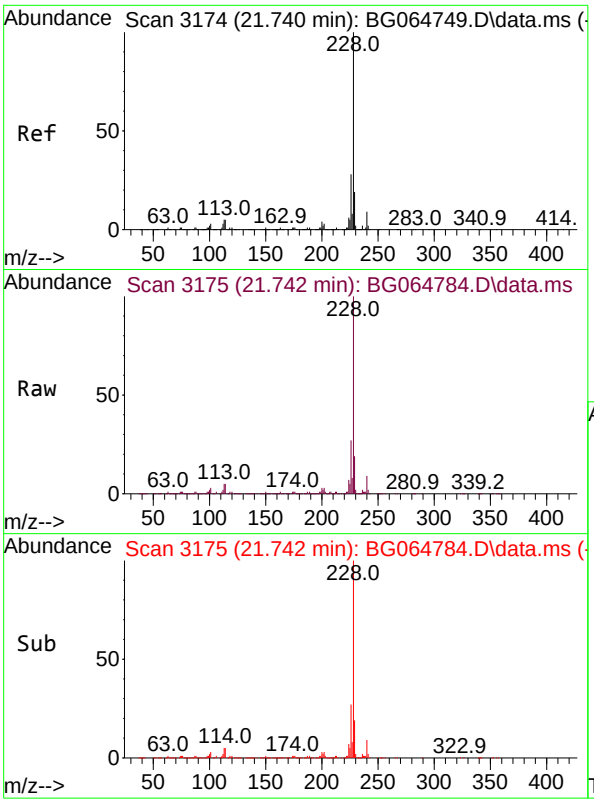


#80
Butylbenzylphthalate
Concen: 41.802 ng
RT: 20.773 min Scan# 3010
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:149 Resp: 355789

Ion	Ratio	Lower	Upper
149	100		
91	65.8	54.9	82.3
206	25.8	21.2	31.8





#81
Benzo(a)anthracene
Concen: 39.752 ng
RT: 21.742 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

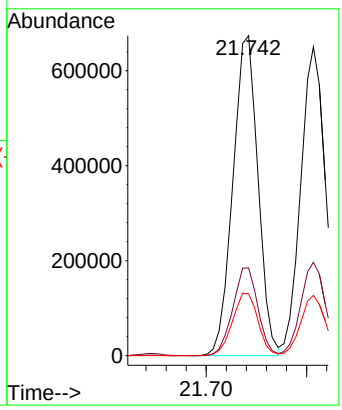
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

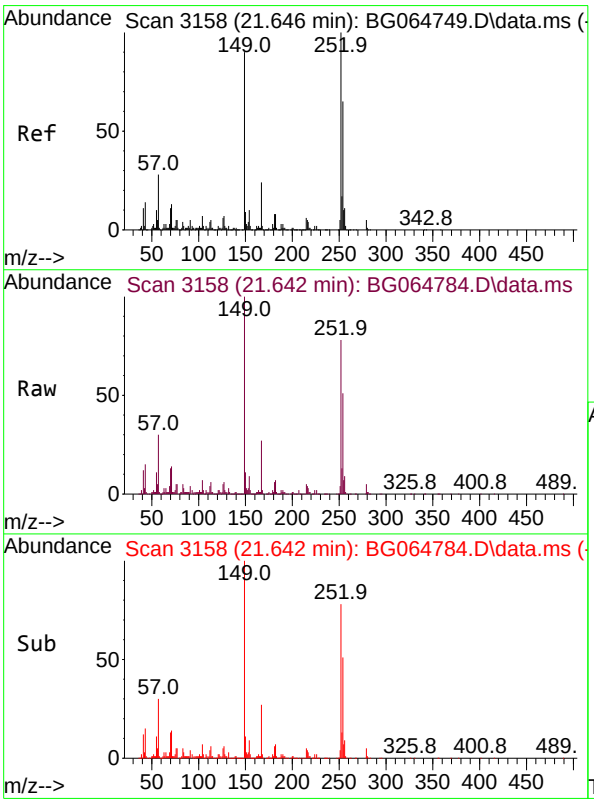
Tgt Ion:228 Resp: 116701

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.3	15.5	23.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

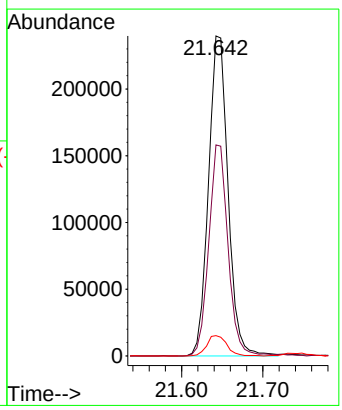


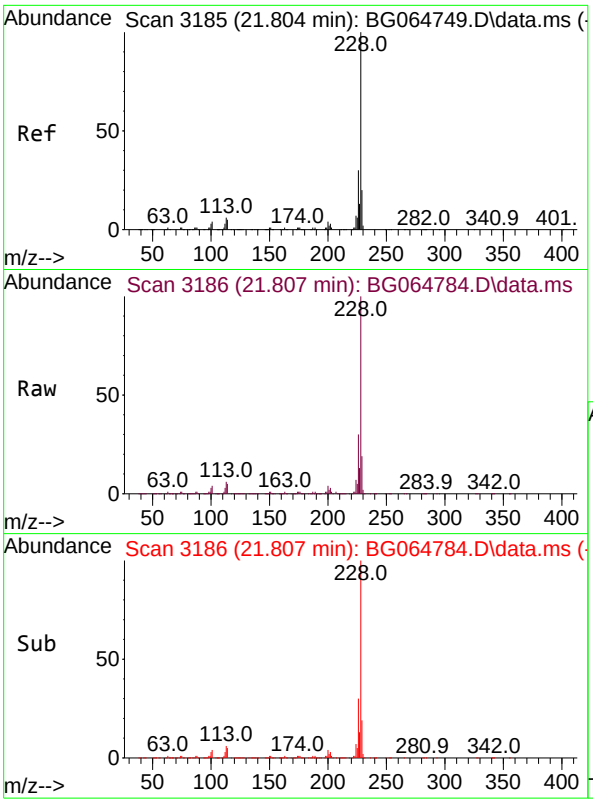


#82
3,3'-Dichlorobenzidine
Concen: 37.067 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:252 Resp: 400531

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.8	77.8
126	6.3	4.7	7.1





#83
Chrysene
Concen: 40.193 ng
RT: 21.807 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 111244

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.5	16.0	24.0

Manual Integrations
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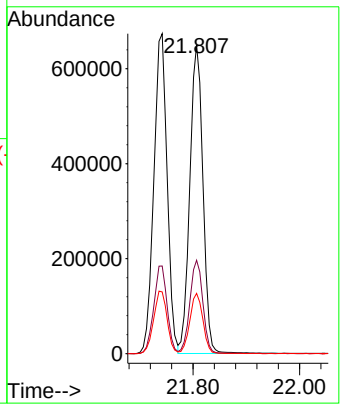
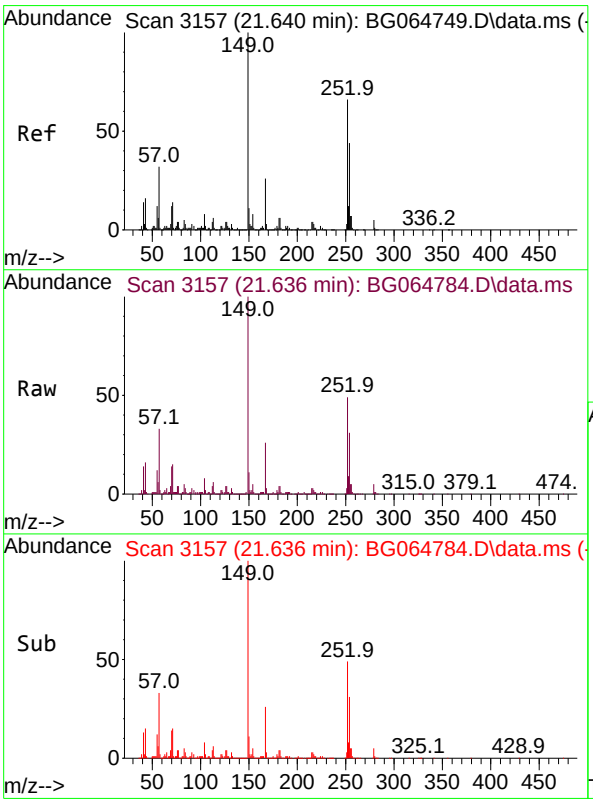
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

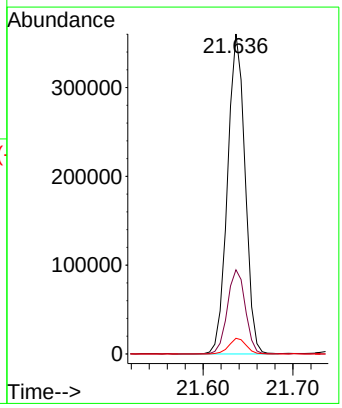


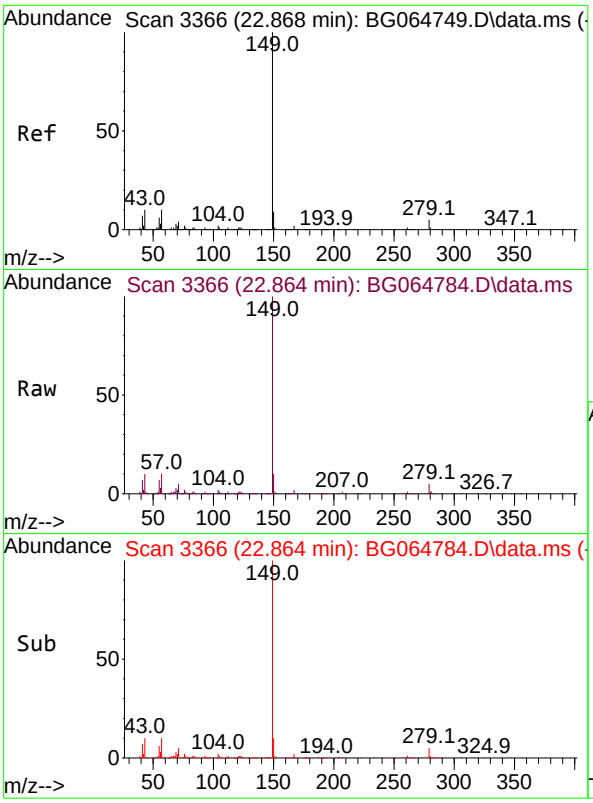


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.456 ng
RT: 21.636 min Scan# 3157
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:149 Resp: 490724

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	4.9	4.1	6.1

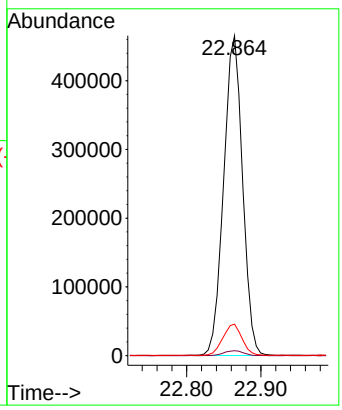




#85
Di-n-octyl phthalate
Concen: 38.259 ng
RT: 22.864 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:149 Resp: 82252

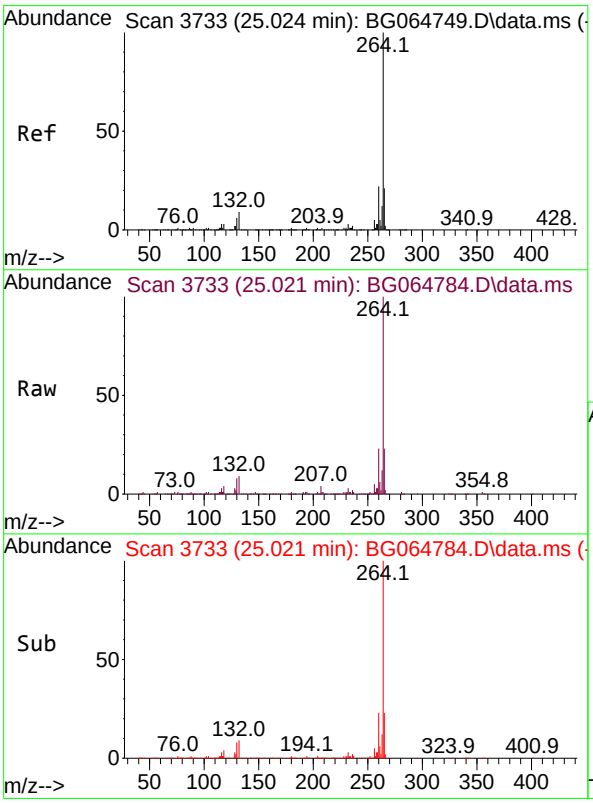
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.9	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

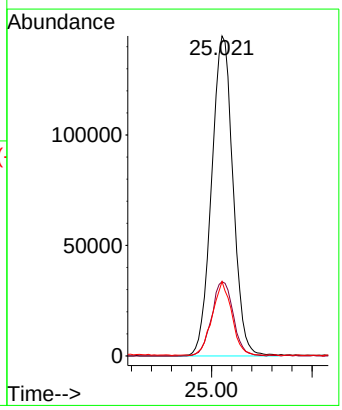
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

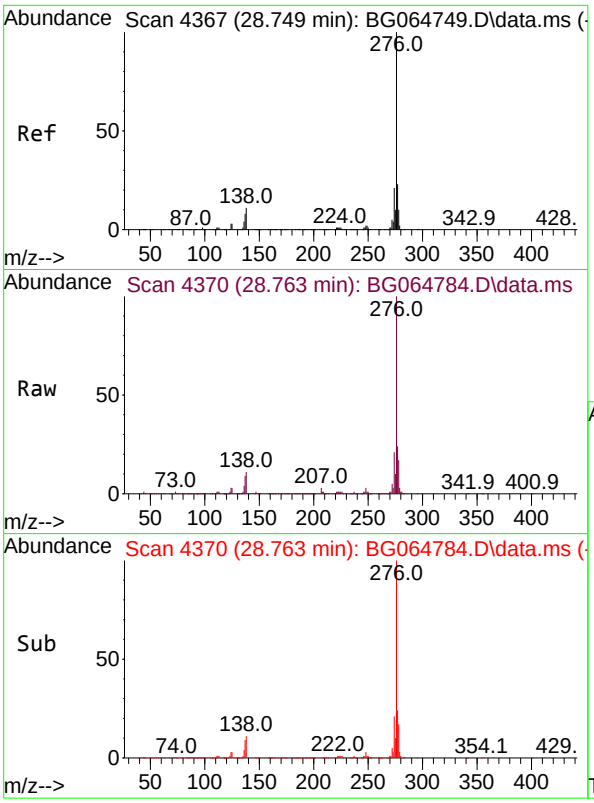


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3733
Delta R.T. -0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:264 Resp: 428890

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.2	25.8
265	23.2	16.6	25.0

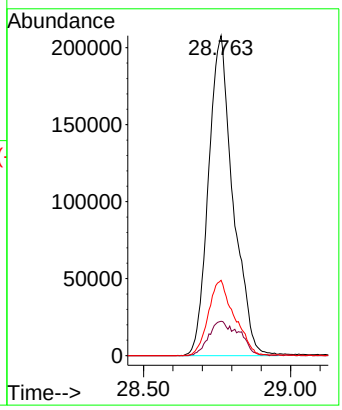




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.949 ng
RT: 28.763 min Scan# 4
Delta R.T. 0.014 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:276 Resp: 120660

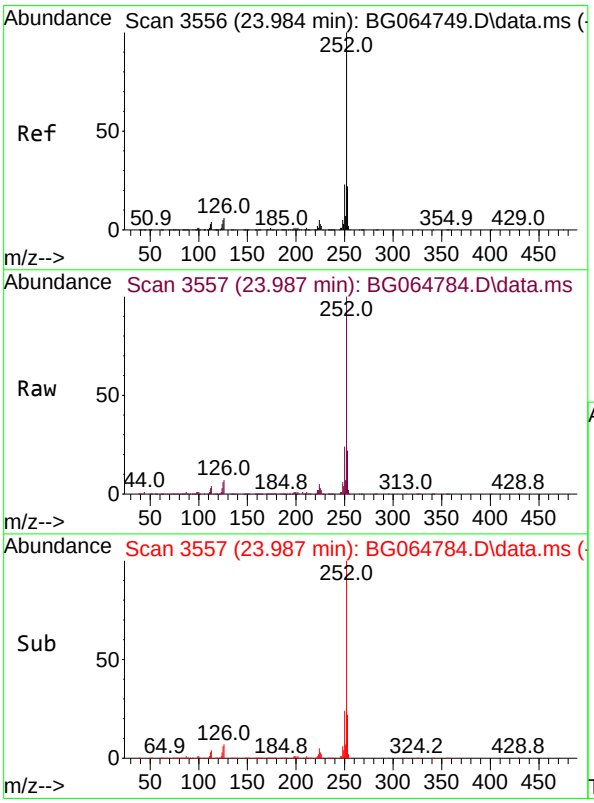
Ion	Ratio	Lower	Upper
276	100		
138	13.3	4.5	6.7#
277	24.9	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

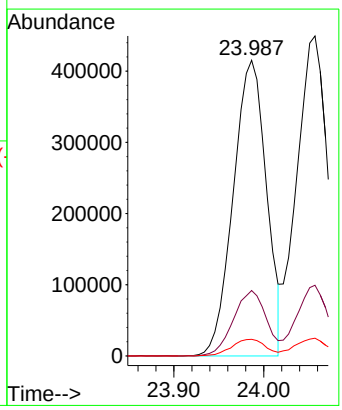
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

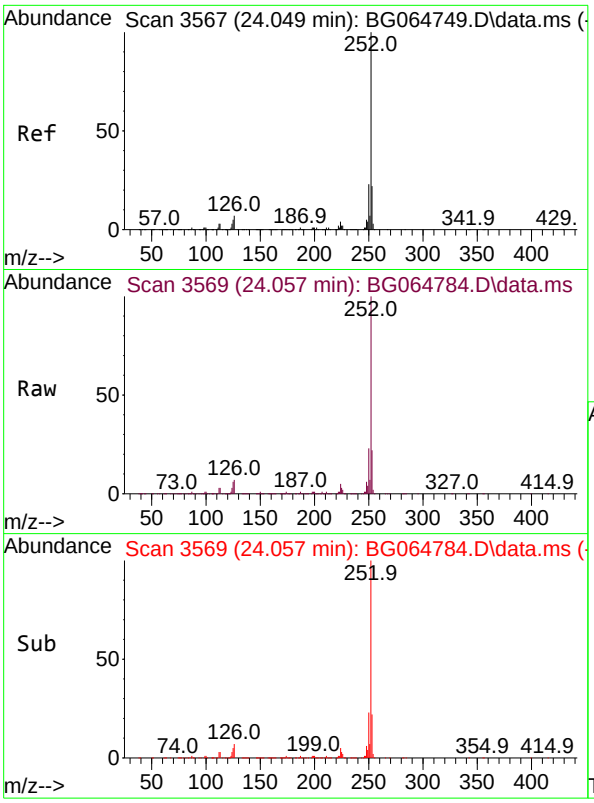


#88
Benzo(b)fluoranthene
Concen: 39.086 ng
RT: 23.987 min Scan# 3557
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:252 Resp: 1066818

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	5.6	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 39.997 ng
RT: 24.057 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

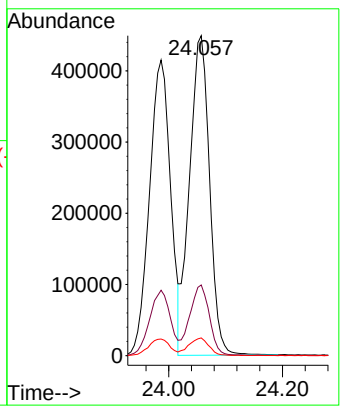
Tgt Ion:252 Resp: 109675

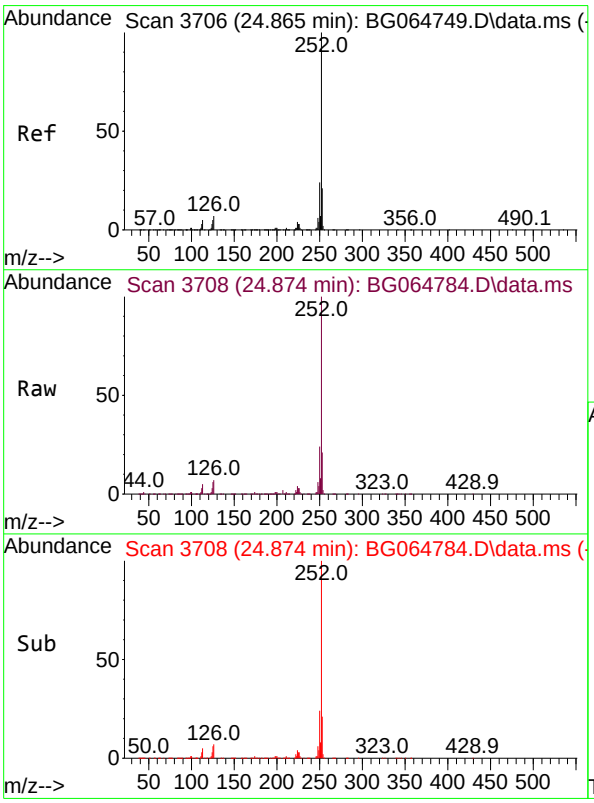
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	5.5	4.1	6.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

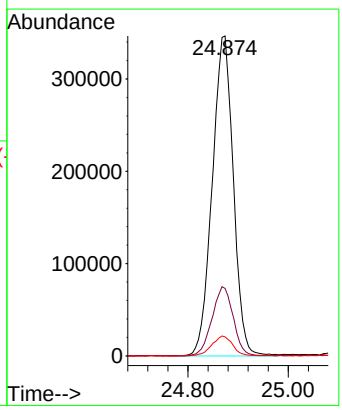


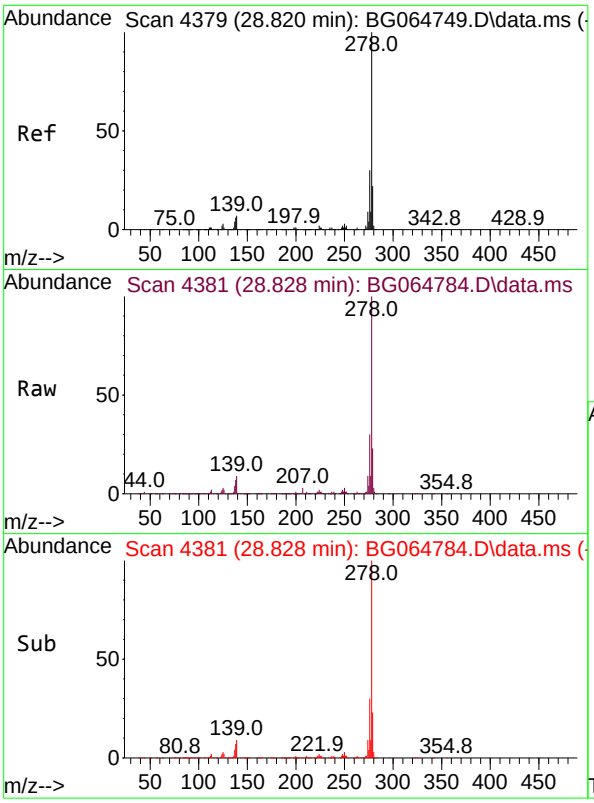


#90
Benzo(a)pyrene
Concen: 39.944 ng
RT: 24.874 min Scan# 3708
Delta R.T. 0.008 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:252 Resp: 1011322

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	5.9	4.2	6.4

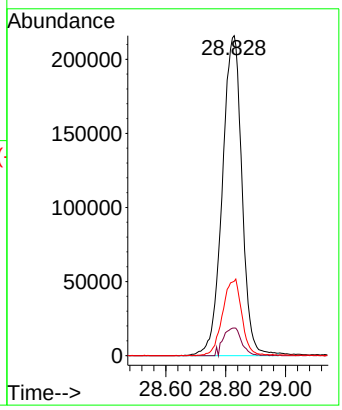




#91
Dibenzo(a,h)anthracene
Concen: 40.966 ng
RT: 28.828 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:278 Resp: 98889

Ion	Ratio	Lower	Upper
278	100		
139	8.6	5.8	8.8
279	23.2	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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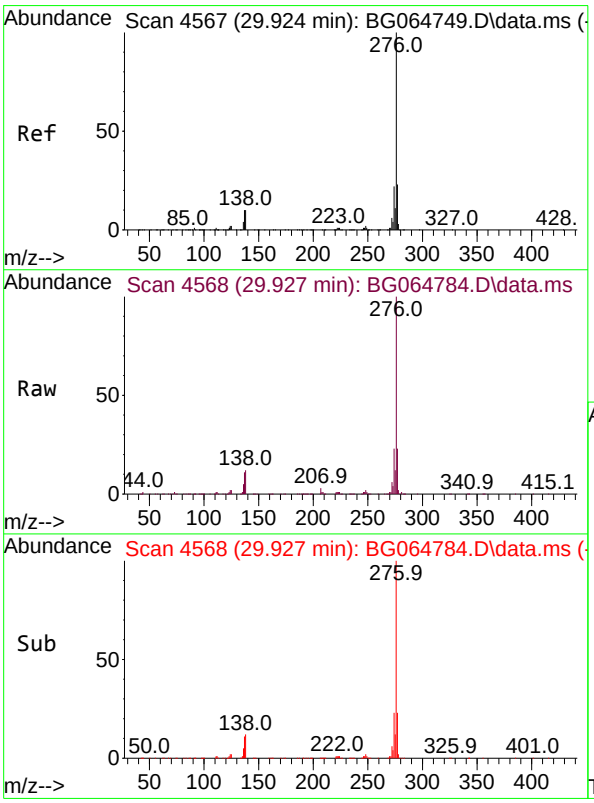
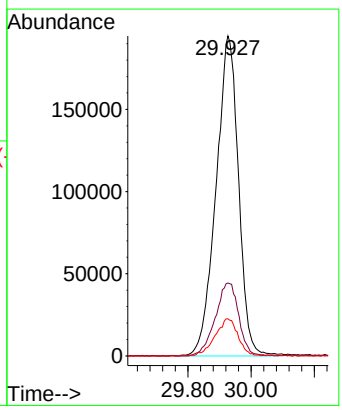
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.337 ng
RT: 29.927 min Scan# 4568
Delta R.T. 0.003 min
Lab File: BG064784.D
Acq: 17 Nov 2025 13:23

Tgt Ion:276 Resp: 960326

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.0	27.0
138	11.6	8.2	12.2



Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	132	0.00
2		1,4-Dioxane	40.000	38.971	2.6	122	0.00
3		Pyridine	40.000	41.884	-4.7	134	0.00
4		n-Nitrosodimethylamine	40.000	39.347	1.6	127	0.00
5	S	2-Fluorophenol	80.000	81.764	-2.2	132	0.00
6		Aniline	40.000	41.979	-4.9	133	0.00
7	S	Phenol-d6	80.000	85.407	-6.8	136	0.00
8		2-Chlorophenol	40.000	42.282	-5.7	135	0.00
9		Benzaldehyde	40.000	38.441	3.9	123	0.00
10	C	Phenol	40.000	42.400	-6.0	135	0.00
11		bis(2-Chloroethyl)ether	40.000	41.413	-3.5	130	0.00
12		1,3-Dichlorobenzene	40.000	41.411	-3.5	132	0.00
13	C	1,4-Dichlorobenzene	40.000	41.435	-3.6	134	0.00
14		1,2-Dichlorobenzene	40.000	40.706	-1.8	130	0.00
15		Benzyl Alcohol	40.000	42.431	-6.1	134	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.471	1.3	128	0.00
17		2-Methylphenol	40.000	42.136	-5.3	134	0.00
18		Hexachloroethane	40.000	39.681	0.8	130	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.621	-6.6	132	0.00
20		3+4-Methylphenols	40.000	42.021	-5.1	135	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	132	0.00
22		Acetophenone	40.000	41.423	-3.6	132	0.00
23	S	Nitrobenzene-d5	80.000	82.888	-3.6	133	0.00
24		Nitrobenzene	40.000	42.005	-5.0	136	0.00
25		Isophorone	40.000	40.339	-0.8	133	0.00
26	C	2-Nitrophenol	40.000	43.403	-8.5	136	0.00
27		2,4-Dimethylphenol	40.000	41.924	-4.8	136	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.151	-5.4	138	0.00
29	C	2,4-Dichlorophenol	40.000	42.820	-7.1	136	0.00
30		1,2,4-Trichlorobenzene	40.000	40.006	-0.0	131	0.00
31		Naphthalene	40.000	40.590	-1.5	133	0.00
32		Benzoic acid	40.000	41.271	-3.2	150	0.01
33		4-Chloroaniline	40.000	42.302	-5.8	134	0.00
34	C	Hexachlorobutadiene	40.000	39.177	2.1	128	0.00
35		Caprolactam	40.000	44.142	-10.4	148	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.069	-5.2	139	0.00
37		2-Methylnaphthalene	40.000	40.406	-1.0	134	0.00
38		1-Methylnaphthalene	40.000	40.196	-0.5	134	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	134	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.420	1.4	131	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.889	7.8	123	0.00
42	S	2,4,6-Tribromophenol	80.000	83.436	-4.3	141	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.436	-3.6	136	0.00
44		2,4,5-Trichlorophenol	40.000	41.859	-4.6	138	0.00
45	S	2-Fluorobiphenyl	80.000	78.776	1.5	133	0.00
46		1,1'-Biphenyl	40.000	39.665	0.8	133	0.00
47		2-Chloronaphthalene	40.000	40.159	-0.4	136	0.00

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	43.069	-7.7	141	0.00
49		Acenaphthylene	40.000	40.741	-1.9	137	0.00
50		Dimethylphthalate	40.000	40.347	-0.9	138	0.00
51		2,6-Dinitrotoluene	40.000	42.325	-5.8	141	0.00
52	C	Acenaphthene	40.000	41.941	-4.9	140	0.00
53		3-Nitroaniline	40.000	44.587	-11.5	146	0.00
54	P	2,4-Dinitrophenol	40.000	40.864	-2.2	149	0.00
55		Dibenzofuran	40.000	40.691	-1.7	140	0.00
56	P	4-Nitrophenol	40.000	46.239	-15.6	153	0.00
57		2,4-Dinitrotoluene	40.000	44.628	-11.6	147	0.00
58		Fluorene	40.000	40.463	-1.2	138	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.954	-7.4	145	0.00
60		Diethylphthalate	40.000	41.318	-3.3	140	0.00
61		4-Chlorophenyl-phenylether	40.000	40.354	-0.9	138	0.00
62		4-Nitroaniline	40.000	45.299	-13.2	147	0.00
63		Azobenzene	40.000	41.093	-2.7	140	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	145	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.929	-7.3	148	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.598	1.0	140	0.00
67		4-Bromophenyl-phenylether	40.000	38.634	3.4	137	0.00
68		Hexachlorobenzene	40.000	38.403	4.0	139	0.00
69		Atrazine	40.000	39.208	2.0	142	0.00
70	C	Pentachlorophenol	40.000	41.073	-2.7	161	0.00
71		Phenanthrene	40.000	39.446	1.4	143	0.00
72		Anthracene	40.000	39.948	0.1	145	0.00
73		Carbazole	40.000	40.223	-0.6	144	0.00
74		Di-n-butylphthalate	40.000	39.401	1.5	142	0.00
75	C	Fluoranthene	40.000	39.231	1.9	143	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	131	0.00
77		Benzidine	40.000	34.346	14.1	120	0.00
78		Pyrene	40.000	42.796	-7.0	142	0.00
79	S	Terphenyl-d14	80.000	83.046	-3.8	137	0.00
80		Butylbenzylphthalate	40.000	41.802	-4.5	138	0.00
81		Benzo(a)anthracene	40.000	39.752	0.6	129	0.00
82		3,3'-Dichlorobenzidine	40.000	37.067	7.3	118	0.00
83		Chrysene	40.000	40.193	-0.5	129	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.456	1.4	128	0.00
85	c	Di-n-octyl phthalate	40.000	38.259	4.4	120	0.00
86	I	Perylene-d12	20.000	20.000	0.0	115	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.949	-2.4	116	0.01
88		Benzo(b)fluoranthene	40.000	39.086	2.3	111	0.00
89		Benzo(k)fluoranthene	40.000	39.997	0.0	118	0.00
90	C	Benzo(a)pyrene	40.000	39.944	0.1	114	0.00
91		Dibenzo(a,h)anthracene	40.000	40.966	-2.4	115	0.00
92		Benzo(g,h,i)perylene	40.000	41.337	-3.3	117	0.00

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	132	0.00
2		1,4-Dioxane	0.443	0.432	2.5	122	0.00
3		Pyridine	1.321	1.383	-4.7	134	0.00
4		n-Nitrosodimethylamine	0.672	0.661	1.6	127	0.00
5	S	2-Fluorophenol	1.145	1.171	-2.3	132	0.00
6		Aniline	2.030	2.131	-5.0	133	0.00
7	S	Phenol-d6	1.523	1.626	-6.8	136	0.00
8		2-Chlorophenol	1.258	1.329	-5.6	135	0.00
9		Benzaldehyde	0.997	0.958	3.9	123	0.00
10	C	Phenol	1.657	1.757	-6.0	135	0.00
11		bis(2-Chloroethyl)ether	1.179	1.221	-3.6	130	0.00
12		1,3-Dichlorobenzene	1.447	1.498	-3.5	132	0.00
13	C	1,4-Dichlorobenzene	1.474	1.526	-3.5	134	0.00
14		1,2-Dichlorobenzene	1.429	1.454	-1.7	130	0.00
15		Benzyl Alcohol	1.250	1.326	-6.1	134	0.00
16		2,2'-oxybis(1-Chloropropane	2.792	2.755	1.3	128	0.00
17		2-Methylphenol	1.173	1.235	-5.3	134	0.00
18		Hexachloroethane	0.558	0.554	0.7	130	0.00
19	P	n-Nitroso-di-n-propylamine	1.030	1.098	-6.6	132	0.00
20		3+4-Methylphenols	1.607	1.688	-5.0	135	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00
22		Acetophenone	0.545	0.564	-3.5	132	0.00
23	S	Nitrobenzene-d5	0.405	0.419	-3.5	133	0.00
24		Nitrobenzene	0.409	0.429	-4.9	136	0.00
25		Isophorone	0.770	0.777	-0.9	133	0.00
26	C	2-Nitrophenol	0.184	0.199	-8.2	136	0.00
27		2,4-Dimethylphenol	0.327	0.342	-4.6	136	0.00
28		bis(2-Chloroethoxy)methane	0.423	0.446	-5.4	138	0.00
29	C	2,4-Dichlorophenol	0.351	0.375	-6.8	136	0.00
30		1,2,4-Trichlorobenzene	0.423	0.423	0.0	131	0.00
31		Naphthalene	1.134	1.150	-1.4	133	0.00
32		Benzoic acid	0.205	0.232	-13.2	150	0.01
33		4-Chloroaniline	0.454	0.480	-5.7	134	0.00
34	C	Hexachlorobutadiene	0.363	0.356	1.9	128	0.00
35		Caprolactam	0.105	0.116	-10.5	148	0.00
36	C	4-Chloro-3-methylphenol	0.390	0.410	-5.1	139	0.00
37		2-Methylnaphthalene	0.848	0.857	-1.1	134	0.00
38		1-Methylnaphthalene	0.843	0.847	-0.5	134	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	134	0.00
40		1,2,4,5-Tetrachlorobenzene	0.778	0.767	1.4	131	0.00
41	P	Hexachlorocyclopentadiene	0.558	0.514	7.9	123	0.00
42	S	2,4,6-Tribromophenol	0.390	0.407	-4.4	141	0.00
43	C	2,4,6-Trichlorophenol	0.457	0.473	-3.5	136	0.00
44		2,4,5-Trichlorophenol	0.512	0.536	-4.7	138	0.00
45	S	2-Fluorobiphenyl	1.433	1.411	1.5	133	0.00
46		1,1'-Biphenyl	1.436	1.424	0.8	133	0.00
47		2-Chloronaphthalene	1.132	1.136	-0.4	136	0.00

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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	0.364	0.392	-7.7	141	0.00
49		Acenaphthylene	1.933	1.969	-1.9	137	0.00
50		Dimethylphthalate	1.580	1.594	-0.9	138	0.00
51		2,6-Dinitrotoluene	0.304	0.322	-5.9	141	0.00
52	C	Acenaphthene	1.159	1.215	-4.8	140	0.00
53		3-Nitroaniline	0.300	0.334	-11.3	146	0.00
54	P	2,4-Dinitrophenol	0.158	0.188	-19.0	149	0.00
55		Dibenzofuran	1.916	1.950	-1.8	140	0.00
56	P	4-Nitrophenol	0.238	0.275	-15.5	153#	0.00
57		2,4-Dinitrotoluene	0.456	0.508	-11.4	147	0.00
58		Fluorene	1.503	1.520	-1.1	138	0.00
59		2,3,4,6-Tetrachlorophenol	0.506	0.543	-7.3	145	0.00
60		Diethylphthalate	1.513	1.563	-3.3	140	0.00
61		4-Chlorophenyl-phenylether	0.902	0.910	-0.9	138	0.00
62		4-Nitroaniline	0.311	0.352	-13.2	147	0.00
63		Azobenzene	1.259	1.293	-2.7	140	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	145	0.00
65		4,6-Dinitro-2-methylphenol	0.111	0.119	-7.2	148	0.00
66	c	n-Nitrosodiphenylamine	0.524	0.519	1.0	140	0.00
67		4-Bromophenyl-phenylether	0.263	0.254	3.4	137	0.00
68		Hexachlorobenzene	0.318	0.306	3.8	139	0.00
69		Atrazine	0.253	0.248	2.0	142	0.00
70	C	Pentachlorophenol	0.157	0.178	-13.4	161#	0.00
71		Phenanthrene	1.094	1.079	1.4	143	0.00
72		Anthracene	1.116	1.114	0.2	145	0.00
73		Carbazole	0.959	0.965	-0.6	144	0.00
74		Di-n-butylphthalate	1.070	1.054	1.5	142	0.00
75	C	Fluoranthene	1.496	1.468	1.9	143	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	131	0.00
77		Benzidine	0.599	0.514	14.2	120	0.00
78		Pyrene	1.121	1.199	-7.0	142	0.00
79	S	Terphenyl-d14	1.017	1.055	-3.7	137	0.00
80		Butylbenzylphthalate	0.394	0.412	-4.6	138	0.00
81		Benzo(a)anthracene	1.360	1.351	0.7	129	0.00
82		3,3'-Dichlorobenzidine	0.501	0.464	7.4	118	0.00
83		Chrysene	1.282	1.288	-0.5	129	0.00
84		Bis(2-ethylhexyl)phthalate	0.576	0.568	1.4	128	0.00
85	c	Di-n-octyl phthalate	0.996	0.953	4.3	120	0.00
86	I	Perylene-d12	1.000	1.000	0.0	115	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.407	-2.4	116	0.01
88		Benzo(b)fluoranthene	1.273	1.244	2.3	111	0.00
89		Benzo(k)fluoranthene	1.279	1.279	0.0	118	0.00
90	C	Benzo(a)pyrene	1.181	1.179	0.2	114	0.00
91		Dibenzo(a,h)anthracene	1.126	1.153	-2.4	115	0.00
92		Benzo(g,h,i)perylene	1.083	1.120	-3.4	117	0.00

Sample Results: **BG064784.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064784.D
Acq On : 17 Nov 2025 13:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 17 14:01:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 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

QC SAMPLE DATA

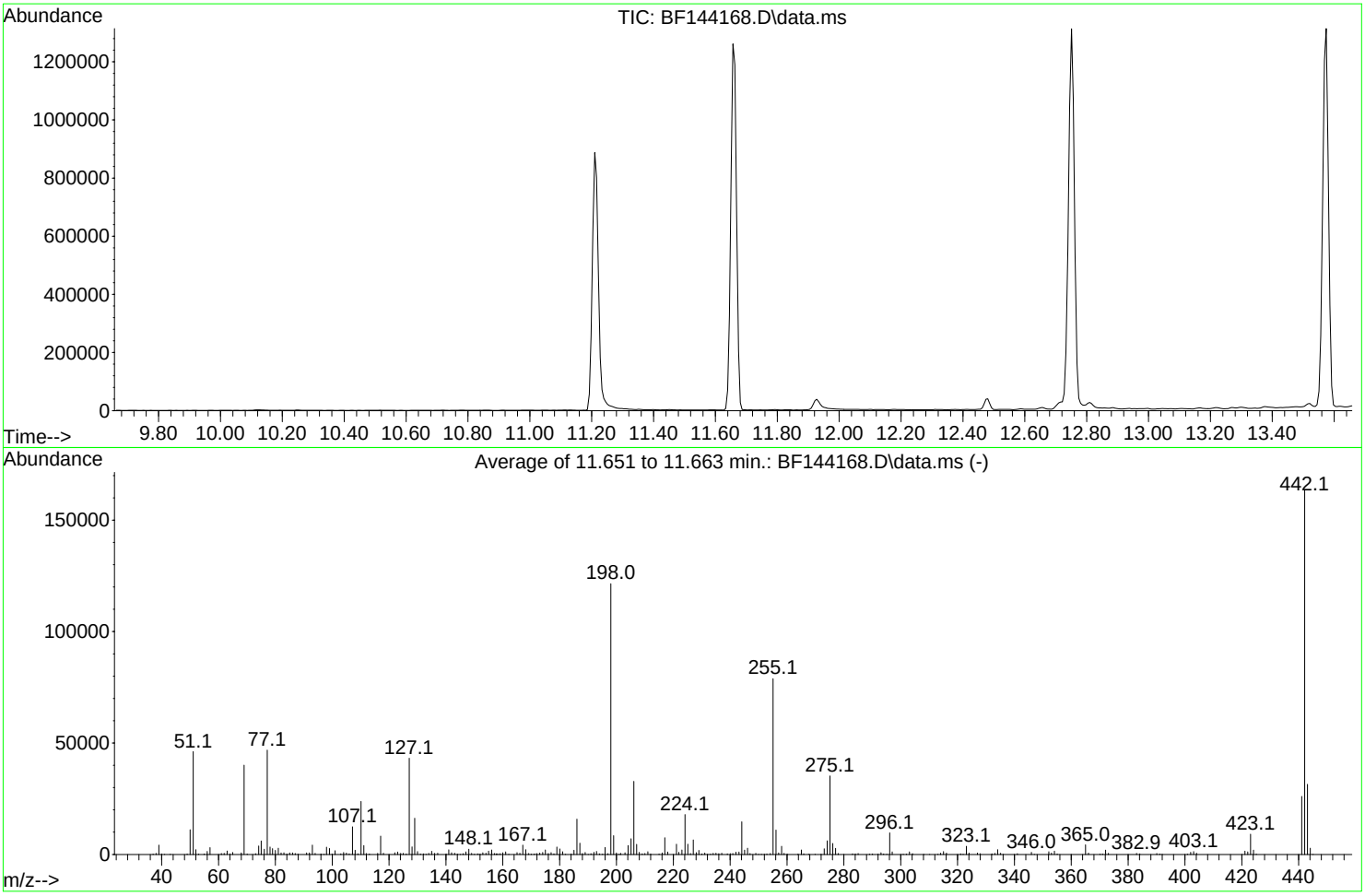
Sample Results: **BF144168.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

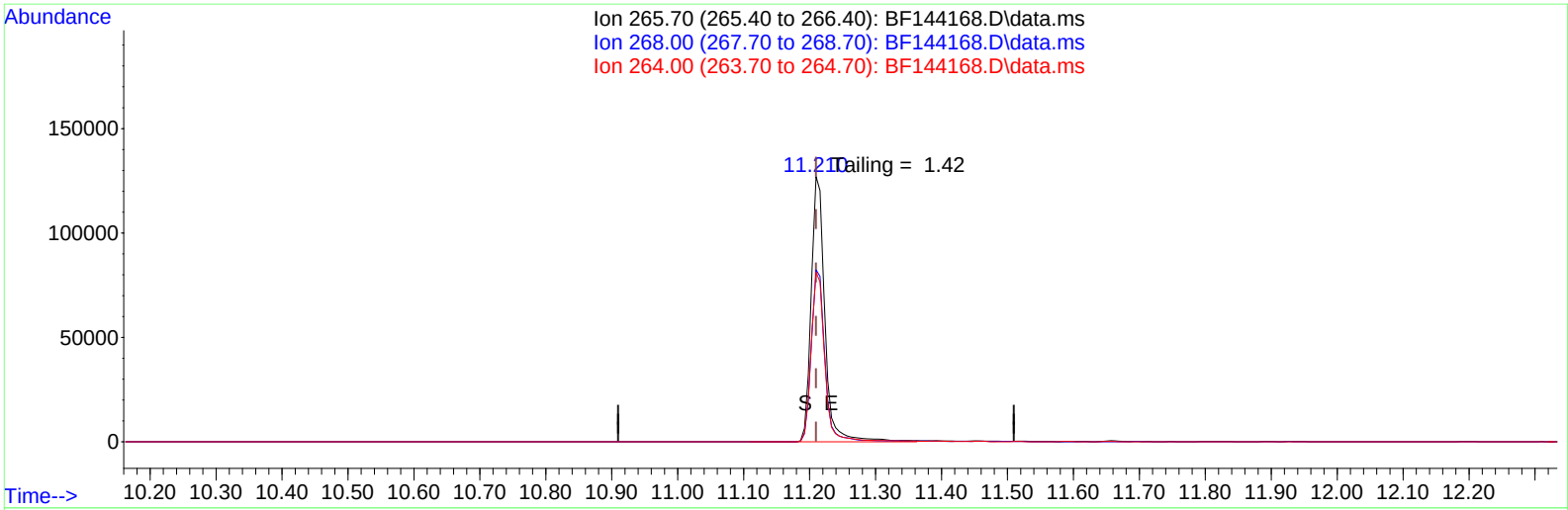
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	709	PASS
69	69	100	100	100.0	40048	PASS
70	69	0.00	2	0.6	222	PASS
197	198	0.00	2	0.3	378	PASS
198	198	100	100	100.0	121493	PASS
199	198	5	9	6.9	8441	PASS
365	198	1	100	3.6	4315	PASS
441	443	0.01	150	82.6	26027	PASS
442	442	100	100	100.0	163299	PASS
443	442	15	24	19.3	31501	PASS

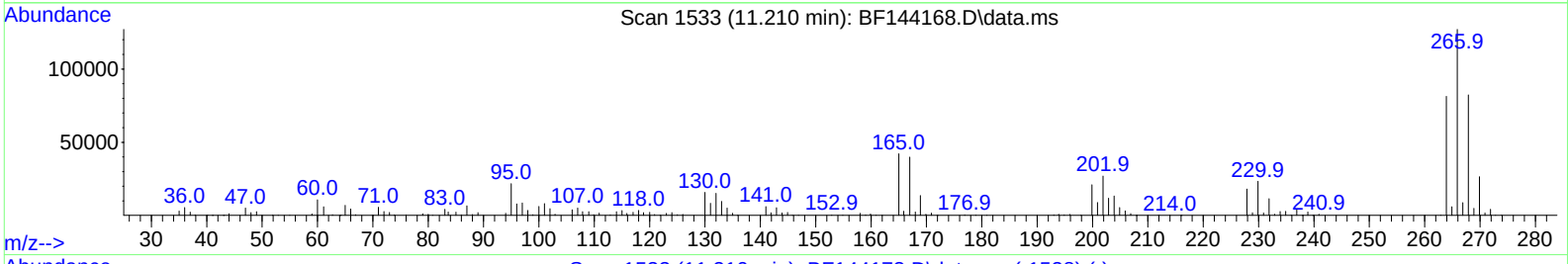
Sample Results: **BF144168.D**

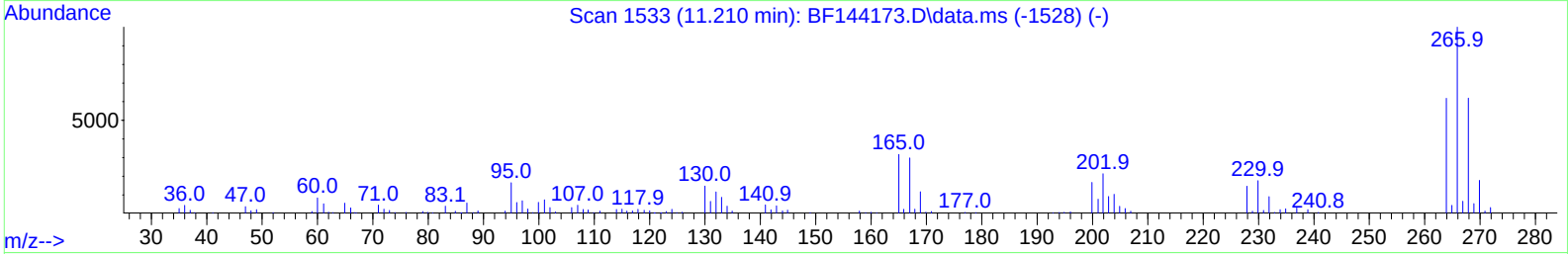
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 39632.00 ng

response 182948

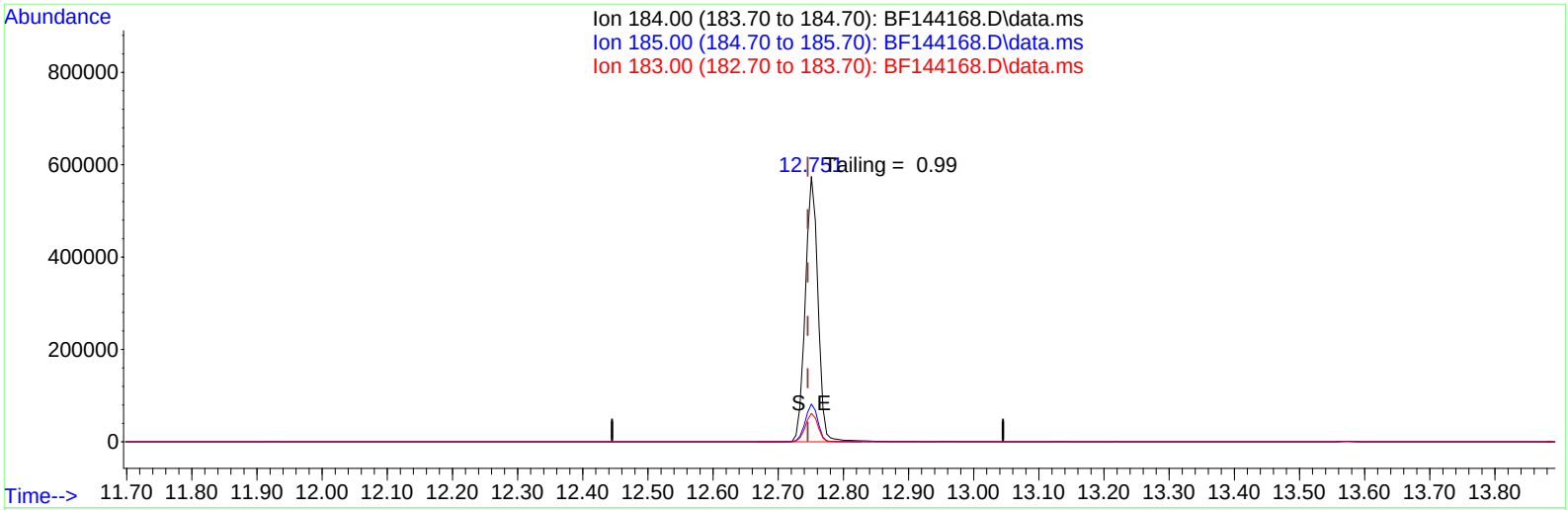
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	64.79
264.00	61.80	64.01
0.00	0.00	0.00

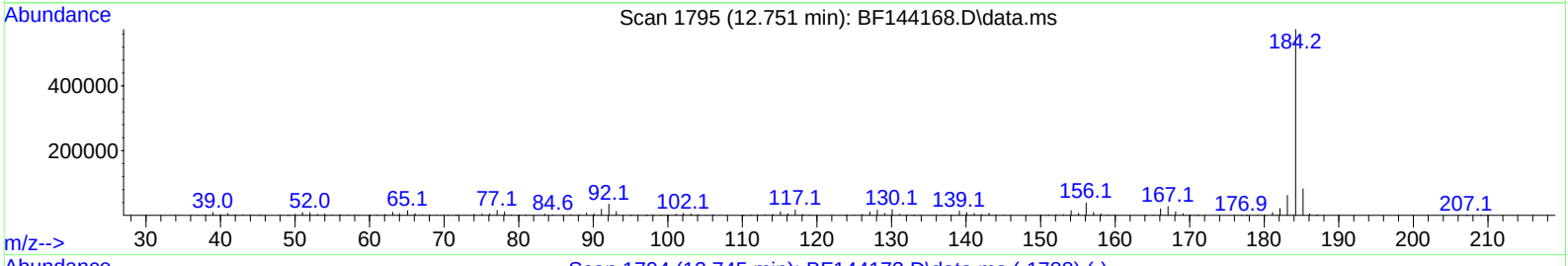
Sample Results: **BF144168.D**

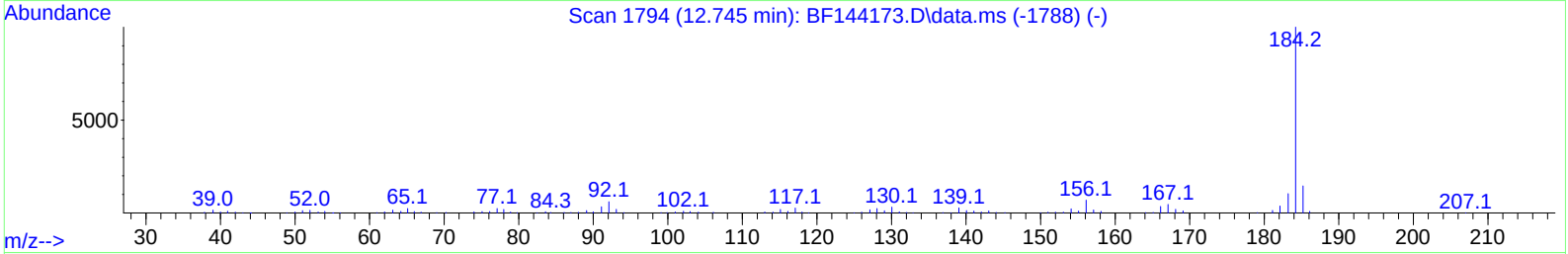
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110525\
Data File : BF144168.D
Acq On : 05 Nov 2025 12:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 15:24:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 15:17:46 2025
Response via : Initial Calibration







TIC: BF144168.D\data.ms

(77) Benzidine

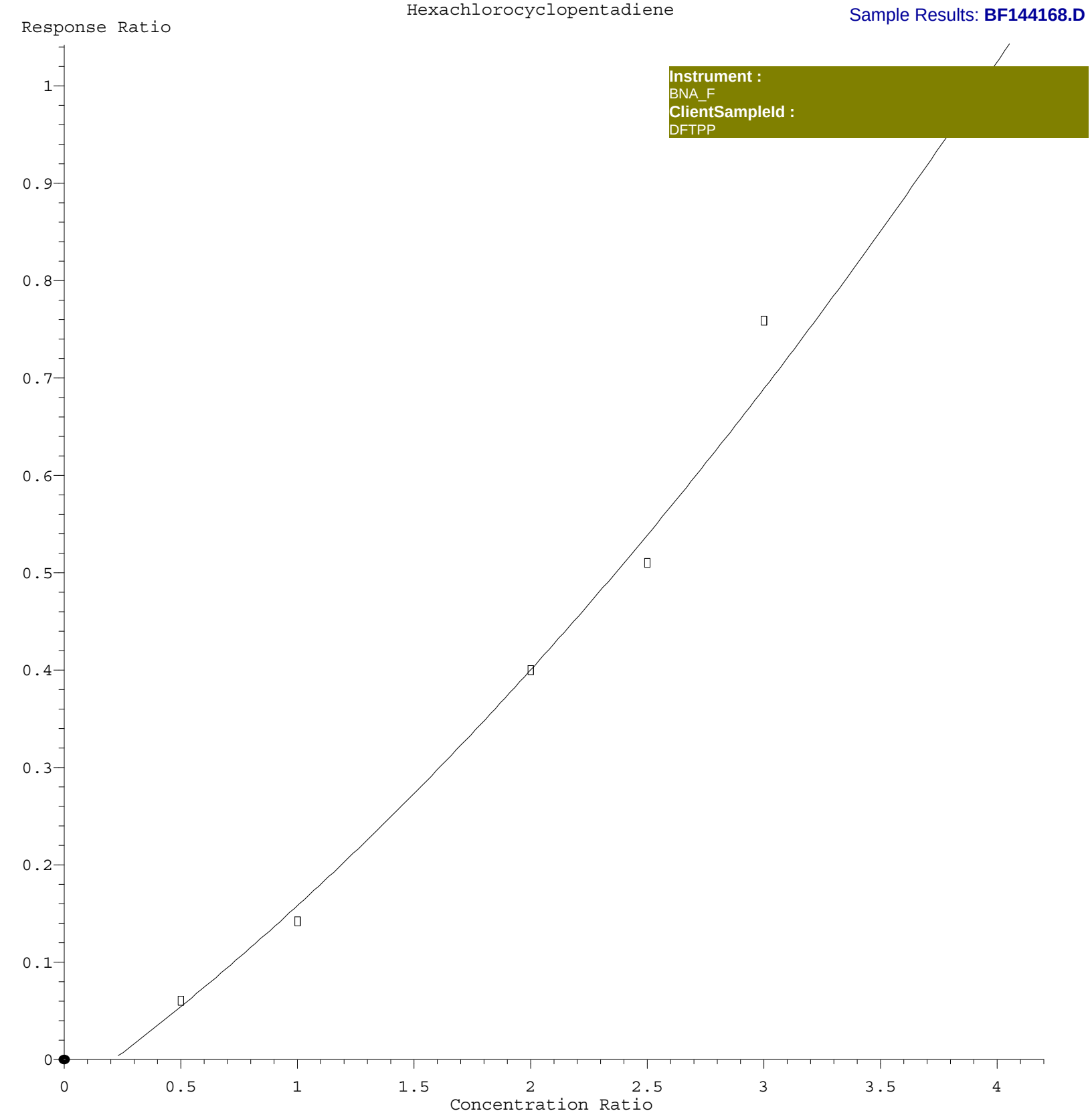
12.751min (+ 0.006) 0.00 ng

response 777212

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.24
183.00	10.40	10.75
0.00	0.00	0.00

Hexachlorocyclopentadiene

Sample Results: **BF144168.D**



R = 2.331e-002 A*A + 1.722e-001 A - 3.751e-002
Coef of Det (r^2) = 0.992660 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110525.M
Calibration Table Last Updated: Wed Nov 05 18:37:33 2025

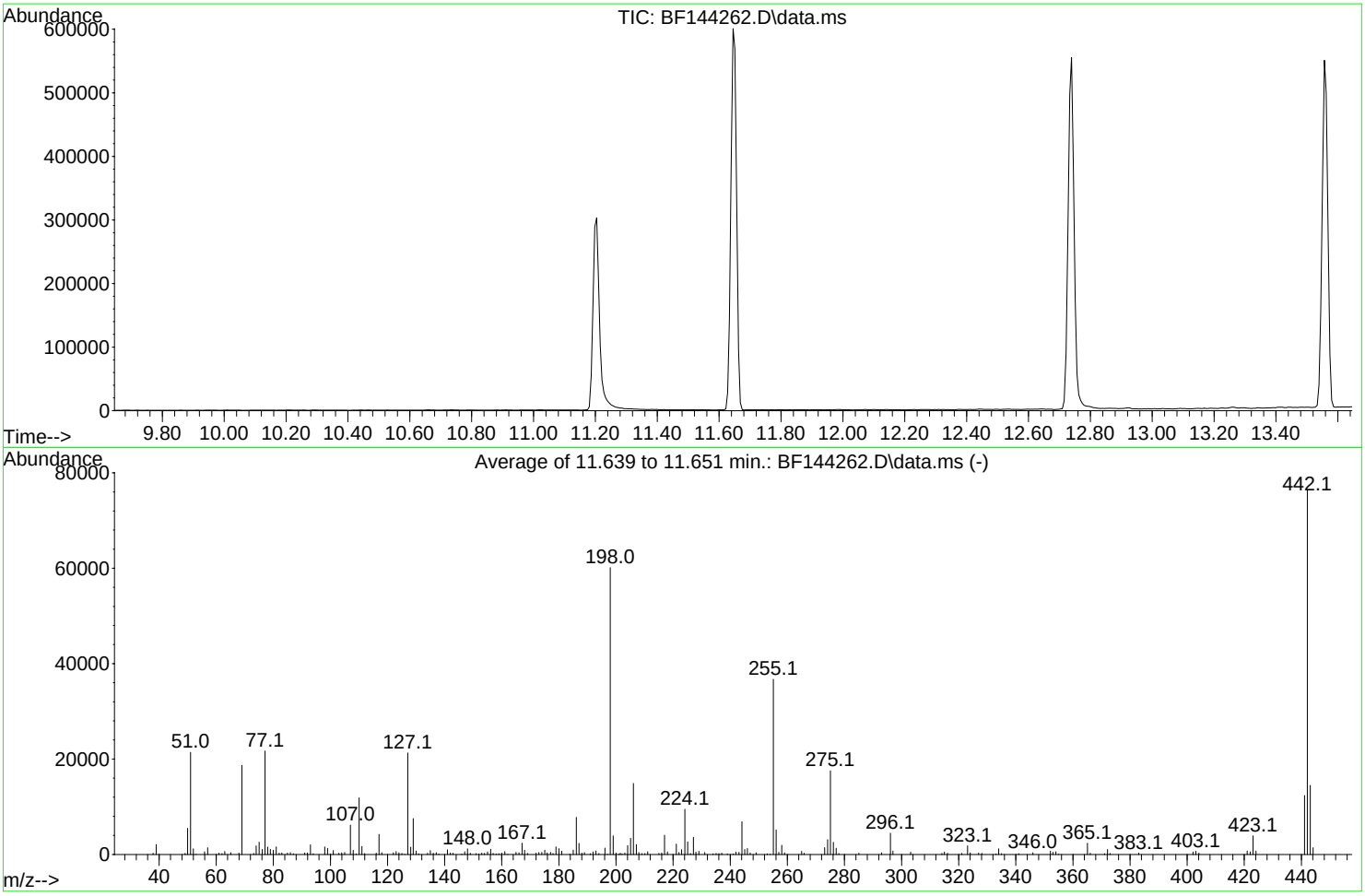
Sample Results: **BF144262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144262.D
Acq On : 17 Nov 2025 12:22
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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 05 18:37:33 2025



AutoFind: Scans 1606, 1607, 1608; Background Corrected with Scan 1600

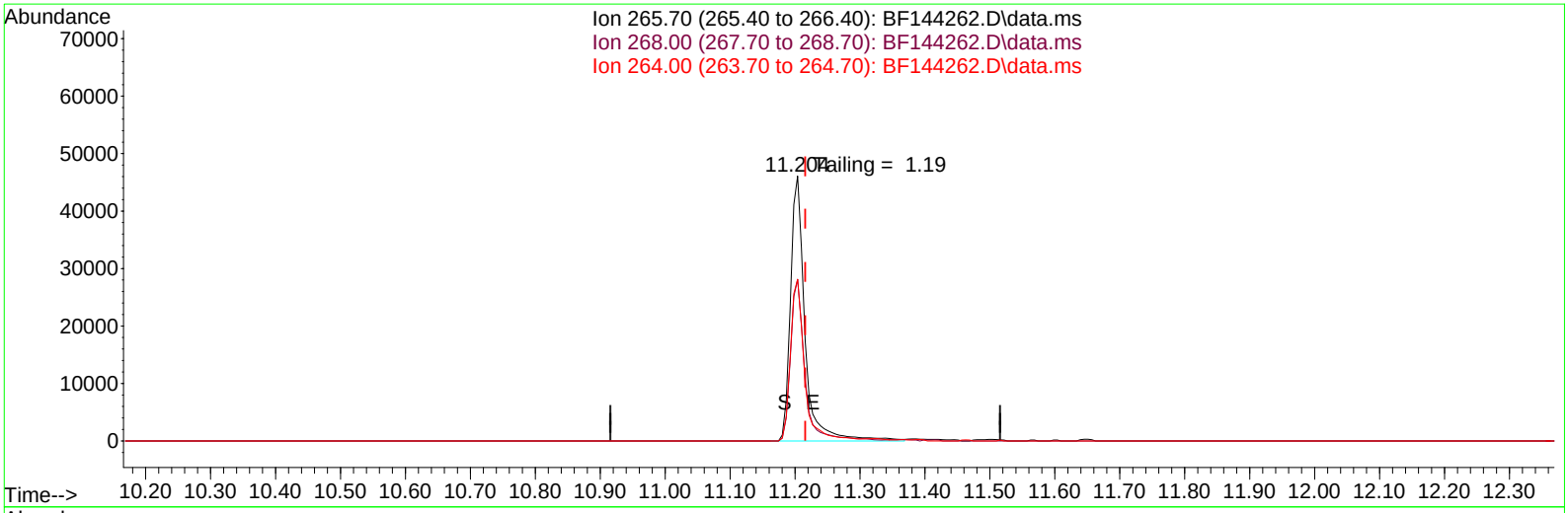
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	311	PASS
69	69	100	100	100.0	18691	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.1	53	PASS
198	198	100	100	100.0	60120	PASS
199	198	5	9	6.5	3923	PASS
365	198	1	100	3.9	2374	PASS
441	443	0.01	150	85.2	12351	PASS
442	442	100	100	100.0	76299	PASS
443	442	15	24	19.0	14500	PASS

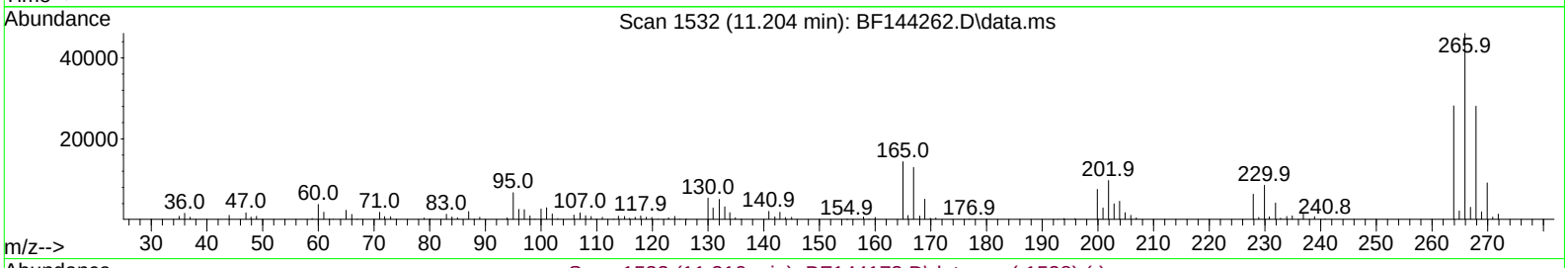
Sample Results: **BF144262.D**

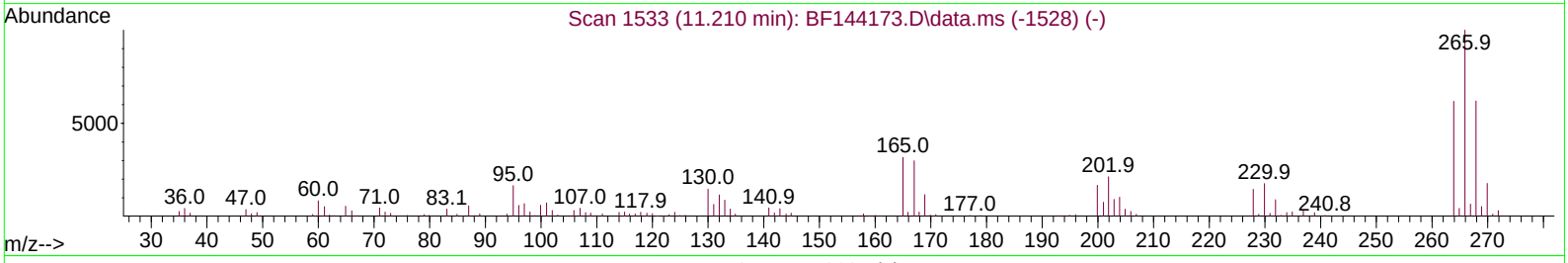
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144262.D
Acq On : 17 Nov 2025 12:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 17 12:57:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144262.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.012) 32389.41 ng

response 72018

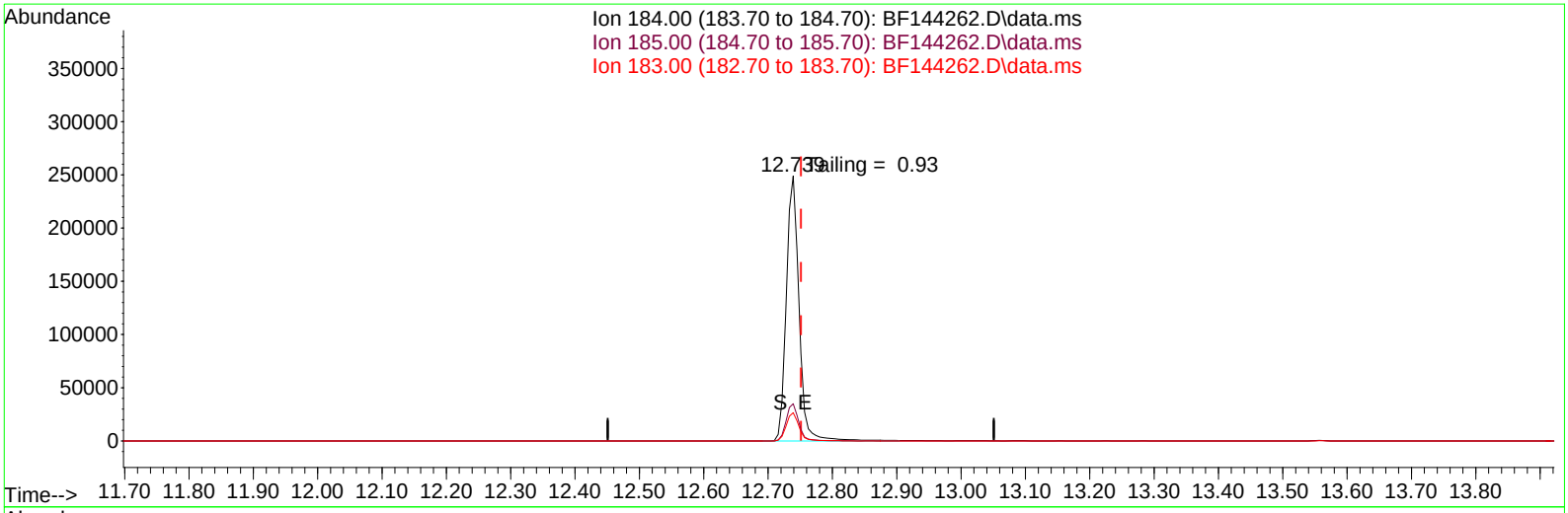
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	60.95
264.00	61.80	61.08
0.00	0.00	0.00

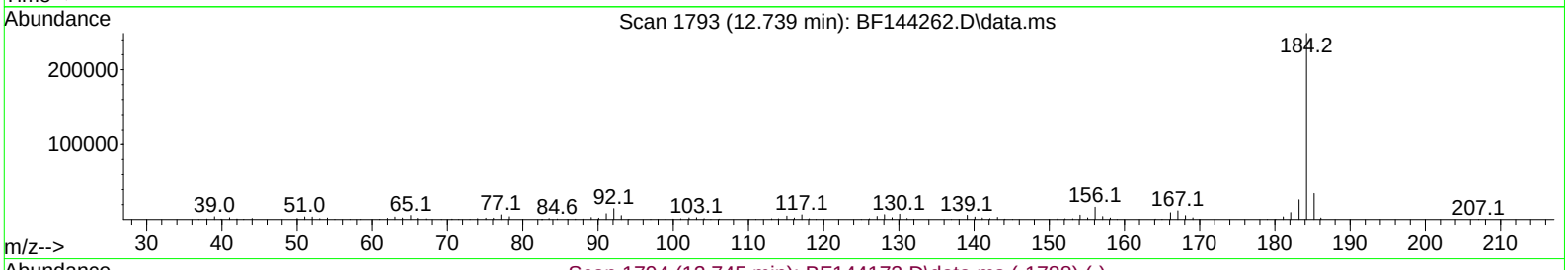
Sample Results: **BF144262.D**

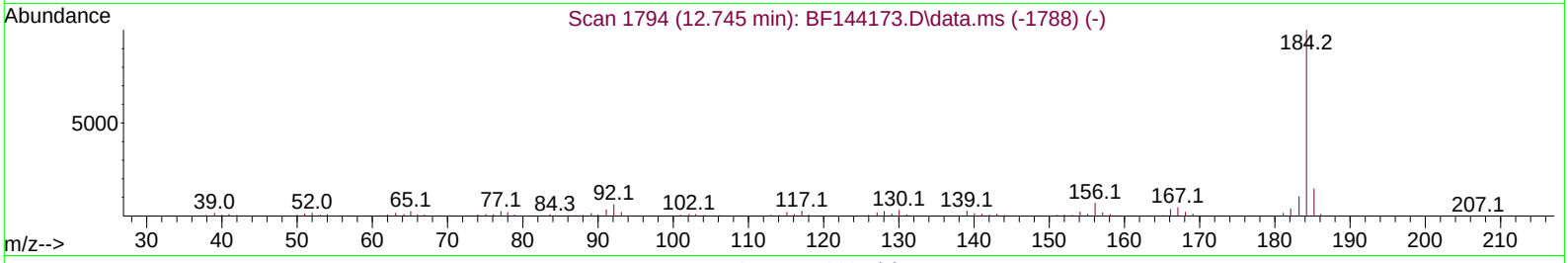
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144262.D
Acq On : 17 Nov 2025 12:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 17 12:57:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration







TIC: BF144262.D\data.ms

(77) Benzidine

12.739min (-0.012) 0.00 ng

response 342050

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.06
183.00	10.40	10.65
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/17/2025	BNA_F	BF144262.D
Compound Name	**Response**	**Retention Time**
DDT	152055	13.557
DDD	2007	13.263
DDE	581	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2588	154643	1.67

Instrument :
BNA_F
ClientSampleId :
DFTPP

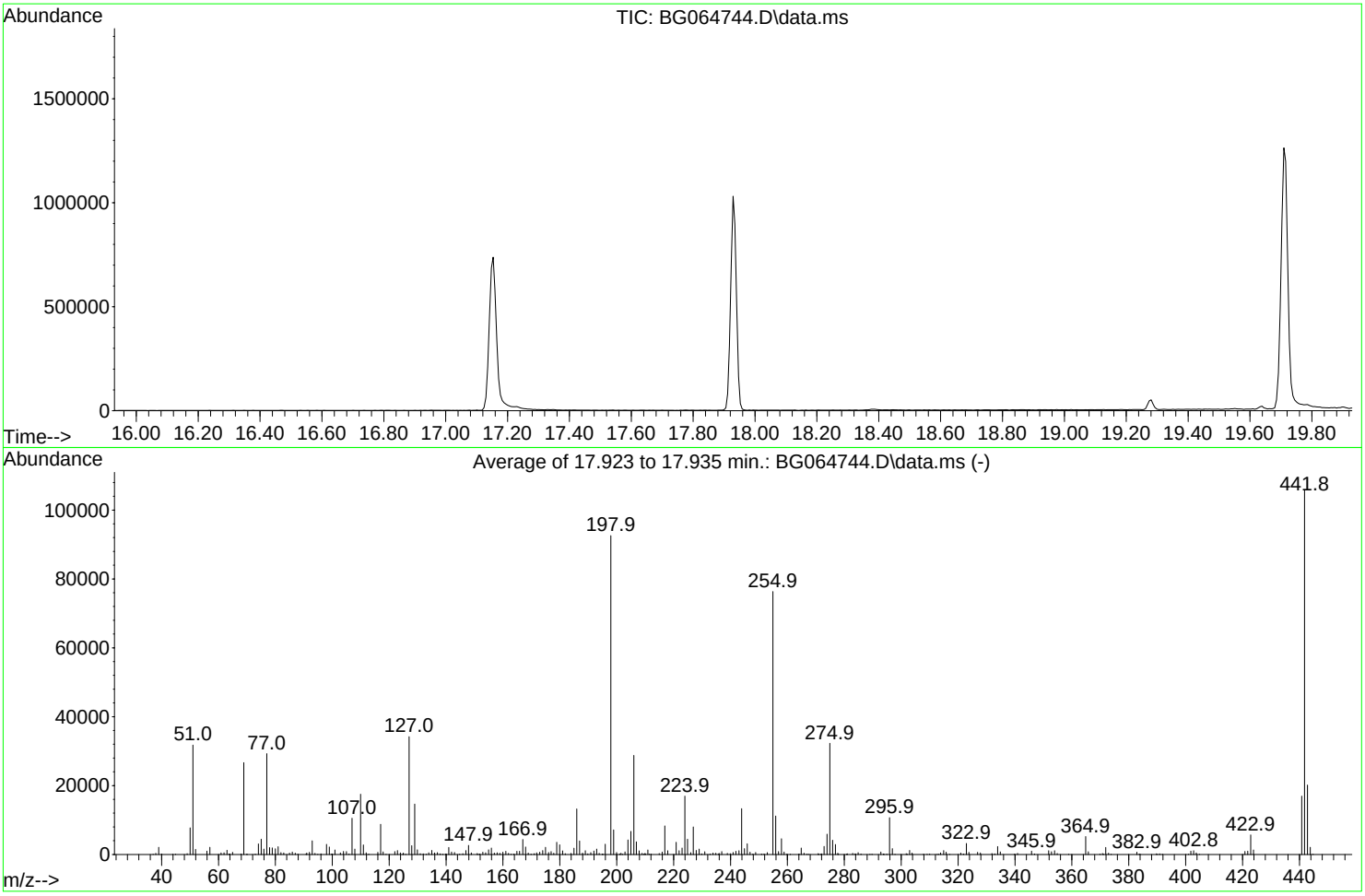
Sample Results: **BG064744.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025



AutoFind: Scans 2525, 2526, 2527; Background Corrected with Scan 2519

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	163	PASS
69	69	100	100	100.0	26656	PASS
70	69	0.00	2	0.2	66	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	92589	PASS
199	198	5	9	7.7	7122	PASS
365	198	1	100	5.6	5213	PASS
441	443	0.01	150	84.2	16956	PASS
442	442	100	100	100.0	105680	PASS
443	442	15	24	19.1	20135	PASS

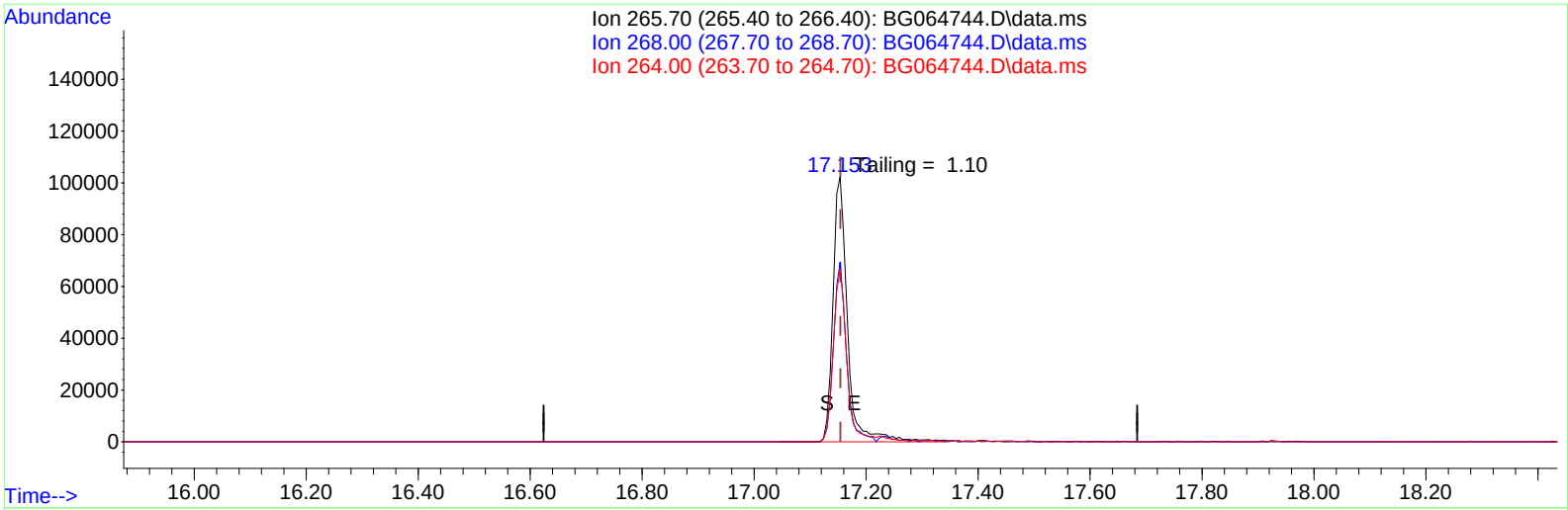
Quantitation Report (Qedit)

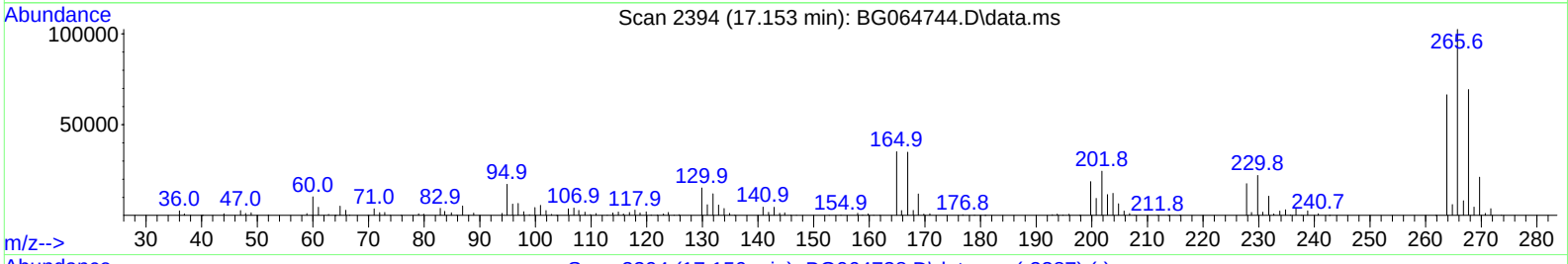
Sample Results: **BG064744.D**

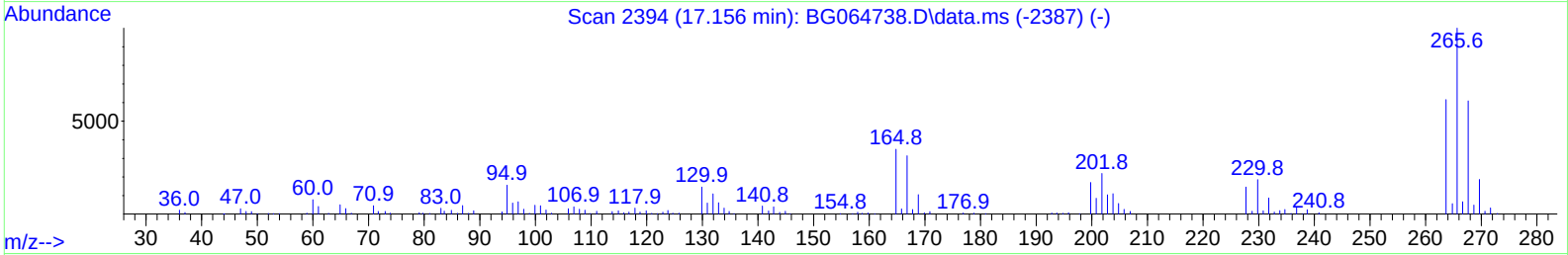
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:53:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 01:10:41 2025
Response via : Initial Calibration







TIC: BG064744.D\data.ms

(70) Pentachlorophenol (C)

17.153min (-0.001) 31332.04 ng

response 182303

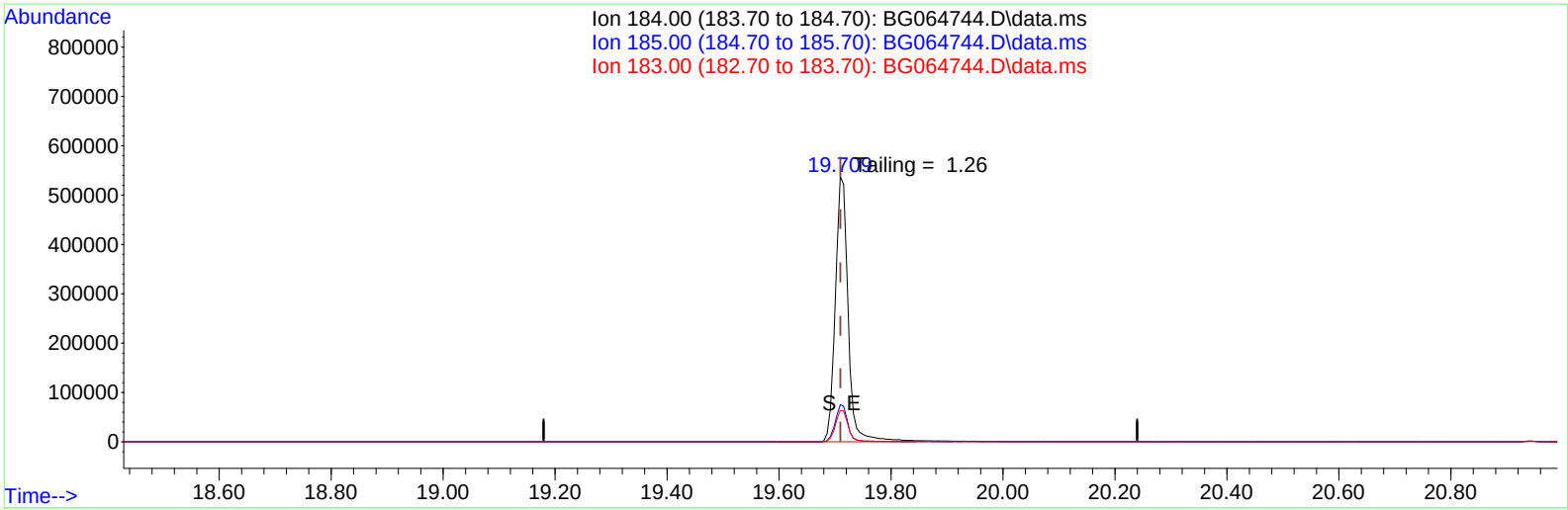
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.80	72.31
264.00	61.60	64.88
0.00	0.00	0.00

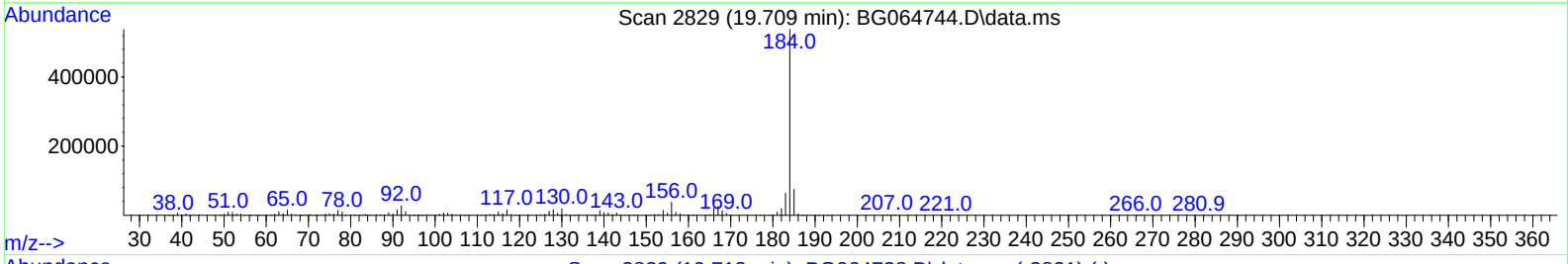
Sample Results: **BG064744.D**

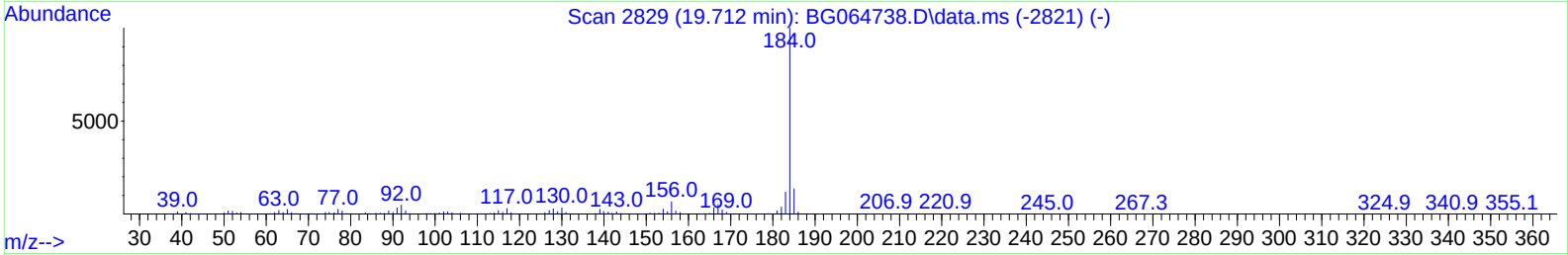
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111225\
Data File : BG064744.D
Acq On : 12 Nov 2025 10:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:53:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 01:10:41 2025
Response via : Initial Calibration







TIC: BG064744.D\data.ms

(77) Benzidine

19.709min (-0.000) 0.00 ng

response 866225

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.60	14.01
183.00	11.80	11.91
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/12/2025	BNA_G	BG064744.D
Compound Name	**Response**	**Retention Time**
DDT	495175	20.943
DDD	6870	20.502
DDE	65	19.275
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6935	502110	1.38

Instrument :
BNA_G
ClientSampleId :
DFTPP

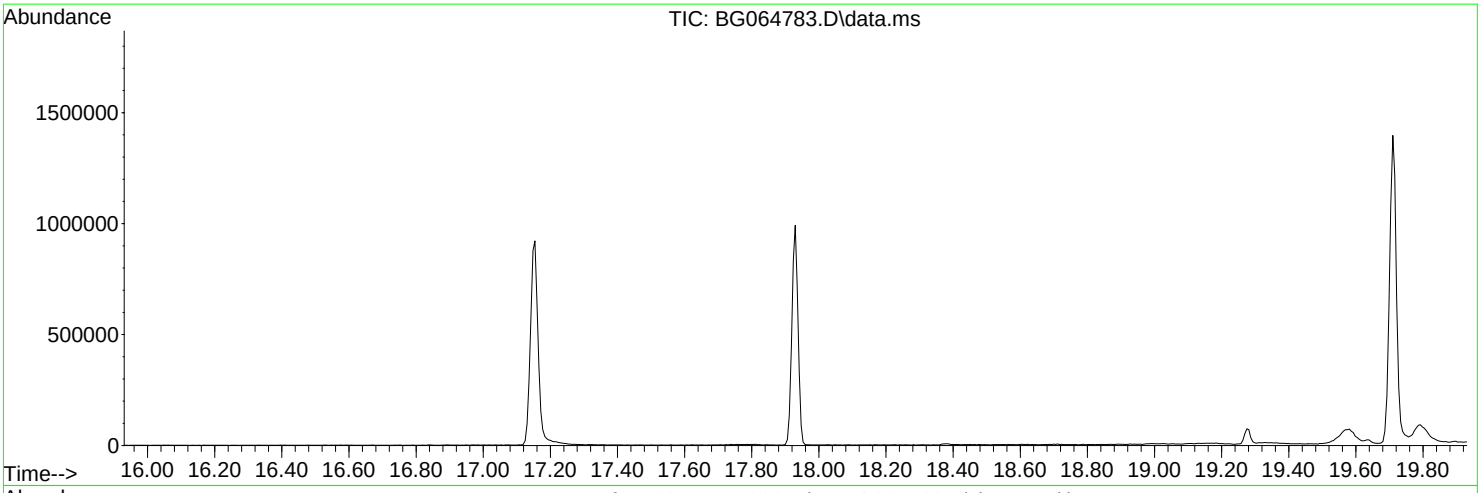
Sample Results: **BG064783.D**

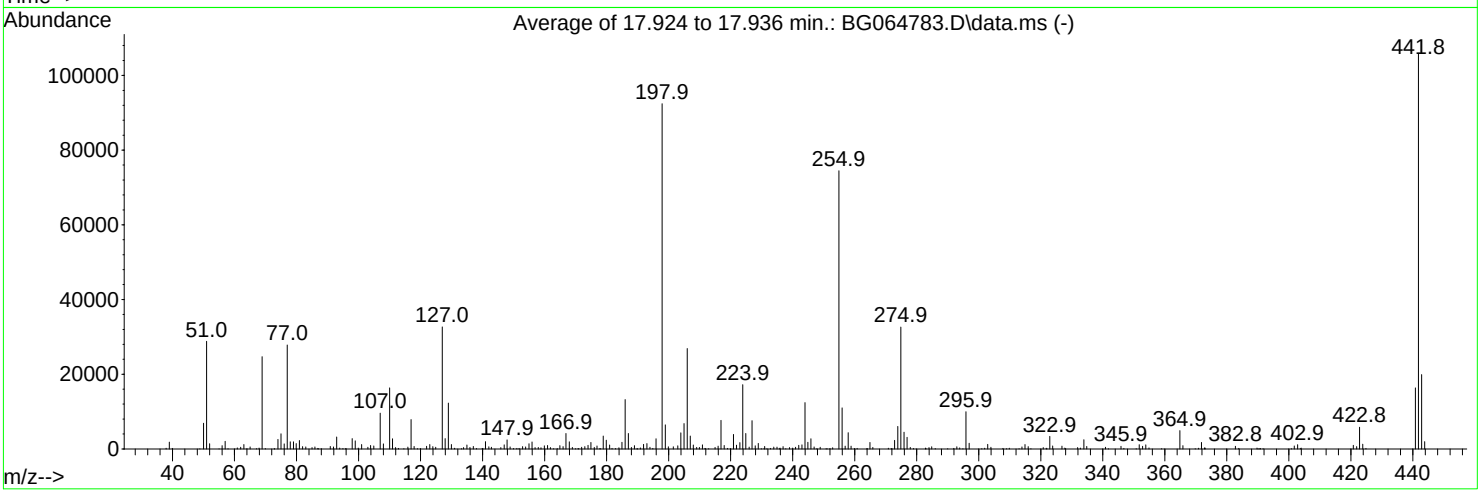
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064783.D
Acq On : 17 Nov 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 12 17:10:56 2025





AutoFind: Scans 2525, 2526, 2527; Background Corrected with Scan 2518

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.9	220	PASS
69	69	100	100	100.0	24677	PASS
70	69	0.00	2	0.5	129	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	92429	PASS
199	198	5	9	7.0	6451	PASS
365	198	1	100	5.3	4890	PASS
441	443	0.01	150	82.0	16332	PASS
442	442	100	100	100.0	105707	PASS
443	442	15	24	18.8	19907	PASS

Raw Data: **BF144264.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/17/25 13:21	PB170576
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/17/25 13:21	PB170576
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/17/25 13:21	PB170576
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/17/25 13:21	PB170576
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/17/25 13:21	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/17/25 13:21	PB170576
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/17/25 13:21	PB170576
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	11/17/25 13:21	PB170576
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/17/25 13:21	PB170576
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/17/25 13:21	PB170576
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/17/25 13:21	PB170576
88-75-5	2-Nitrophenol	58.1	U	1	58.1	170	ug/Kg	11/17/25 13:21	PB170576
105-67-9	2,4-Dimethylphenol	64.7	U	1	64.7	170	ug/Kg	11/17/25 13:21	PB170576
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/17/25 13:21	PB170576
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/17/25 13:21	PB170576
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
105-60-2	Caprolactam	52.0	U	1	52.0	330	ug/Kg	11/17/25 13:21	PB170576
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/17/25 13:21	PB170576
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/17/25 13:21	PB170576
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/17/25 13:21	PB170576
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/17/25 13:21	PB170576
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/17/25 13:21	PB170576
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/17/25 13:21	PB170576
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/17/25 13:21	PB170576
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/17/25 13:21	PB170576
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/17/25 13:21	PB170576
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/17/25 13:21	PB170576
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/17/25 13:21	PB170576
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/17/25 13:21	PB170576
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/17/25 13:21	PB170576
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/17/25 13:21	PB170576
121-14-2	2,4-Dinitrotoluene	50.0	U	1	50.0	170	ug/Kg	11/17/25 13:21	PB170576
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/17/25 13:21	PB170576
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/17/25 13:21	PB170576
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
100-01-6	4-Nitroaniline	64.1	U	1	64.1	170	ug/Kg	11/17/25 13:21	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/17/25 13:21	PB170576

Raw Data: **BF144264.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/17/25 13:21	PB170576
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/17/25 13:21	PB170576
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/17/25 13:21	PB170576
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/17/25 13:21	PB170576
87-86-5	Pentachlorophenol	51.2	U	1	51.2	330	ug/Kg	11/17/25 13:21	PB170576
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/17/25 13:21	PB170576
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/17/25 13:21	PB170576
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/17/25 13:21	PB170576
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/17/25 13:21	PB170576
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/17/25 13:21	PB170576
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/17/25 13:21	PB170576
85-68-7	Butylbenzylphthalate	71.3	U	1	71.3	170	ug/Kg	11/17/25 13:21	PB170576
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/17/25 13:21	PB170576
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/17/25 13:21	PB170576
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/17/25 13:21	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	1	59.1	170	ug/Kg	11/17/25 13:21	PB170576
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	11/17/25 13:21	PB170576
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/17/25 13:21	PB170576
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/17/25 13:21	PB170576
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/17/25 13:21	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/17/25 13:21	PB170576
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/17/25 13:21	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/17/25 13:21	PB170576
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/17/25 13:21	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/17/25 13:21	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	125			30 (10) - 130 (105)	83%	SPK: 150		
13127-88-3	Phenol-d6	124			30 (10) - 130 (103)	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	89.2			30 (10) - 130 (108)	89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.9			30 (10) - 130 (108)	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	142			30 (10) - 130 (116)	94%	SPK: 150		
1718-51-0	Terphenyl-d14	98.3			30 (10) - 130 (109)	98%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	66300							
1146-65-2	Naphthalene-d8	255000							
15067-26-2	Acenaphthene-d10	147000							
1517-22-2	Phenanthrene-d10	272000							
1719-03-5	Chrysene-d12	161000							
1520-96-3	Perylene-d12	184000							
TENTATIVE IDENTIFIED COMPOUNDS									
000630-04-6	Hentriacontane	78.6	J			16.0	ug/Kg		
000630-01-3	Hexacosane	94.2	J			16.5	ug/Kg		

Raw Data: **BF144264.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BL			SDG No.:	Q3649
Lab Sample ID:	PB170576BL			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
007098-22-8	Tetratetracontane	76.3	J			17.1	ug/Kg		
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	190	J			17.2	ug/Kg		
000629-99-2	Pentacosane	79.3	J			17.8	ug/Kg		

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\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	66285	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	255338	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	147126	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	272429	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161260	20.000	ng	0.00
86) Perylene-d12	15.527	264	184176	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529027	124.894	ng	0.00
7) Phenol-d6	6.498	99	597166	124.422	ng	0.00
23) Nitrobenzene-d5	7.428	82	394203	89.165	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	261487	141.631	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	846170	84.943	ng	0.00
79) Terphenyl-d14	12.986	244	997522	98.256	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
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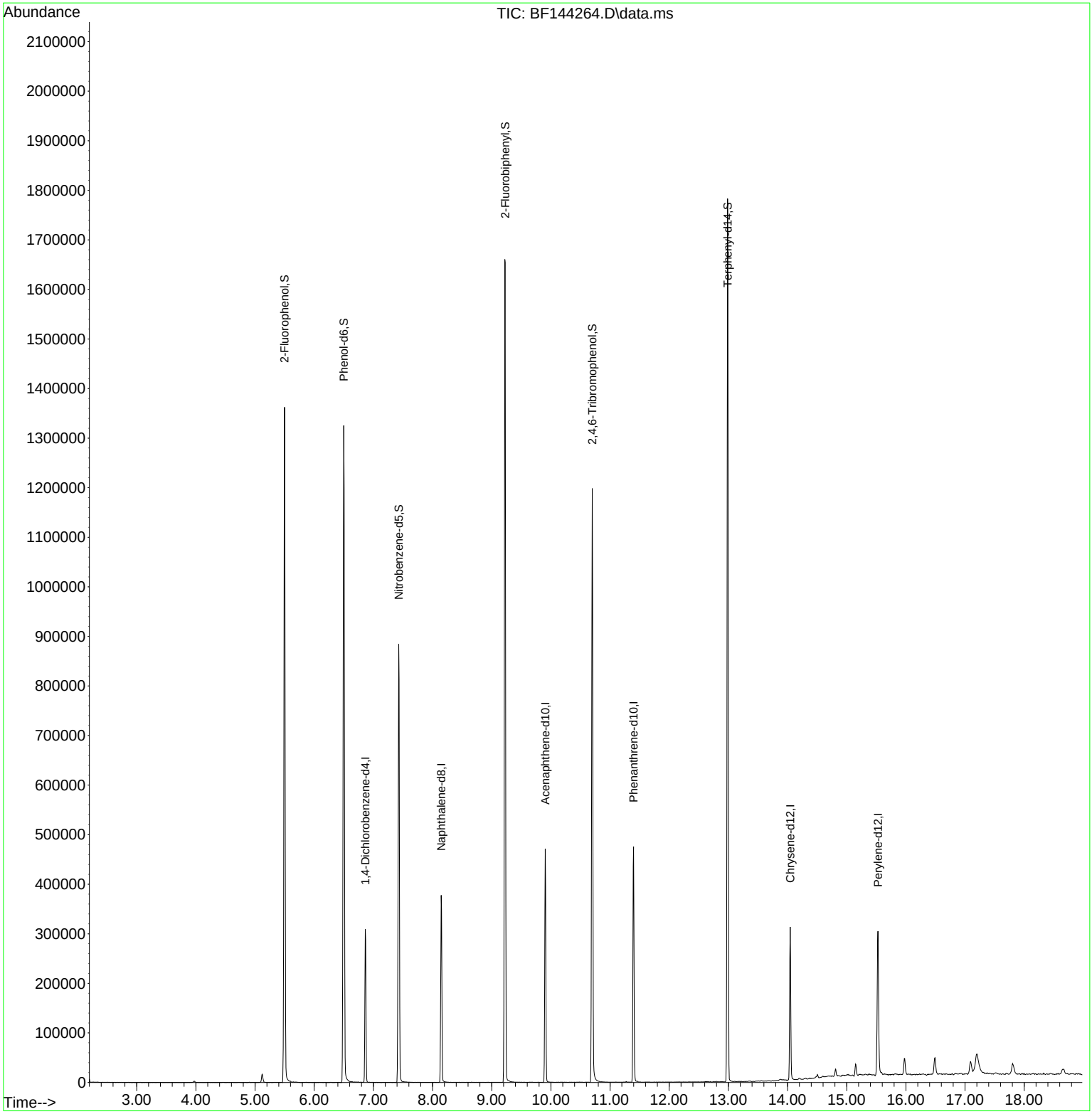
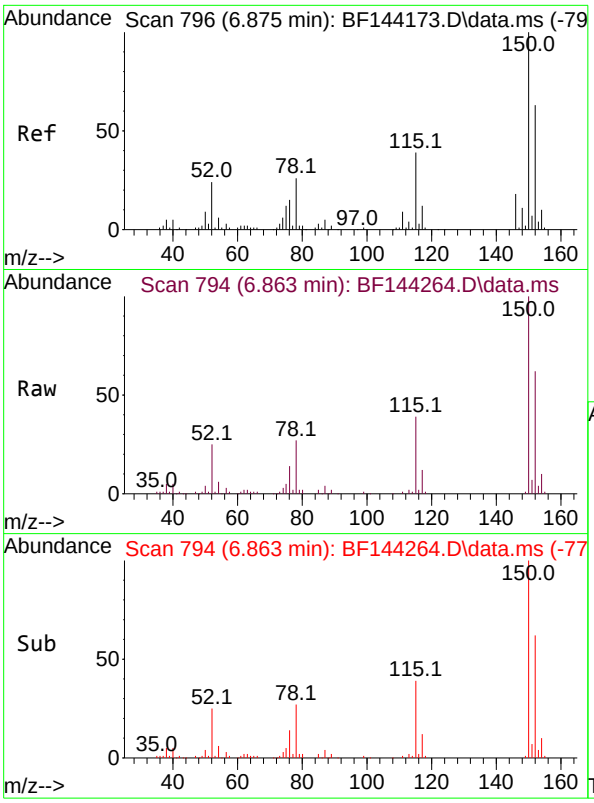


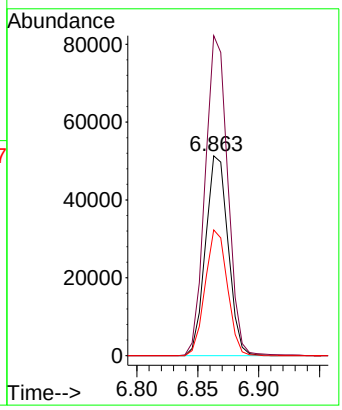


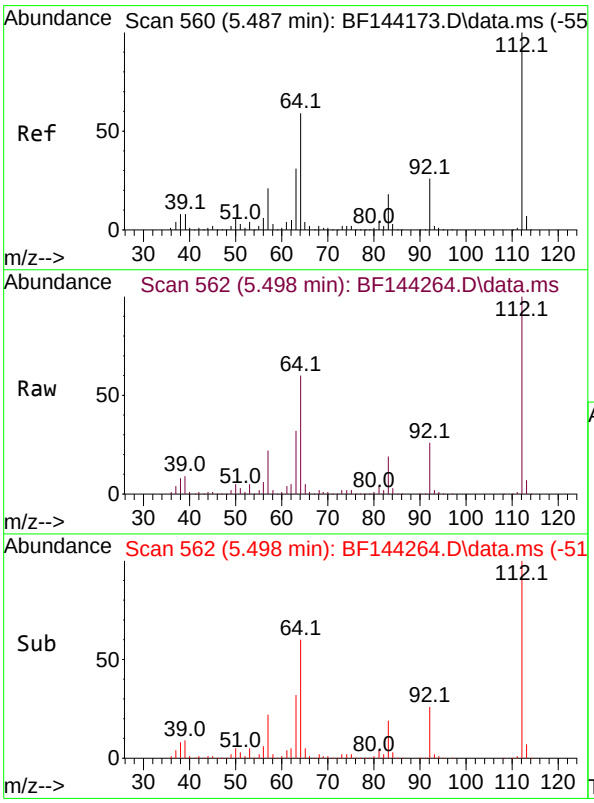
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:152 Resp: 66285

Ion	Ratio	Lower	Upper
152	100		
150	160.2	127.4	191.0
115	62.9	49.5	74.3

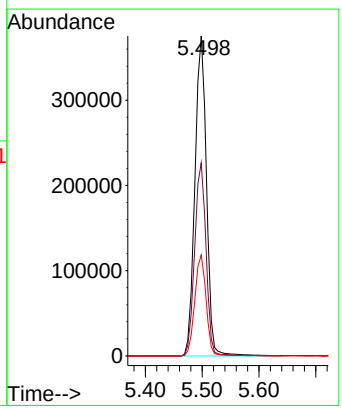


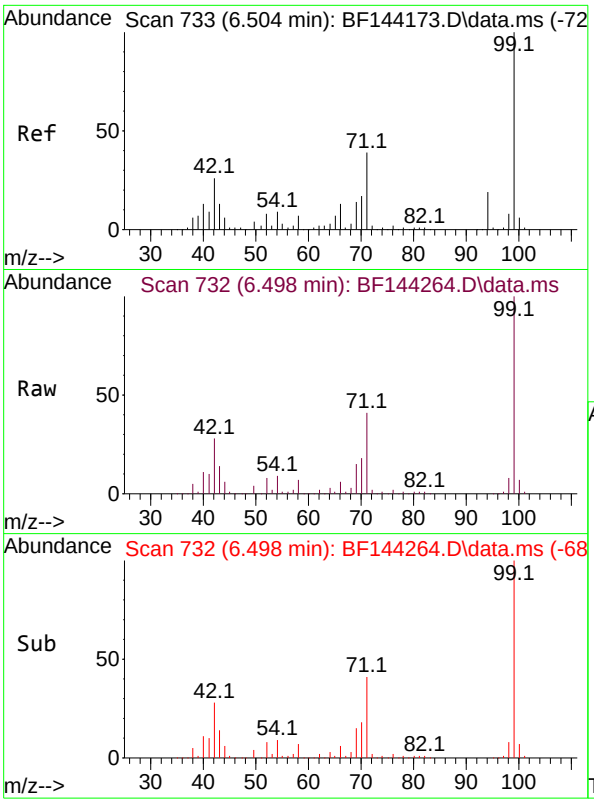


#5
2-Fluorophenol
Concen: 124.894 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:112 Resp: 529027

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.2	70.8
63	31.6	24.4	36.6



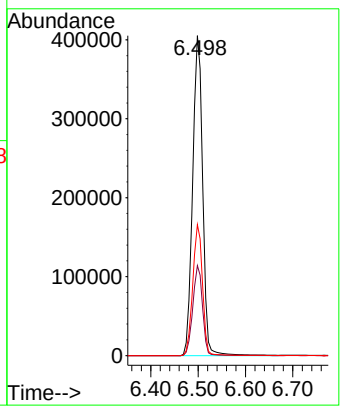


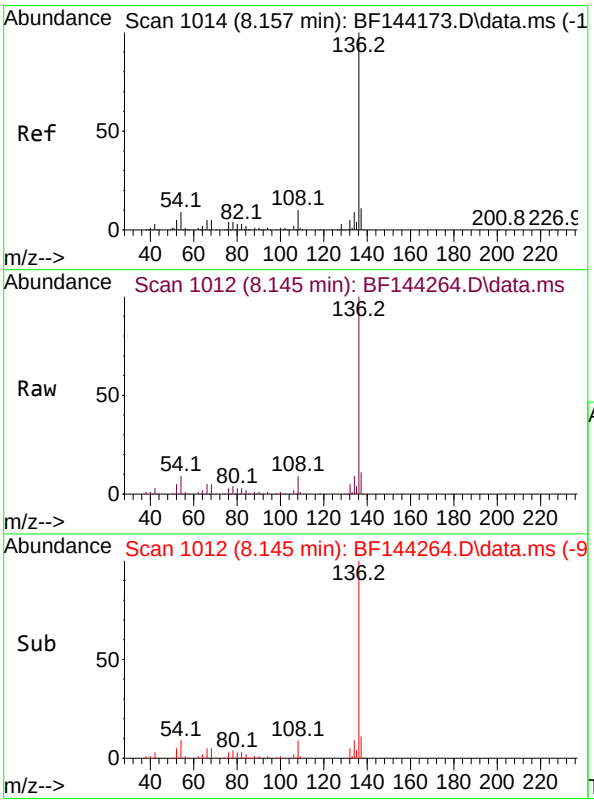
#7
Phenol-d6
Concen: 124.422 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 99 Resp: 597166

Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.9	31.3
71	40.9	31.4	47.2

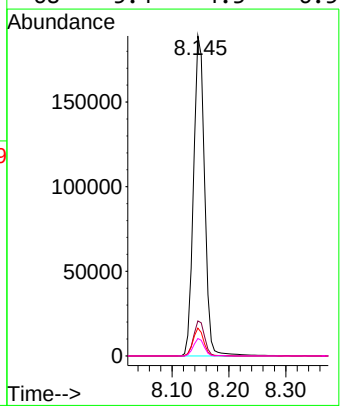


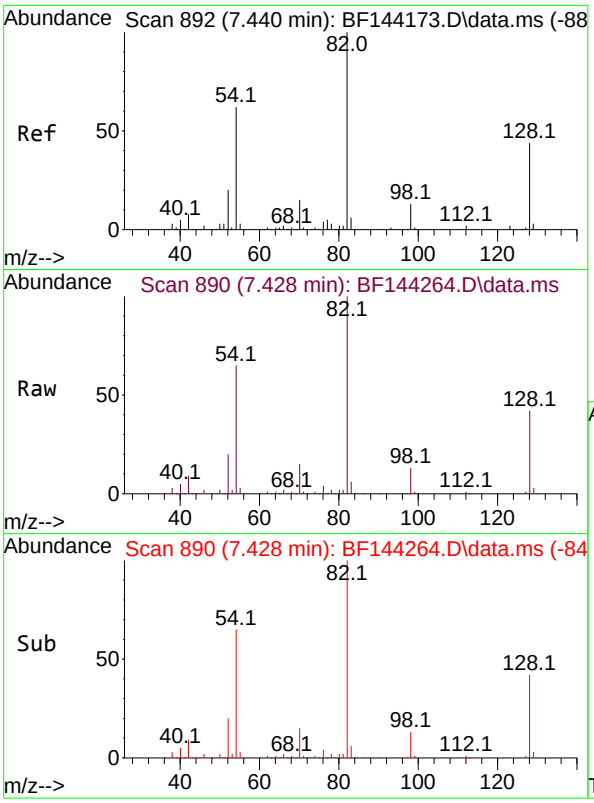


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:136 Resp: 255338

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.6
68	5.4	4.3	6.5



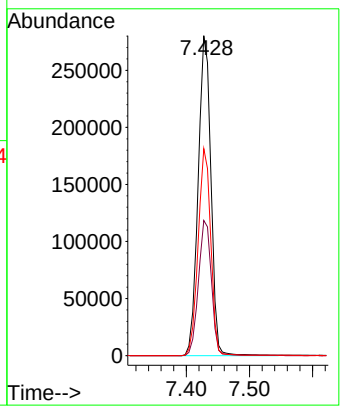


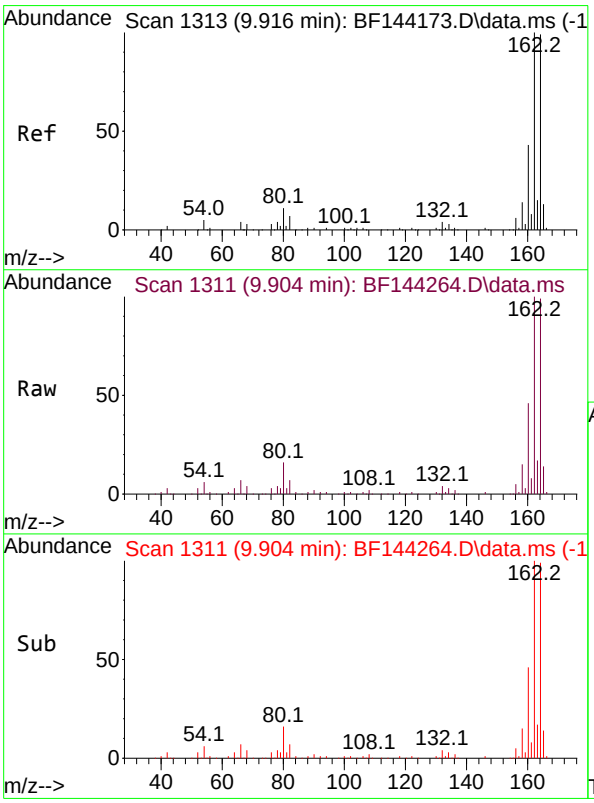
#23
Nitrobenzene-d5
Concen: 89.165 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion: 82 Resp: 394203

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.7	52.1
54	64.7	49.5	74.3

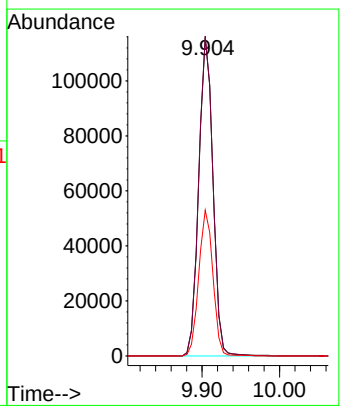


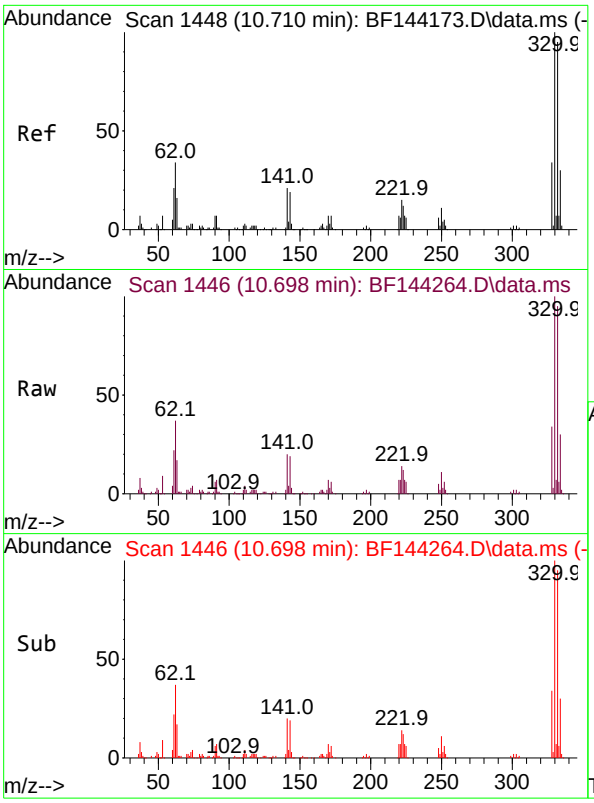


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:164 Resp: 147126

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.1	121.7
160	45.8	34.5	51.7



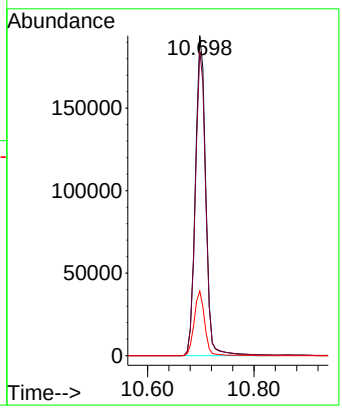


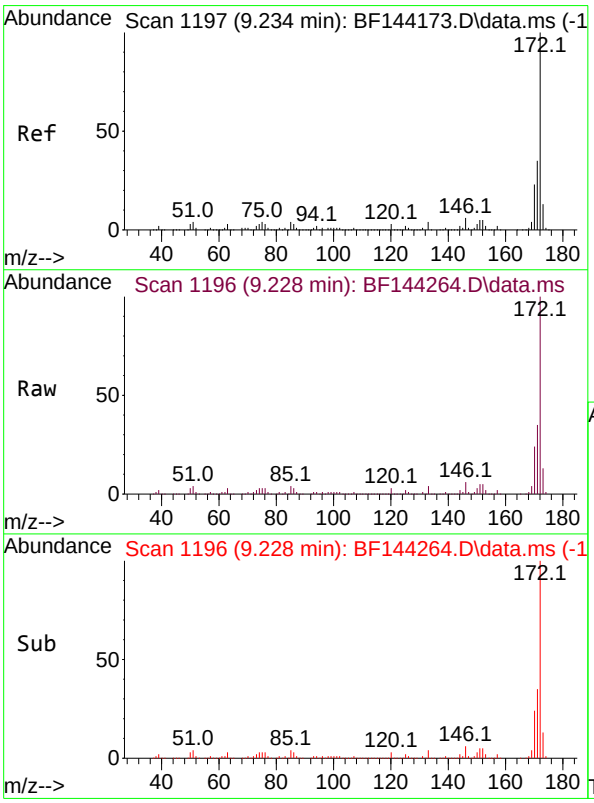
#42
2,4,6-Tribromophenol
Concen: 141.631 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:330 Resp: 261487

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	20.5	17.8	26.8

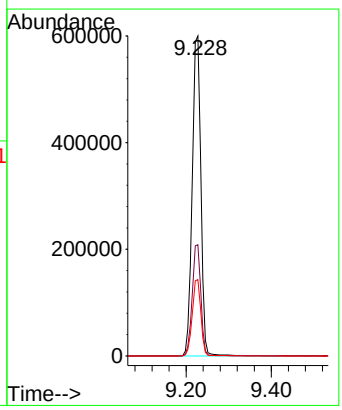


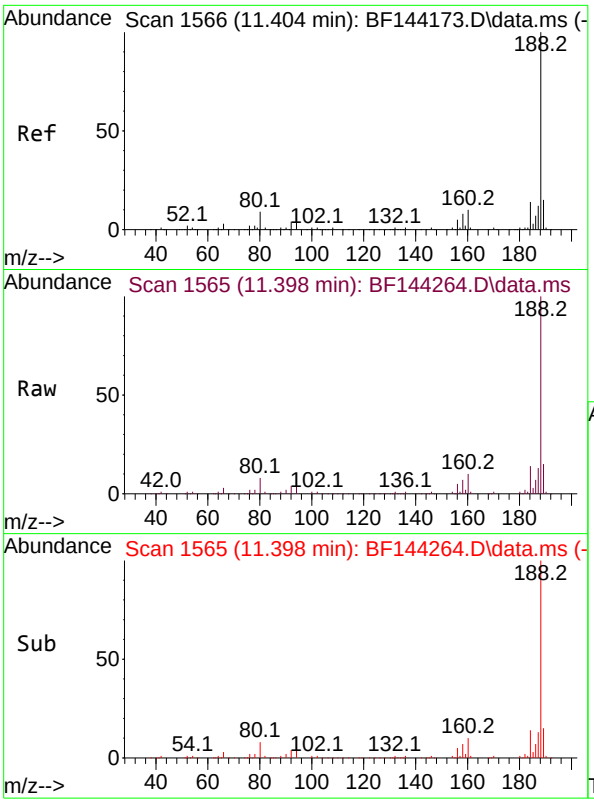


#45
2-Fluorobiphenyl
Concen: 84.943 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:172 Resp: 846170

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.8	18.6	28.0



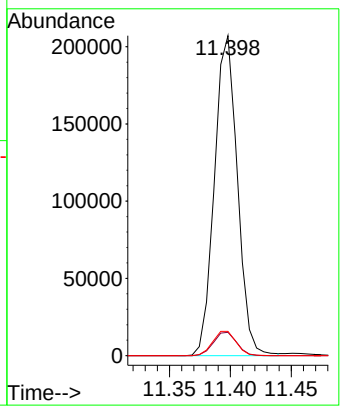


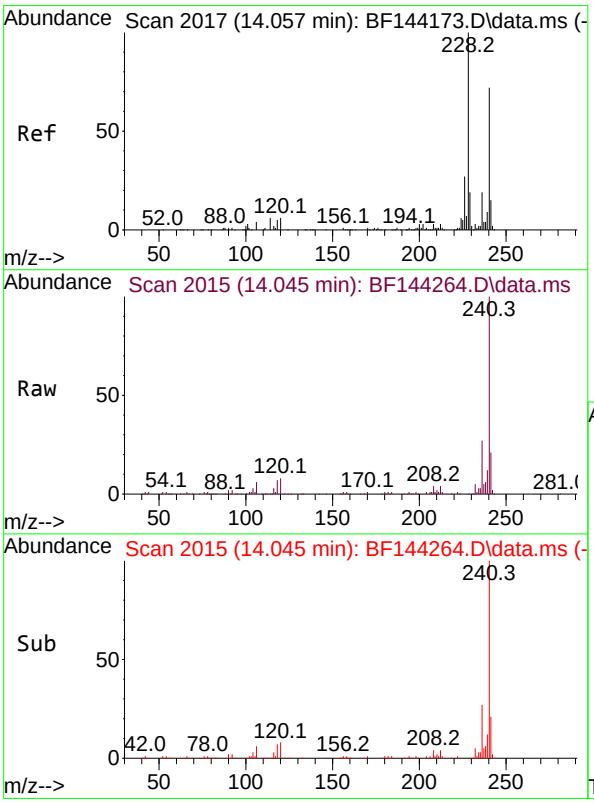
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:188 Resp: 272429

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.6	6.9	10.3

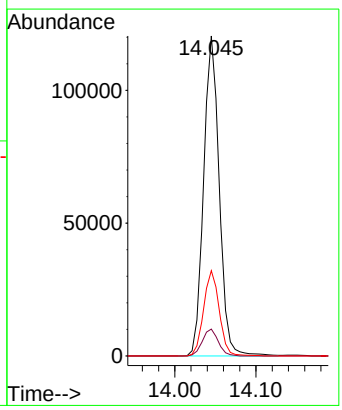


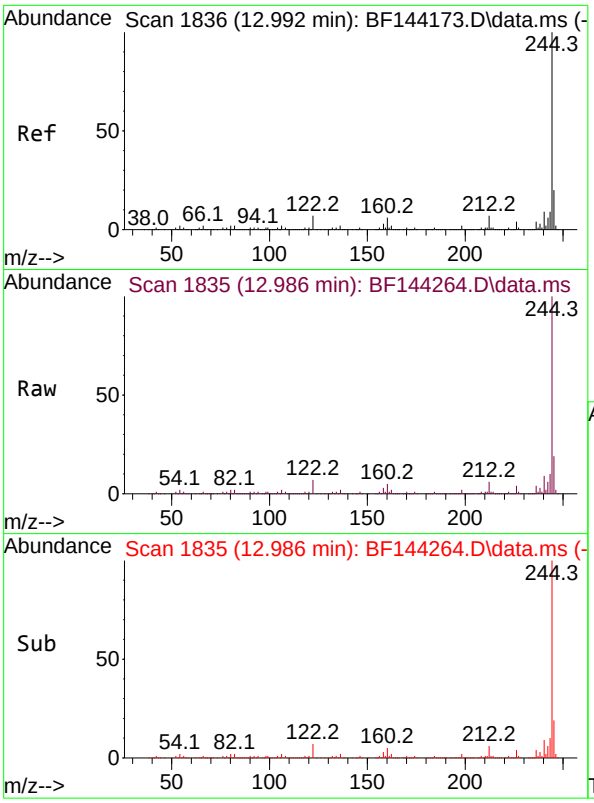


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:240 Resp: 161260

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.6	10.0
236	26.6	21.4	32.2



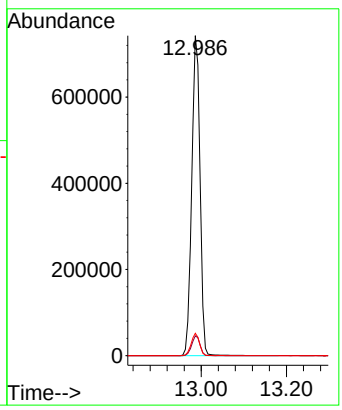


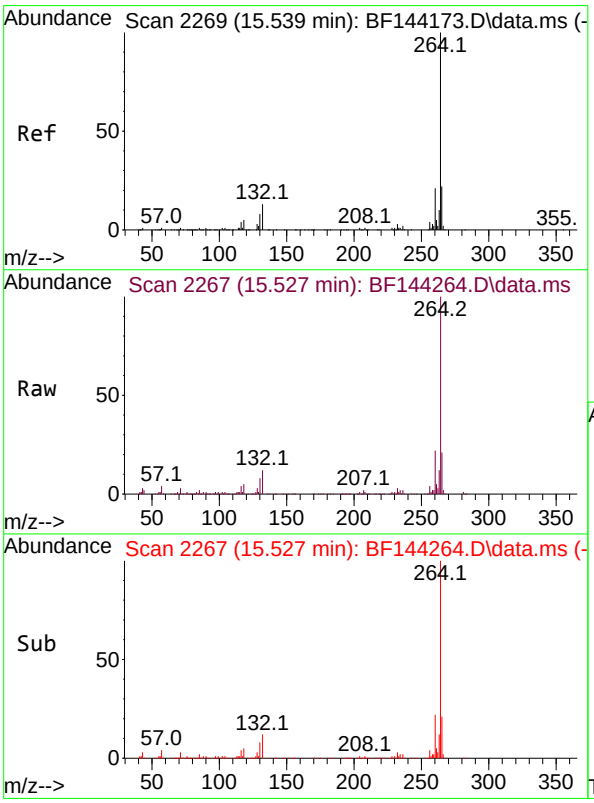
#79
Terphenyl-d14
Concen: 98.256 ng
RT: 12.986 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Tgt Ion:244 Resp: 997522

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.0	5.6	8.4

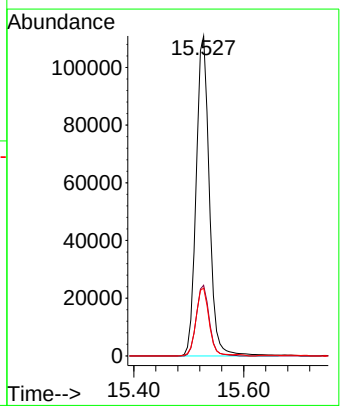




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:264 Resp: 184176

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	21.2	17.4	26.0



Sample Results: **BF144264.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

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-BF110525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF144264.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	488	498	506	rBV	16649	29401	1.24%	0.198%
2	5.498	556	562	577	rBV	1362420	1892542	79.91%	12.770%
3	6.498	726	732	749	rBV	1325354	1921481	81.13%	12.965%
4	6.863	789	794	804	rVB	309009	390416	16.48%	2.634%
5	7.428	884	890	910	rBV	884059	1237167	52.24%	8.348%
6	8.145	1007	1012	1031	rBV	377566	498772	21.06%	3.366%
7	9.222	1189	1195	1201	rBV	1660214	2312243	97.63%	15.602%
8	9.904	1306	1311	1326	rBV	470800	592943	25.04%	4.001%
9	10.698	1440	1446	1470	rBV	1198056	1615693	68.22%	10.902%
10	11.398	1559	1565	1572	rBV	475378	621935	26.26%	4.197%
11	12.986	1829	1835	1840	rBV	1781245	2368326	100.00%	15.981%
12	14.045	2010	2015	2028	rBV	308192	405902	17.14%	2.739%
13	15.151	2198	2203	2210	rBV	24347	41820	1.77%	0.282%
14	15.527	2260	2267	2276	rBV	291120	500472	21.13%	3.377%
15	15.974	2338	2343	2350	rVB	32424	59125	2.50%	0.399%
16	16.492	2425	2431	2440	rVB2	33793	70746	2.99%	0.477%
17	17.092	2527	2533	2540	rBV3	23453	57332	2.42%	0.387%
18	17.203	2545	2552	2568	rVB	37557	144263	6.09%	0.973%
19	17.803	2649	2654	2667	rVB3	21671	59449	2.51%	0.401%

Sum of corrected areas: 14820028

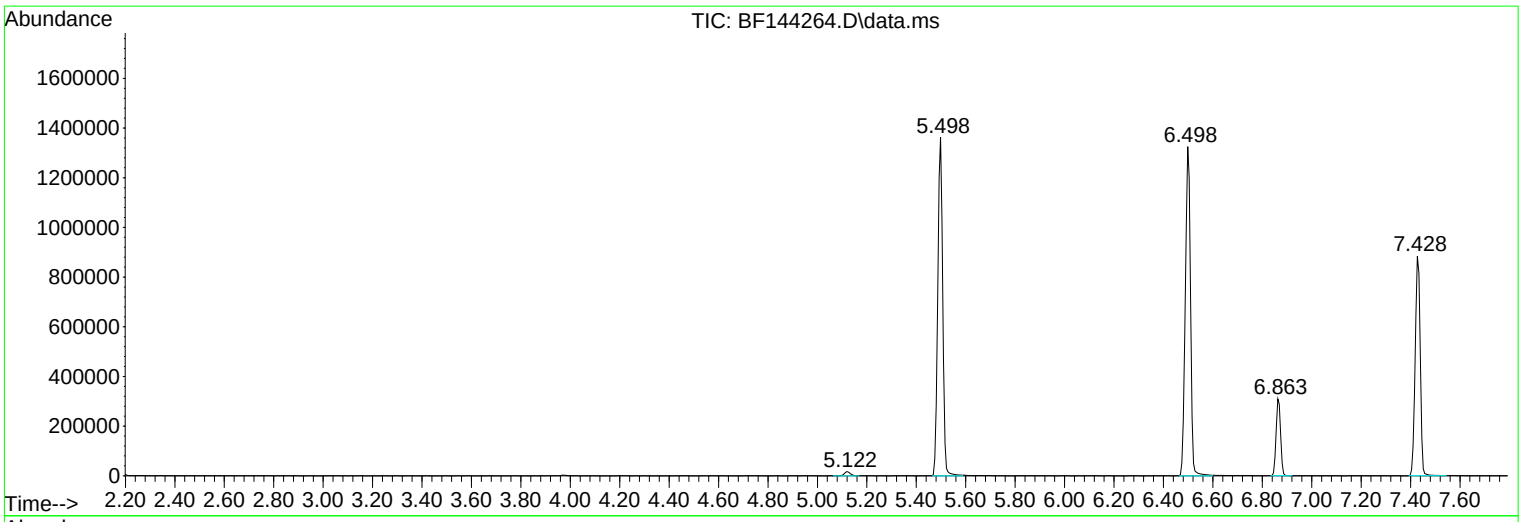
Sample Results: **BF144264.D**

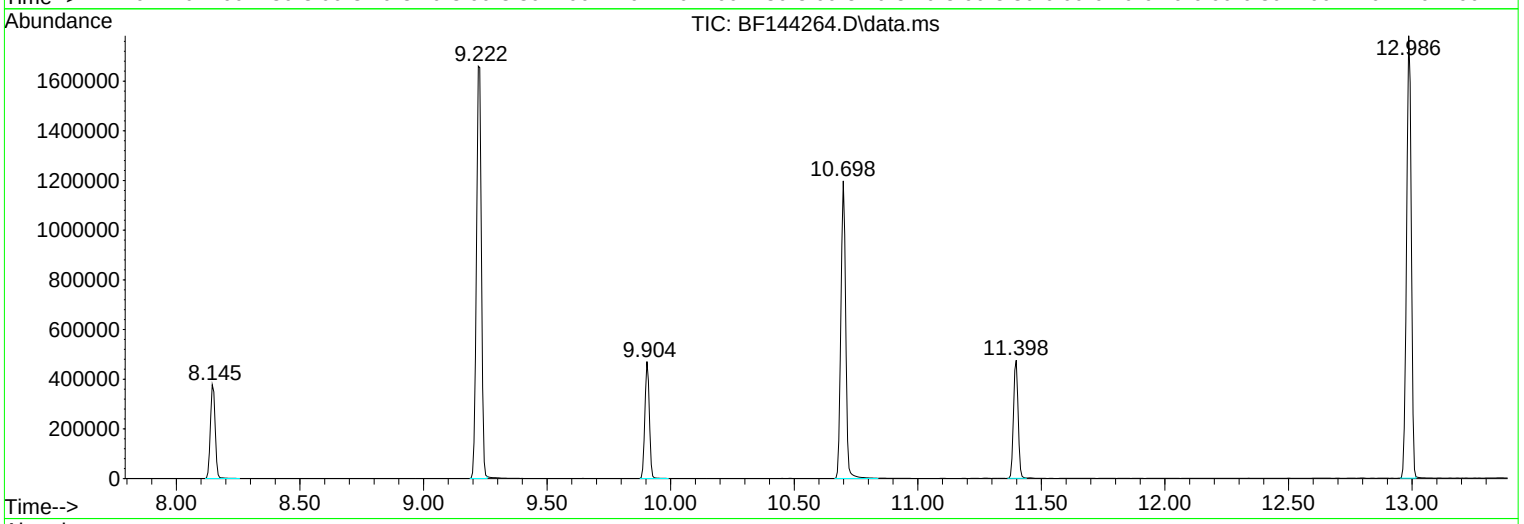
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

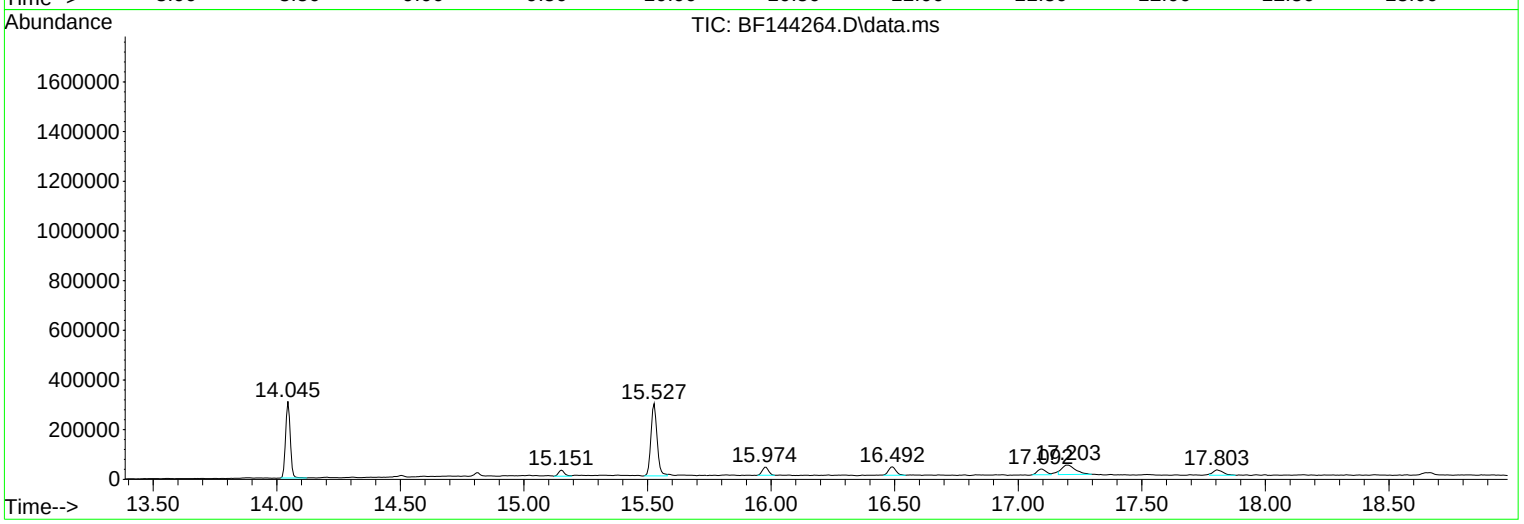
Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

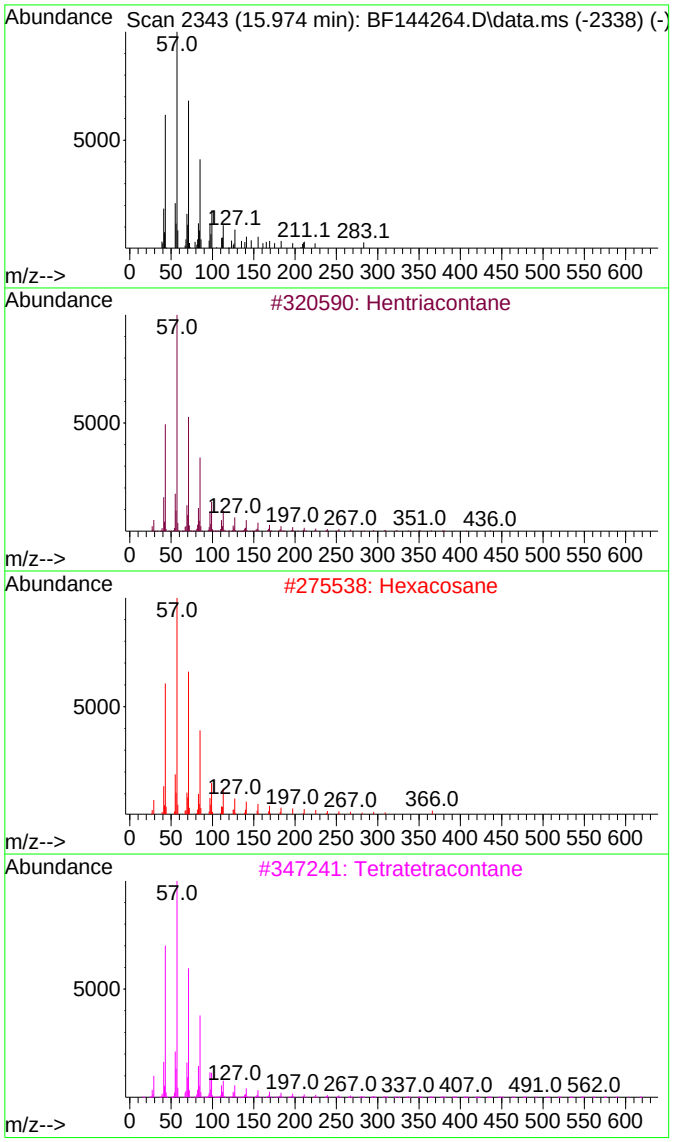
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

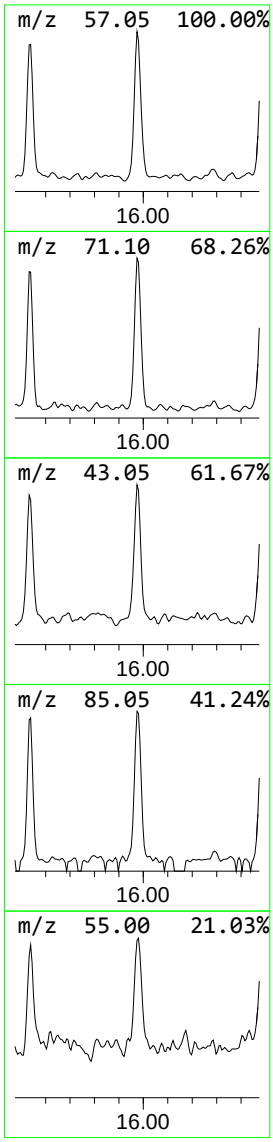
****

Peak Number 1 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.974	2.36 ng	59125	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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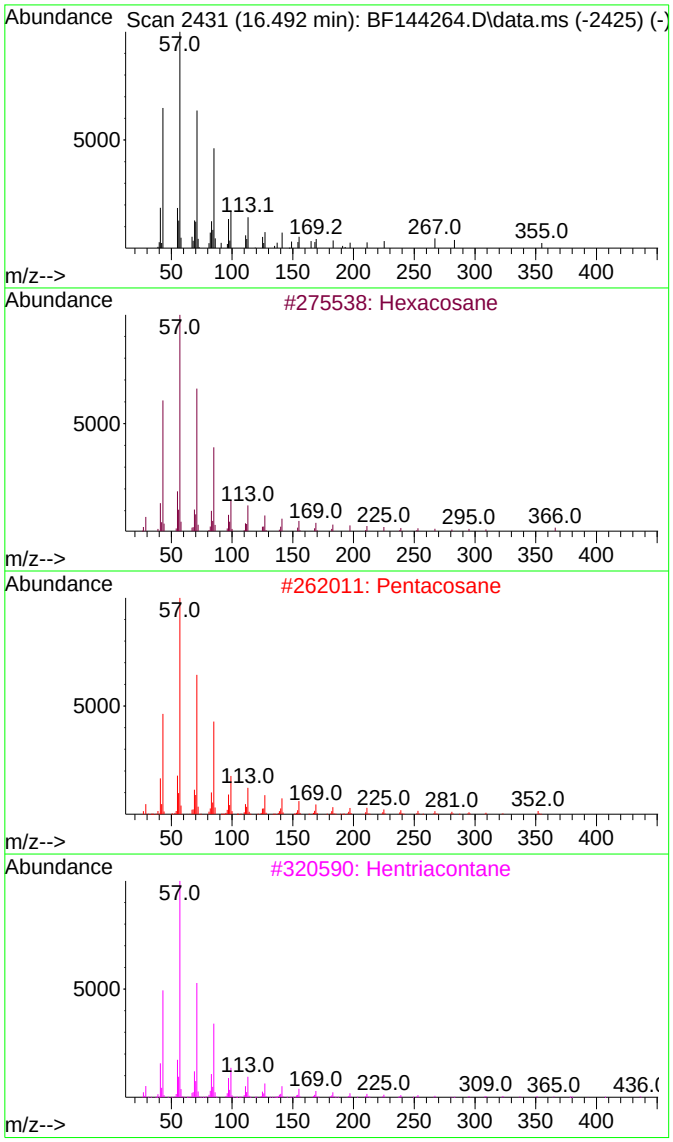
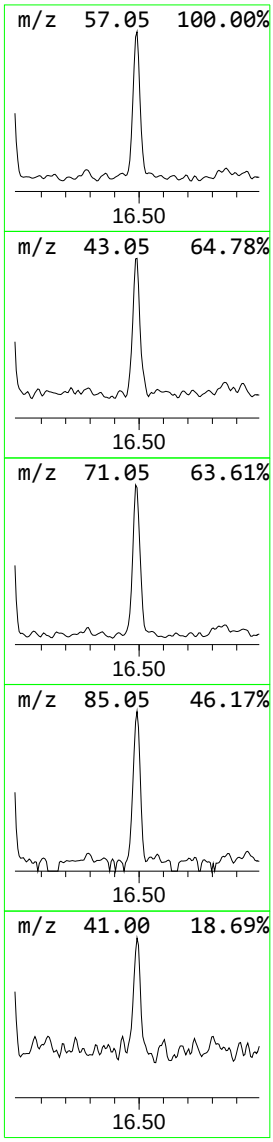
Peak Number 2 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.492	2.83 ng	70746	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Pentacosane	352	C25H52	000629-99-2	90
3	Hentriacontane	437	C31H64	000630-04-6	90
4	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	87
5	Octacosane	394	C28H58	000630-02-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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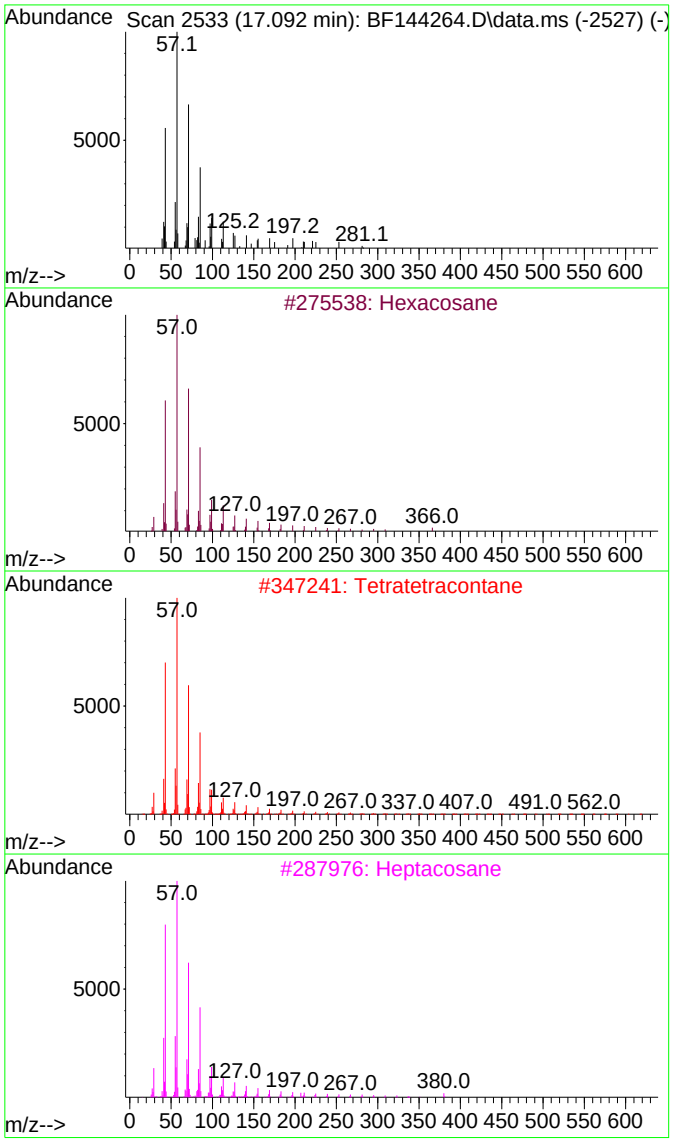
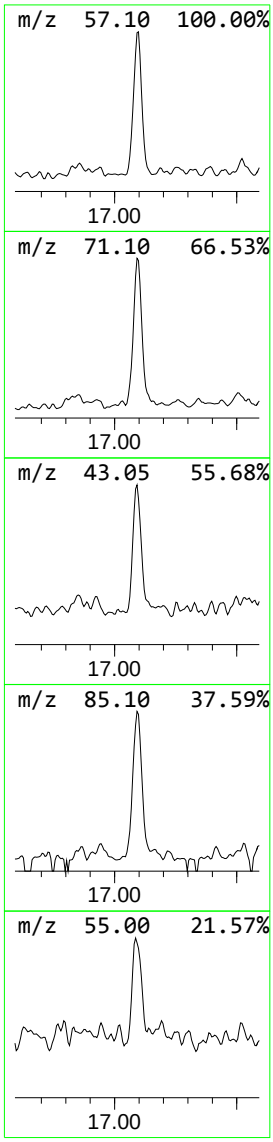
Peak Number 3 Tetratetracontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	2.29 ng	57332	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Tetratetracontane	619	C44H90	007098-22-8	86
3	Heptacosane	380	C27H56	000593-49-7	86
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Octacosane, 2-methyl-	408	C29H60	001560-98-1	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

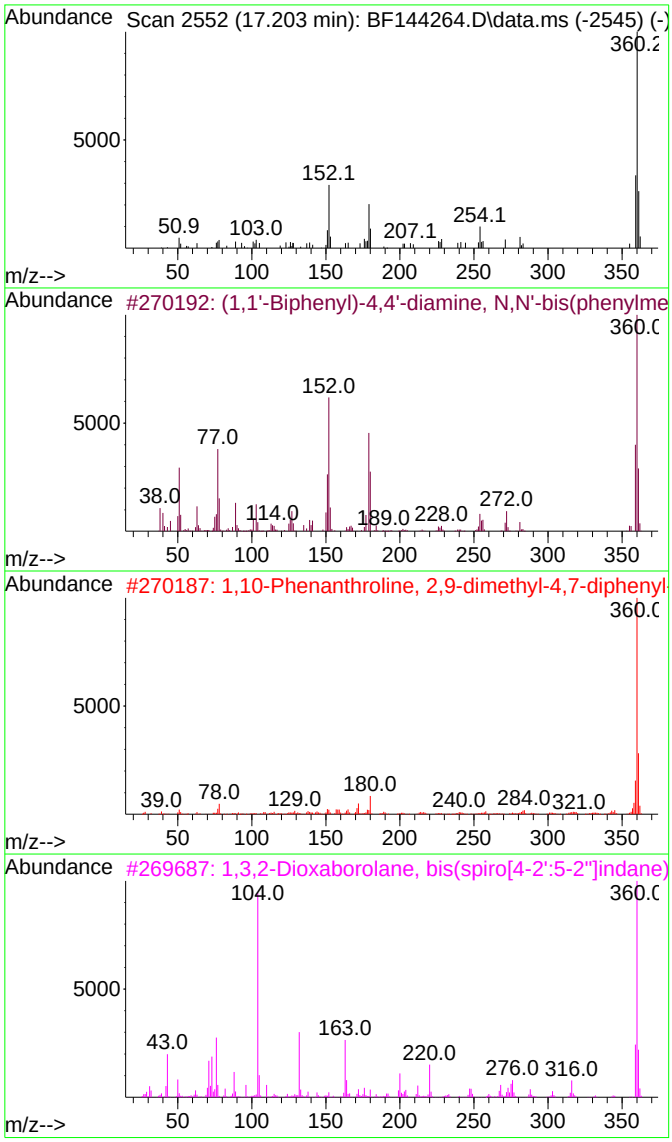
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

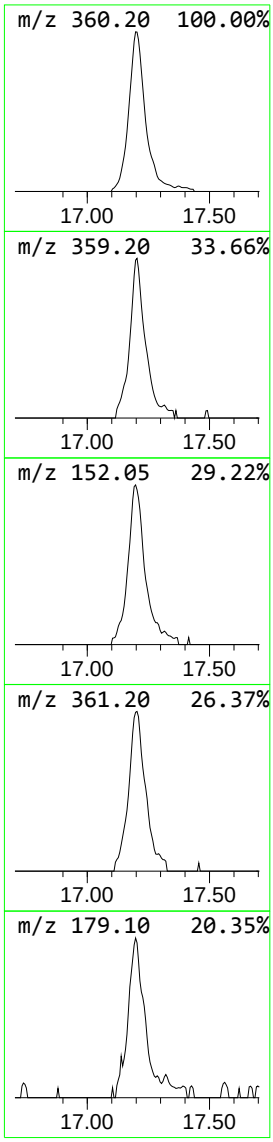
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.203	5.77 ng	144263	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3	1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13BO6	1000150-23-7	50
4	Jaceidin	360	C18H16O8	010173-01-0	50
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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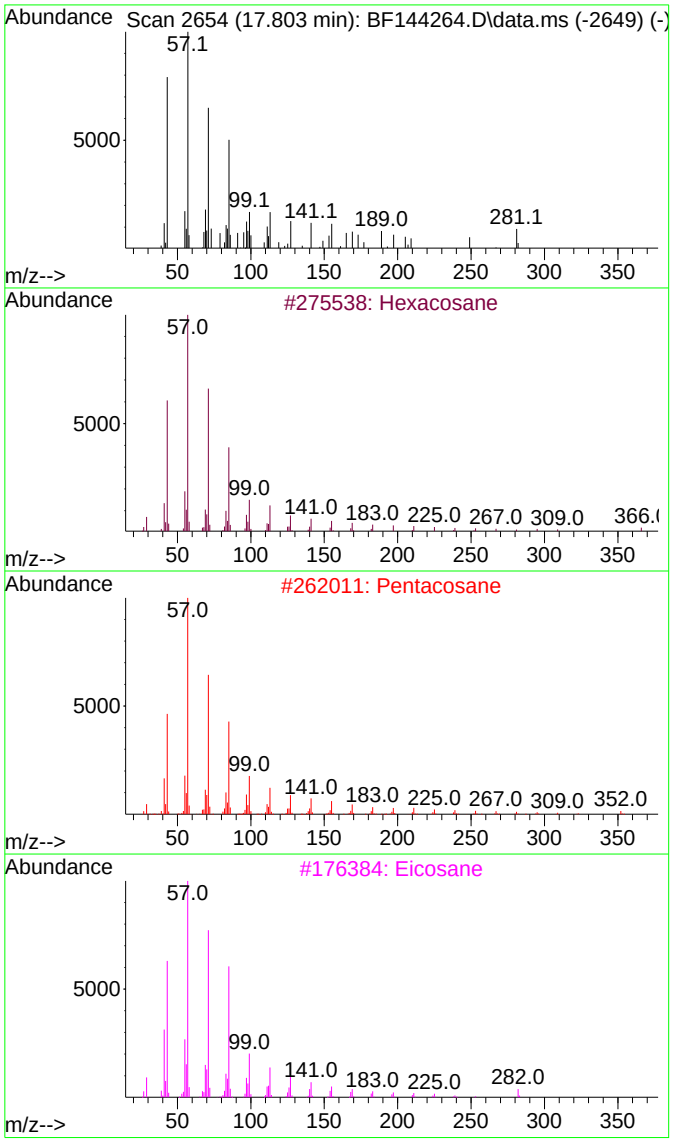
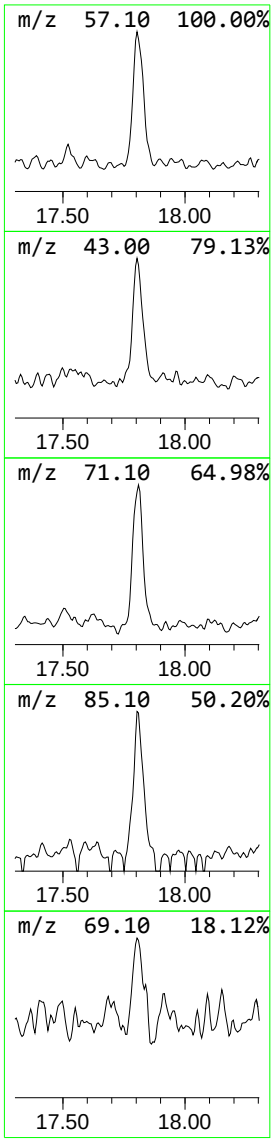
Peak Number 5 Pentacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.804	2.38 ng	59449	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Pentacosane	352	C25H52	000629-99-2	83
3	Eicosane	282	C20H42	000112-95-8	81
4	Octacosane	394	C28H58	000630-02-4	80
5	Tetracosane	338	C24H50	000646-31-1	80





Sample Results: **BF144264.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
Acq On : 17 Nov 2025 13:21
Operator : RC/JU
Sample : PB170576BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170576BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.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
Hentriacontane	15.974	2.4	ng	59125	6	15.527	500472	20.0
Hexacosane	16.492	2.8	ng	70746	6	15.527	500472	20.0
Tetratetracontane	17.092	2.3	ng	57332	6	15.527	500472	20.0
(1,1'-Biphenyl)...	17.203	5.8	ng	144263	6	15.527	500472	20.0
Pentacosane	17.804	2.4	ng	59449	6	15.527	500472	20.0

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	890		1	160	330	ug/Kg	11/17/25 13:52	PB170576
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	11/17/25 13:52	PB170576
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	11/17/25 13:52	PB170576
95-57-8	2-Chlorophenol	1400		1	24.4	170	ug/Kg	11/17/25 13:52	PB170576
95-48-7	2-Methylphenol	1400		1	29.9	170	ug/Kg	11/17/25 13:52	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	37.5	170	ug/Kg	11/17/25 13:52	PB170576
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	11/17/25 13:52	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	11/17/25 13:52	PB170576
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	11/17/25 13:52	PB170576
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	11/17/25 13:52	PB170576
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	11/17/25 13:52	PB170576
88-75-5	2-Nitrophenol	1400		1	58.2	170	ug/Kg	11/17/25 13:52	PB170576
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	11/17/25 13:52	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	11/17/25 13:52	PB170576
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
106-47-8	4-Chloroaniline	830		1	35.4	170	ug/Kg	11/17/25 13:52	PB170576
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	11/17/25 13:52	PB170576
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	11/17/25 13:52	PB170576
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
77-47-4	Hexachlorocyclopentadiene	2800	E	1	120	330	ug/Kg	11/17/25 13:52	PB170576
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	11/17/25 13:52	PB170576
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	11/17/25 13:52	PB170576
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	11/17/25 13:52	PB170576
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	11/17/25 13:52	PB170576
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	11/17/25 13:52	PB170576
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	11/17/25 13:52	PB170576
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	11/17/25 13:52	PB170576
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	11/17/25 13:52	PB170576
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	11/17/25 13:52	PB170576
51-28-5	2,4-Dinitrophenol	2500		1	230	330	ug/Kg	11/17/25 13:52	PB170576
100-02-7	4-Nitrophenol	2300		1	110	330	ug/Kg	11/17/25 13:52	PB170576
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/17/25 13:52	PB170576
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	11/17/25 13:52	PB170576
84-66-2	Diethylphthalate	1400		1	28.3	170	ug/Kg	11/17/25 13:52	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	11/17/25 13:52	PB170576
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
100-01-6	4-Nitroaniline	1300		1	64.2	170	ug/Kg	11/17/25 13:52	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	330	ug/Kg	11/17/25 13:52	PB170576

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	11/17/25 13:52	PB170576
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/17/25 13:52	PB170576
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	11/17/25 13:52	PB170576
1912-24-9	Atrazine	1500		1	34.0	170	ug/Kg	11/17/25 13:52	PB170576
87-86-5	Pentachlorophenol	2800	E	1	51.3	330	ug/Kg	11/17/25 13:52	PB170576
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	11/17/25 13:52	PB170576
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/17/25 13:52	PB170576
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	11/17/25 13:52	PB170576
84-74-2	Di-n-butylphthalate	1400		1	47.9	170	ug/Kg	11/17/25 13:52	PB170576
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/17/25 13:52	PB170576
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	11/17/25 13:52	PB170576
85-68-7	Butylbenzylphthalate	1400		1	71.4	170	ug/Kg	11/17/25 13:52	PB170576
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	11/17/25 13:52	PB170576
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	11/17/25 13:52	PB170576
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	11/17/25 13:52	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1300		1	59.2	170	ug/Kg	11/17/25 13:52	PB170576
117-84-0	Di-n-octyl phthalate	1400		1	86.7	330	ug/Kg	11/17/25 13:52	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	19.0	170	ug/Kg	11/17/25 13:52	PB170576
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	11/17/25 13:52	PB170576
50-32-8	Benzo(a)pyrene	1700		1	29.5	170	ug/Kg	11/17/25 13:52	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	11/17/25 13:52	PB170576
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	11/17/25 13:52	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	11/17/25 13:52	PB170576
123-91-1	1,4-Dioxane	1200		1	45.2	170	ug/Kg	11/17/25 13:52	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	11/17/25 13:52	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	115			30 (10) - 130 (105)	77%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.0			30 (10) - 130 (108)	80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.2			30 (10) - 130 (108)	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			30 (10) - 130 (116)	79%	SPK: 150		
1718-51-0	Terphenyl-d14	82.5			30 (10) - 130 (109)	82%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	57500							
1146-65-2	Naphthalene-d8	225000							
15067-26-2	Acenaphthene-d10	127000							
1517-22-2	Phenanthrene-d10	215000							
1719-03-5	Chrysene-d12	128000							
1520-96-3	Perylene-d12	154000							

Raw Data: **BF144265.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	
Project:	PVWC Linear Construction			Date Received:	
Client Sample ID:	PB170576BS			SDG No.:	Q3649
Lab Sample ID:	PB170576BS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BF144265.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay
11/18/2025
Supervised By :Sohil Sodhani
11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57508	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	224965	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	126893	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	214778	20.000	ng	0.00
76) Chrysene-d12	14.045	240	127678	20.000	ng	0.00
86) Perylene-d12	15.527	264	154286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	421874	114.798	ng	0.00
7) Phenol-d6	6.504	99	478765	114.978	ng	0.00
23) Nitrobenzene-d5	7.434	82	311496	79.970	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	188405	118.318	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	680168	79.166	ng	0.00
79) Terphenyl-d14	12.986	244	663126	82.498	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	56543	37.216	ng	98
3) Pyridine	3.463	79	148748	35.092	ng	99
4) n-Nitrosodimethylamine	3.404	42	99331	44.863	ng	97
6) Aniline	6.534	93	186036	31.358	ng	98
8) 2-Chlorophenol	6.651	128	154455	42.857	ng	100
9) Benzaldehyde	6.422	77	63023	26.803	ng	99
10) Phenol	6.516	94	207073	40.702	ng	90
11) bis(2-Chloroethyl)ether	6.604	93	159489	43.023	ng	99
12) 1,3-Dichlorobenzene	6.810	146	187707	42.208	ng	98
13) 1,4-Dichlorobenzene	6.886	146	190820	42.829	ng	98
14) 1,2-Dichlorobenzene	7.034	146	183824	43.046	ng	99
15) Benzyl Alcohol	7.010	79	148710	45.102	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	286313	41.940	ng	95
17) 2-Methylphenol	7.122	107	119855	41.804	ng	95
18) Hexachloroethane	7.375	117	61002	41.212	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	115627	42.182	ng	94
20) 3+4-Methylphenols	7.275	107	146258	43.275	ng	92
22) Acetophenone	7.275	105	224963	46.615	ng	95
24) Nitrobenzene	7.451	77	175647	41.532	ng	99
25) Isophorone	7.686	82	316082	42.901	ng	100
26) 2-Nitrophenol	7.769	139	88948	42.487	ng	98
27) 2,4-Dimethylphenol	7.804	122	146563	46.708	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	195648	42.524	ng	98
29) 2,4-Dichlorophenol	8.010	162	151071	41.771	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	164074	44.180	ng	96
31) Naphthalene	8.169	128	447289	41.797	ng	100
32) Benzoic acid	7.933	122	101372	44.073	ng	94
33) 4-Chloroaniline	8.222	127	96938	24.837	ng	99
34) Hexachlorobutadiene	8.286	225	114468	40.898	ng	99
35) Caprolactam	8.592	113	43562m	43.965	ng	
36) 4-Chloro-3-methylphenol	8.704	107	138818	42.829	ng	99
37) 2-Methylnaphthalene	8.863	142	278575	38.935	ng	99
38) 1-Methylnaphthalene	8.963	142	278003	40.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	190679	45.851	ng	98
41) Hexachlorocyclopentadiene	9.016	237	137806	83.412	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	117312	41.446	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025
Supervised By :Sohil Jodhani

11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	124969	40.965	ng		98
46) 1,1'-Biphenyl	9.328	154	402584	45.451	ng		99
47) 2-Chloronaphthalene	9.357	162	315213	41.719	ng		99
48) 2-Nitroaniline	9.451	65	98024	44.964	ng		99
49) Acenaphthylene	9.769	152	479794	46.599	ng		99
50) Dimethylphthalate	9.627	163	375975	44.725	ng		99
51) 2,6-Dinitrotoluene	9.692	165	79835	46.914	ng		99
52) Acenaphthene	9.945	154	300376m	43.626	ng		
53) 3-Nitroaniline	9.863	138	56681	30.470	ng		99
54) 2,4-Dinitrophenol	9.975	184	78637	76.525	ng		98
55) Dibenzofuran	10.116	168	400494	41.532	ng		99
56) 4-Nitrophenol	10.033	139	94446	70.187	ng		93
57) 2,4-Dinitrotoluene	10.098	165	104644	45.935	ng		97
58) Fluorene	10.457	166	315358	43.013	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	95261	44.136	ng	#	96
60) Diethylphthalate	10.327	149	336684	43.446	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	172430	41.288	ng		99
62) 4-Nitroaniline	10.480	138	71517	40.370	ng		98
63) Azobenzene	10.610	77	320032	44.374	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	61765	42.332	ng		98
66) n-Nitrosodiphenylamine	10.569	169	309243	44.767	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	117484	42.855	ng		97
68) Hexachlorobenzene	11.010	284	143061	44.304	ng		95
69) Atrazine	11.098	200	97665	44.457	ng		99
70) Pentachlorophenol	11.204	266	136188	84.697	ng		97
71) Phenanthrene	11.421	178	466162	43.593	ng		100
72) Anthracene	11.474	178	461640	42.456	ng		99
73) Carbazole	11.633	167	387879	41.951	ng		99
74) Di-n-butylphthalate	11.957	149	461045	41.248	ng		99
75) Fluoranthene	12.616	202	461433	41.772	ng		99
77) Benzidine	12.739	184	84424	22.354	ng		99
78) Pyrene	12.845	202	448811	43.597	ng		99
80) Butylbenzylphthalate	13.457	149	150266	42.115	ng		99
81) Benzo(a)anthracene	14.039	228	391354	44.226	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	102068	33.650	ng		96
83) Chrysene	14.074	228	349396	42.772	ng		98
84) Bis(2-ethylhexyl)phtha...	14.015	149	190183	38.937	ng		98
85) Di-n-octyl phthalate	14.633	149	341741	40.553	ng		100
87) Indeno(1,2,3-cd)pyrene	17.033	276	503139	45.429	ng		99
88) Benzo(b)fluoranthene	15.092	252	436245	49.735	ng		99
89) Benzo(k)fluoranthene	15.121	252	384664	46.853	ng		99
90) Benzo(a)pyrene	15.468	252	401625	49.632	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	409253	46.011	ng		99
92) Benzo(g,h,i)perylene	17.486	276	418232	47.615	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144265.D
Acq On : 17 Nov 2025 13:52
Operator : RC/JU
Sample : PB170576BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 17 14:13:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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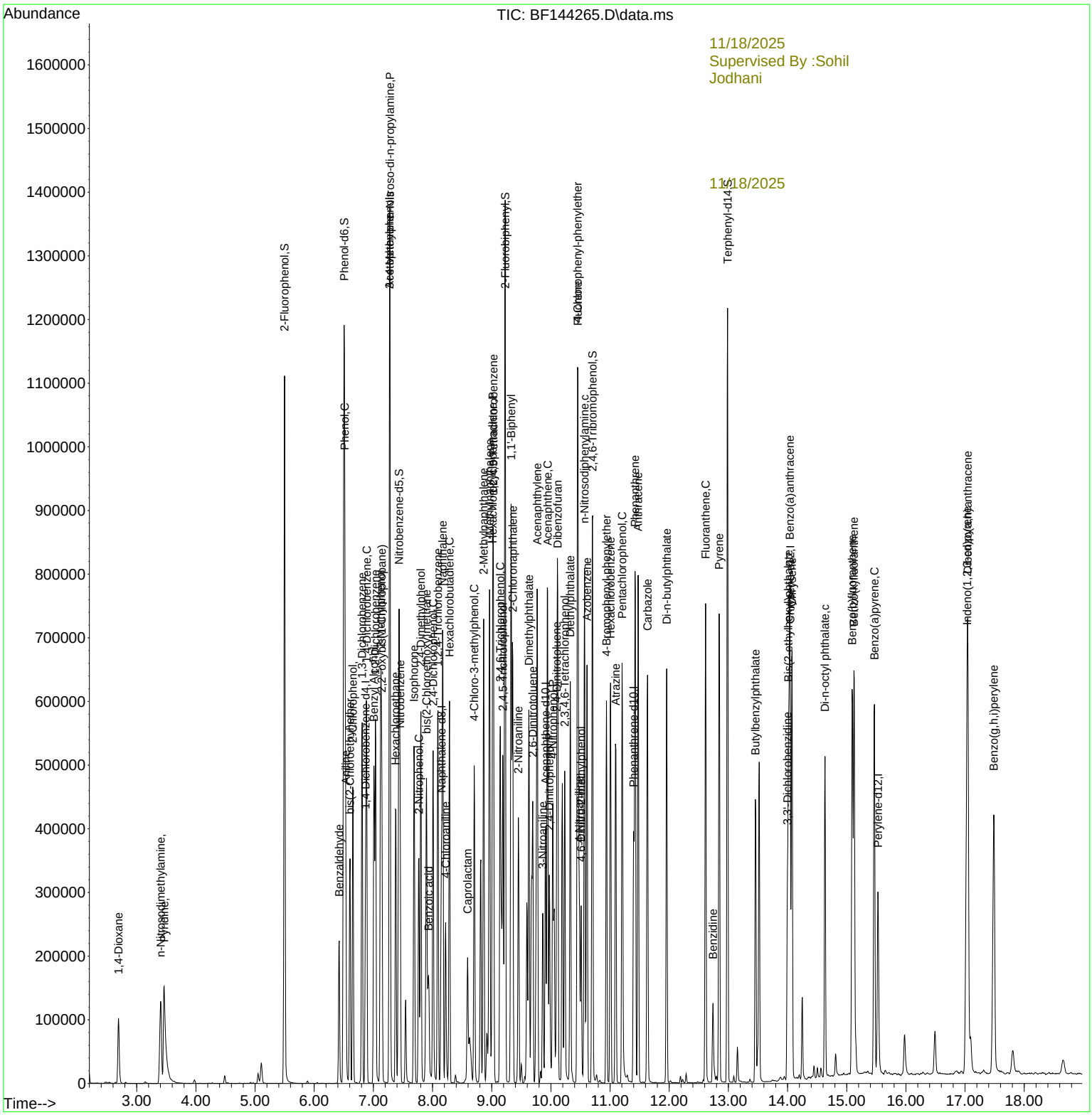
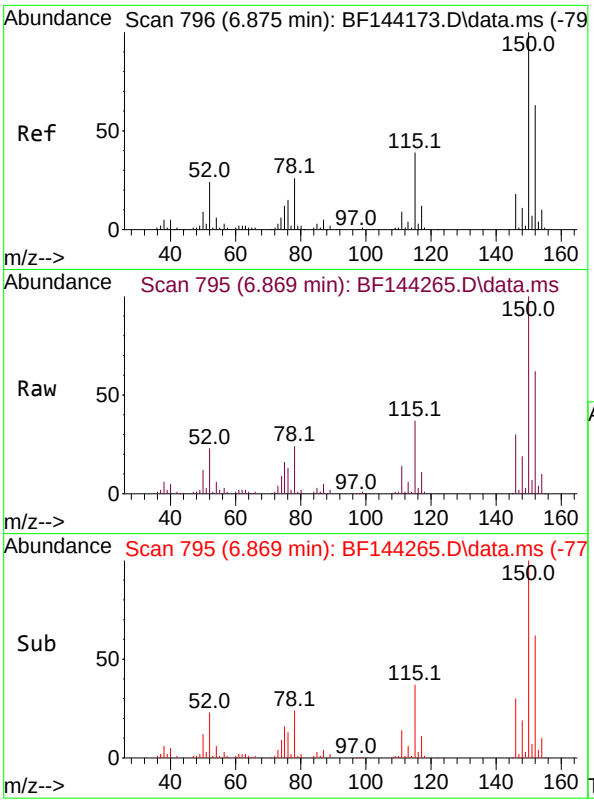
Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025
Supervised By :Sohil Jodhani

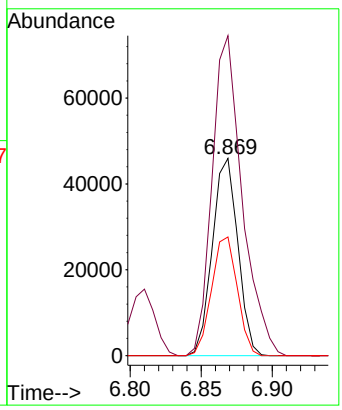




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:152 Resp: 5750

Ion	Ratio	Lower	Upper
152	100		
150	162.3	127.4	191.0
115	60.2	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations
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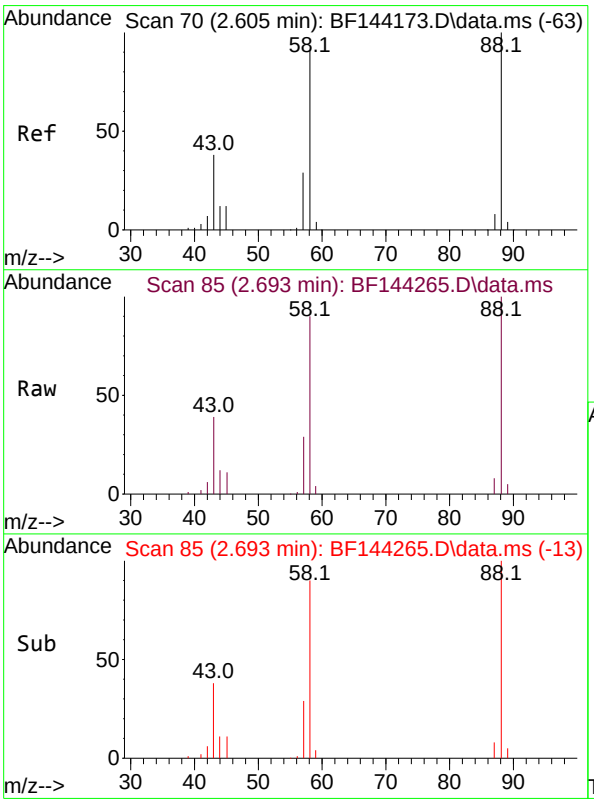
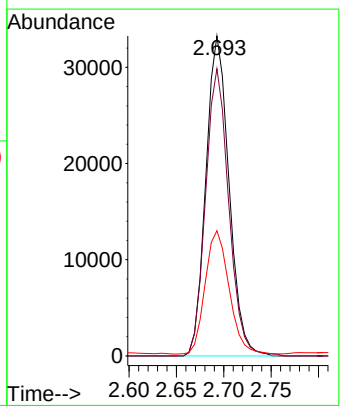
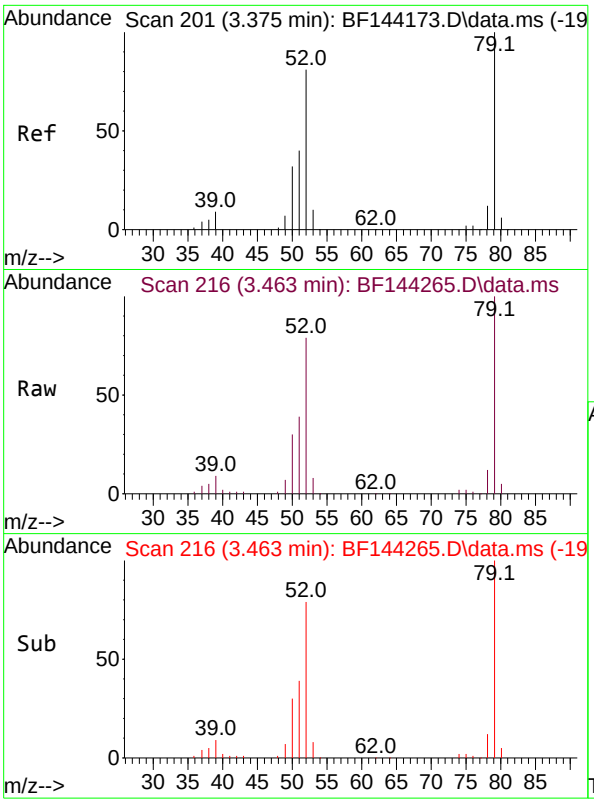


#2
1,4-Dioxane
Concen: 37.216 ng
RT: 2.693 min Scan# 85
Delta R.T. 0.076 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 88 Resp: 56543

Ion	Ratio	Lower	Upper
88	100		
58	90.0	73.1	109.7
43	39.8	31.0	46.6





#3
Pyridine
Concen: 35.092 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 79 Resp: 14874

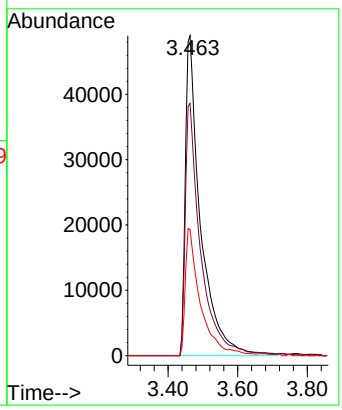
Ion	Ratio	Lower	Upper
79	100		
52	78.8	64.5	96.7
51	39.4	31.7	47.5

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations
APPROVED

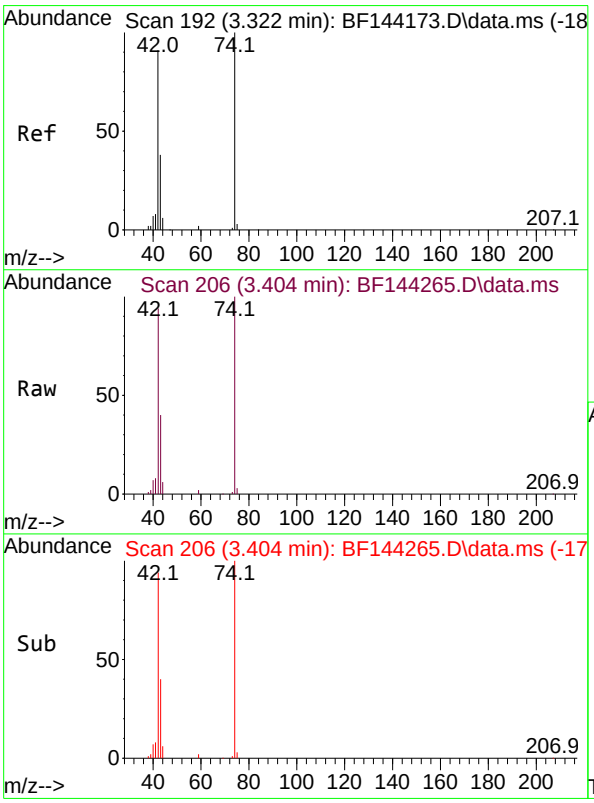
Reviewed By :Jagrut Upadhyay

11/18/2025



Supervised By :Sohil Jodhani

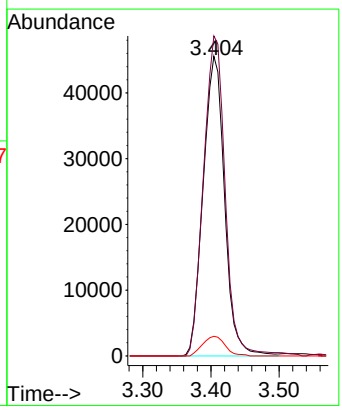
11/18/2025

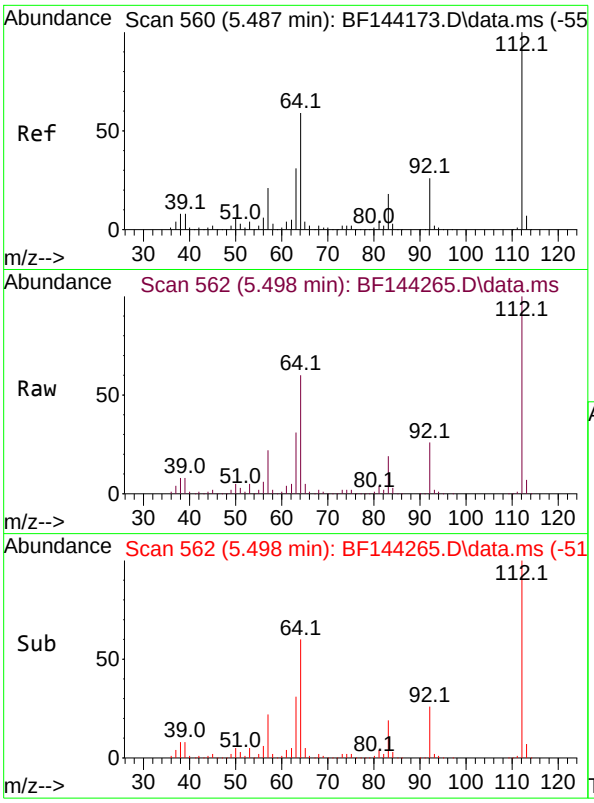


#4
n-Nitrosodimethylamine
Concen: 44.863 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.059 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 42 Resp: 99331

Ion	Ratio	Lower	Upper
42	100		
74	106.8	88.2	132.4
44	6.6	5.7	8.5





#5
2-Fluorophenol
Concen: 114.798 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:112 Resp: 42187

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.2	70.8
63	31.1	24.4	36.6

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

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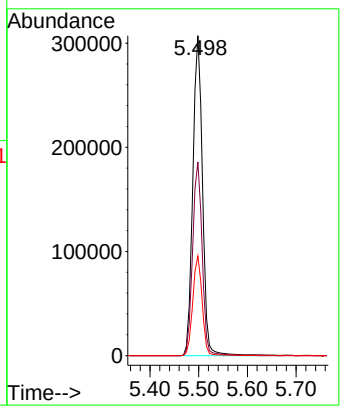
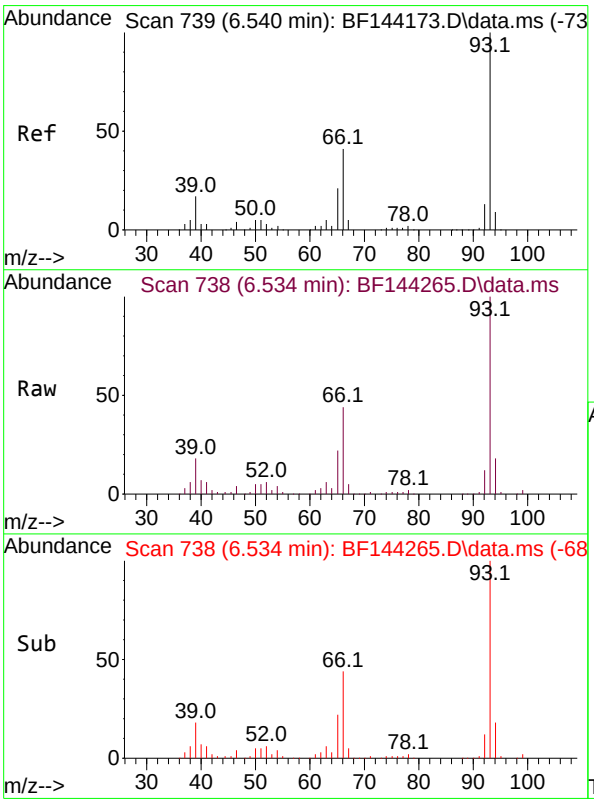


Supervised By :Sohil Jodhani

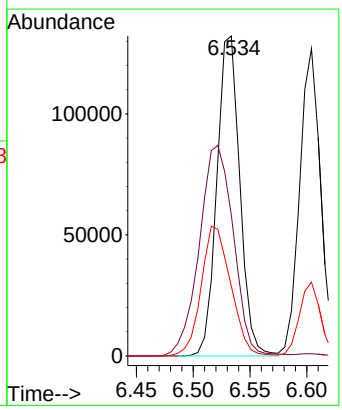
11/18/2025

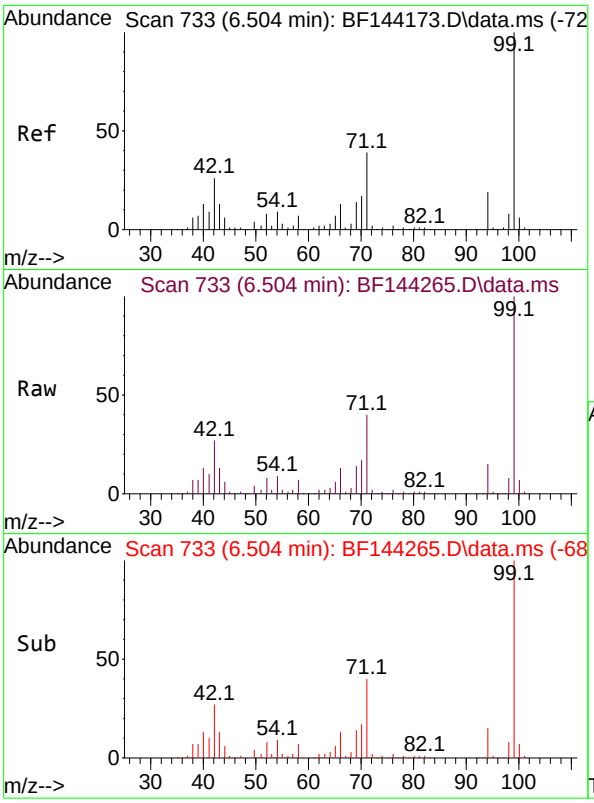


#6
Aniline
Concen: 31.358 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 93 Resp: 186036

Ion	Ratio	Lower	Upper
93	100		
66	44.0	34.3	51.5
65	21.8	16.9	25.3

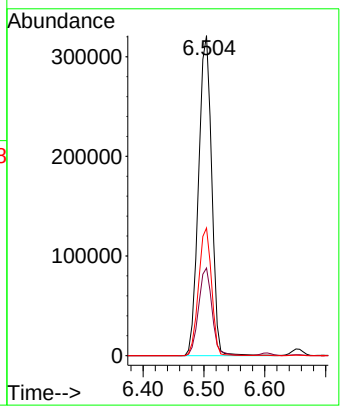




#7
Phenol-d6
Concen: 114.978 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 99 Resp: 47876

Ion	Ratio	Lower	Upper
99	100		
42	27.4	20.9	31.3
71	39.9	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
PB170576BS

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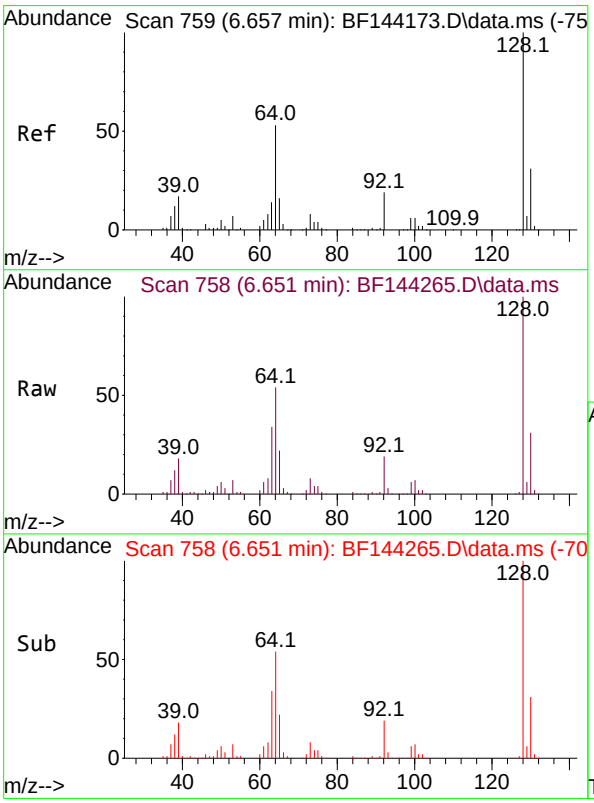
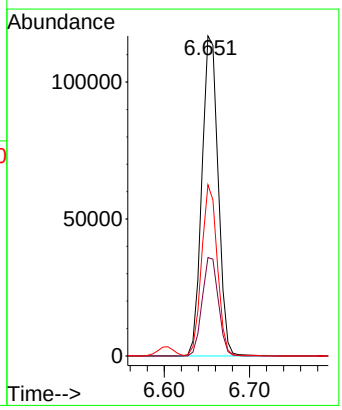
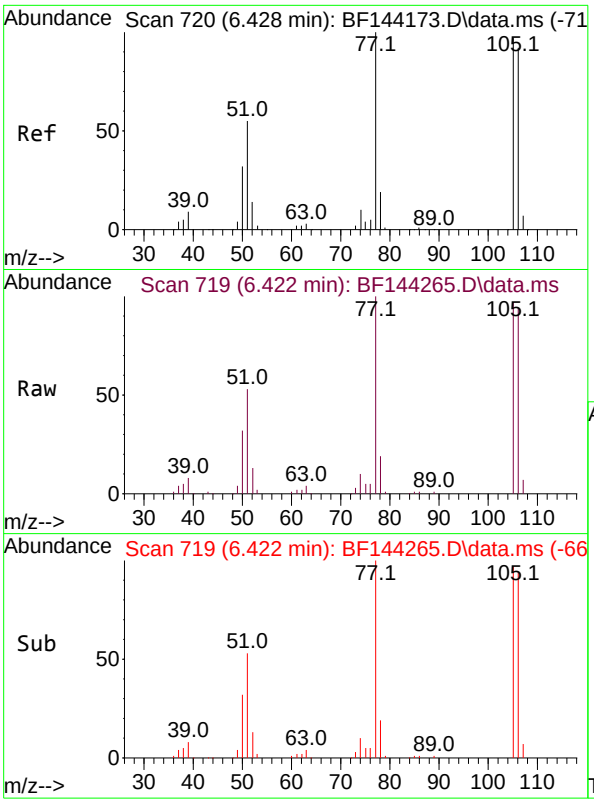


#8
2-Chlorophenol
Concen: 42.857 ng
RT: 6.651 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:128 Resp: 154455

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.5	50.5
64	53.5	33.2	73.2

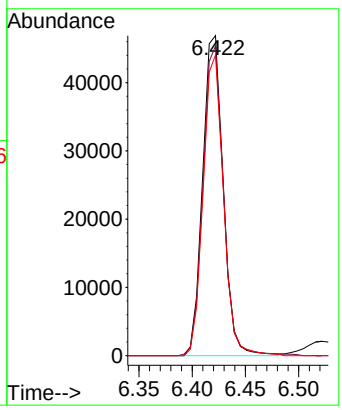




#9
Benzaldehyde
Concen: 26.803 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 77 Resp: 6302

Ion	Ratio	Lower	Upper
77	100		
105	96.7	77.2	117.2
106	94.0	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations
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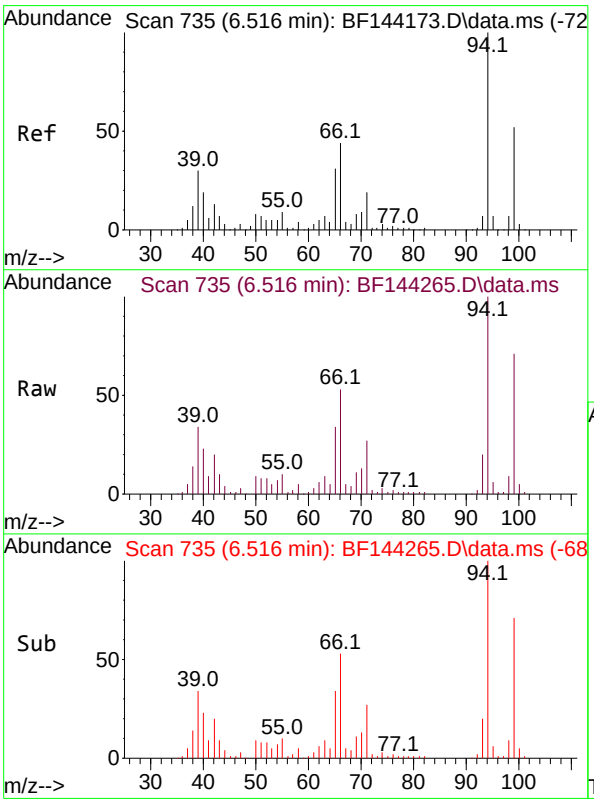
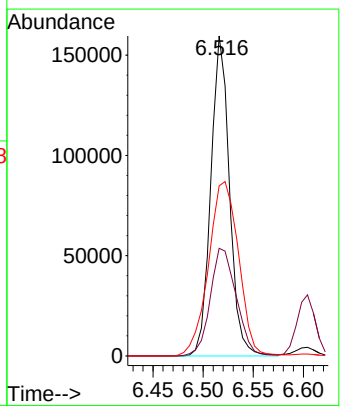
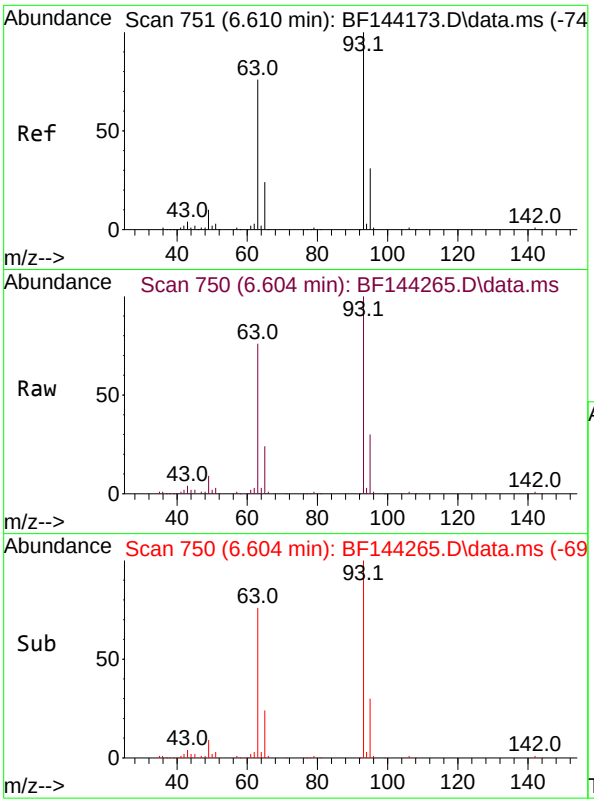


#10
Phenol
Concen: 40.702 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 94 Resp: 207073

Ion	Ratio	Lower	Upper
94	100		
65	33.6	10.8	50.8
66	53.2	24.3	64.3

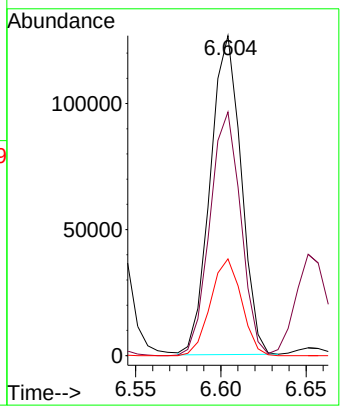




#11
bis(2-Chloroethyl)ether
Concen: 43.023 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 93 Resp: 15948

Ion	Ratio	Lower	Upper
93	100		
63	76.1	55.2	95.2
95	30.2	11.2	51.2



Instrument :
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ClientSampleId :
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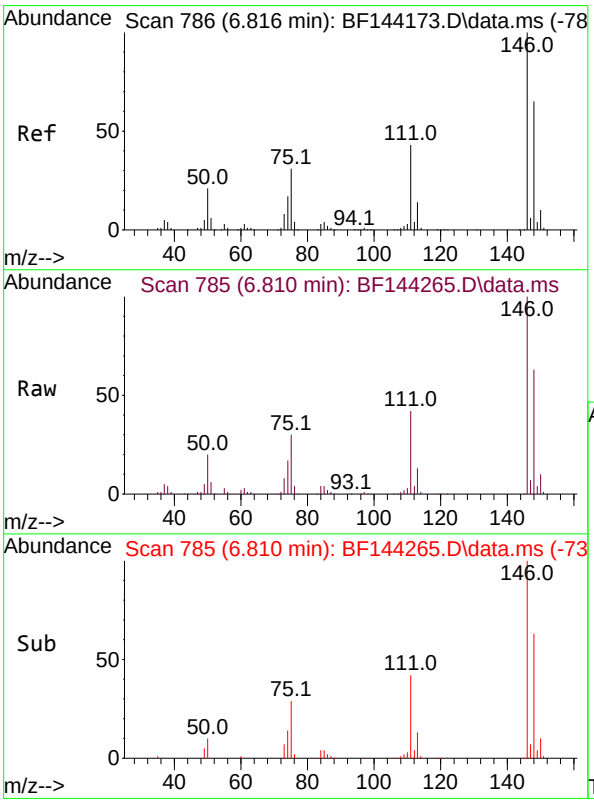
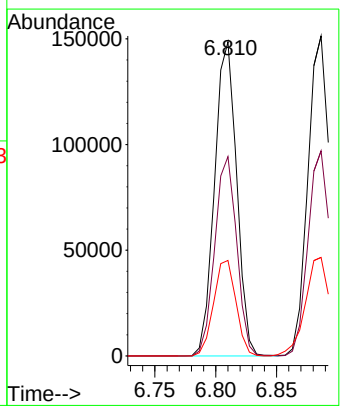
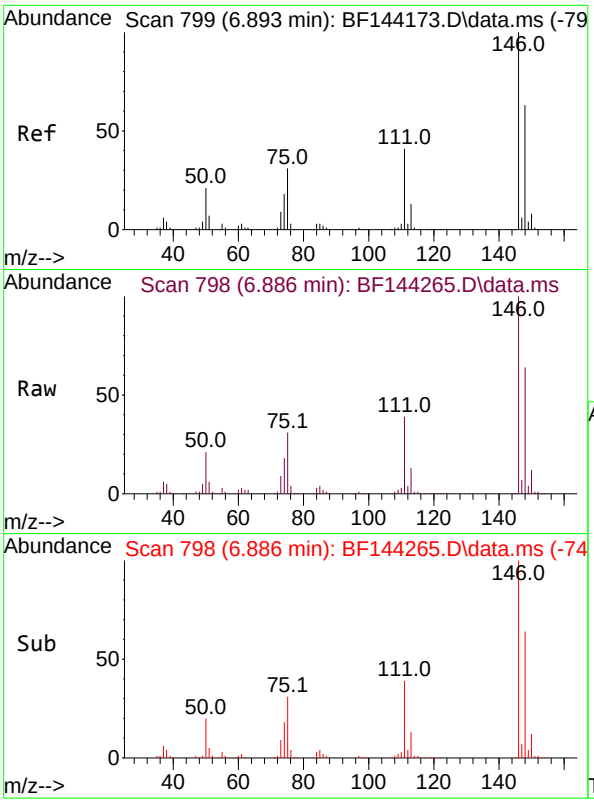


#12
1,3-Dichlorobenzene
Concen: 42.208 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:146 Resp: 187707

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.8
75	30.4	25.0	37.4

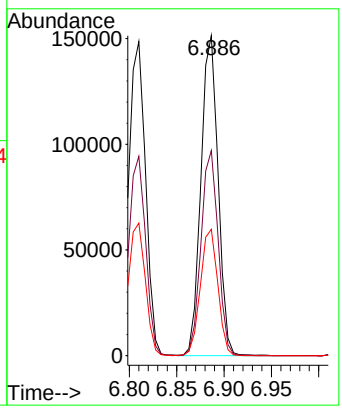




#13
1,4-Dichlorobenzene
Concen: 42.829 ng
RT: 6.886 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:146 Resp: 19082

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.2	75.2
111	39.5	32.6	48.8



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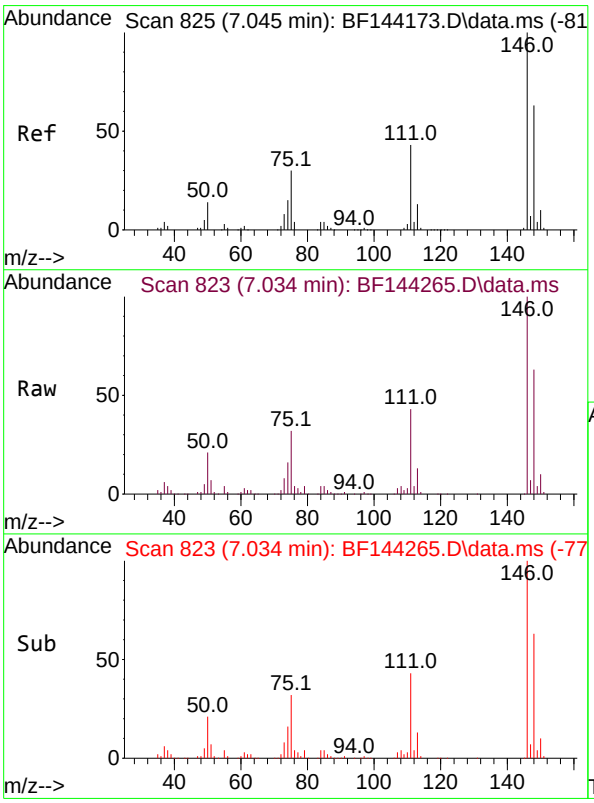
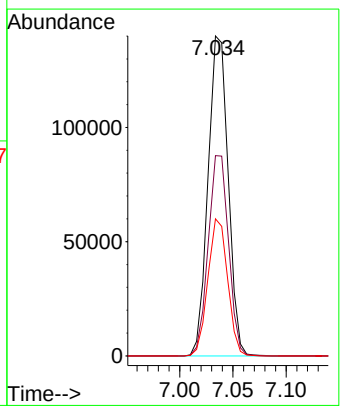
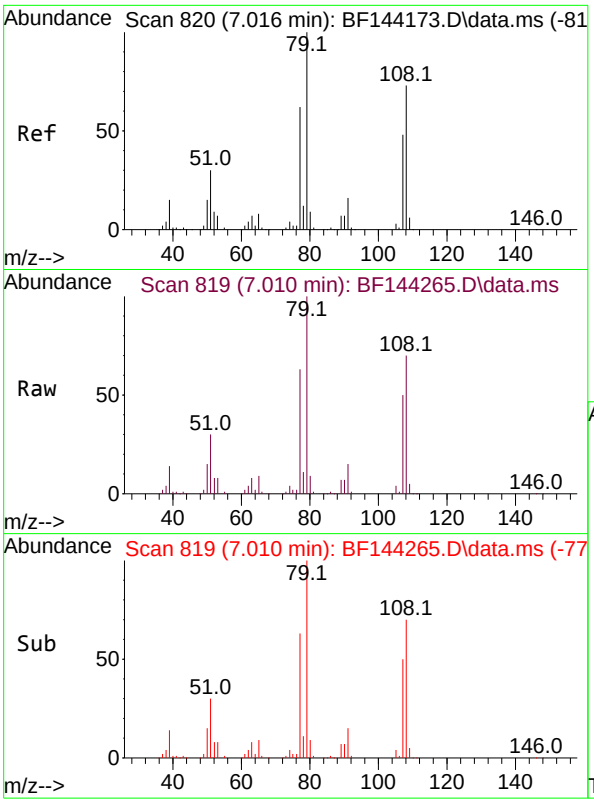


#14
1,2-Dichlorobenzene
Concen: 43.046 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:146 Resp: 183824

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	42.8	34.2	51.4





#15
Benzyl Alcohol
Concen: 45.102 ng
RT: 7.010 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 79 Resp: 14871

Ion	Ratio	Lower	Upper
79	100		
108	69.6	58.2	87.4
77	62.8	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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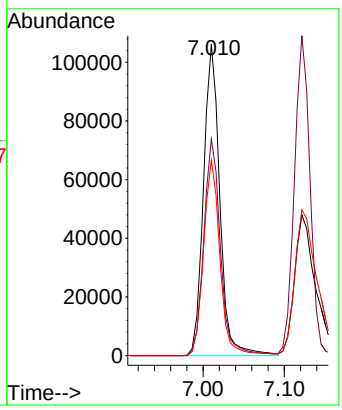

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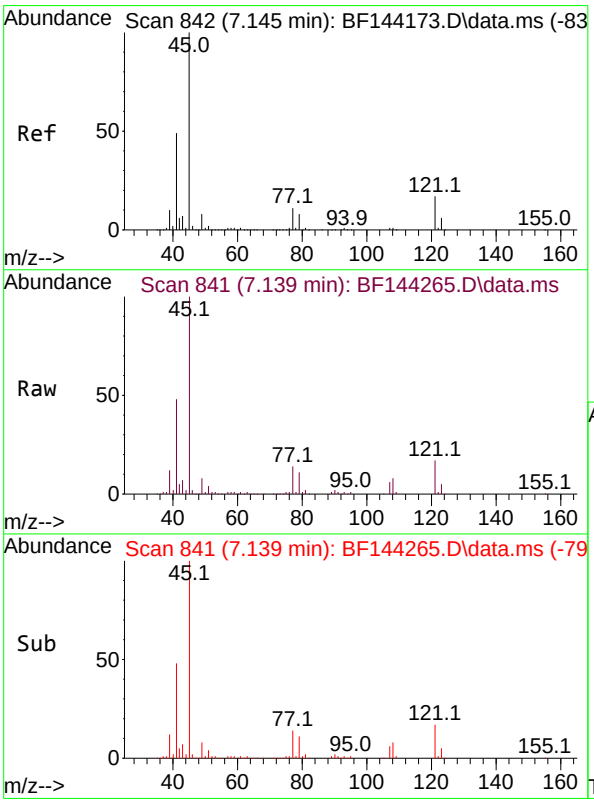
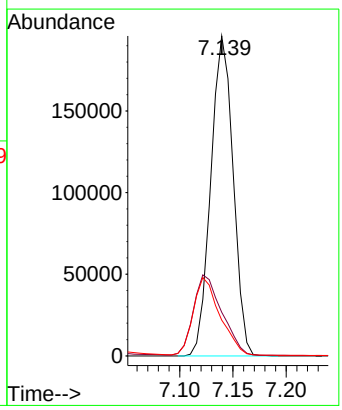
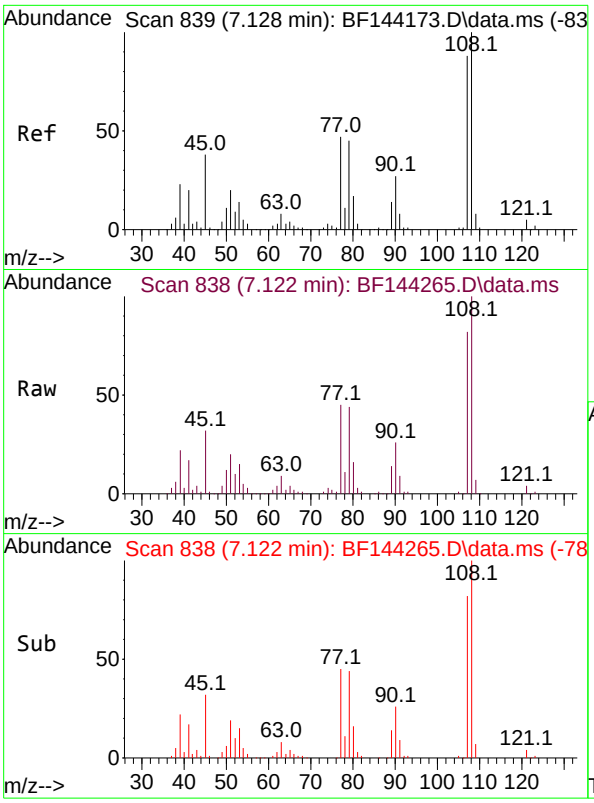


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.940 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 45 Resp: 286313

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	31.8
79	11.2	0.0	29.1

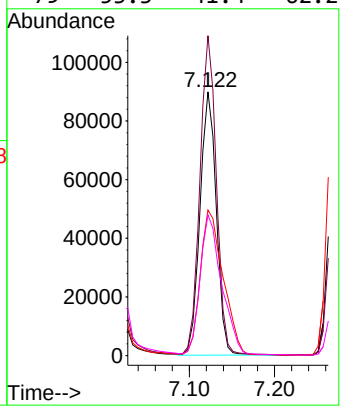




#17
2-Methylphenol
Concen: 41.804 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:107 Resp: 11985

Ion	Ratio	Lower	Upper
107	100		
108	121.4	91.0	136.4
77	55.2	42.7	64.1
79	53.3	41.4	62.2



Instrument :
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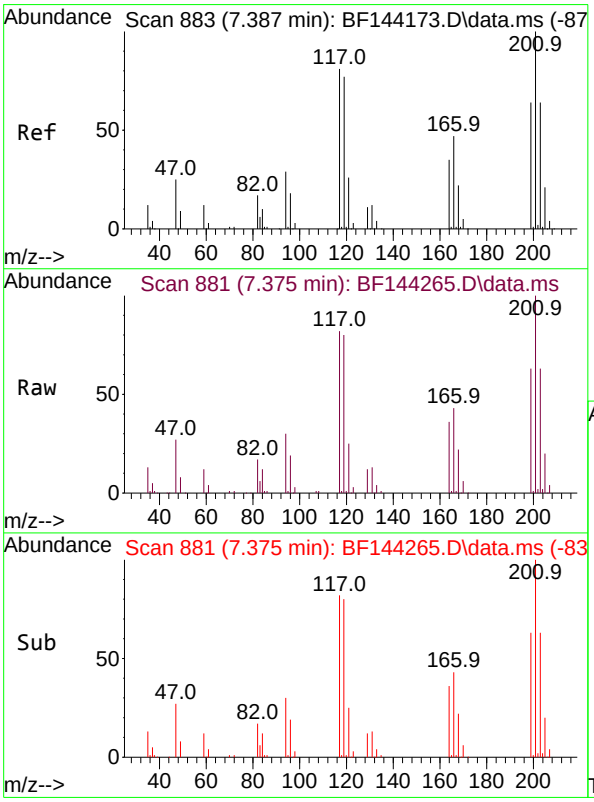
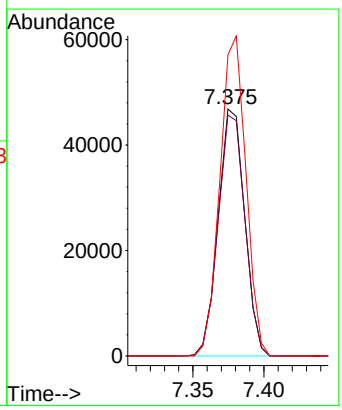
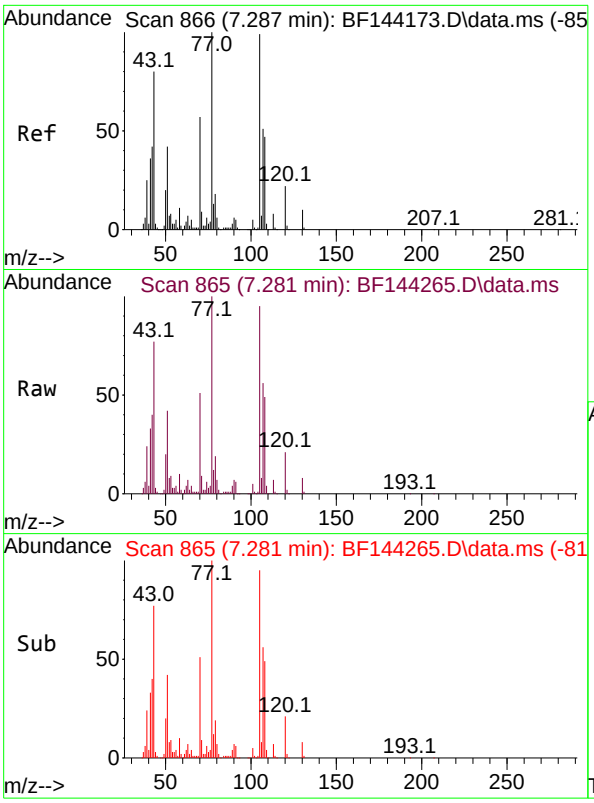


#18
Hexachloroethane
Concen: 41.212 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:117 Resp: 61002

Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
201	122.0	98.9	148.3

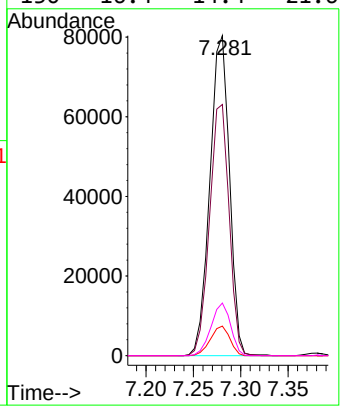




#19
n-Nitroso-di-n-propylamine
Concen: 42.182 ng
RT: 7.281 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 70 Resp: 11562

Ion	Ratio	Lower	Upper
70	100		
42	78.5	58.3	87.5
101	9.2	7.0	10.6
130	16.4	14.4	21.6



Instrument :
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ClientSampleId :
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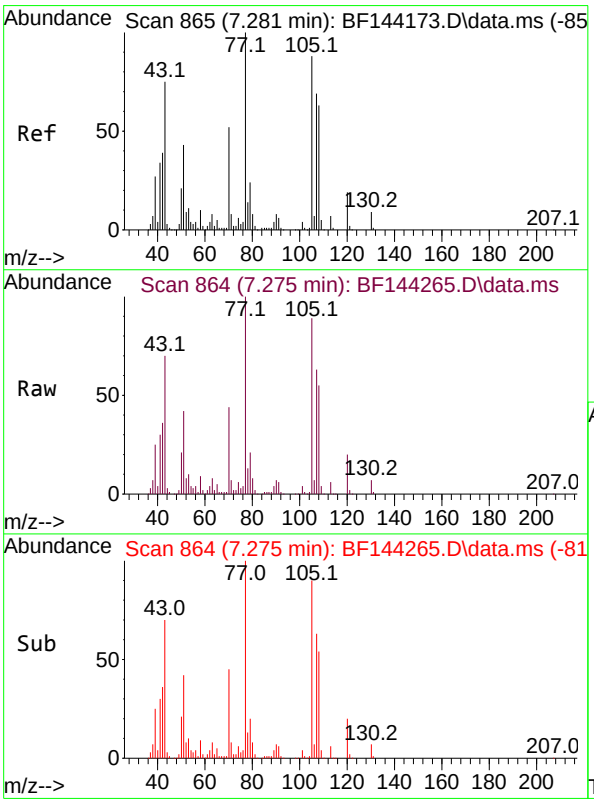
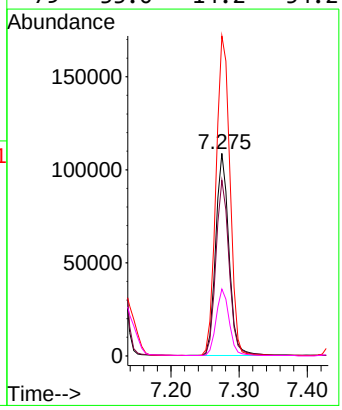
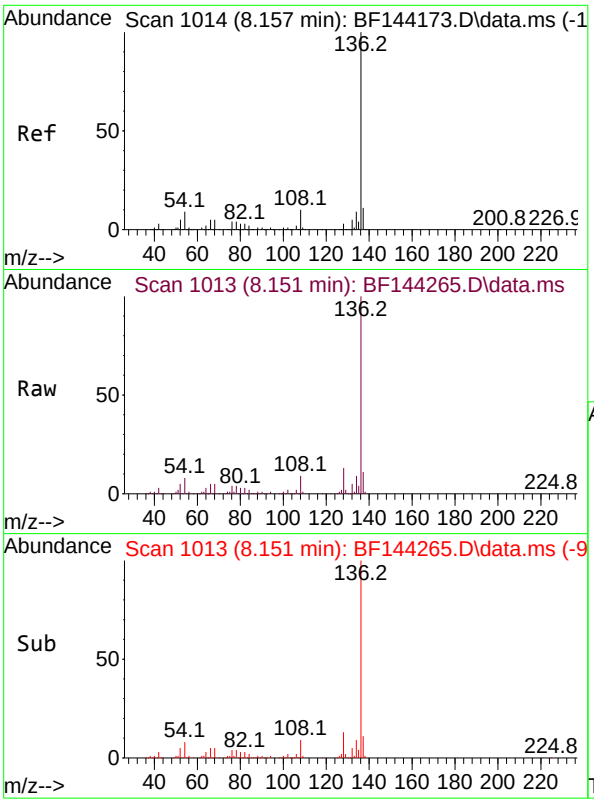


#20
3+4-Methylphenols
Concen: 43.275 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:107 Resp: 146258

Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.2	110.2
77	158.0	123.9	163.9
79	33.0	14.2	54.2

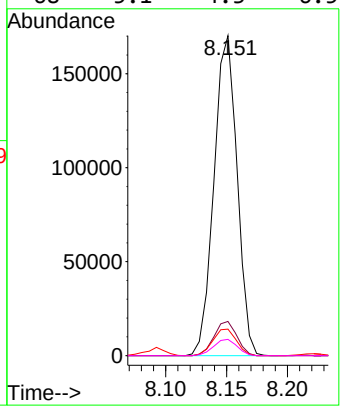




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:136 Resp: 22496

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.3	7.0	10.6
68	5.1	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
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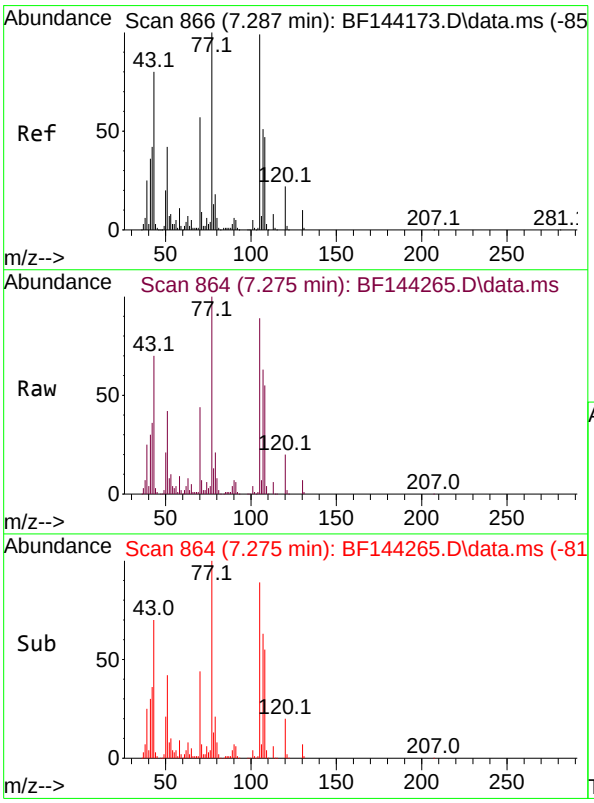
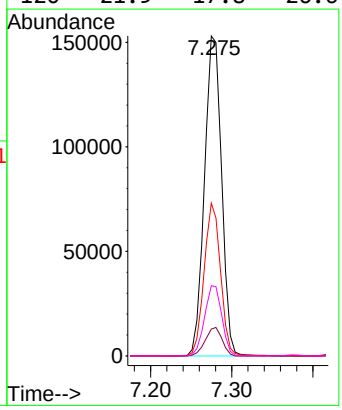
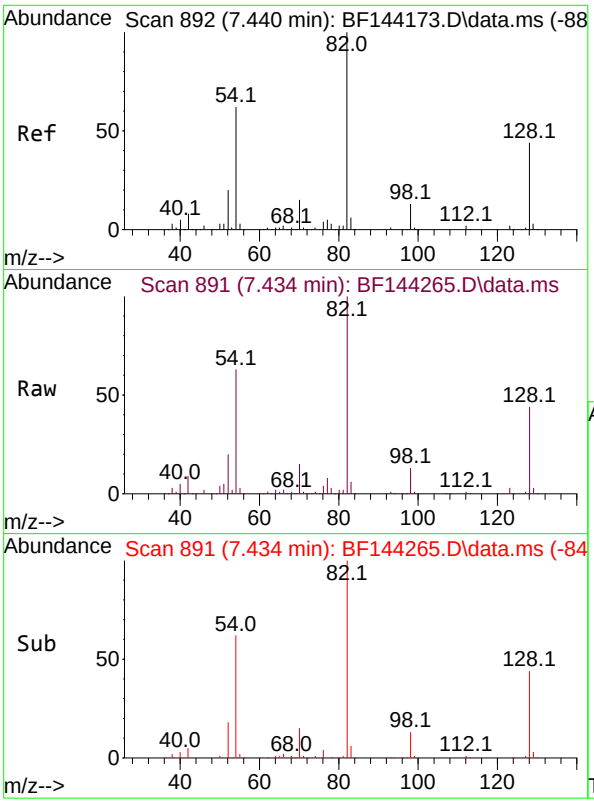


#22
Acetophenone
Concen: 46.615 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:105 Resp: 224963

Ion	Ratio	Lower	Upper
105	100		
71	8.4	7.2	10.8
51	47.7	34.0	51.0
120	21.9	17.8	26.6

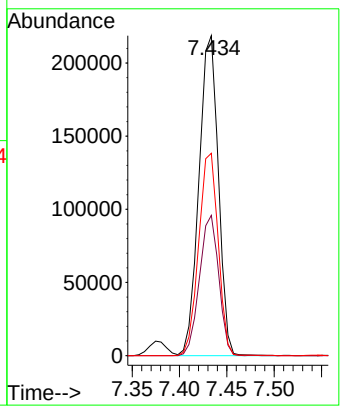




#23
Nitrobenzene-d5
Concen: 79.970 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 82 Resp: 31149

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	63.2	49.5	74.3



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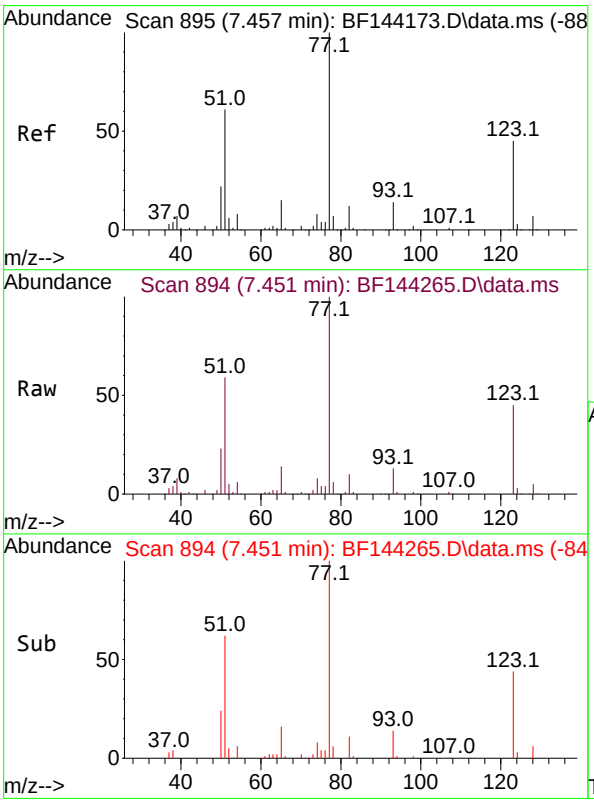
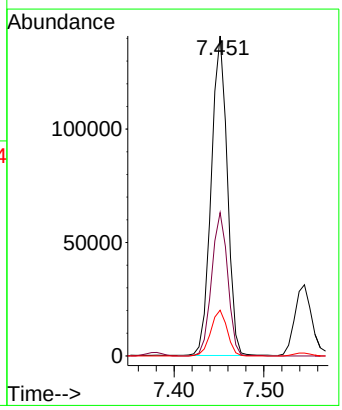
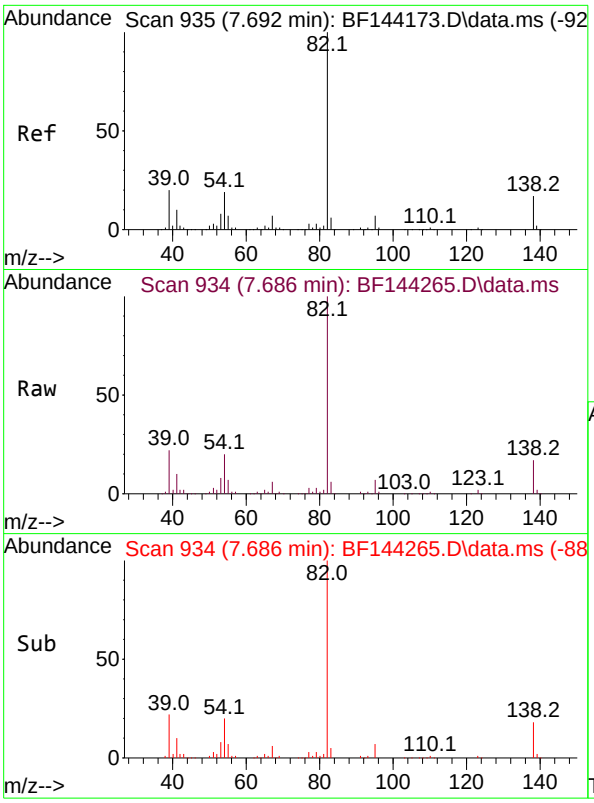


#24
Nitrobenzene
Concen: 41.532 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 77 Resp: 175647

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.8
65	14.3	12.2	18.2

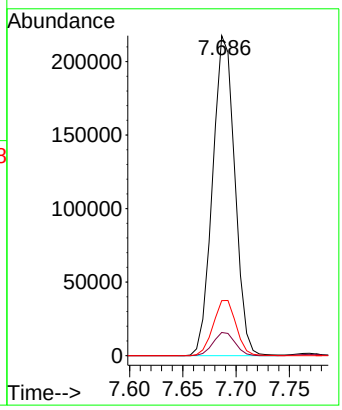




#25
Isophorone
Concen: 42.901 ng
RT: 7.686 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 82 Resp: 31608

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.2	13.7	20.5



Instrument :
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ClientSampleId :
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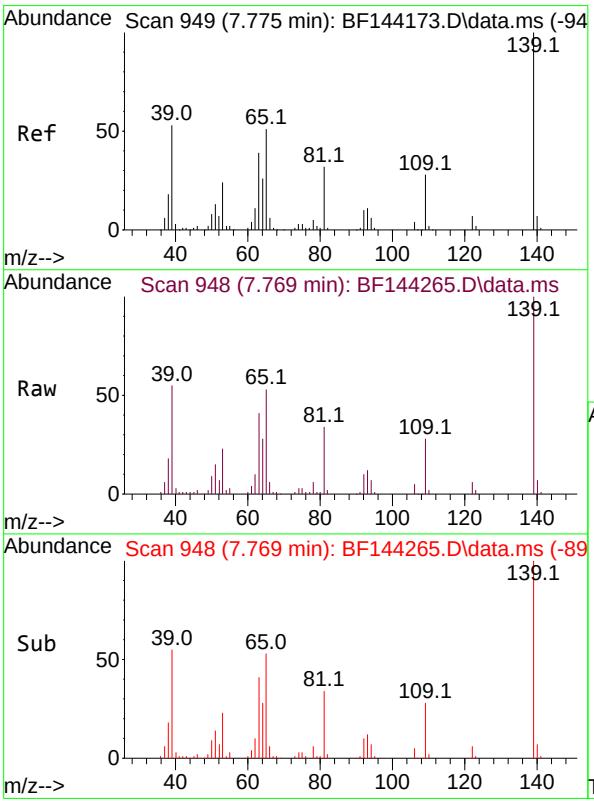
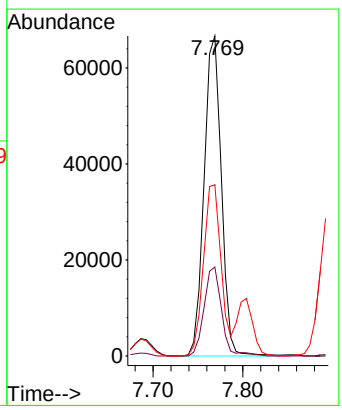
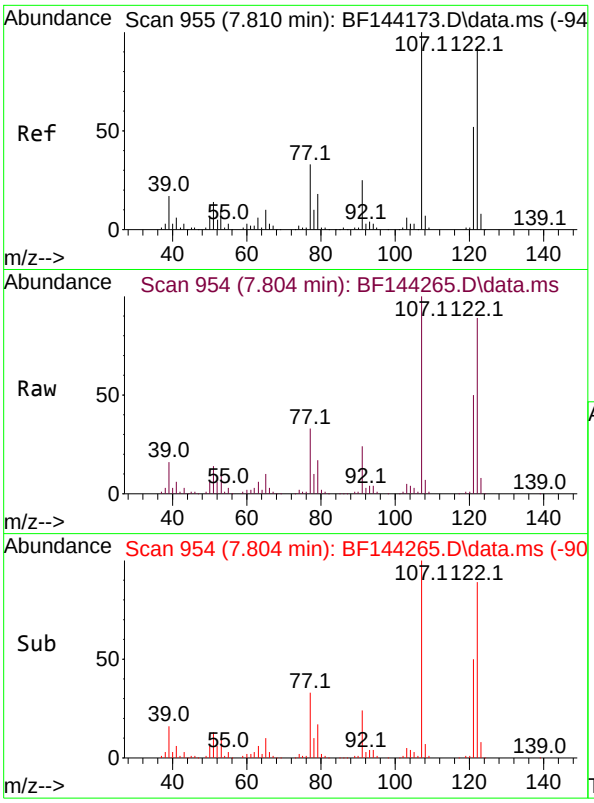


#26
2-Nitrophenol
Concen: 42.487 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:139 Resp: 88948

Ion	Ratio	Lower	Upper
139	100		
109	27.8	22.2	33.2
65	53.5	40.7	61.1

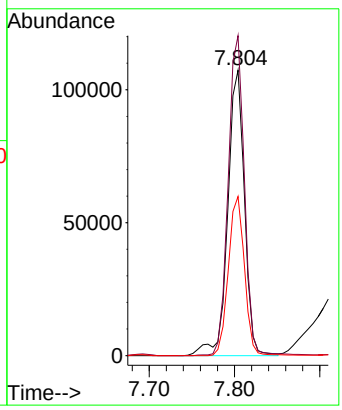




#27
2,4-Dimethylphenol
Concen: 46.708 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:122 Resp: 14656

Ion	Ratio	Lower	Upper
122	100		
107	112.1	86.2	129.4
121	55.7	44.6	66.8



Instrument :
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ClientSampleId :
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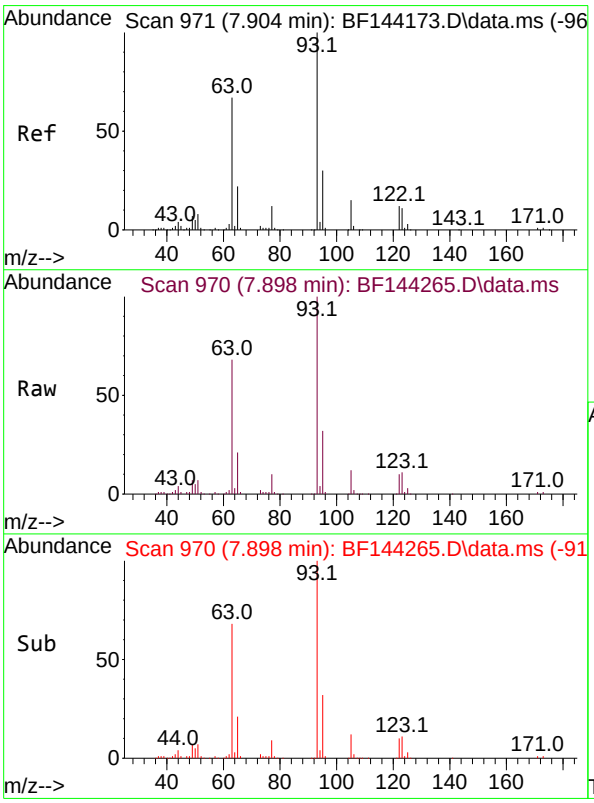
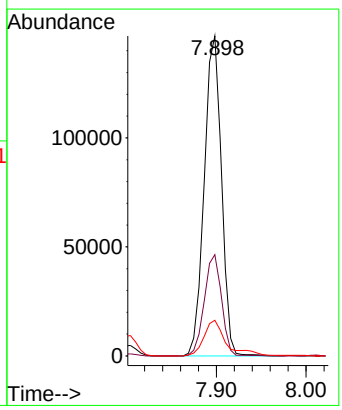
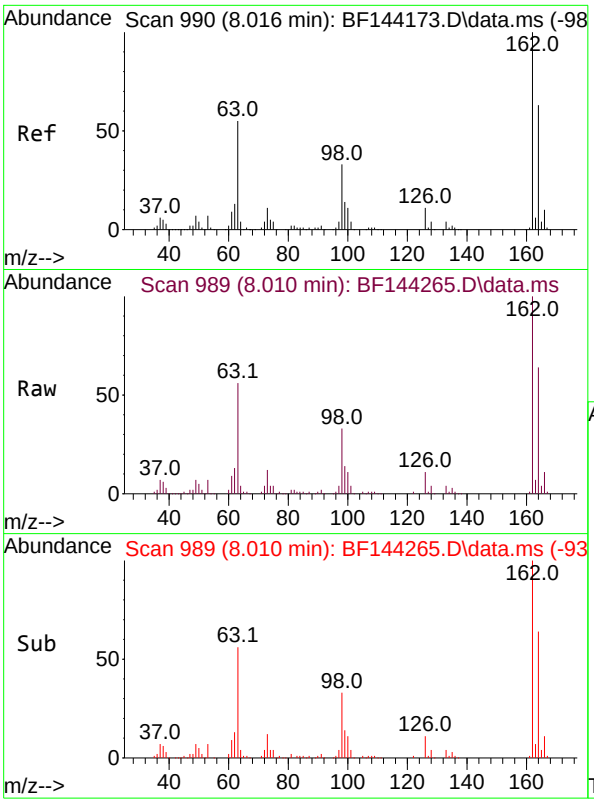


#28
bis(2-Chloroethoxy)methane
Concen: 42.524 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 93 Resp: 195648

Ion	Ratio	Lower	Upper
93	100		
95	31.6	24.2	36.4
123	11.1	9.0	13.4

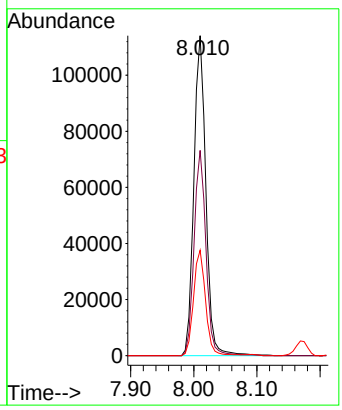




#29
2,4-Dichlorophenol
Concen: 41.771 ng
RT: 8.010 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:162 Resp: 151071

Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.9	82.9
98	32.9	13.3	53.3



Instrument :
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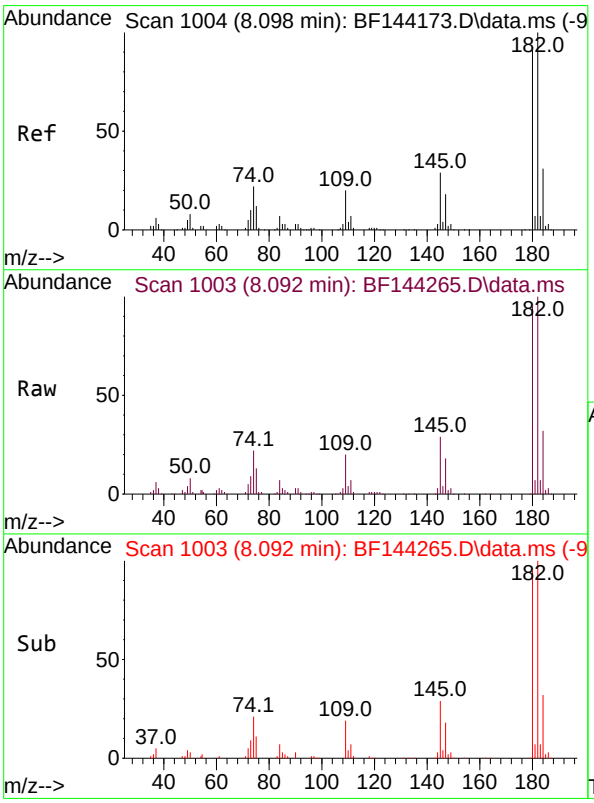
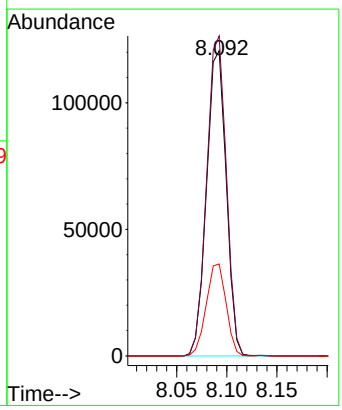
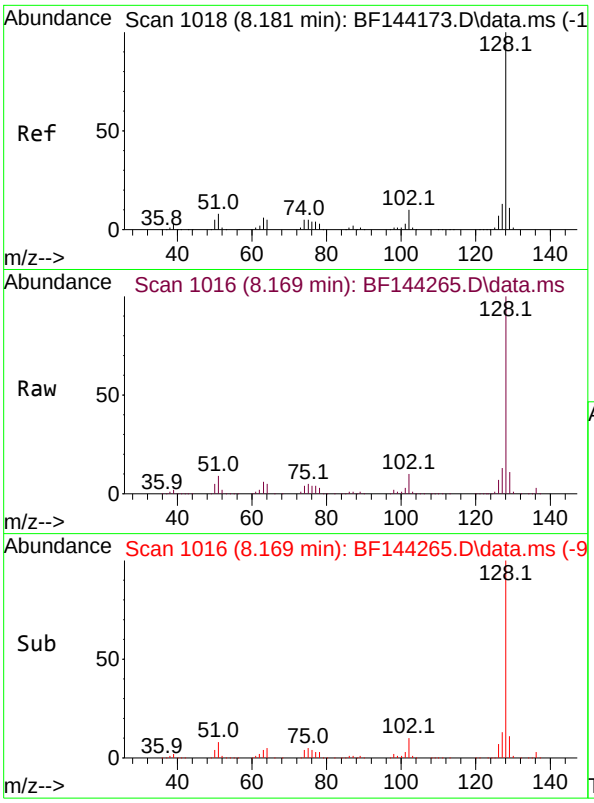


#30
1,2,4-Trichlorobenzene
Concen: 44.180 ng
RT: 8.092 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:180 Resp: 164074

Ion	Ratio	Lower	Upper
180	100		
182	104.9	87.7	131.5
145	30.1	25.4	38.0

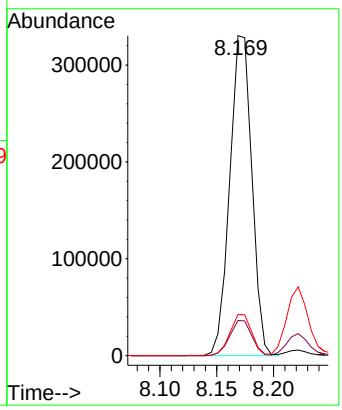




#31
Naphthalene
Concen: 41.797 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:128 Resp: 44728

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.9	10.3	15.5



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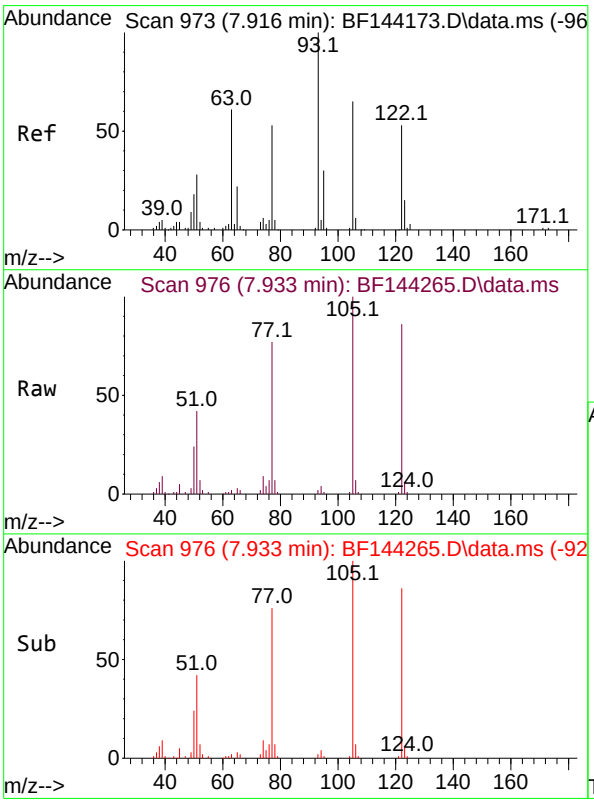
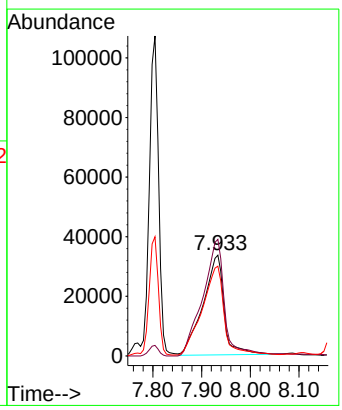
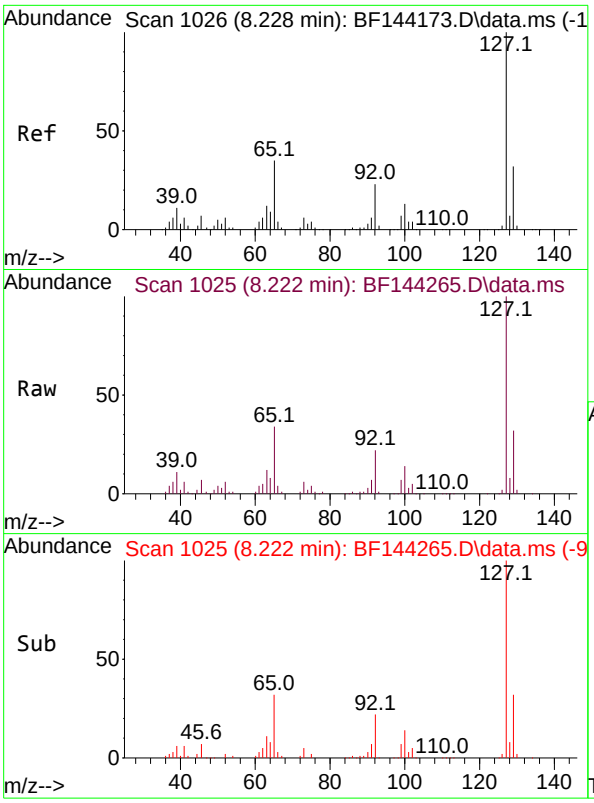


#32
Benzoic acid
Concen: 44.073 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.018 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:122 Resp: 101372

Ion	Ratio	Lower	Upper
122	100		
105	115.7	99.9	139.9
77	88.9	77.5	117.5

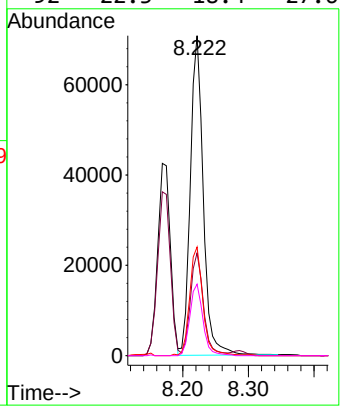




#33
4-Chloroaniline
Concen: 24.837 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:127 Resp: 9693

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.3	37.9
65	33.9	27.6	41.4
92	22.3	18.4	27.6



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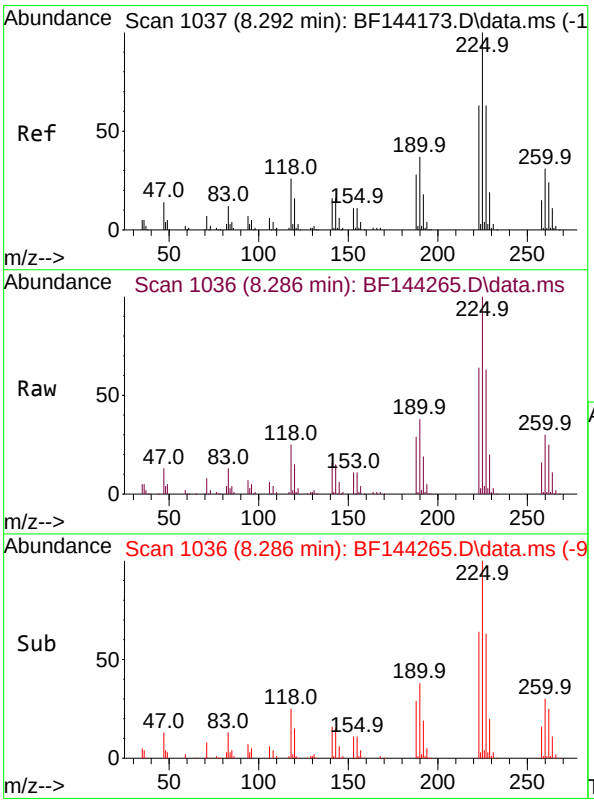
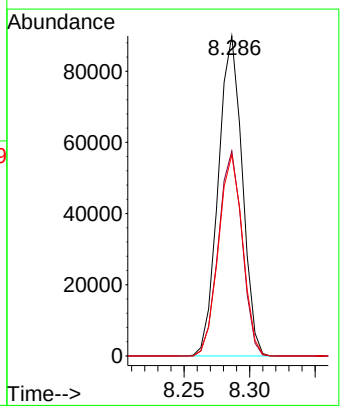
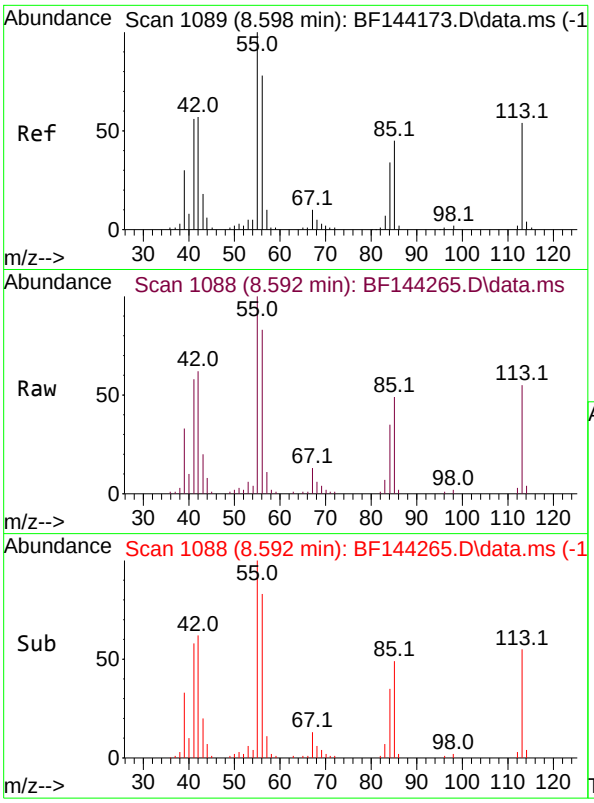


#34
Hexachlorobutadiene
Concen: 40.898 ng
RT: 8.286 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:225 Resp: 114468

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.2	75.4
227	62.8	50.1	75.1

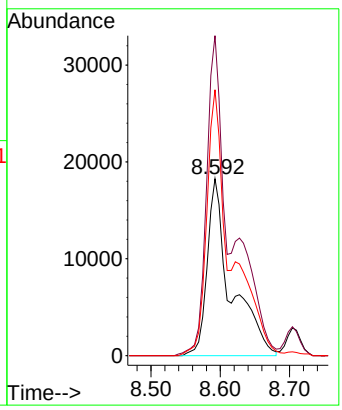




#35
Caprolactam
Concen: 43.965 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:113 Resp: 4356

Ion	Ratio	Lower	Upper
113	100		
55	180.9	166.8	206.8
56	150.3	125.9	165.9



Instrument :
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ClientSampleId :
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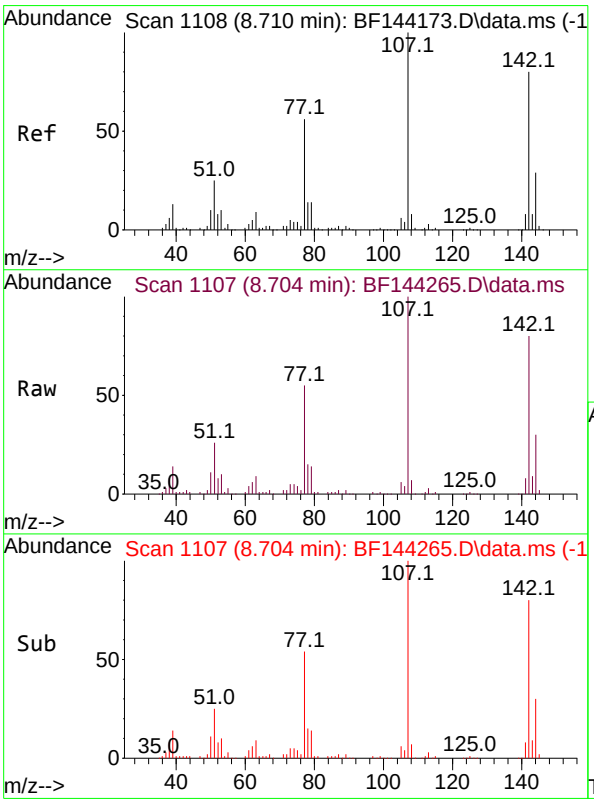
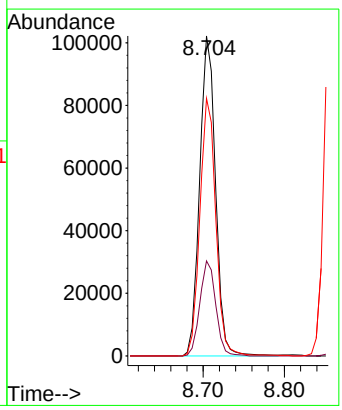
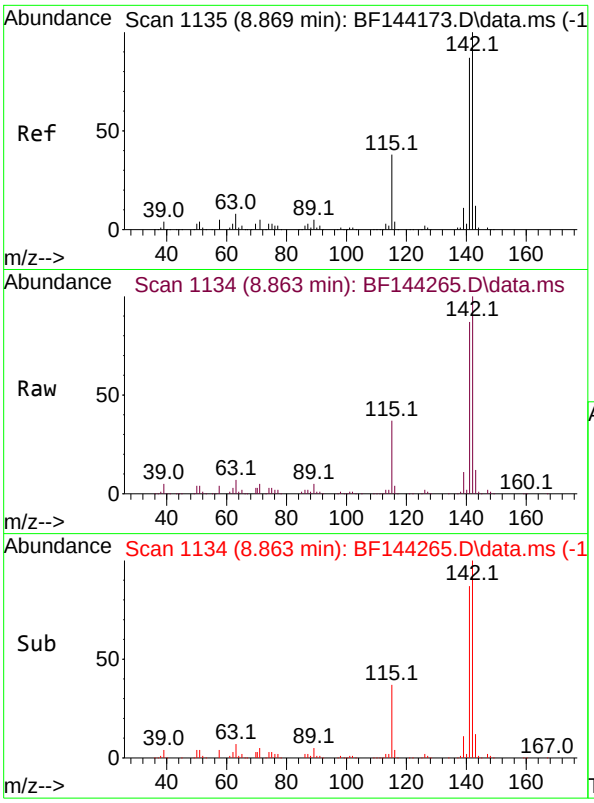


#36
4-Chloro-3-methylphenol
Concen: 42.829 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:107 Resp: 138818

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.3	34.9
142	80.5	63.8	95.6





#37
2-Methylnaphthalene
Concen: 38.935 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:142 Resp: 27857

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
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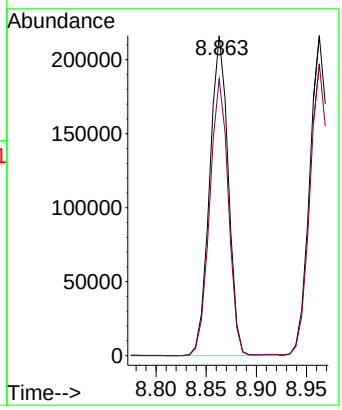

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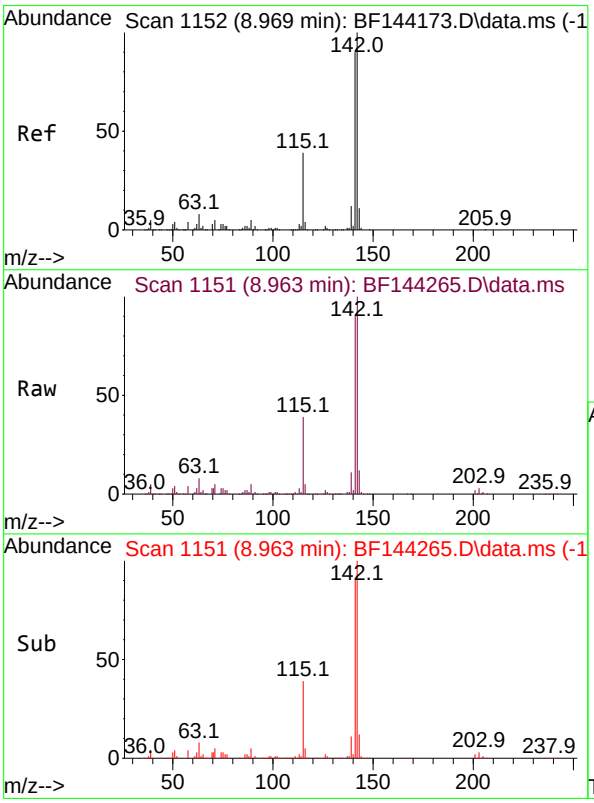
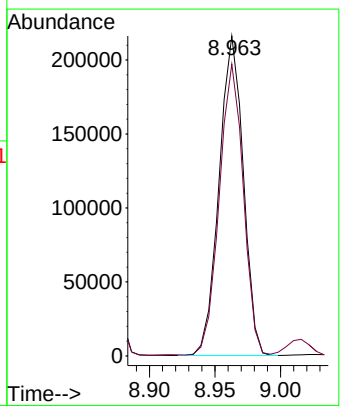
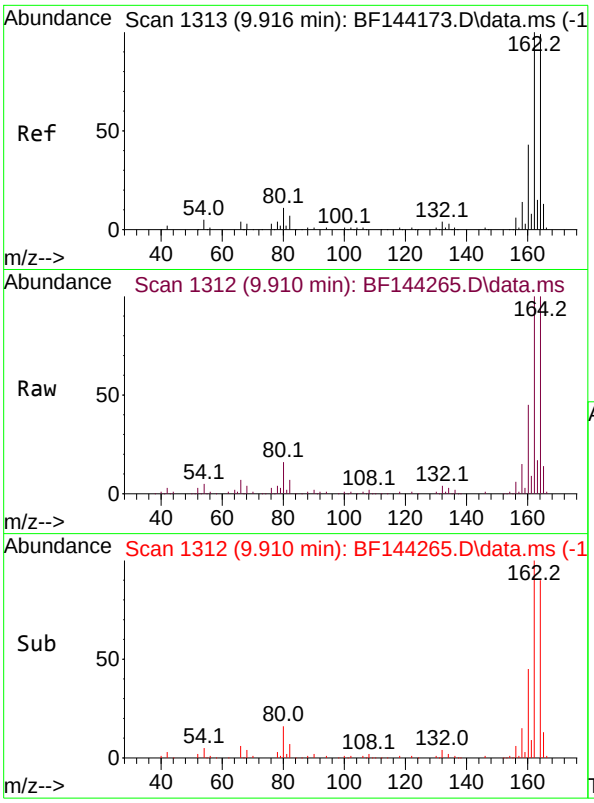


#38
1-Methylnaphthalene
Concen: 40.269 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:142 Resp: 278003

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.1	108.1

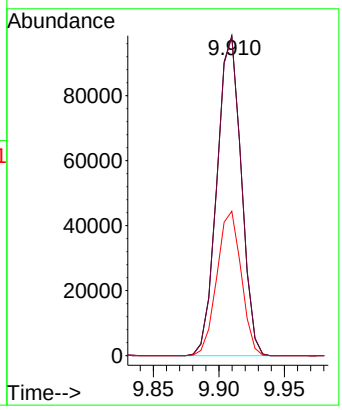




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:164 Resp: 12689

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.1	121.7
160	45.1	34.5	51.7



Instrument :
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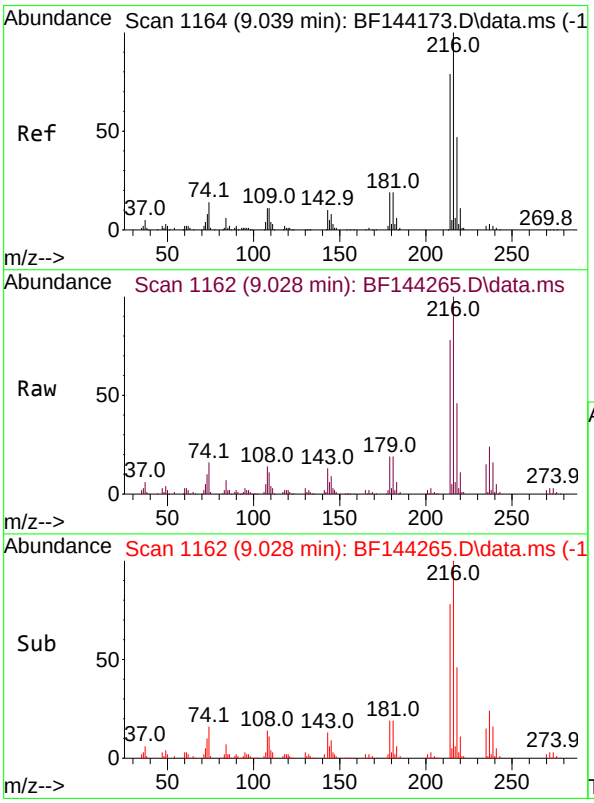
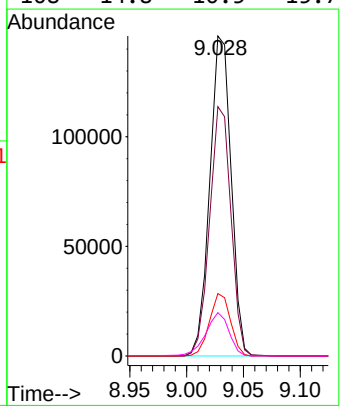
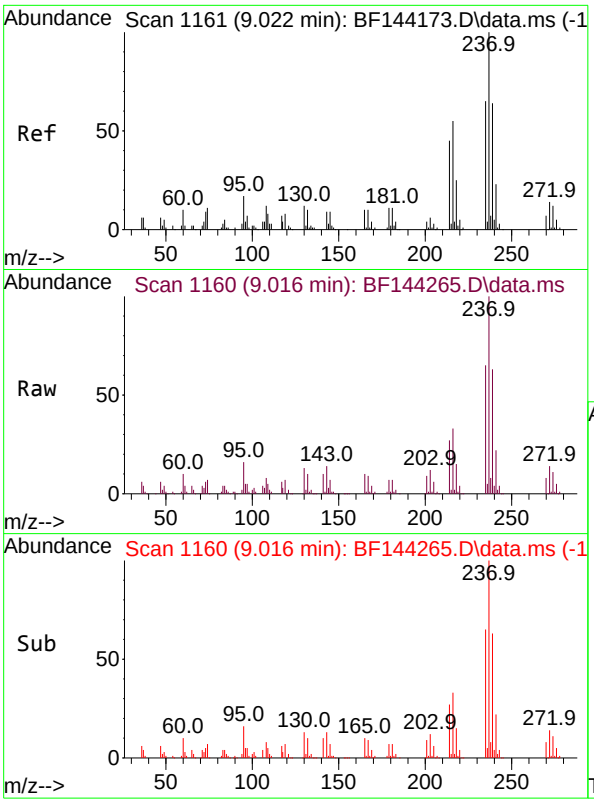


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.851 ng
RT: 9.028 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:216 Resp: 190679

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.4	95.2
179	19.1	15.0	22.4
108	14.8	10.5	15.7

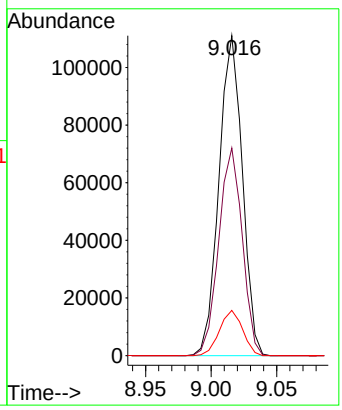




#41
Hexachlorocyclopentadiene
Concen: 83.412 ng
RT: 9.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:237 Resp: 13780

Ion	Ratio	Lower	Upper
237	100		
235	64.9	45.5	85.5
272	14.1	0.0	33.5



Instrument :
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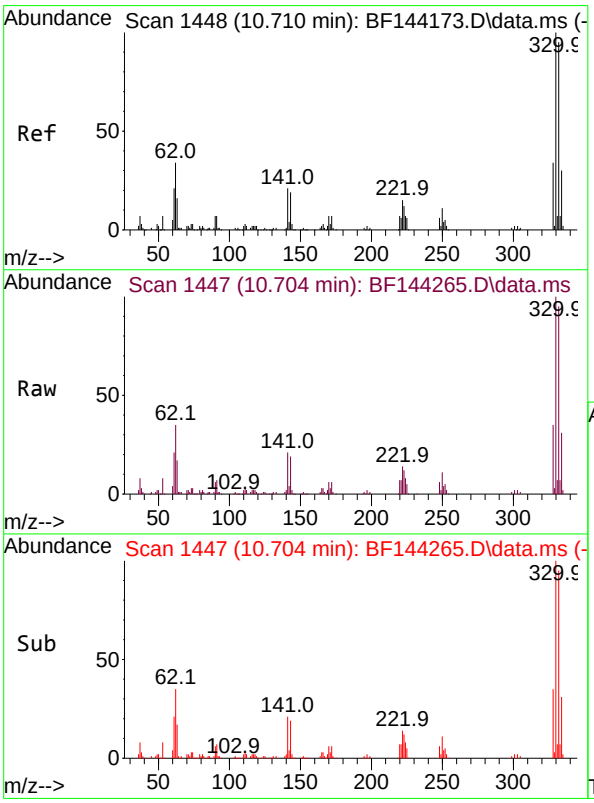
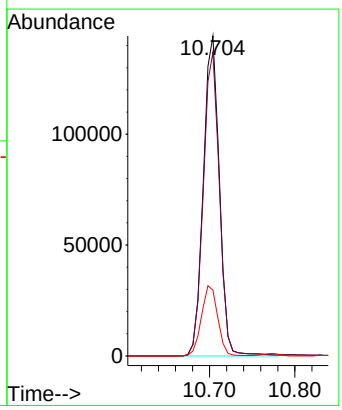
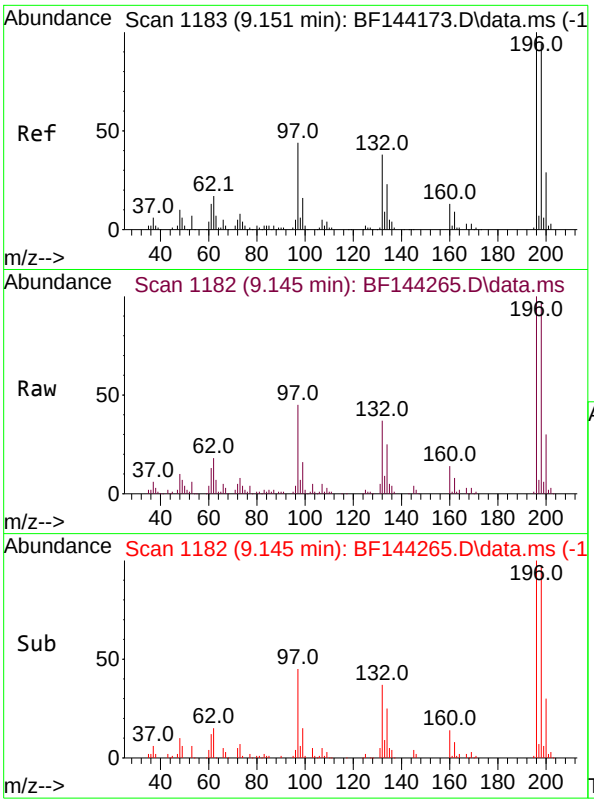


#42
2,4,6-Tribromophenol
Concen: 118.318 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:330 Resp: 188405

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.7	115.1
141	22.3	17.8	26.8

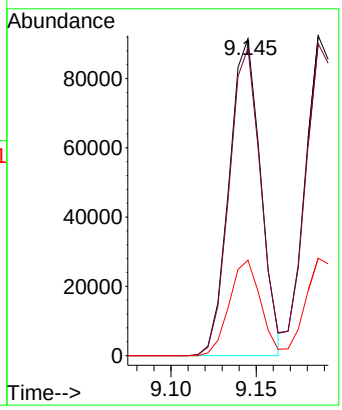




#43
2,4,6-Trichlorophenol
Concen: 41.446 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:196 Resp: 11731

Ion	Ratio	Lower	Upper
196	100		
198	97.1	75.3	112.9
200	30.1	23.4	35.2



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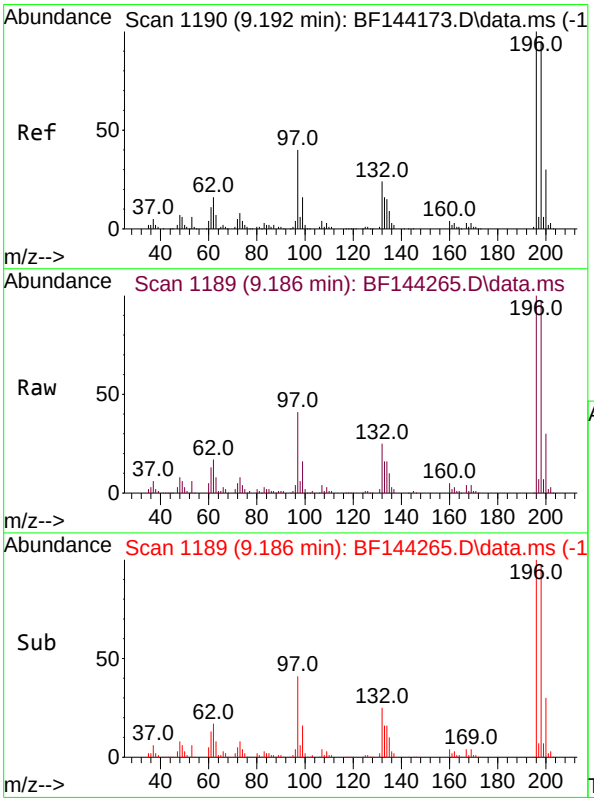
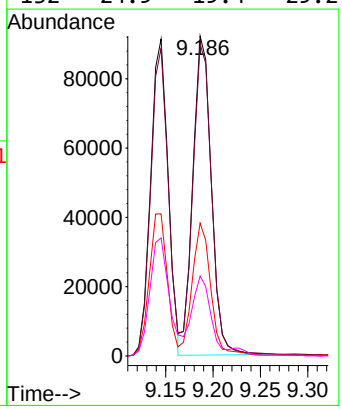
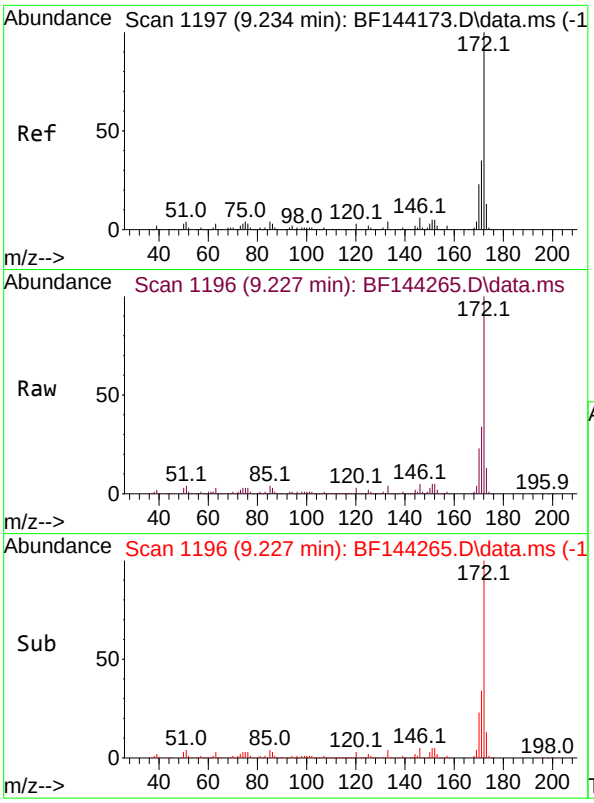


#44
2,4,5-Trichlorophenol
Concen: 40.965 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:196 Resp: 124969

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
97	41.5	31.9	47.9
132	24.9	19.4	29.2

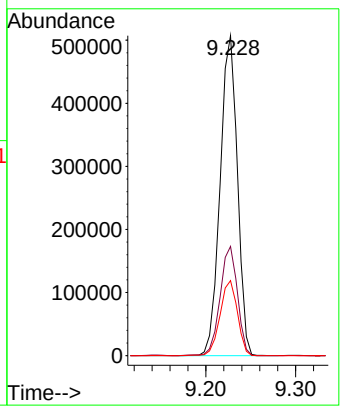




#45
2-Fluorobiphenyl
Concen: 79.166 ng
RT: 9.227 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:172 Resp: 680168

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.1	42.1
170	23.4	18.6	28.0



Instrument :
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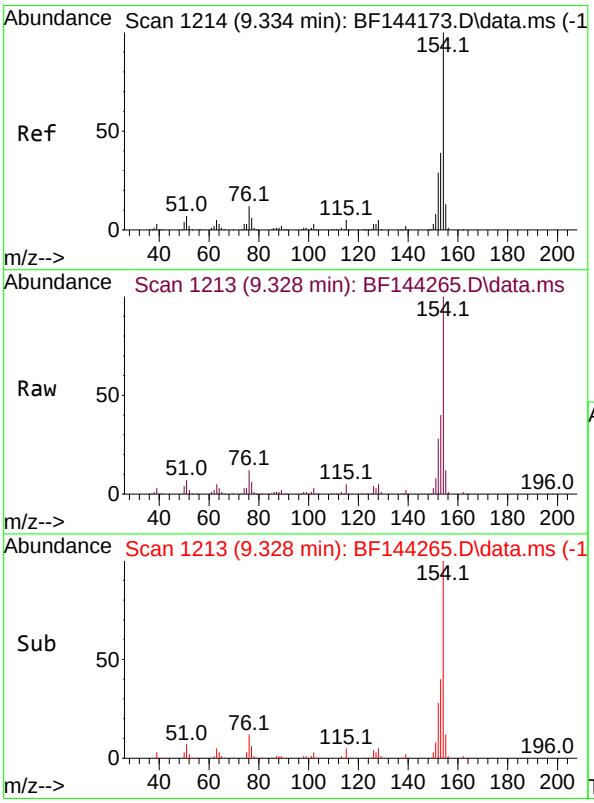
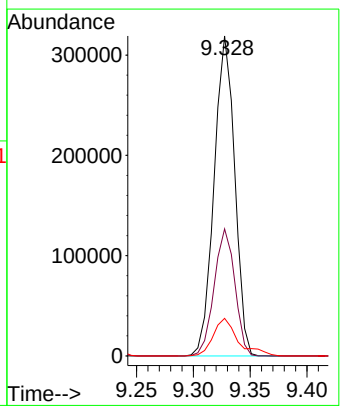
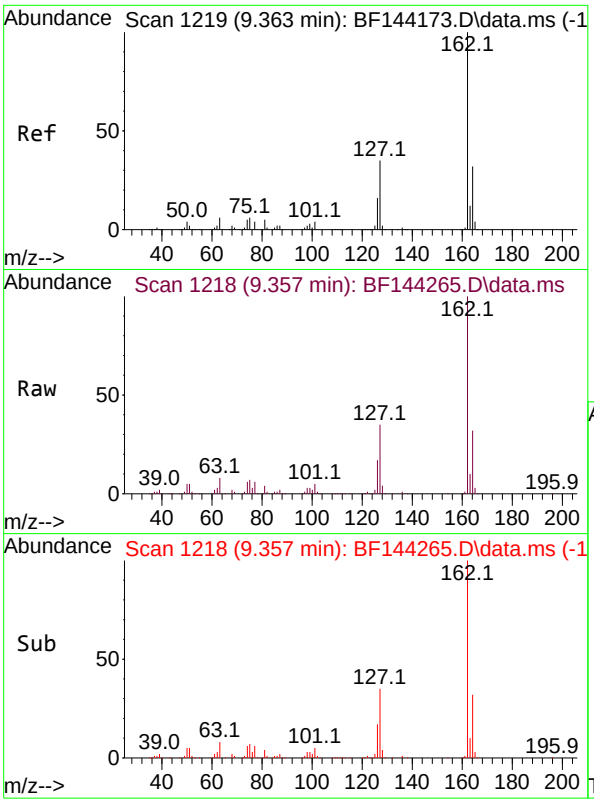


#46
1,1'-Biphenyl
Concen: 45.451 ng
RT: 9.328 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:154 Resp: 402584

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.2	59.2
76	11.7	0.0	31.8

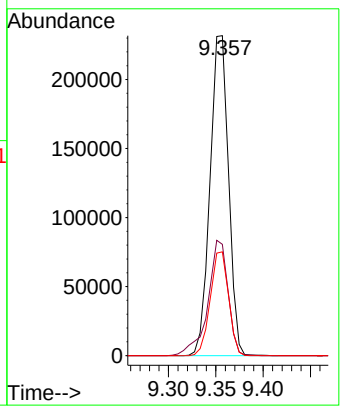




#47
2-Chloronaphthalene
Concen: 41.719 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:162 Resp: 31521

Ion	Ratio	Lower	Upper
162	100		
127	34.8	28.8	43.2
164	32.4	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
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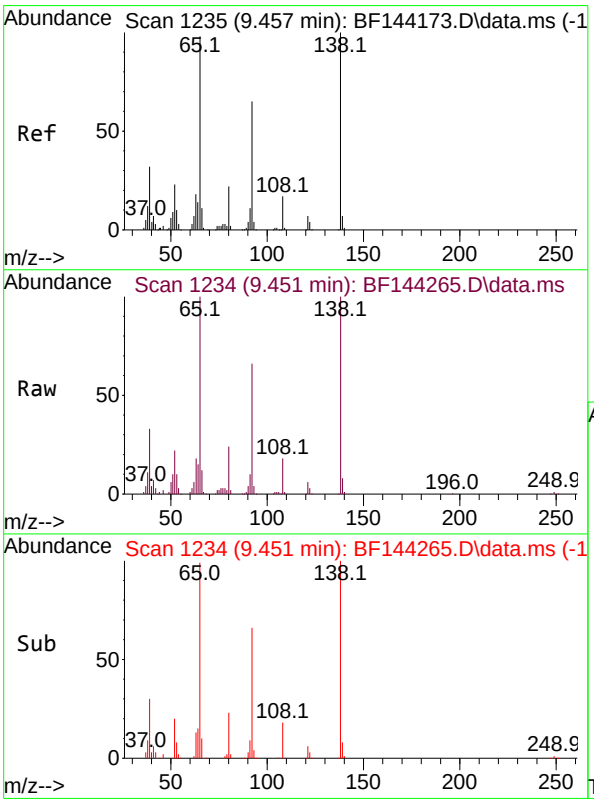
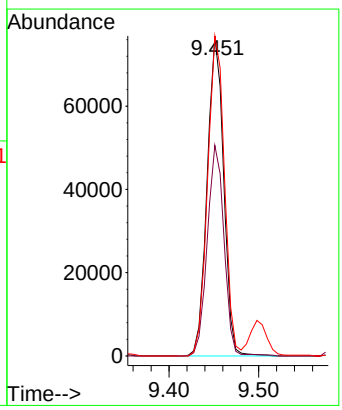
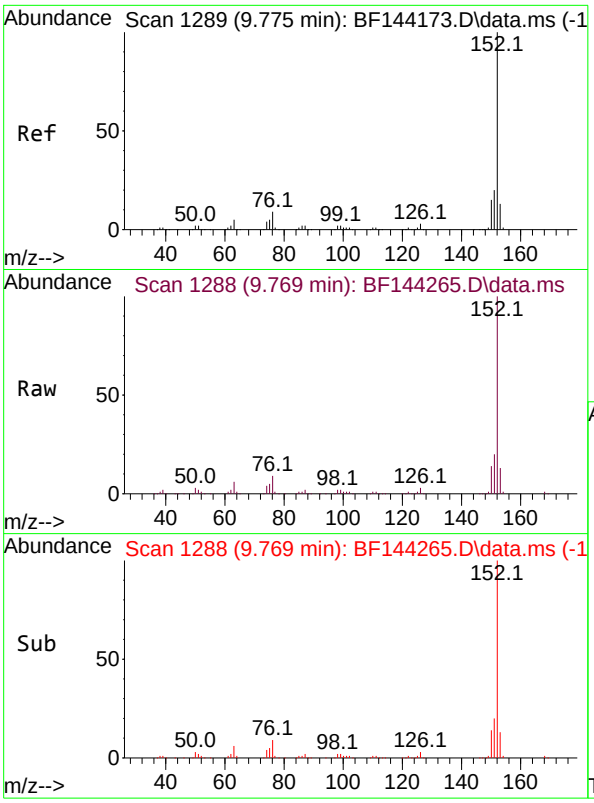


#48
2-Nitroaniline
Concen: 44.964 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 65 Resp: 98024

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.0	79.6
138	100.1	81.6	122.4

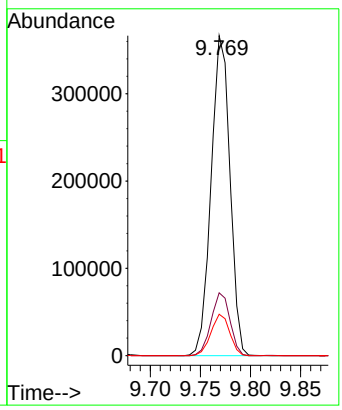




#49
Acenaphthylene
Concen: 46.599 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:152 Resp: 47979

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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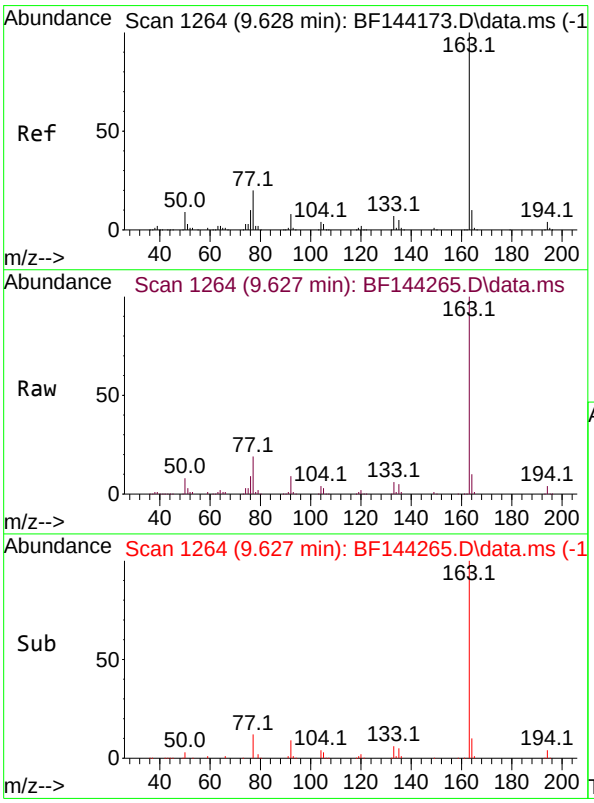
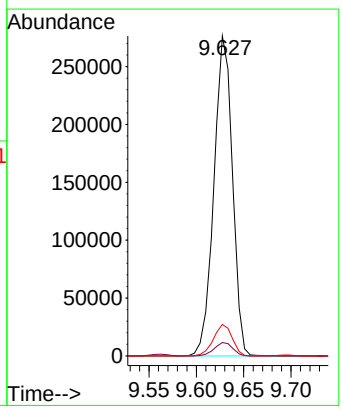
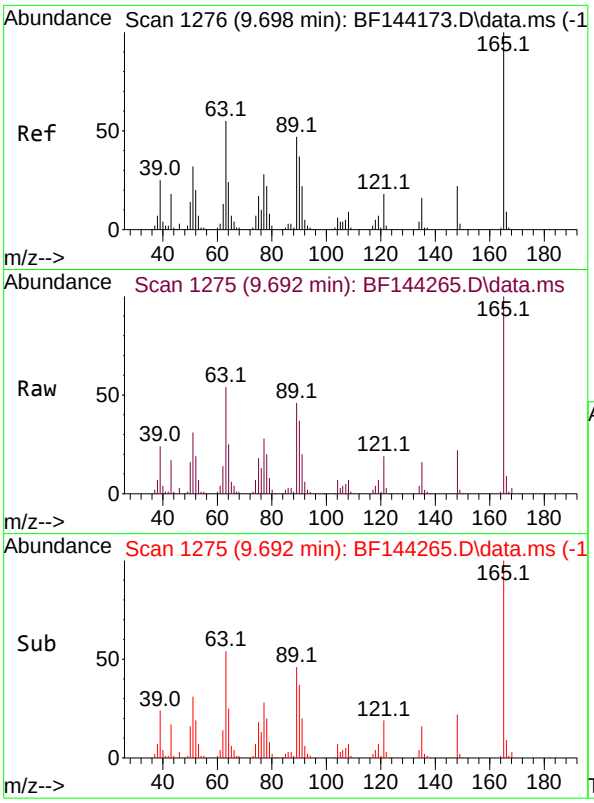


#50
Dimethylphthalate
Concen: 44.725 ng
RT: 9.627 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:163 Resp: 375975

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.1	12.1

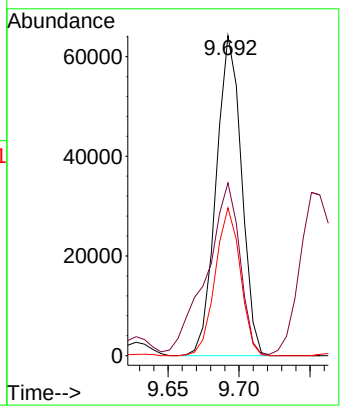




#51
2,6-Dinitrotoluene
Concen: 46.914 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:165 Resp: 7983

Ion	Ratio	Lower	Upper
165	100		
63	54.0	43.8	65.8
89	46.2	37.5	56.3



Instrument :
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ClientSampleId :
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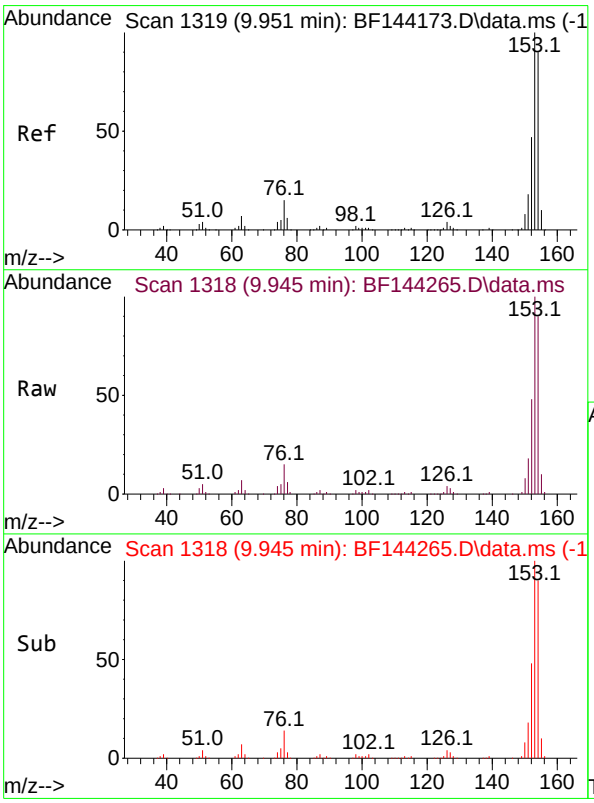
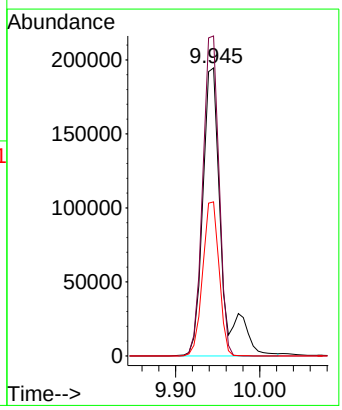
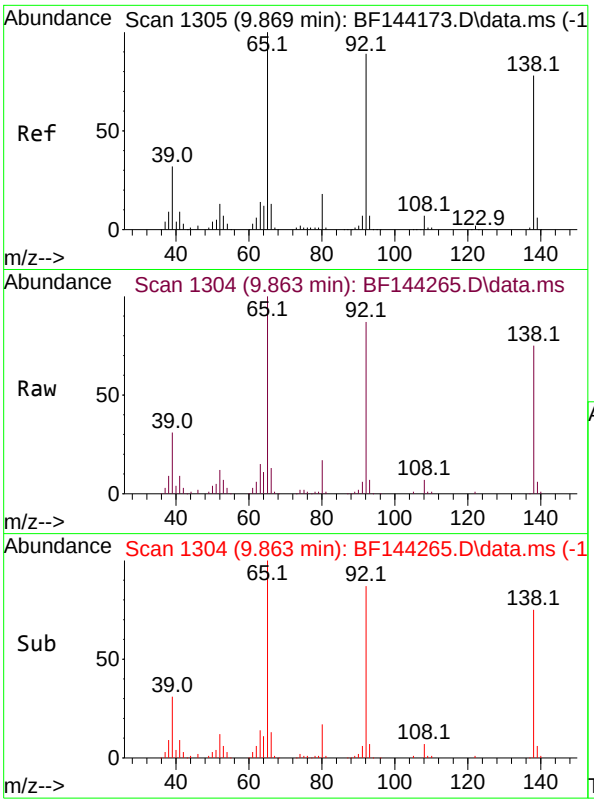


#52
Acenaphthene
Concen: 43.626 ng m
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:154 Resp: 300376

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	53.5	42.2	63.4





#53
3-Nitroaniline
Concen: 30.470 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:138 Resp: 5668

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.5	11.3
92	116.3	91.8	137.6

Instrument :
BNA_F
ClientSampleId :
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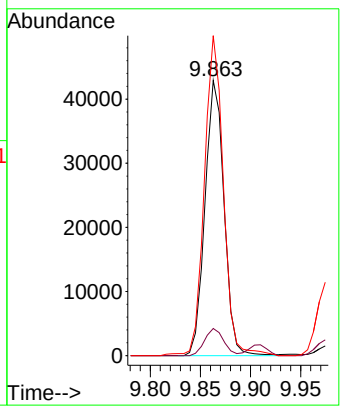
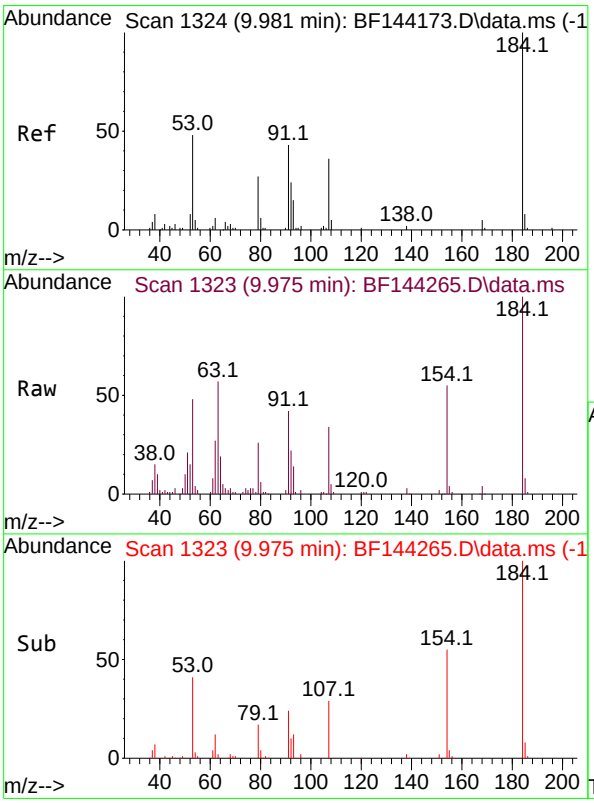
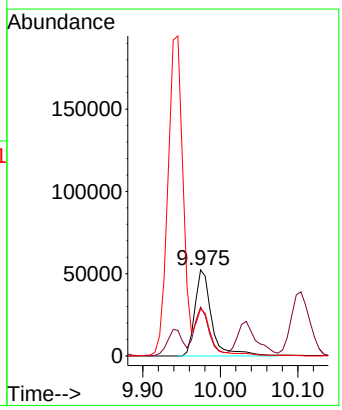


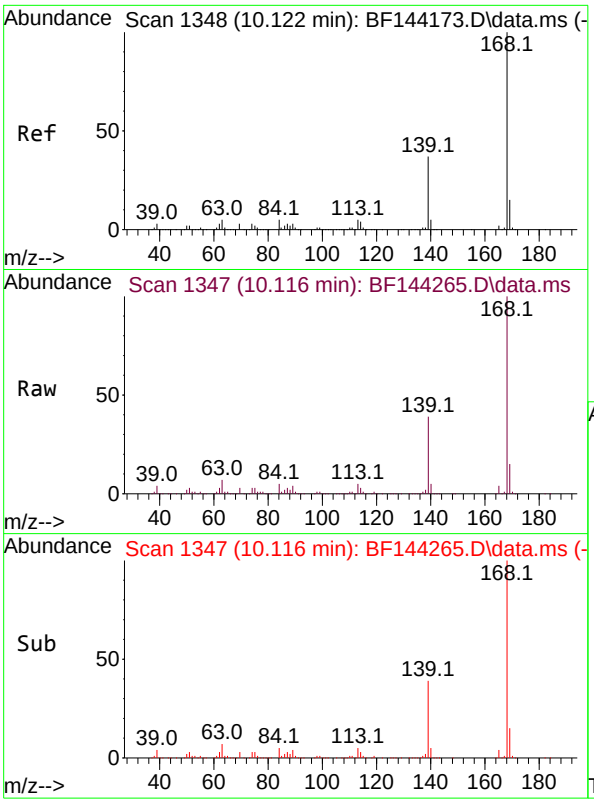


#54
2,4-Dinitrophenol
Concen: 76.525 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:184 Resp: 78637

Ion	Ratio	Lower	Upper
184	100		
63	56.7	44.0	66.0
154	54.8	42.4	63.6

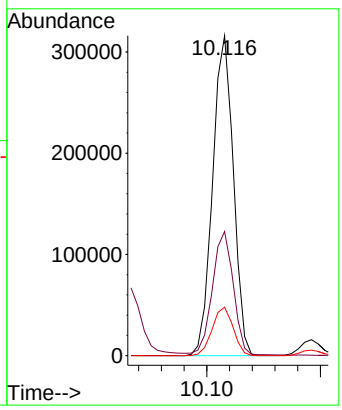




#55
Dibenzofuran
Concen: 41.532 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:168 Resp: 40049

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.2	45.2
169	15.1	12.2	18.4



Instrument :
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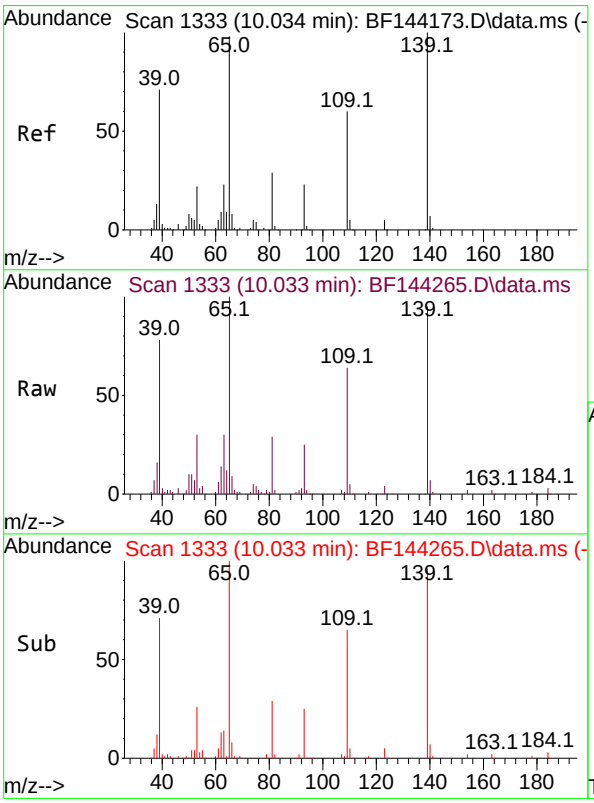
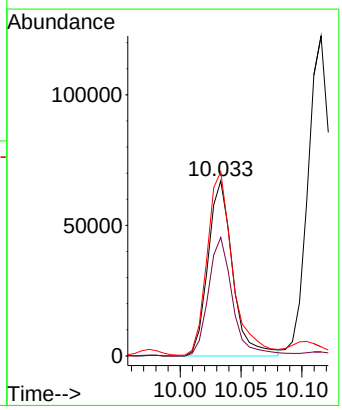
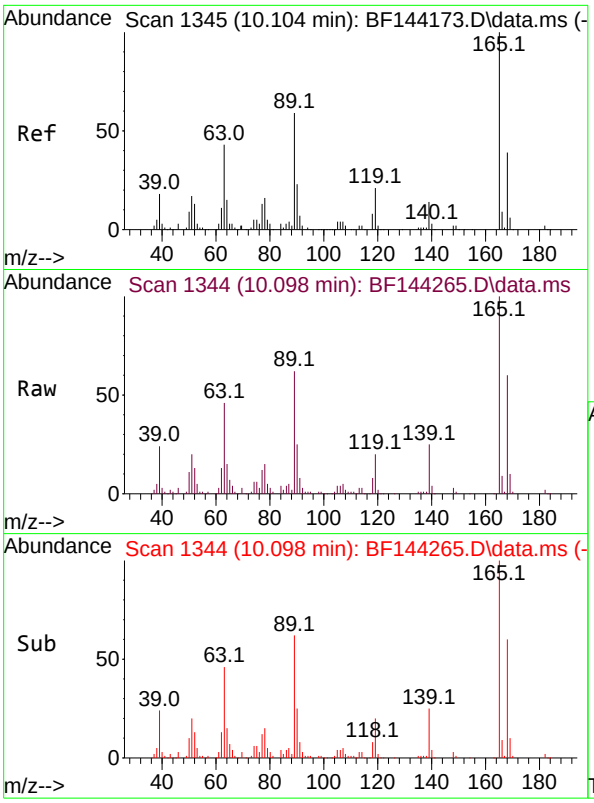


#56
4-Nitrophenol
Concen: 70.187 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:139 Resp: 94446

Ion	Ratio	Lower	Upper
139	100		
109	67.7	39.9	79.9
65	105.3	79.5	119.5

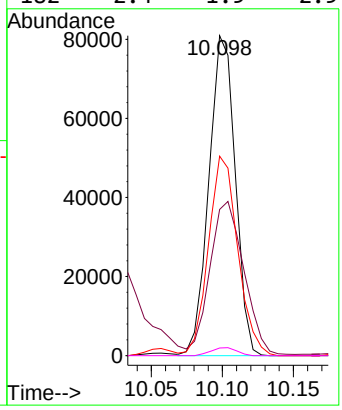




#57
2,4-Dinitrotoluene
Concen: 45.935 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:165 Resp: 10464

Ion	Ratio	Lower	Upper
165	100		
63	45.7	35.5	53.3
89	62.3	47.4	71.2
182	2.4	1.9	2.9



Instrument :
BNA_F
ClientSampleId :
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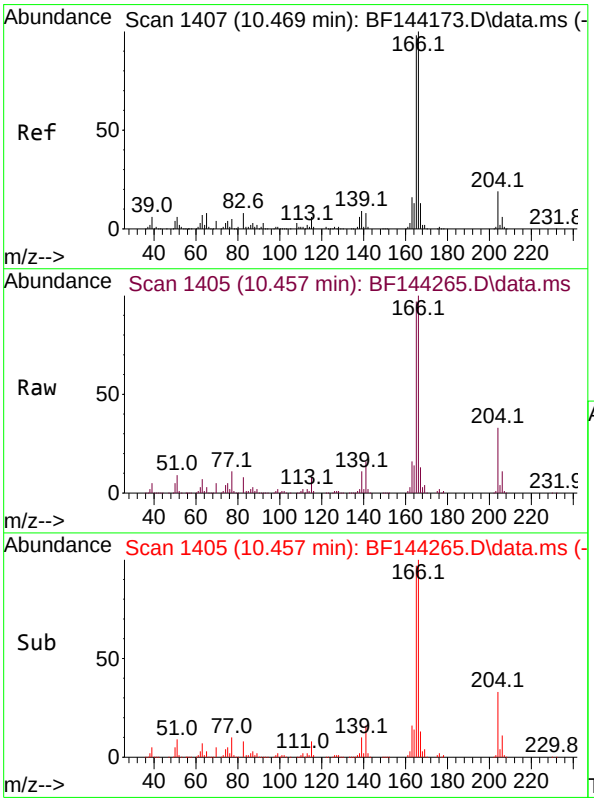
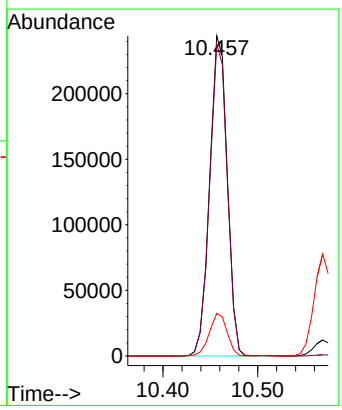
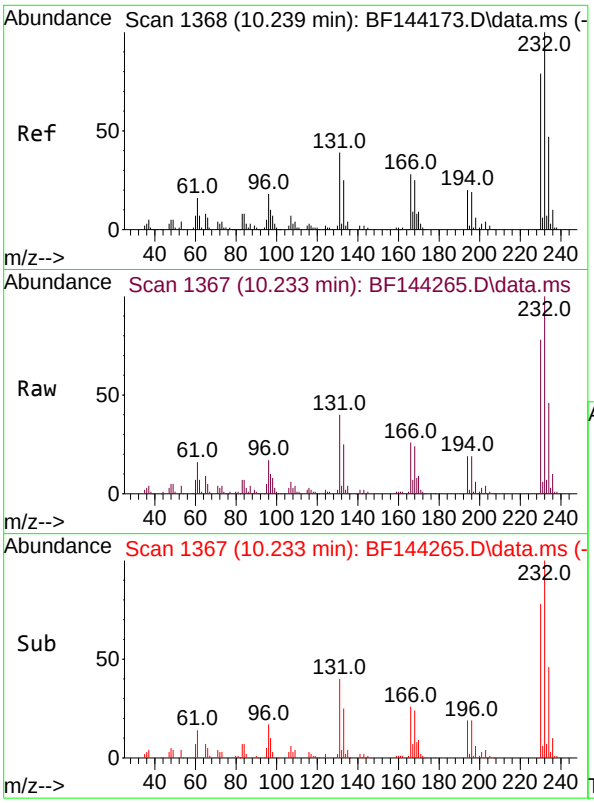


#58
Fluorene
Concen: 43.013 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:166 Resp: 315358

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	118.0
167	13.3	10.4	15.6

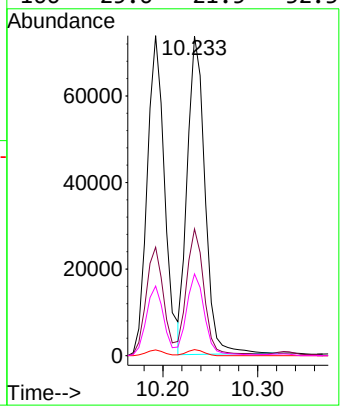




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.136 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:232 Resp: 9526

Ion	Ratio	Lower	Upper
232	100		
131	40.9	30.3	45.5
130	1.8	1.2	1.8#
166	25.6	21.5	32.3



Instrument :
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ClientSampleId :
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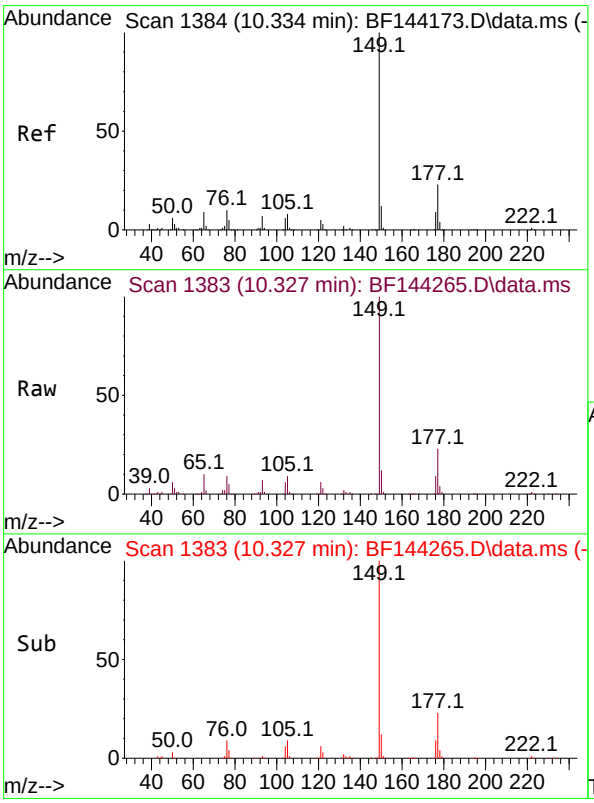
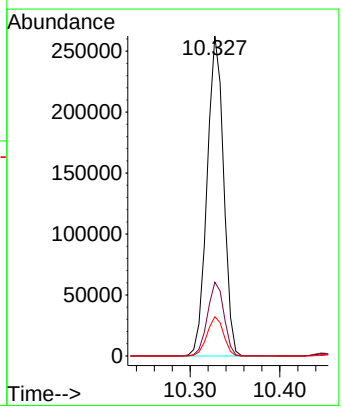
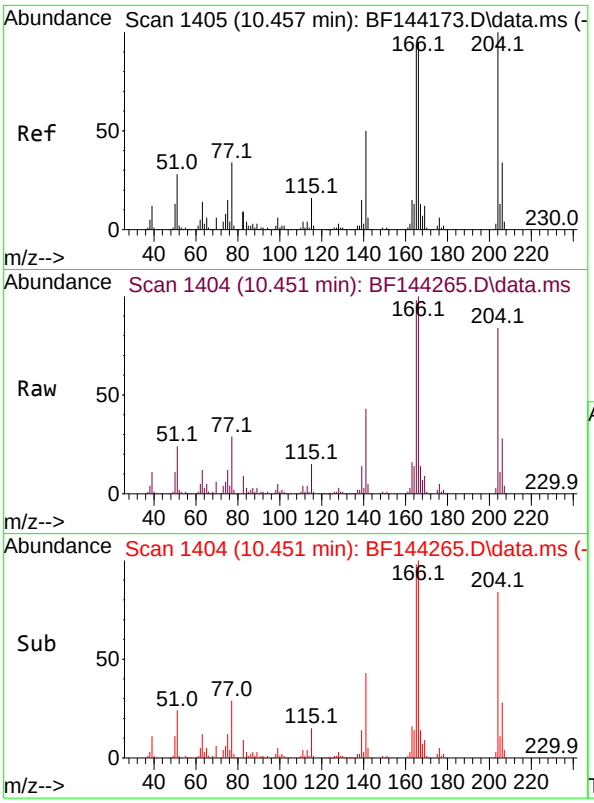


#60
Diethylphthalate
Concen: 43.446 ng
RT: 10.327 min Scan# 1383
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:149 Resp: 336684

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.2	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 41.288 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Tgt Ion:204 Resp: 17243

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.4	41.2
141	50.9	40.0	60.0

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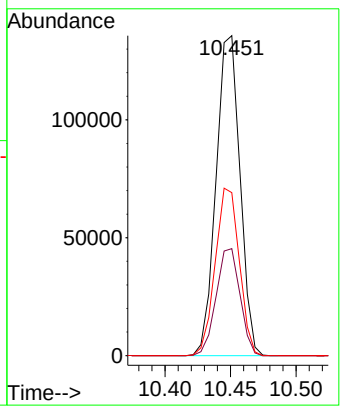

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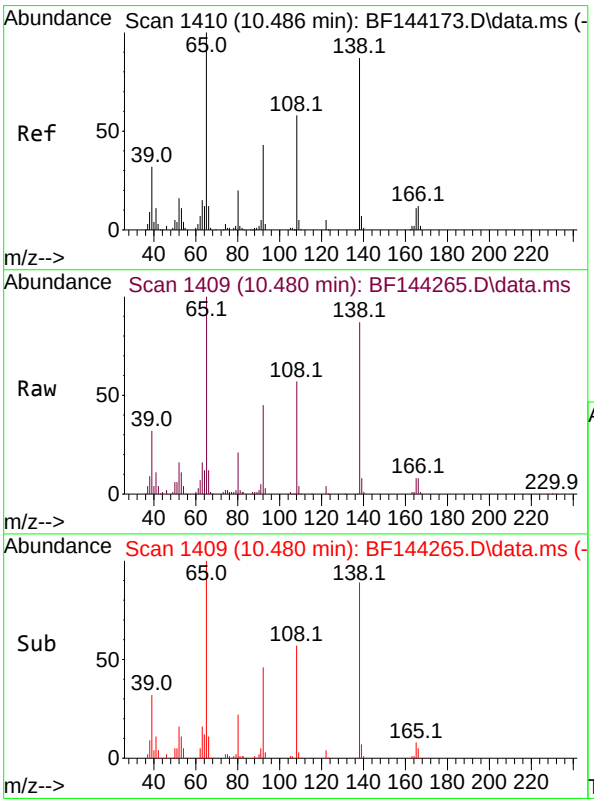
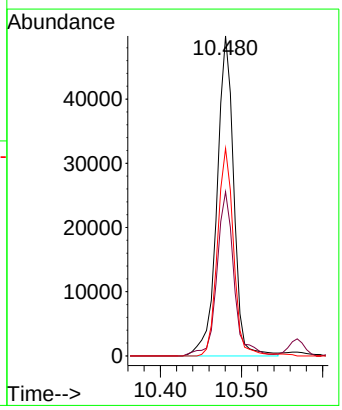
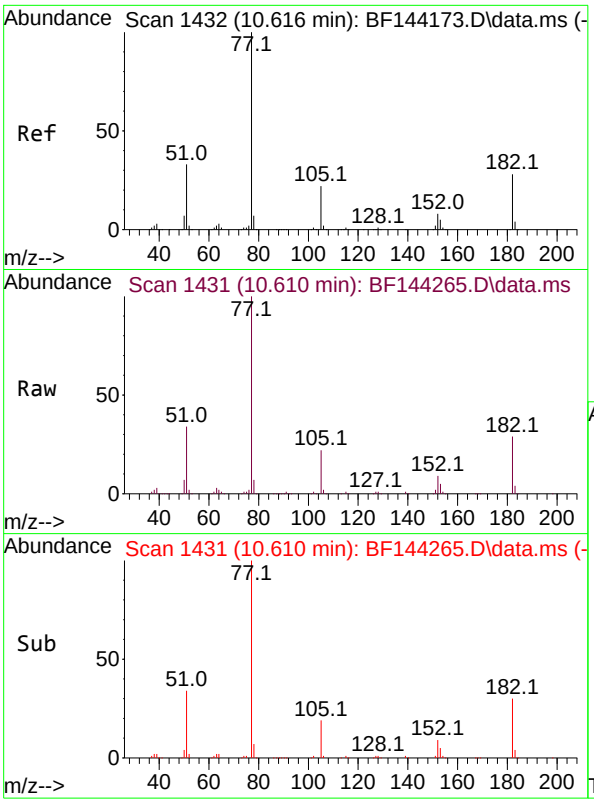


#62
4-Nitroaniline
Concen: 40.370 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:138 Resp: 71517

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.4	69.4
108	64.8	46.4	86.4

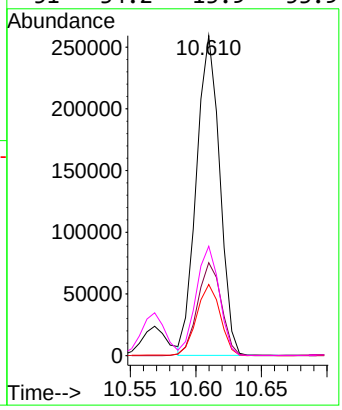




#63
Azobenzene
Concen: 44.374 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion: 77 Resp: 32003

Ion	Ratio	Lower	Upper
77	100		
182	29.0	8.1	48.1
105	22.2	2.0	42.0
51	34.2	13.9	53.9



Instrument :
BNA_F
ClientSampleId :
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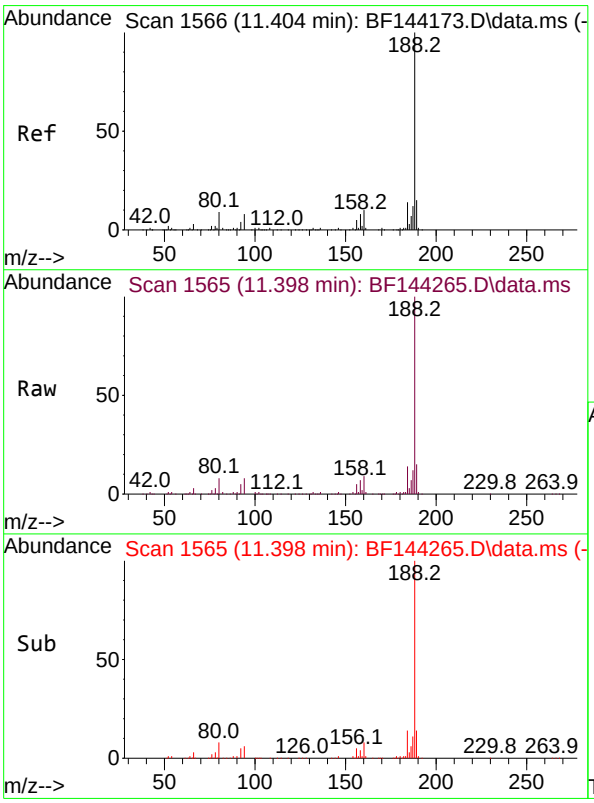
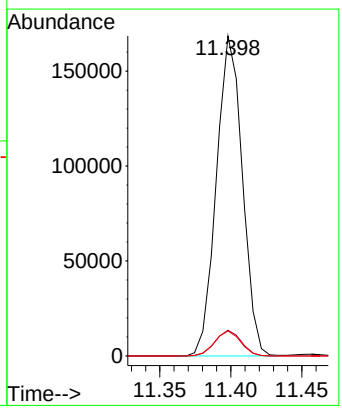
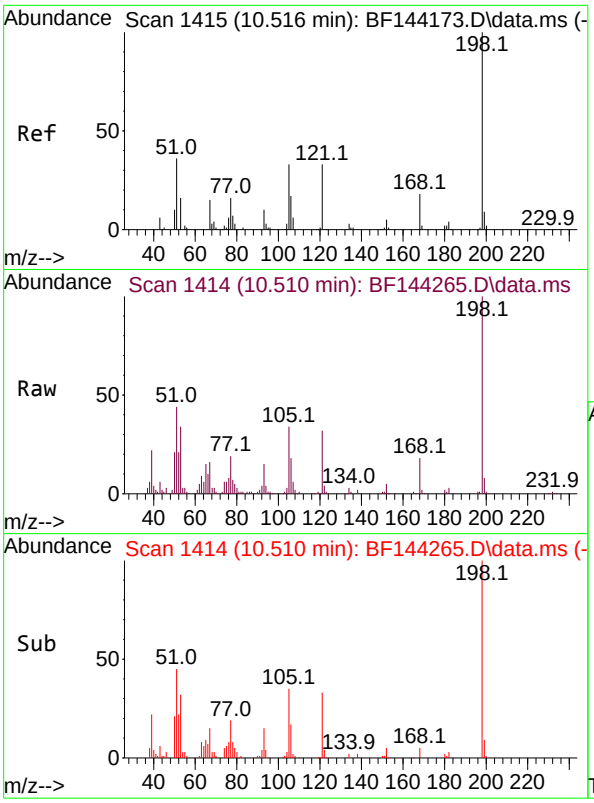


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:188 Resp: 214778

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.2	9.2
80	7.8	6.9	10.3





#65
4,6-Dinitro-2-methylphenol
Concen: 42.332 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:198 Resp: 6176

Ion	Ratio	Lower	Upper
198	100		
51	43.6	25.6	65.6
105	34.2	14.6	54.6

Instrument :
BNA_F
ClientSampleId :
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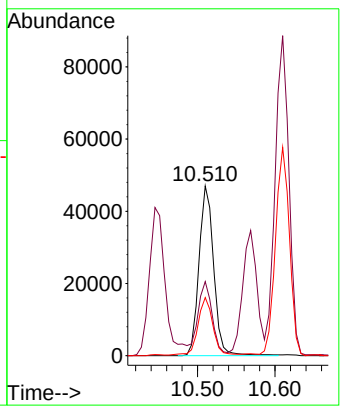
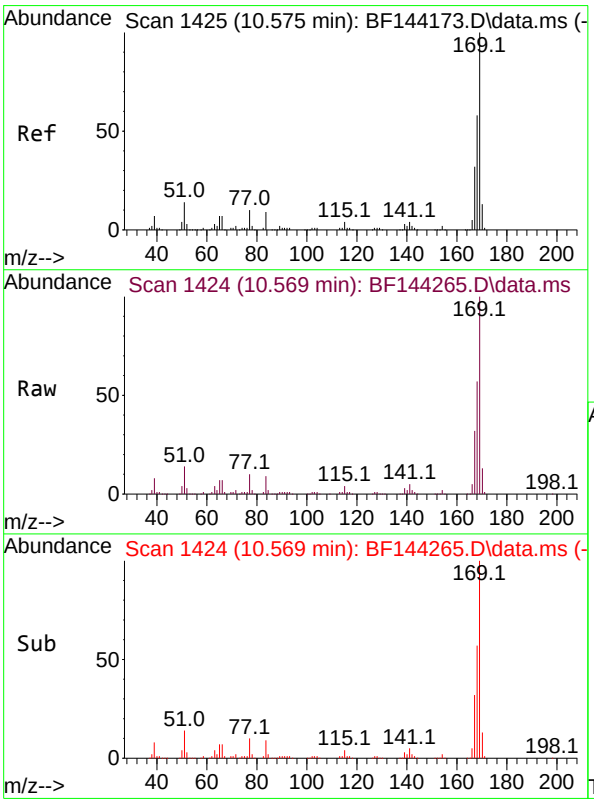
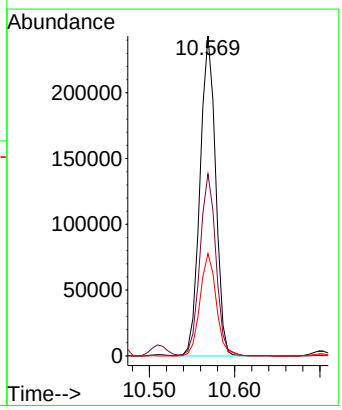


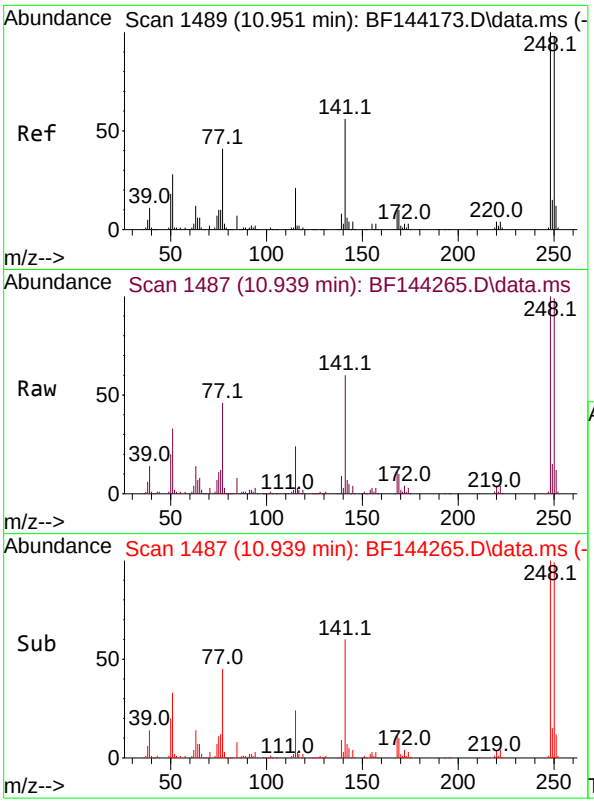


#66
n-Nitrosodiphenylamine
Concen: 44.767 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:169 Resp: 309243

Ion	Ratio	Lower	Upper
169	100		
168	56.9	46.2	69.2
167	32.0	25.7	38.5





#67
4-Bromophenyl-phenylether
Concen: 42.855 ng
RT: 10.939 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:248 Resp: 11748

Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.4	117.6
141	59.8	45.1	67.7

Instrument :
BNA_F
ClientSampleId :
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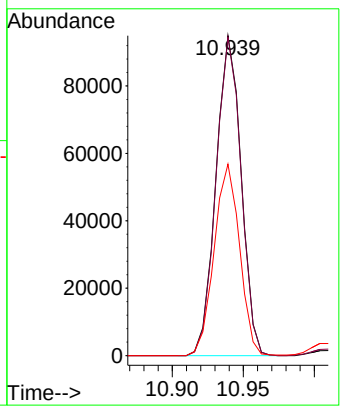

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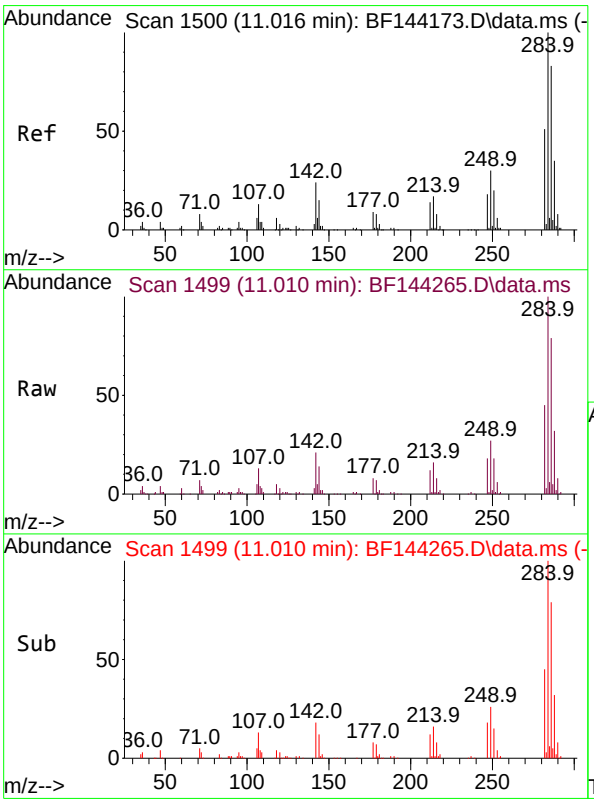
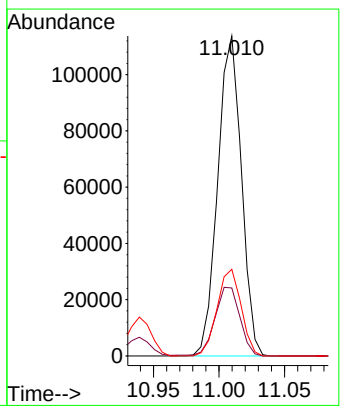
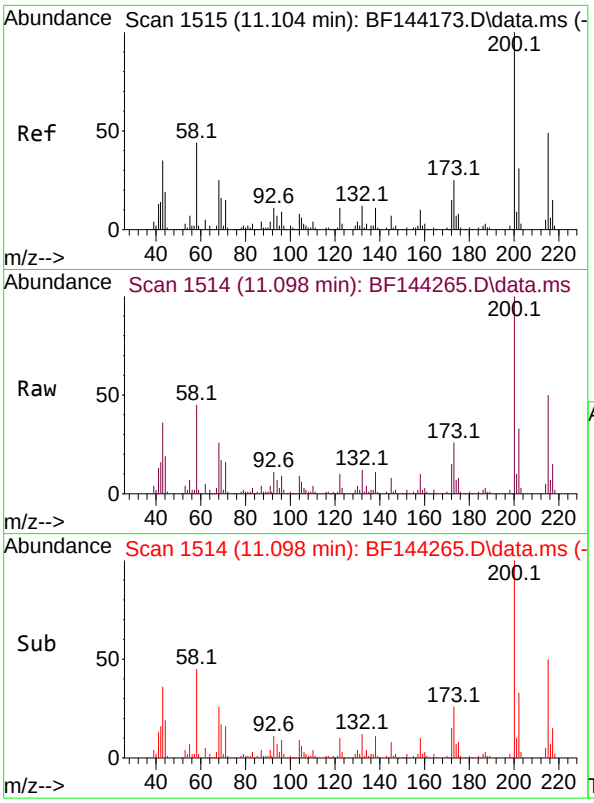


#68
Hexachlorobenzene
Concen: 44.304 ng
RT: 11.010 min Scan# 1499
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:284 Resp: 143061

Ion	Ratio	Lower	Upper
284	100		
142	21.2	19.2	28.8
249	27.1	23.8	35.8

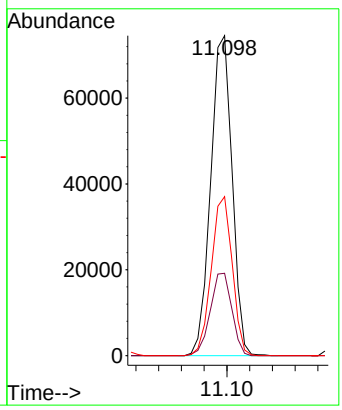




#69
Atrazine
Concen: 44.457 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:200 Resp: 9766

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.0	45.0
215	49.7	28.7	68.7



Instrument :
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ClientSampleId :
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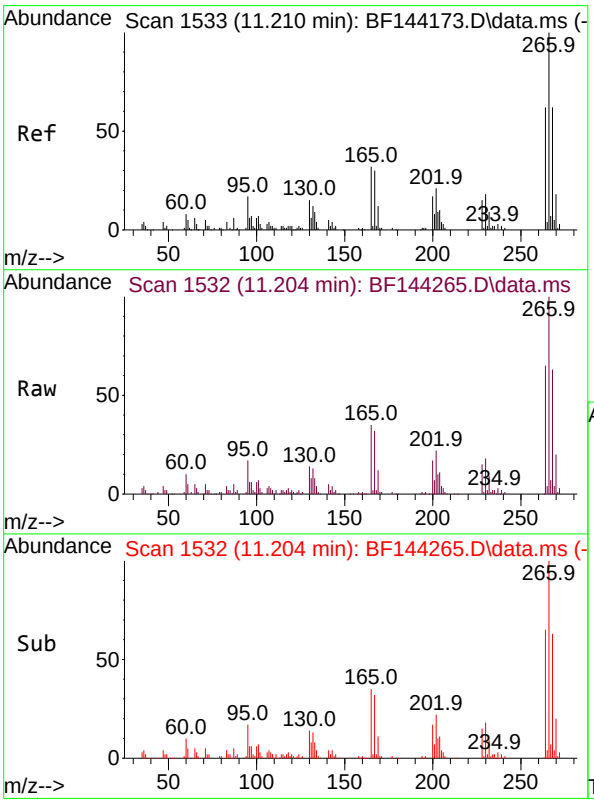
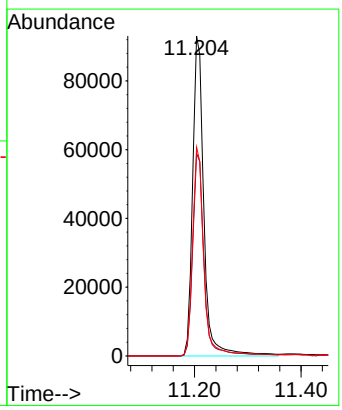
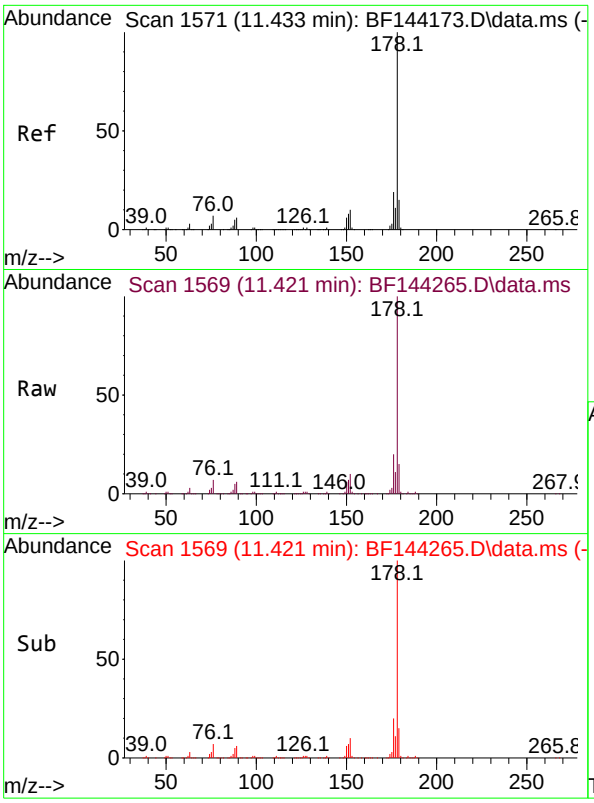


#70
Pentachlorophenol
Concen: 84.697 ng
RT: 11.204 min Scan# 1532
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:266 Resp: 136188

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.5	74.3
264	65.2	49.4	74.2

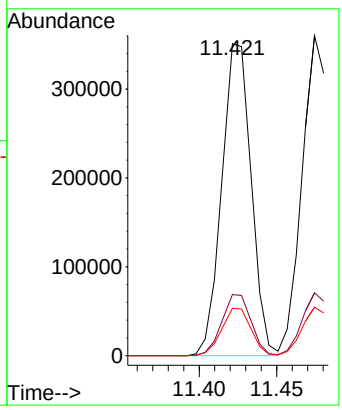




#71
Phenanthrene
Concen: 43.593 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:178 Resp: 46616

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.1	12.2	18.4



Instrument :
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ClientSampleId :
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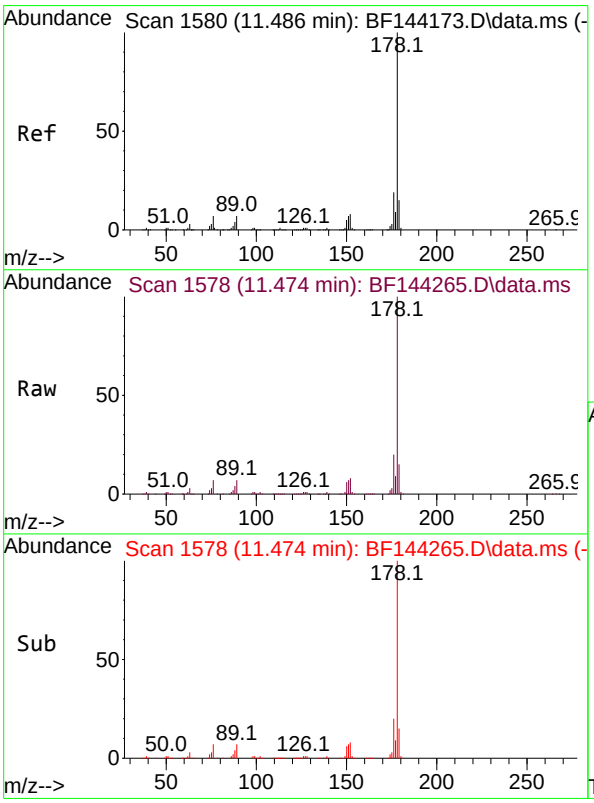
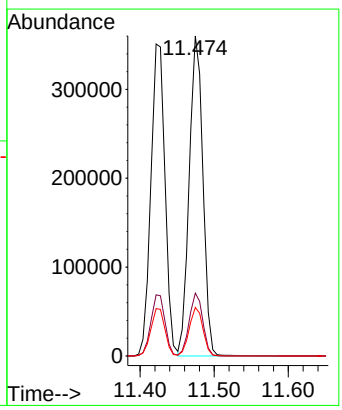
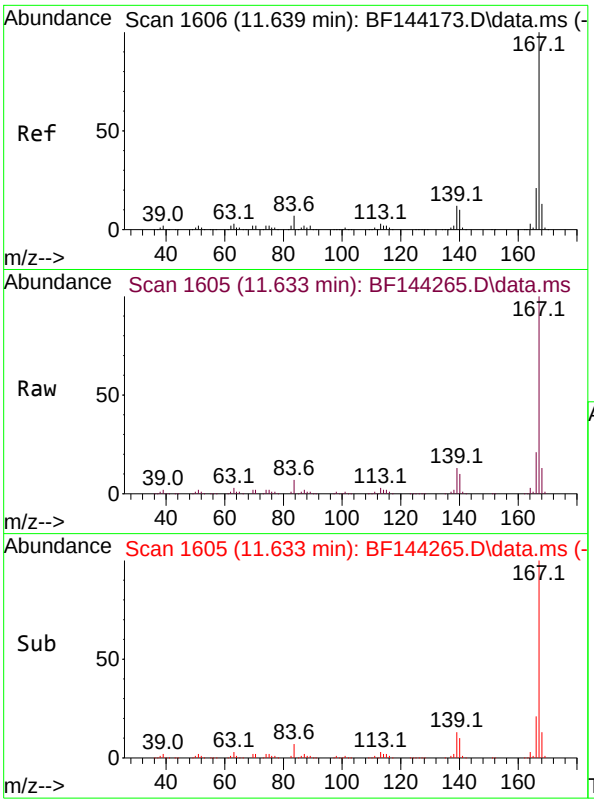


#72
Anthracene
Concen: 42.456 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:178 Resp: 461640

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.1	12.0	18.0

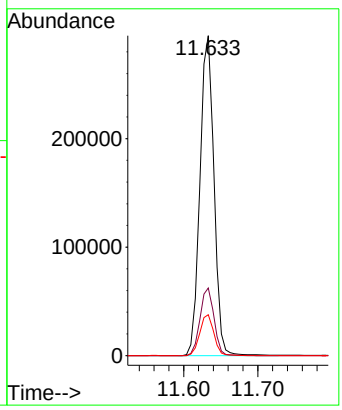




#73
Carbazole
Concen: 41.951 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:167 Resp: 38787

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.8	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
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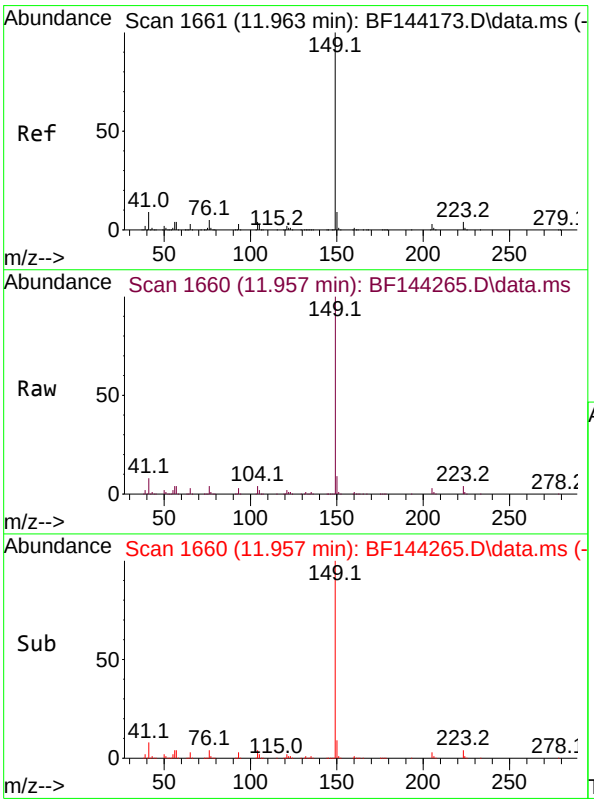
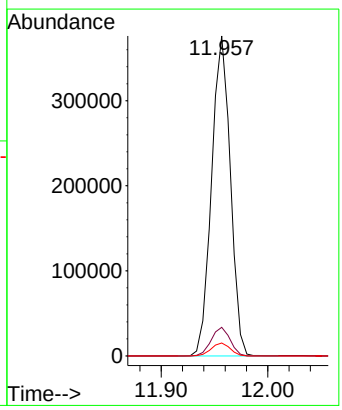
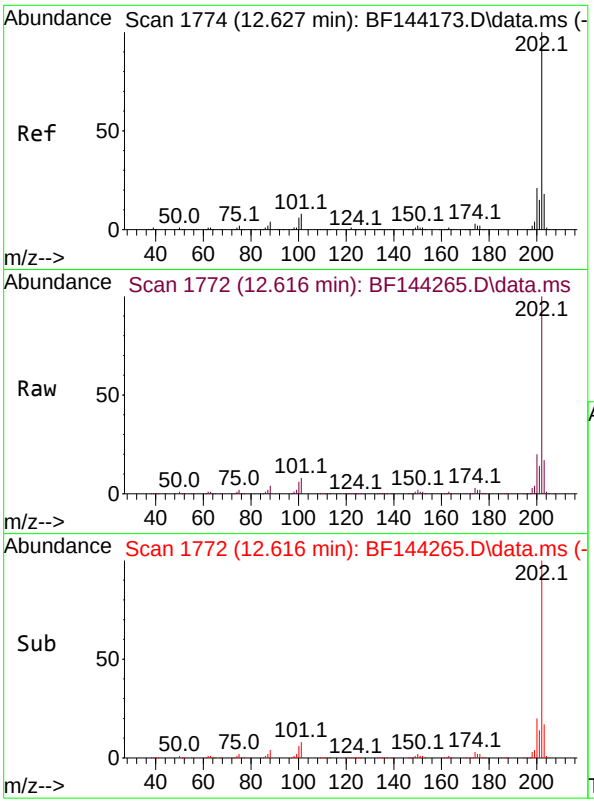


#74
Di-n-butylphthalate
Concen: 41.248 ng
RT: 11.957 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:149 Resp: 461045

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	4.1	3.4	5.2





#75
Fluoranthene
Concen: 41.772 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:202 Resp: 46143

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.9
203	16.9	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
PB170576BS

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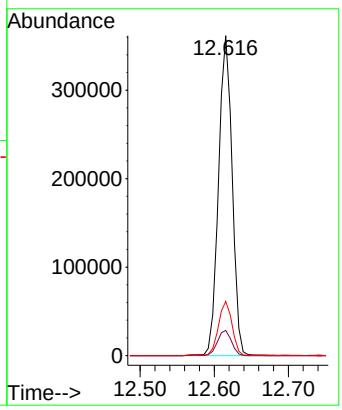

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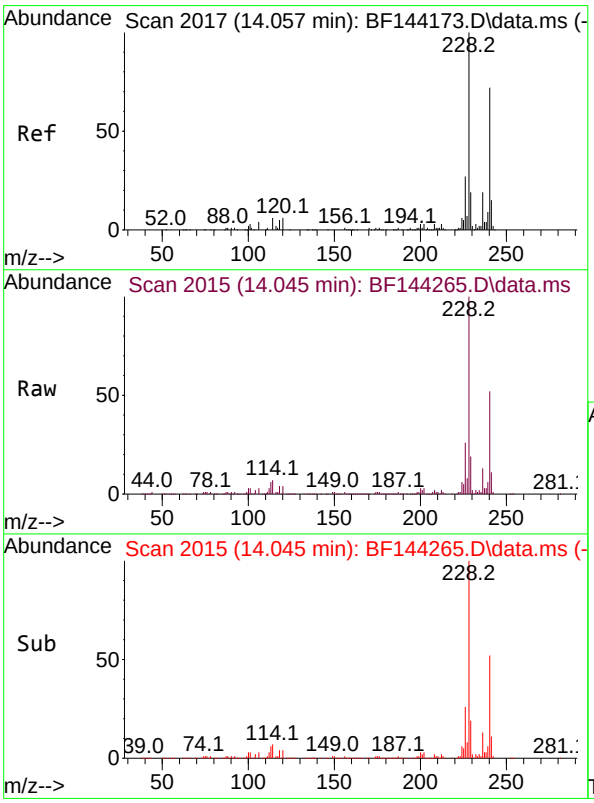
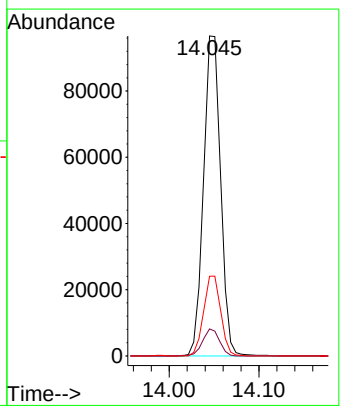
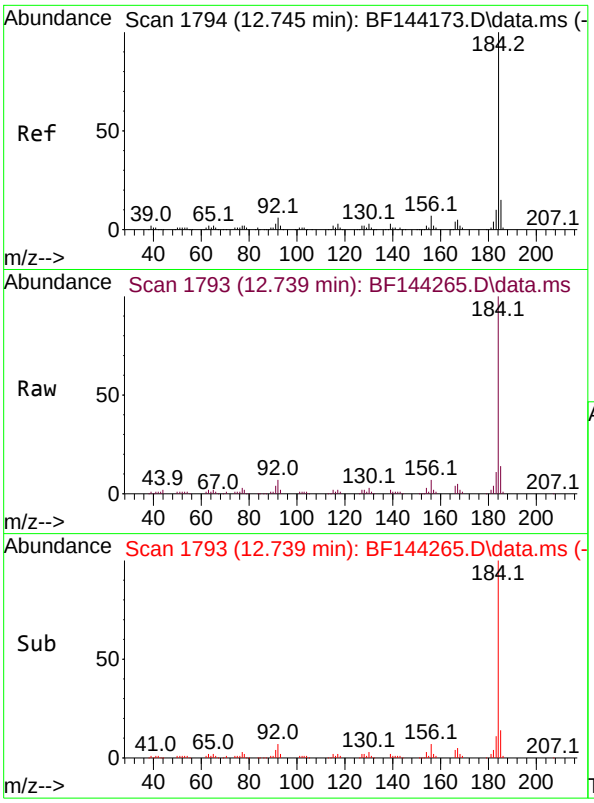


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:240 Resp: 127678

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.6	10.0
236	24.9	21.4	32.2

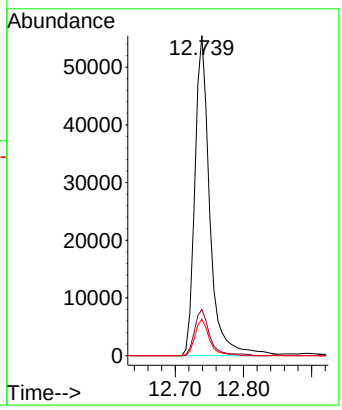




#77
Benzidine
Concen: 22.354 ng
RT: 12.739 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:184 Resp: 8442

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.7	17.5
183	11.3	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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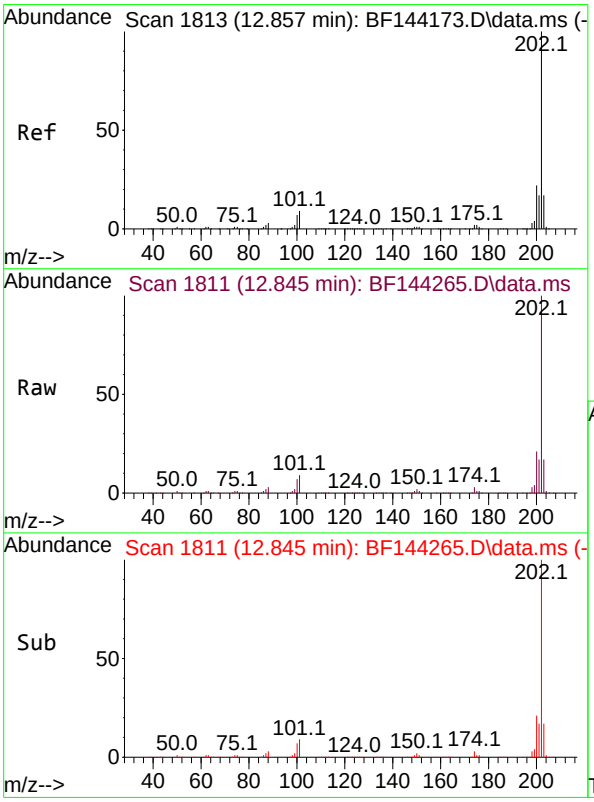
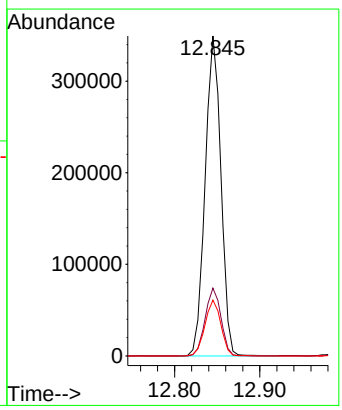
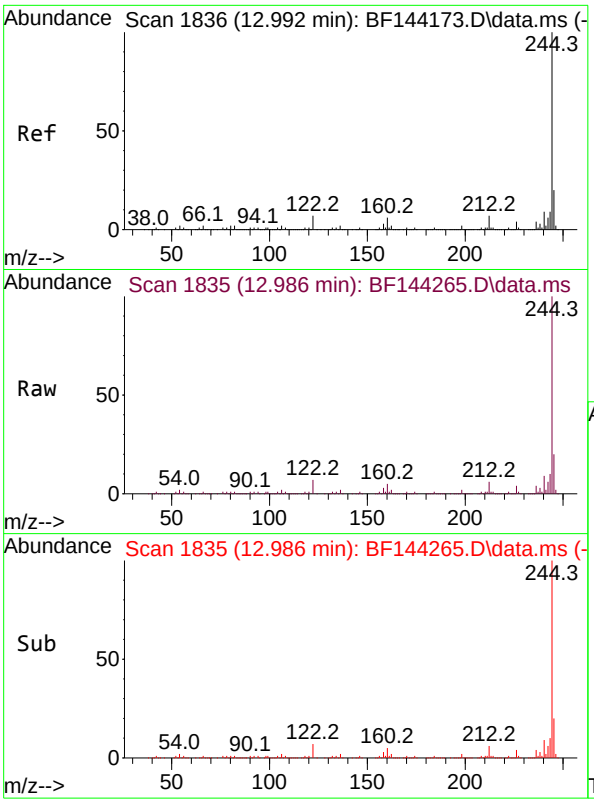


#78
Pyrene
Concen: 43.597 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:202 Resp: 448811

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.4	13.7	20.5





#79
Terphenyl-d14
Concen: 82.498 ng
RT: 12.986 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:244 Resp: 66312

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	6.7	5.6	8.4

Instrument :
BNA_F
ClientSampleId :
PB170576BS

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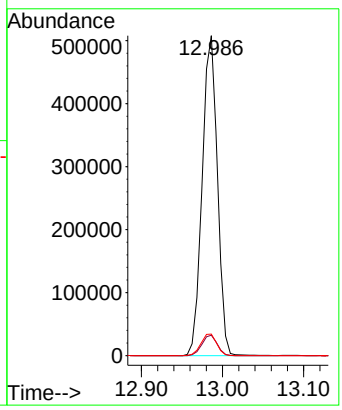

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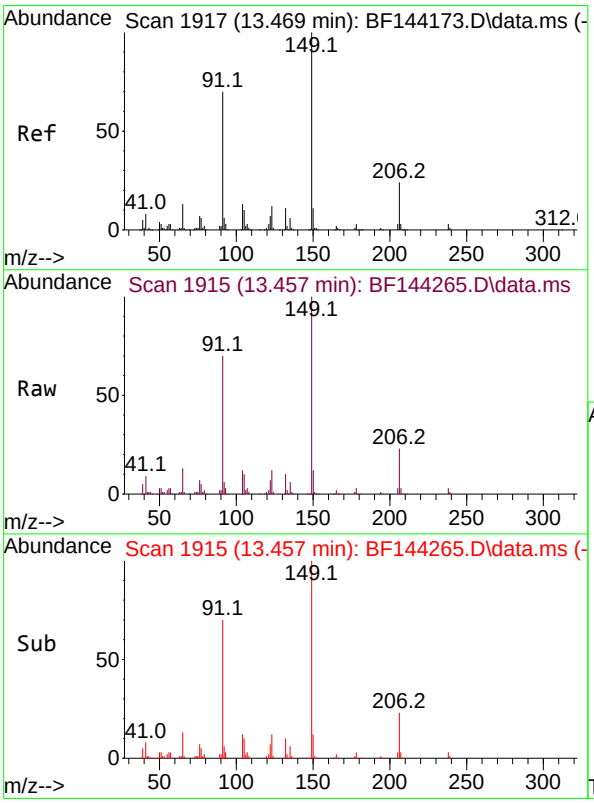
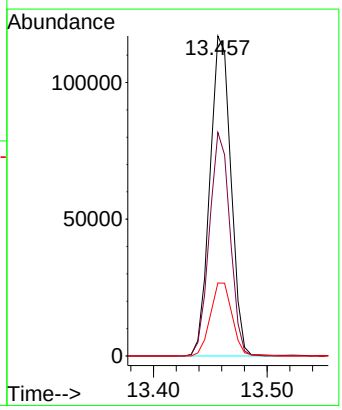
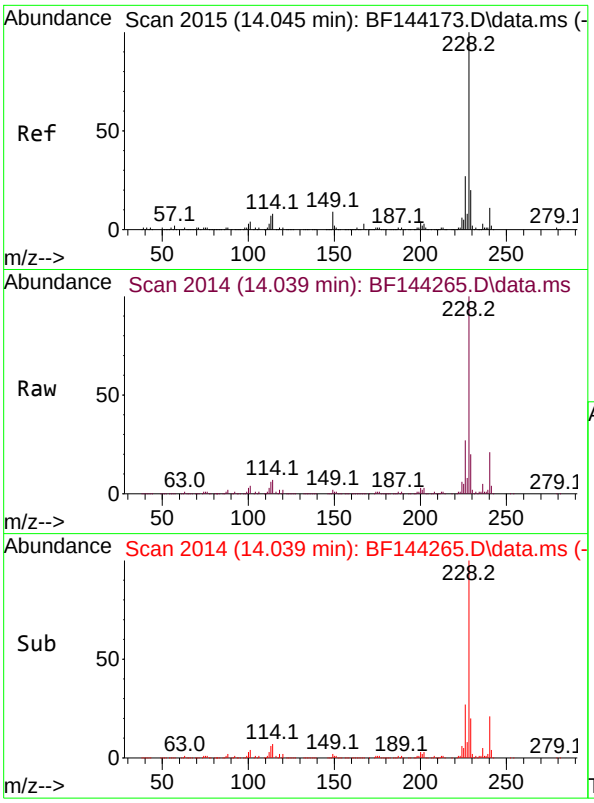


#80
Butylbenzylphthalate
Concen: 42.115 ng
RT: 13.457 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:149 Resp: 150266

Ion	Ratio	Lower	Upper
149	100		
91	69.8	56.1	84.1
206	22.8	18.8	28.2

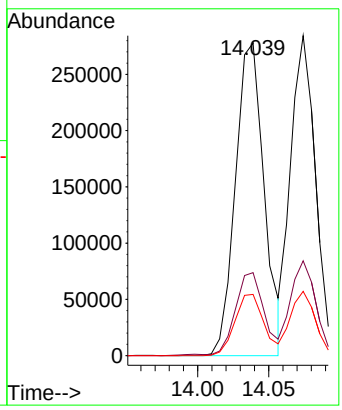




#81
Benzo(a)anthracene
Concen: 44.226 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:228 Resp: 391354

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.8
229	19.6	15.8	23.6



Instrument :
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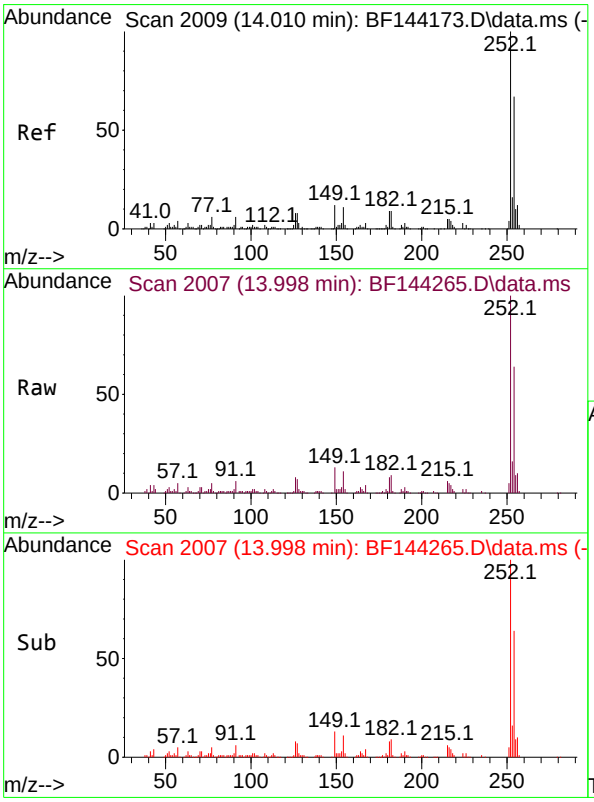
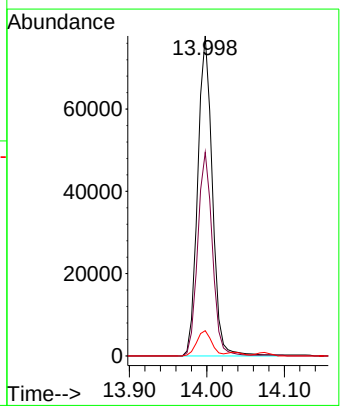
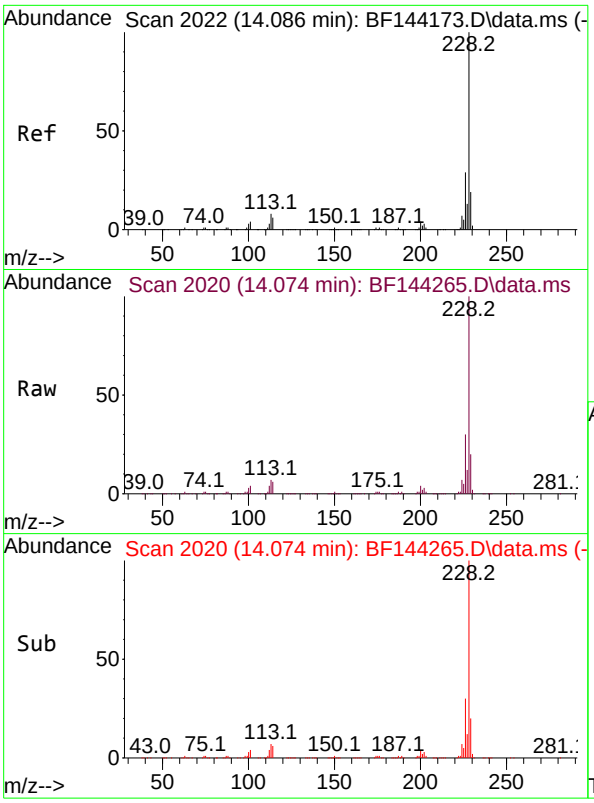


#82
3,3'-Dichlorobenzidine
Concen: 33.650 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:252 Resp: 102068

Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.5	80.3
126	7.9	6.4	9.6

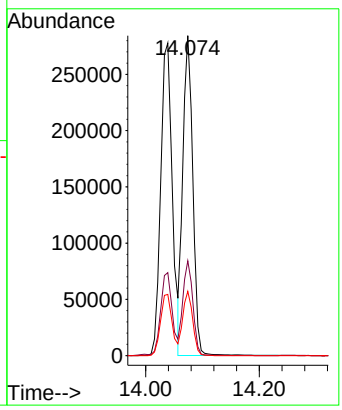




#83
Chrysene
Concen: 42.772 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:228 Resp: 34939

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.9	34.3
229	20.1	15.0	22.6



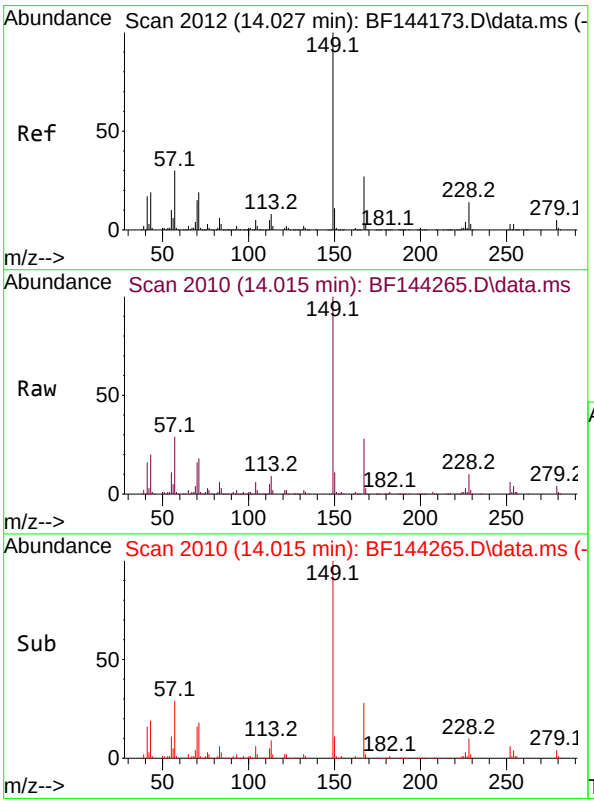
Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025
Supervised By :Sohil Jodhani

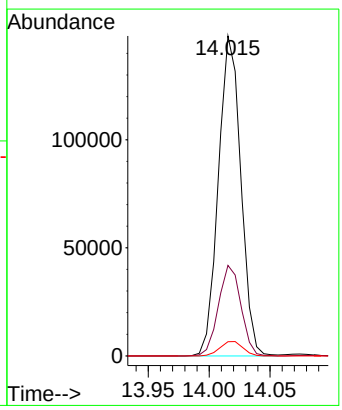
11/18/2025

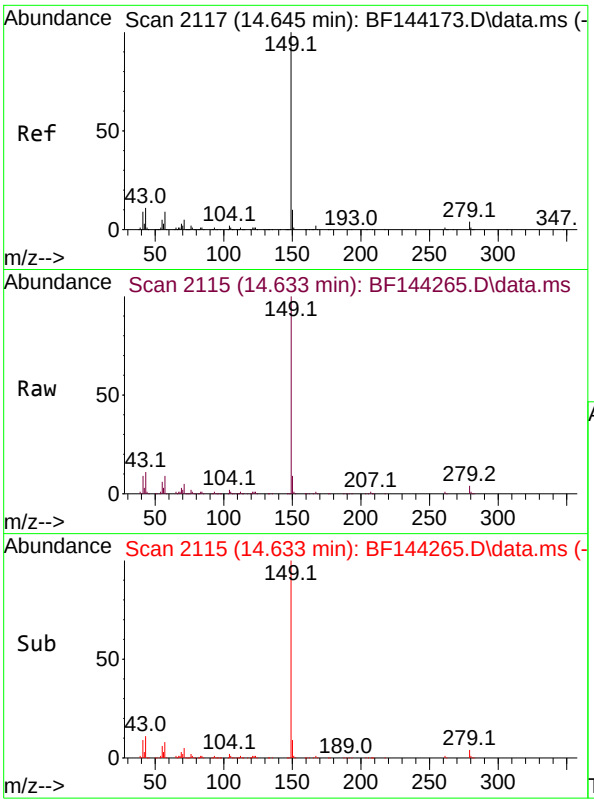


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.937 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:149 Resp: 190183

Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.8	32.8
279	4.4	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 40.553 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:149 Resp: 34174

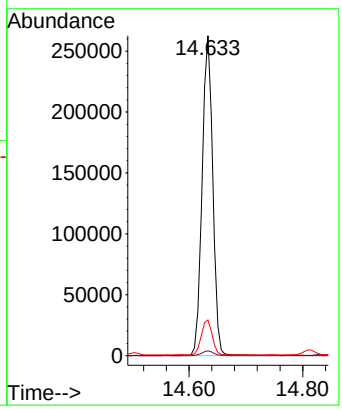
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

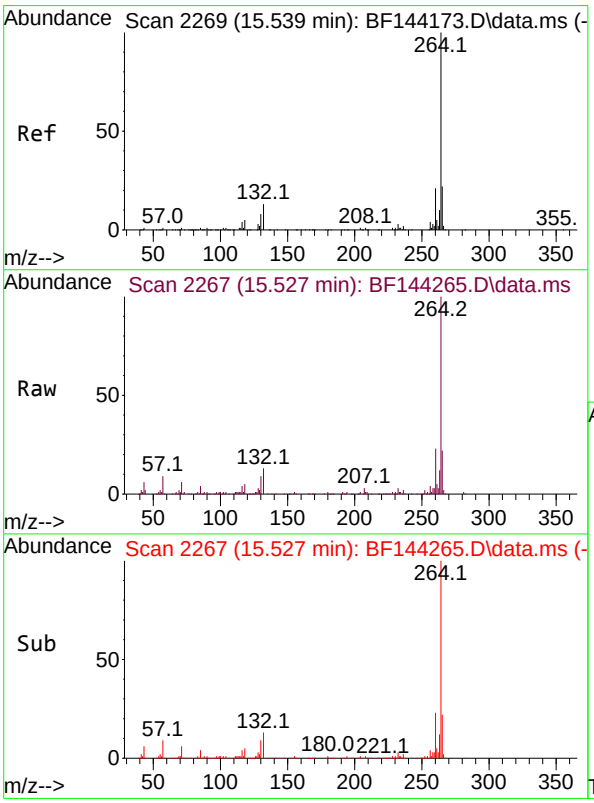
Reviewed By :Jagrut Upadhyay

11/18/2025



Supervised By :Sohil Jodhani

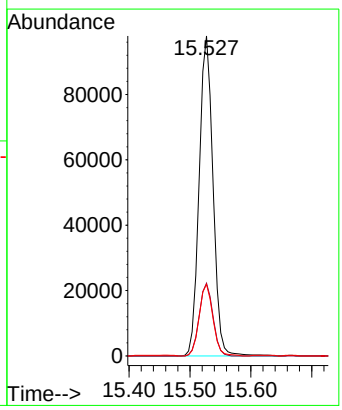
11/18/2025

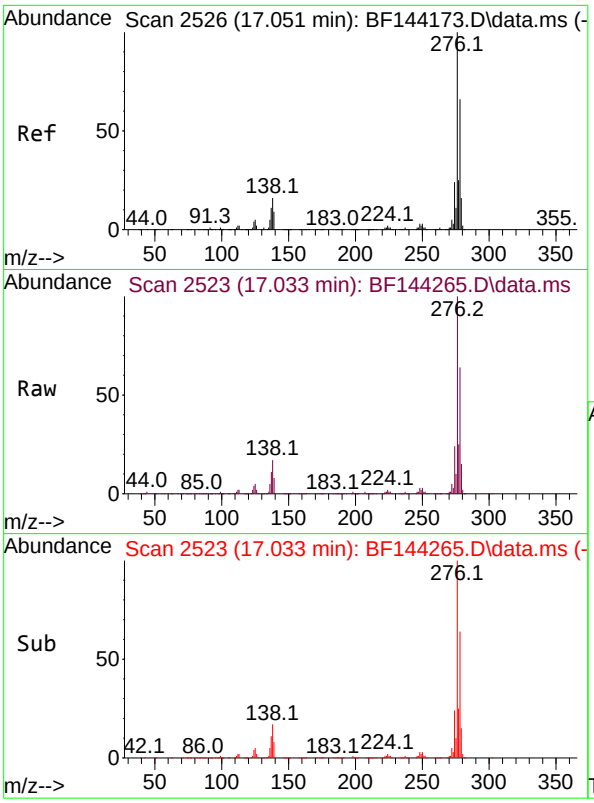


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:264 Resp: 154286

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.1	25.7
265	22.4	17.4	26.0

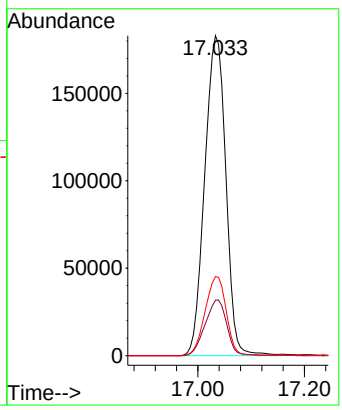




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.429 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:276 Resp: 503139

Ion	Ratio	Lower	Upper
276	100		
138	17.9	13.9	20.9
277	24.9	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
PB170576BS

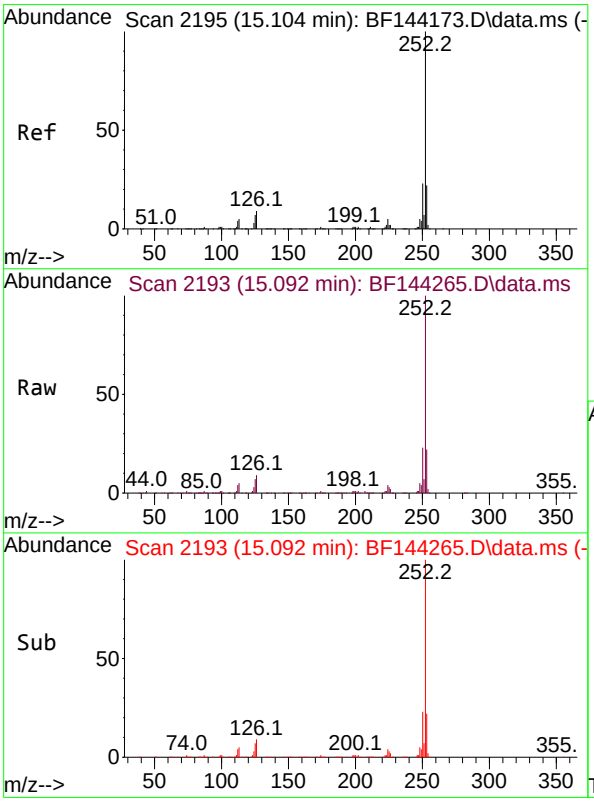
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

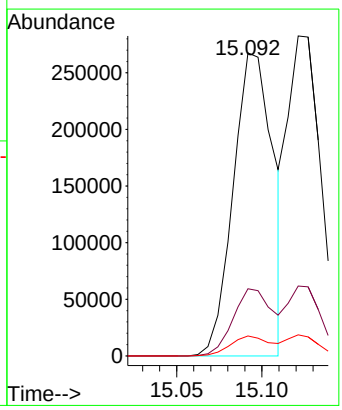
11/18/2025

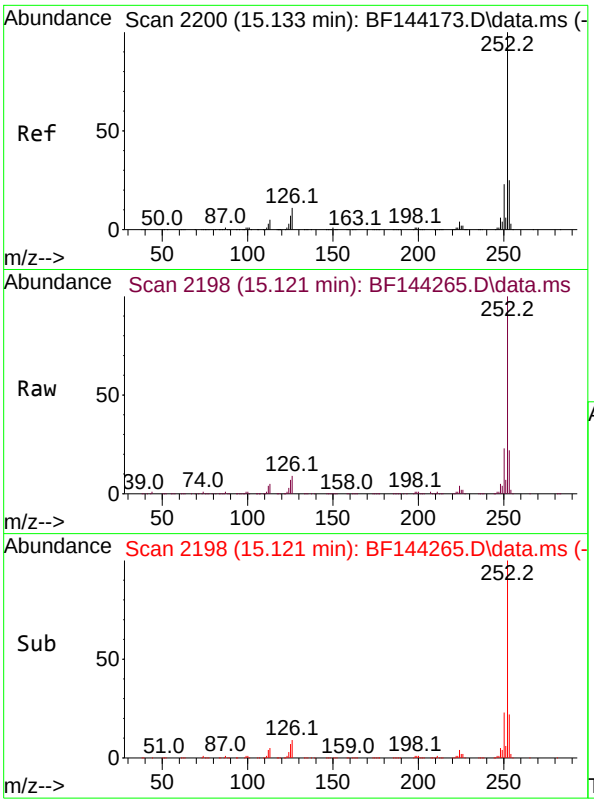


#88
Benzo(b)fluoranthene
Concen: 49.735 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:252 Resp: 436245

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	6.6	5.3	7.9





#89
Benzo(k)fluoranthene
Concen: 46.853 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:252 Resp: 38466

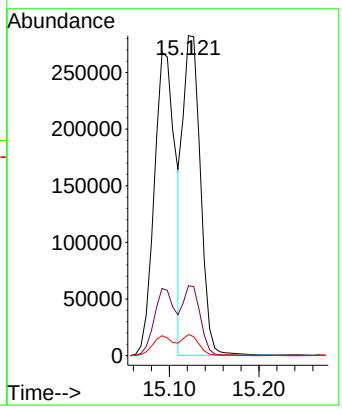
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	6.6	5.4	8.2

Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

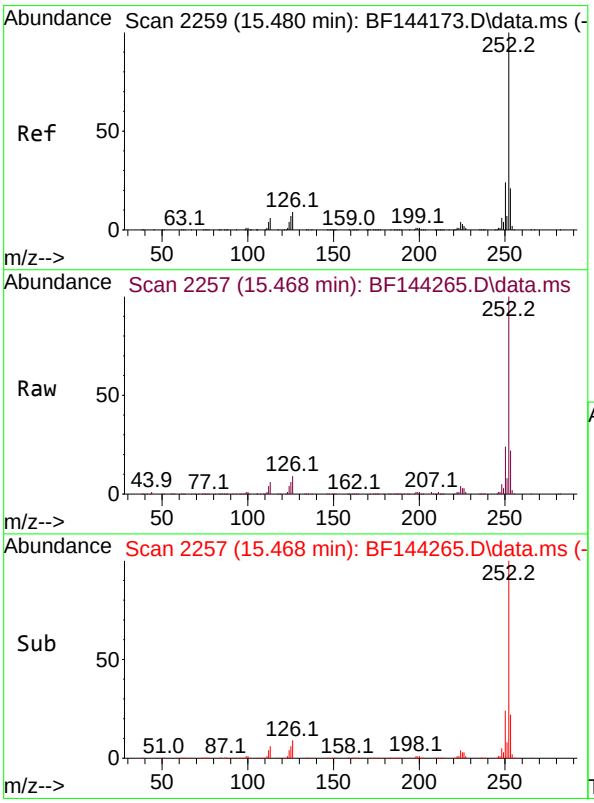
Reviewed By :Jagrut Upadhyay

11/18/2025



Supervised By :Sohil Jodhani

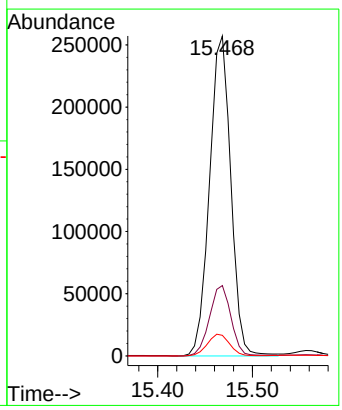
11/18/2025

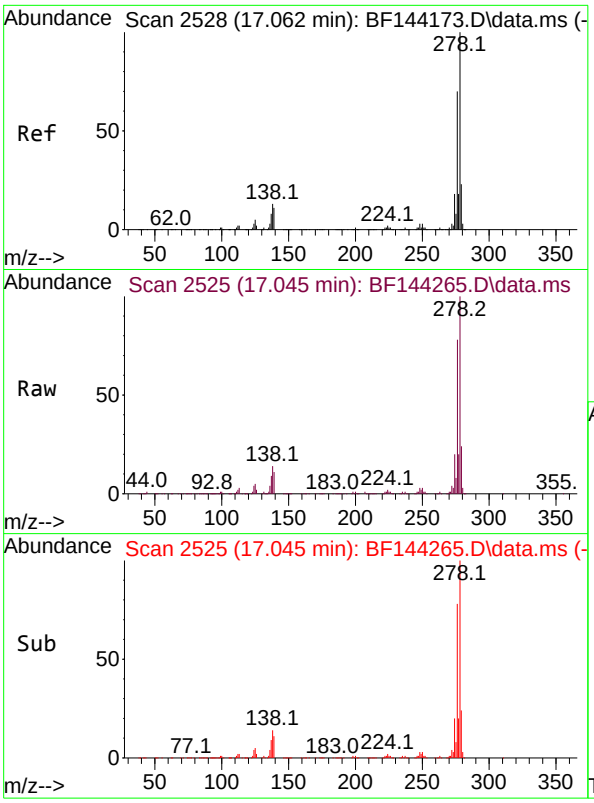


#90
Benzo(a)pyrene
Concen: 49.632 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:252 Resp: 401625

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.7	25.1
125	6.4	5.7	8.5

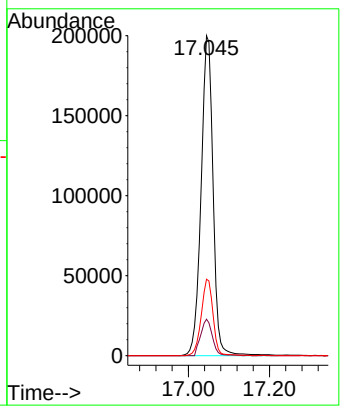




#91
Dibenzo(a,h)anthracene
Concen: 46.011 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:278 Resp: 40925

Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.1	13.7
279	23.9	18.2	27.4



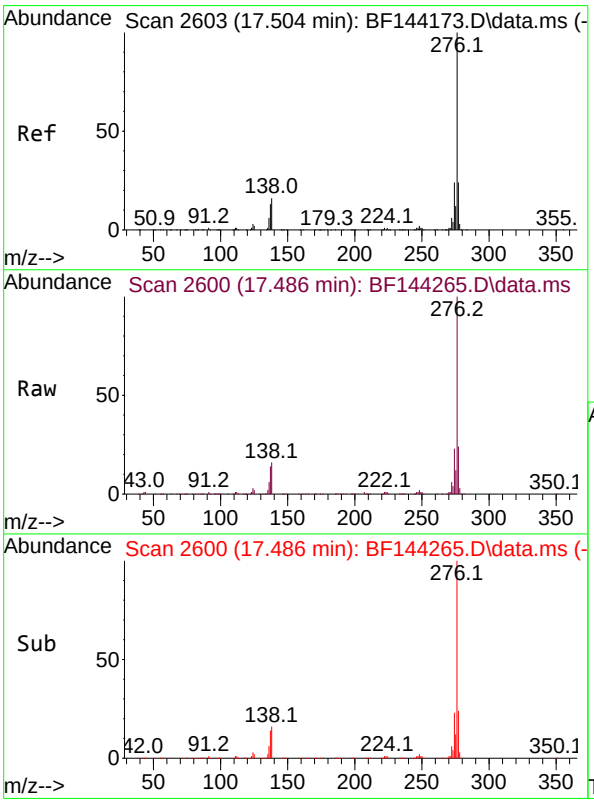
Instrument :
BNA_F
ClientSampleId :
PB170576BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025
Supervised By :Sohil Jodhani

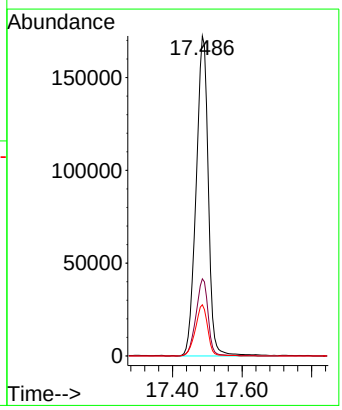
11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 47.615 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.006 min
Lab File: BF144265.D
Acq: 17 Nov 2025 13:52

Tgt Ion:276 Resp: 418232

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	16.0	12.9	19.3



Raw Data: **BG064796.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1300		1	180	380	ug/Kg	11/17/25 22:50	PB170576
108-95-2	Phenol	2000		1	25.7	200	ug/Kg	11/17/25 22:50	PB170576
111-44-4	bis(2-Chloroethyl)ether	1800		1	28.2	200	ug/Kg	11/17/25 22:50	PB170576
95-57-8	2-Chlorophenol	1900		1	28.3	200	ug/Kg	11/17/25 22:50	PB170576
95-48-7	2-Methylphenol	1900		1	34.7	200	ug/Kg	11/17/25 22:50	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	43.5	200	ug/Kg	11/17/25 22:50	PB170576
98-86-2	Acetophenone	1800		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
65794-96-9	3+4-Methylphenols	1900		1	47.7	380	ug/Kg	11/17/25 22:50	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1800		1	55.0	92.9	ug/Kg	11/17/25 22:50	PB170576
67-72-1	Hexachloroethane	1800		1	20.4	200	ug/Kg	11/17/25 22:50	PB170576
98-95-3	Nitrobenzene	1800		1	21.3	200	ug/Kg	11/17/25 22:50	PB170576
78-59-1	Isophorone	1800		1	38.1	200	ug/Kg	11/17/25 22:50	PB170576
88-75-5	2-Nitrophenol	2000		1	67.6	200	ug/Kg	11/17/25 22:50	PB170576
105-67-9	2,4-Dimethylphenol	1900		1	75.2	200	ug/Kg	11/17/25 22:50	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1900		1	35.8	200	ug/Kg	11/17/25 22:50	PB170576
120-83-2	2,4-Dichlorophenol	2000		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
91-20-3	Naphthalene	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
106-47-8	4-Chloroaniline	450		1	41.1	200	ug/Kg	11/17/25 22:50	PB170576
87-68-3	Hexachlorobutadiene	1700		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
105-60-2	Caprolactam	1900		1	60.5	380	ug/Kg	11/17/25 22:50	PB170576
59-50-7	4-Chloro-3-methylphenol	2000		1	33.3	200	ug/Kg	11/17/25 22:50	PB170576
91-57-6	2-Methylnaphthalene	1600		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
77-47-4	Hexachlorocyclopentadiene	3500	E	1	130	380	ug/Kg	11/17/25 22:50	PB170576
88-06-2	2,4,6-Trichlorophenol	1900		1	23.0	200	ug/Kg	11/17/25 22:50	PB170576
95-95-4	2,4,5-Trichlorophenol	1900		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
92-52-4	1,1-Biphenyl	1900		1	25.3	200	ug/Kg	11/17/25 22:50	PB170576
91-58-7	2-Chloronaphthalene	1800		1	26.1	200	ug/Kg	11/17/25 22:50	PB170576
88-74-4	2-Nitroaniline	2000		1	55.9	200	ug/Kg	11/17/25 22:50	PB170576
131-11-3	Dimethylphthalate	1800		1	31.5	200	ug/Kg	11/17/25 22:50	PB170576
208-96-8	Acenaphthylene	1900		1	33.6	200	ug/Kg	11/17/25 22:50	PB170576
606-20-2	2,6-Dinitrotoluene	2000		1	39.0	200	ug/Kg	11/17/25 22:50	PB170576
99-09-2	3-Nitroaniline	810		1	53.4	200	ug/Kg	11/17/25 22:50	PB170576
83-32-9	Acenaphthene	2100		1	24.7	200	ug/Kg	11/17/25 22:50	PB170576
51-28-5	2,4-Dinitrophenol	3800	E	1	270	380	ug/Kg	11/17/25 22:50	PB170576
100-02-7	4-Nitrophenol	4100	E	1	120	380	ug/Kg	11/17/25 22:50	PB170576
132-64-9	Dibenzofuran	1800		1	26.4	200	ug/Kg	11/17/25 22:50	PB170576
121-14-2	2,4-Dinitrotoluene	2000		1	58.2	200	ug/Kg	11/17/25 22:50	PB170576
84-66-2	Diethylphthalate	1800		1	32.9	200	ug/Kg	11/17/25 22:50	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1800		1	31.0	200	ug/Kg	11/17/25 22:50	PB170576
86-73-7	Fluorene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
100-01-6	4-Nitroaniline	1800		1	74.6	200	ug/Kg	11/17/25 22:50	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2200		1	120	380	ug/Kg	11/17/25 22:50	PB170576

Raw Data: **BG064796.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	38.2	200	ug/Kg	11/17/25 22:50	PB170576
101-55-3	4-Bromophenyl-phenylether	1900		1	32.3	200	ug/Kg	11/17/25 22:50	PB170576
118-74-1	Hexachlorobenzene	1800		1	29.4	200	ug/Kg	11/17/25 22:50	PB170576
1912-24-9	Atrazine	1900		1	39.5	200	ug/Kg	11/17/25 22:50	PB170576
87-86-5	Pentachlorophenol	3900	E	1	59.6	380	ug/Kg	11/17/25 22:50	PB170576
85-01-8	Phenanthrene	1900		1	24.3	200	ug/Kg	11/17/25 22:50	PB170576
120-12-7	Anthracene	1900		1	38.7	200	ug/Kg	11/17/25 22:50	PB170576
86-74-8	Carbazole	1900		1	36.2	200	ug/Kg	11/17/25 22:50	PB170576
84-74-2	Di-n-butylphthalate	1900		1	55.6	200	ug/Kg	11/17/25 22:50	PB170576
206-44-0	Fluoranthene	1800		1	34.8	200	ug/Kg	11/17/25 22:50	PB170576
129-00-0	Pyrene	2000		1	41.8	200	ug/Kg	11/17/25 22:50	PB170576
85-68-7	Butylbenzylphthalate	2000		1	82.9	200	ug/Kg	11/17/25 22:50	PB170576
91-94-1	3,3-Dichlorobenzidine	770		1	42.6	380	ug/Kg	11/17/25 22:50	PB170576
56-55-3	Benzo(a)anthracene	1800		1	26.7	200	ug/Kg	11/17/25 22:50	PB170576
218-01-9	Chrysene	1800		1	23.1	200	ug/Kg	11/17/25 22:50	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1900		1	68.7	200	ug/Kg	11/17/25 22:50	PB170576
117-84-0	Di-n-octyl phthalate	1900		1	100	380	ug/Kg	11/17/25 22:50	PB170576
205-99-2	Benzo(b)fluoranthene	1900		1	22.1	200	ug/Kg	11/17/25 22:50	PB170576
207-08-9	Benzo(k)fluoranthene	1900		1	26.0	200	ug/Kg	11/17/25 22:50	PB170576
50-32-8	Benzo(a)pyrene	1900		1	34.3	200	ug/Kg	11/17/25 22:50	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	2000		1	33.8	200	ug/Kg	11/17/25 22:50	PB170576
53-70-3	Dibenzo(a,h)anthracene	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
191-24-2	Benzo(g,h,i)perylene	2000		1	29.8	200	ug/Kg	11/17/25 22:50	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		1	29.7	200	ug/Kg	11/17/25 22:50	PB170576
123-91-1	1,4-Dioxane	1600		1	52.5	200	ug/Kg	11/17/25 22:50	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	31.8	200	ug/Kg	11/17/25 22:50	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	111			30 (10) - 130 (105)	74%	SPK: 150		
13127-88-3	Phenol-d6	115			30 (10) - 130 (103)	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	72.6			30 (10) - 130 (108)	73%	SPK: 100		
321-60-8	2-Fluorobiphenyl	71.8			30 (10) - 130 (108)	72%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	111			30 (10) - 130 (116)	74%	SPK: 150		
1718-51-0	Terphenyl-d14	75.6			30 (10) - 130 (109)	76%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35600							
1146-65-2	Naphthalene-d8	138000							
15067-26-2	Acenaphthene-d10	109000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	333000							
1520-96-3	Perylene-d12	342000							

Raw Data: **BG064796.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MS			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MS			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BG064796.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.165	152	35648	20.000	ng		0.00
21) Naphthalene-d8	10.979	136	137981	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	109267	20.000	ng		0.00
64) Phenanthrene-d10	17.501	188	264688	20.000	ng		0.00
76) Chrysene-d12	21.755	240	332562	20.000	ng		0.00
86) Perylene-d12	25.010	264	341639	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.703	112	226596	110.998	ng		0.00
7) Phenol-d6	7.307	99	313192	115.347	ng		0.00
23) Nitrobenzene-d5	9.322	82	202570	72.587	ng		0.00
42) 2,4,6-Tribromophenol	16.249	330	236442	110.951	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	562446	71.824	ng		0.00
79) Terphenyl-d14	20.092	244	1278535	75.625	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.529	88	32691	41.364	ng		94
3) Pyridine	3.934	79	91631	38.913	ng		96
4) n-Nitrosodimethylamine	3.846	42	53511	44.648	ng	#	77
6) Aniline	7.477	93	82153	22.700	ng		98
8) 2-Chlorophenol	7.724	128	112298	50.098	ng		94
9) Benzaldehyde	7.289	77	57685	32.455	ng		98
10) Phenol	7.336	94	150380	50.903	ng		97
11) bis(2-Chloroethyl)ether	7.571	93	98633	46.918	ng		96
12) 1,3-Dichlorobenzene	8.053	146	122625	47.541	ng		97
13) 1,4-Dichlorobenzene	8.200	146	125713	47.865	ng		97
14) 1,2-Dichlorobenzene	8.523	146	121100	47.553	ng		96
15) Benzyl Alcohol	8.394	79	108598	48.727	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.693	45	219395	44.092	ng		98
17) 2-Methylphenol	8.599	107	102724	49.143	ng		97
18) Hexachloroethane	9.263	117	45576	45.816	ng		95
19) n-Nitroso-di-n-propyla...	8.964	70	85608	46.631	ng		89
20) 3+4-Methylphenols	8.922	107	140181	48.952	ng		95
22) Acetophenone	8.987	105	179131	47.651	ng	#	99
24) Nitrobenzene	9.369	77	130982	46.451	ng		97
25) Isophorone	9.892	82	245569	46.208	ng		97
26) 2-Nitrophenol	10.086	139	64778	51.074	ng		95
27) 2,4-Dimethylphenol	10.139	122	112198	49.794	ng		92
28) bis(2-Chloroethoxy)met...	10.374	93	142319	48.780	ng		99
29) 2,4-Dichlorophenol	10.621	162	125634	51.933	ng		98
30) 1,2,4-Trichlorobenzene	10.844	180	142774	48.876	ng		96
31) Naphthalene	11.032	128	362873	46.392	ng		100
32) Benzoic acid	10.268	122	77206	48.481	ng		99
33) 4-Chloroaniline	11.126	127	36291	11.598	ng		96
34) Hexachlorobutadiene	11.320	225	112947	45.064	ng		97
35) Caprolactam	11.890	113	35144m	48.571	ng		
36) 4-Chloro-3-methylphenol	12.236	107	135942	50.487	ng		97
37) 2-Methylnaphthalene	12.624	142	245144	41.881	ng		98
38) 1-Methylnaphthalene	12.841	142	255126	43.878	ng		98
40) 1,2,4,5-Tetrachloroben...	12.988	216	201397	47.361	ng		98
41) Hexachlorocyclopentadiene	12.971	237	274888	90.187	ng		98
43) 2,4,6-Trichlorophenol	13.217	196	125622	50.334	ng		99

Sample Results: **BG064796.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.288	196	139123	49.701	ng		98
46) 1,1'-Biphenyl	13.617	154	385008	49.059	ng		98
47) 2-Chloronaphthalene	13.658	162	289859	46.881	ng		99
48) 2-Nitroaniline	13.846	65	100497	50.536	ng		94
49) Acenaphthylene	14.498	152	510337	48.315	ng		98
50) Dimethylphthalate	14.222	163	407935	47.262	ng		99
51) 2,6-Dinitrotoluene	14.334	165	86706	52.205	ng		97
52) Acenaphthene	14.839	154	345121	54.493	ng		99
53) 3-Nitroaniline	14.657	138	34388	20.978	ng		85
54) 2,4-Dinitrophenol	14.868	184	114155	98.155	ng		98
55) Dibenzofuran	15.168	168	500377	47.790	ng		97
56) 4-Nitrophenol	14.962	139	138584	106.554	ng		94
57) 2,4-Dinitrotoluene	15.115	165	127005	51.006	ng		98
58) Fluorene	15.814	166	383525	46.703	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.391	232	145481	52.676	ng		97
60) Diethylphthalate	15.573	149	390741	47.257	ng		100
61) 4-Chlorophenyl-phenyle...	15.803	204	229901	46.649	ng		96
62) 4-Nitroaniline	15.820	138	80718	47.531	ng		92
63) Azobenzene	16.091	77	358106	52.070	ng		98
65) 4,6-Dinitro-2-methylph...	15.879	198	82924	56.426	ng		92
66) n-Nitrosodiphenylamine	16.008	169	348645	50.287	ng		98
67) 4-Bromophenyl-phenylether	16.690	248	172054	49.498	ng		98
68) Hexachlorobenzene	16.813	284	199440	47.358	ng		99
69) Atrazine	16.948	200	163466	48.903	ng		95
70) Pentachlorophenol	17.154	266	254852	100.554	ng		95
71) Phenanthrene	17.548	178	697992	48.197	ng		99
72) Anthracene	17.636	178	713624	48.326	ng		99
73) Carbazole	17.894	167	623792	49.139	ng		99
74) Di-n-butylphthalate	18.447	149	694307	49.024	ng		99
75) Fluoranthene	19.539	202	923210	46.619	ng		100
77) Benzidine	19.704	184	388676	39.025	ng		99
78) Pyrene	19.898	202	949087	50.920	ng		99
80) Butylbenzylphthalate	20.767	149	331588	50.578	ng		96
81) Benzo(a)anthracene	21.737	228	1077790	47.662	ng		99
82) 3,3'-Dichlorobenzidine	21.643	252	165088	19.835	ng		98
83) Chrysene	21.802	228	1014594	47.591	ng		99
84) Bis(2-ethylhexyl)phtha...	21.631	149	480785	50.187	ng		99
85) Di-n-octyl phthalate	22.859	149	796666	48.109	ng		99
87) Indeno(1,2,3-cd)pyrene	28.752	276	1220785	52.011	ng	#	95
88) Benzo(b)fluoranthene	23.975	252	1046098	48.116	ng		99
89) Benzo(k)fluoranthene	24.046	252	1077935	49.350	ng		100
90) Benzo(a)pyrene	24.863	252	1000023	49.585	ng		99
91) Dibenzo(a,h)anthracene	28.805	278	1002563	52.139	ng		96
92) Benzo(g,h,i)perylene	29.916	276	974197	52.643	ng		98

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

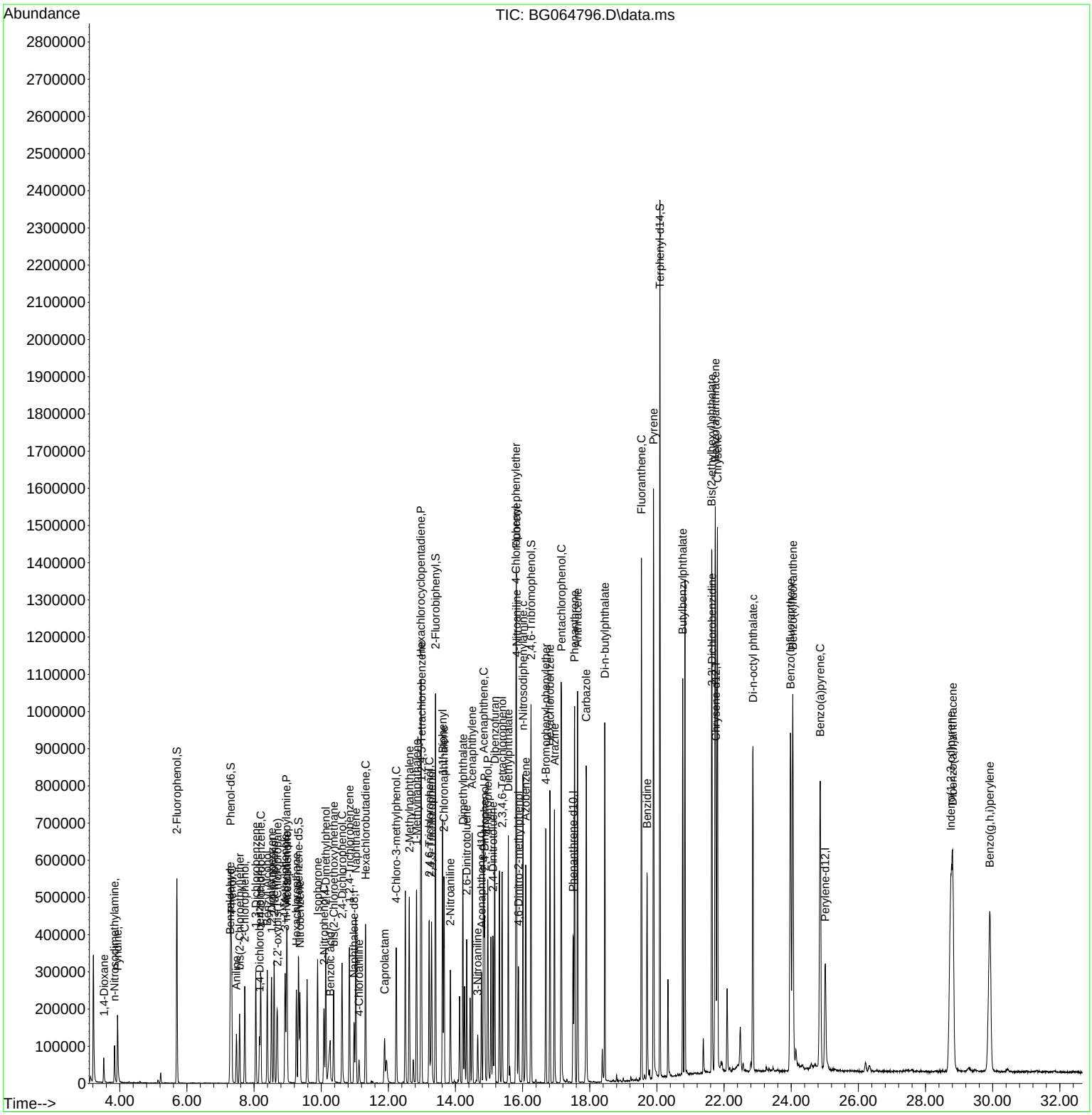
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064796.D
Acq On : 17 Nov 2025 22:50
Operator : RC/JU
Sample : Q3649-08MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

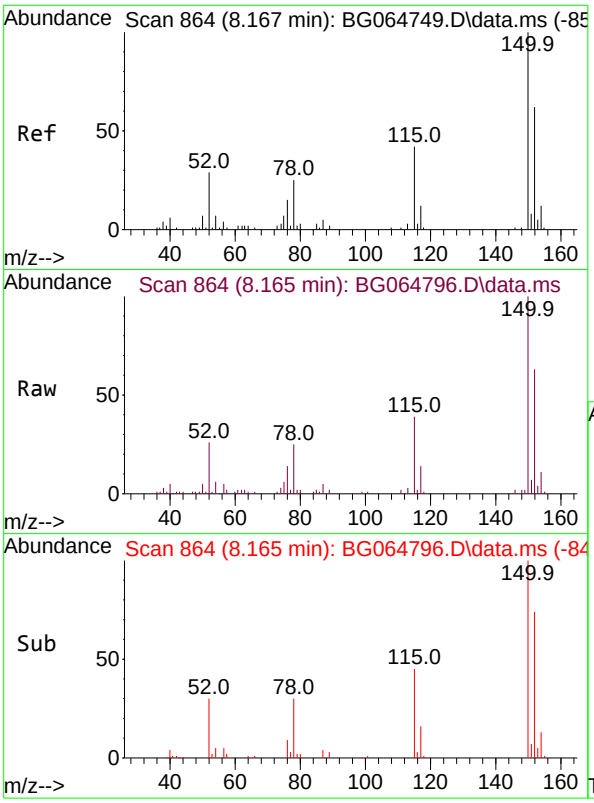
Quant Time: Nov 18 00:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

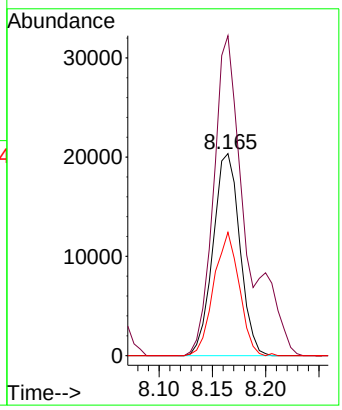




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:152 Resp: 3564

Ion	Ratio	Lower	Upper
152	100		
150	158.4	129.2	193.8
115	61.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
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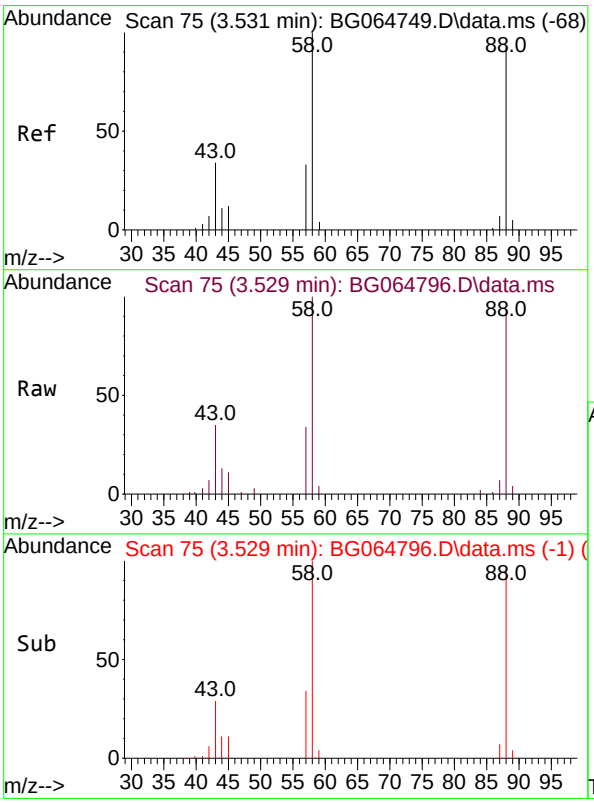
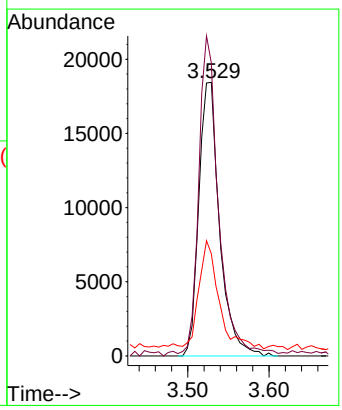
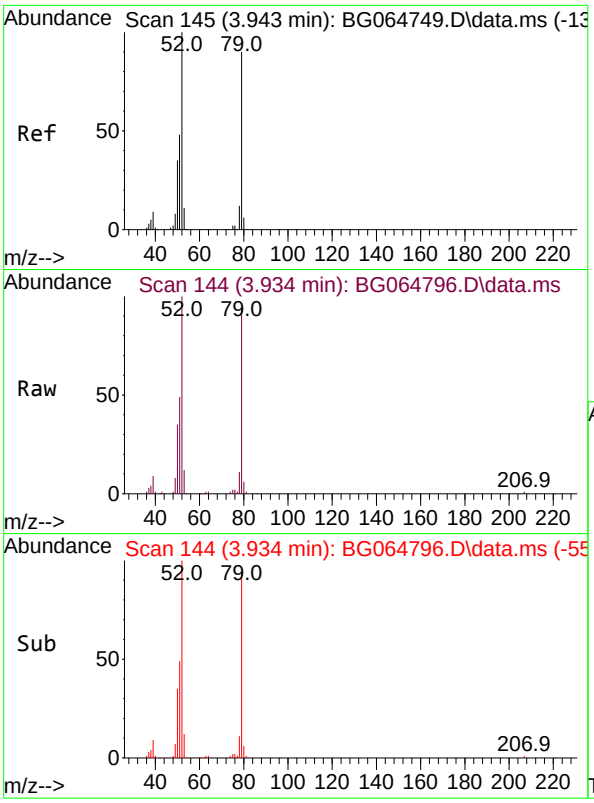


#2
1,4-Dioxane
Concen: 41.364 ng
RT: 3.529 min Scan# 75
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 88 Resp: 32691

Ion	Ratio	Lower	Upper
88	100		
58	113.5	84.6	126.8
43	38.1	30.0	45.0





#3
Pyridine
Concen: 38.913 ng
RT: 3.934 min Scan# 14
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 79 Resp: 9163

Ion	Ratio	Lower	Upper
79	100		
52	106.6	89.0	133.4
51	52.4	43.4	65.0

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
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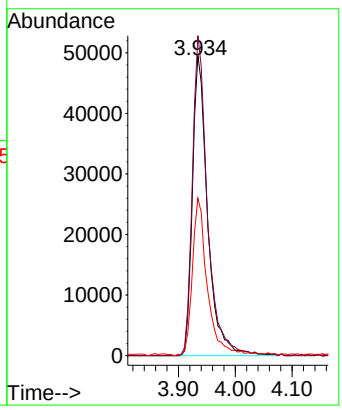
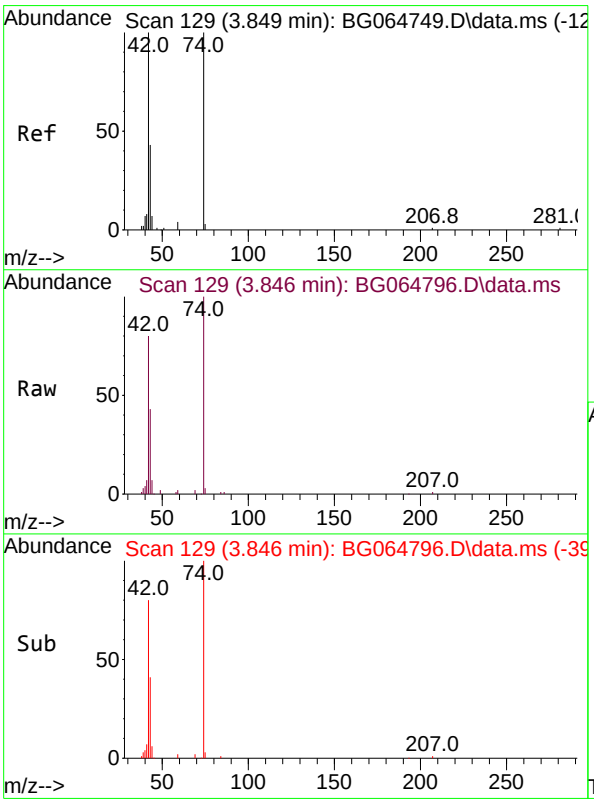
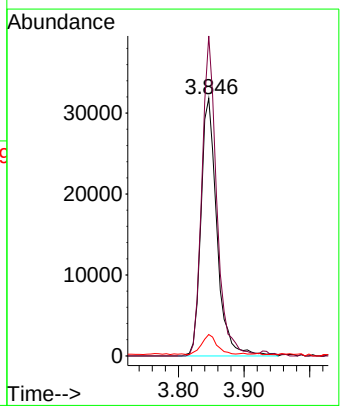


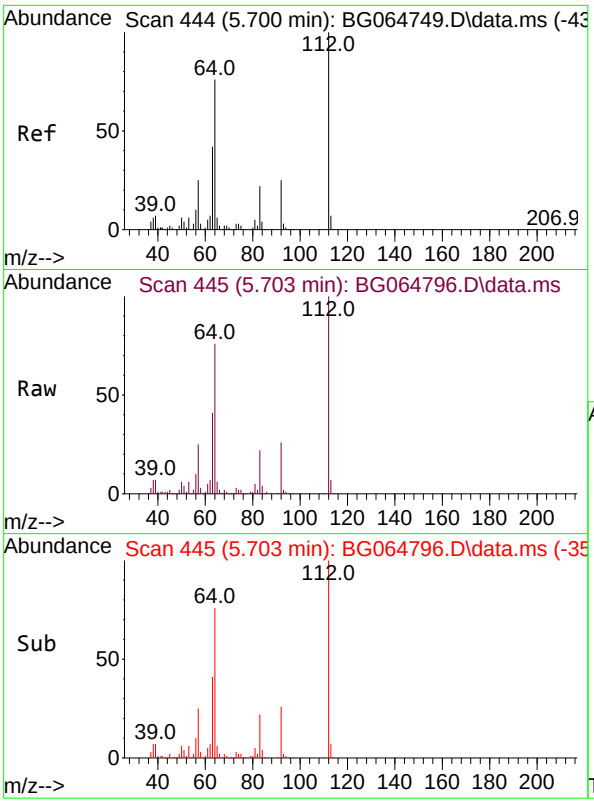


#4
n-Nitrosodimethylamine
Concen: 44.648 ng
RT: 3.846 min Scan# 129
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 42 Resp: 53511

Ion	Ratio	Lower	Upper
42	100		
74	124.3	79.8	119.6#
44	8.3	5.9	8.9





#5
2-Fluorophenol
Concen: 110.998 ng
RT: 5.703 min Scan# 44
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:112 Resp: 22659

Ion	Ratio	Lower	Upper
112	100		
64	76.2	61.0	91.4
63	41.0	33.3	49.9

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
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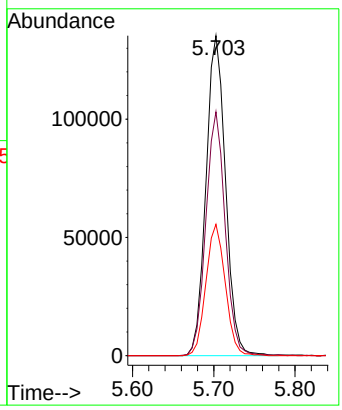
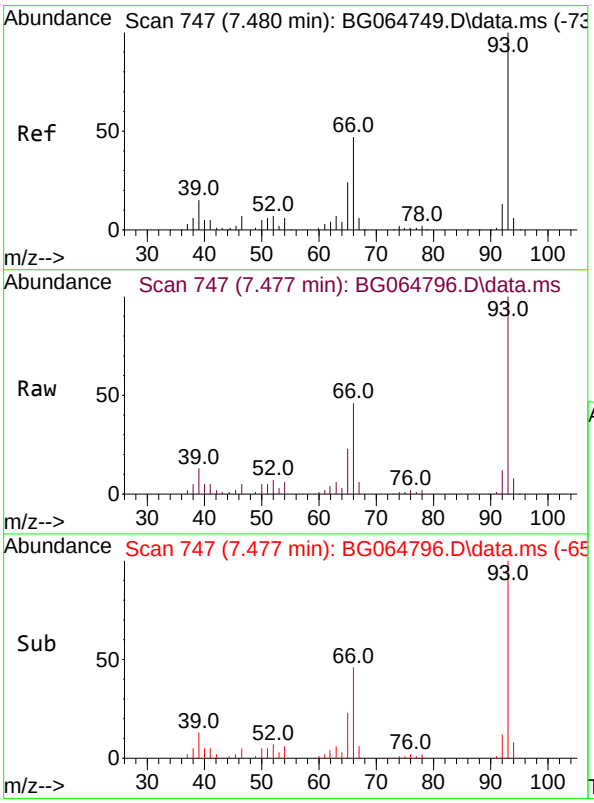
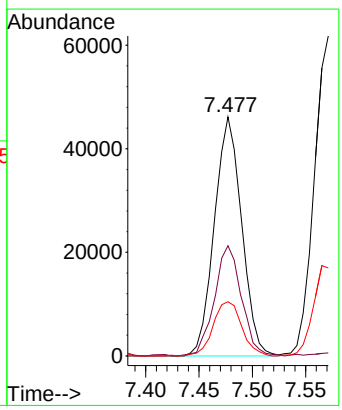


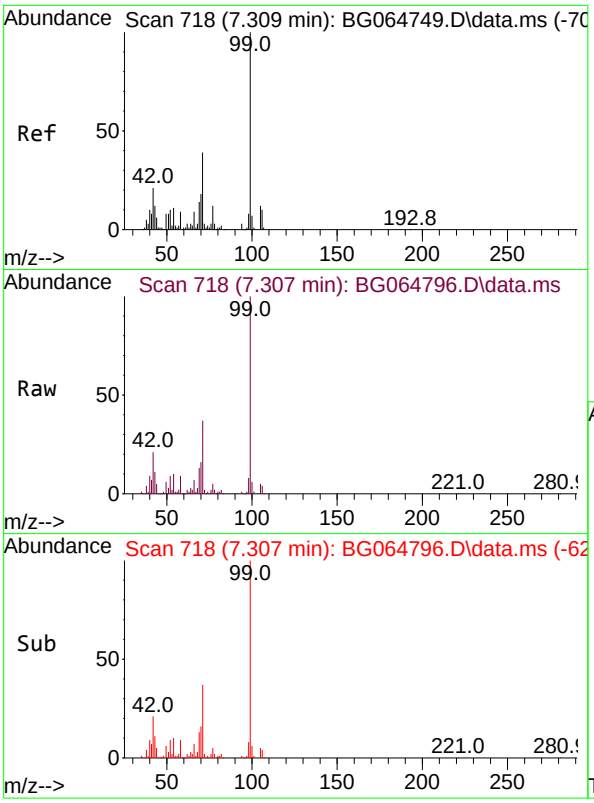


#6
Aniline
Concen: 22.700 ng
RT: 7.477 min Scan# 747
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 93 Resp: 82153

Ion	Ratio	Lower	Upper
93	100		
66	46.1	37.7	56.5
65	22.7	19.1	28.7

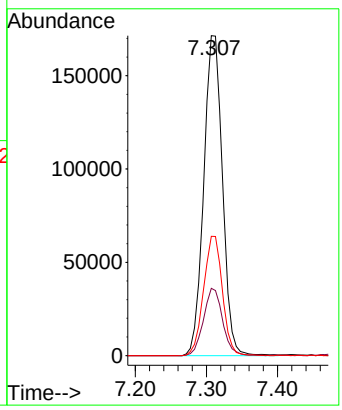




#7
Phenol-d6
Concen: 115.347 ng
RT: 7.307 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 99 Resp: 313191

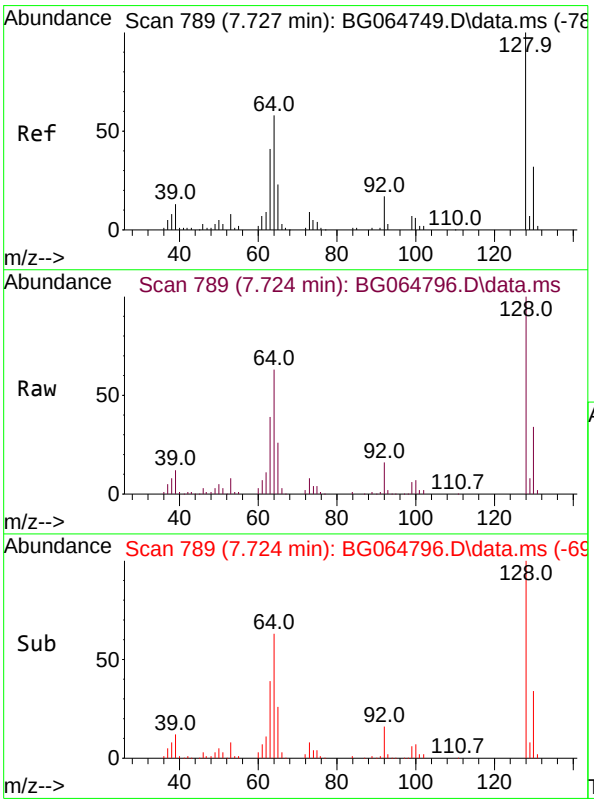
Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.8	25.2
71	37.3	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
APPROVED

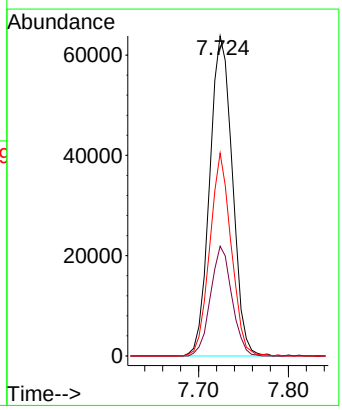
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

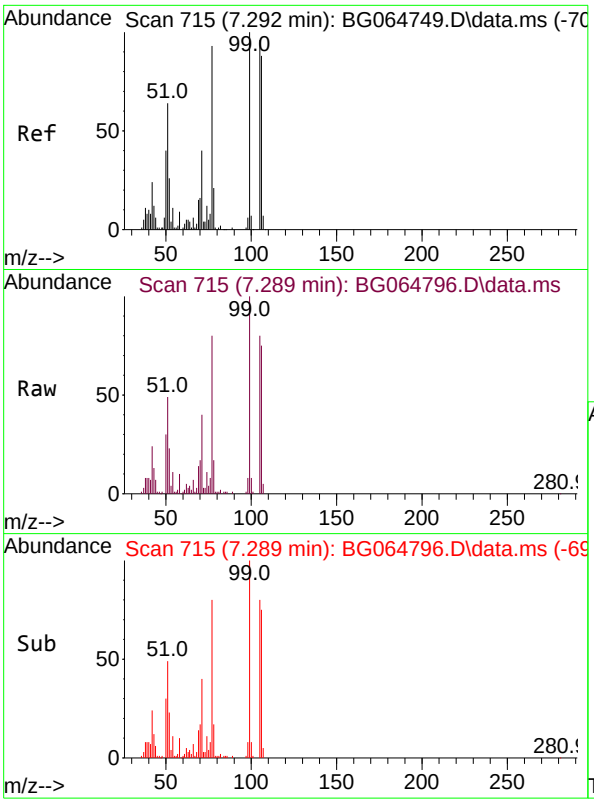


#8
2-Chlorophenol
Concen: 50.098 ng
RT: 7.724 min Scan# 789
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:128 Resp: 112298

Ion	Ratio	Lower	Upper
128	100		
130	34.3	11.9	51.9
64	63.4	38.4	78.4





#9
Benzaldehyde
Concen: 32.455 ng
RT: 7.289 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion: 77 Resp: 5768

Ion	Ratio	Lower	Upper
77	100		
105	100.2	83.8	123.8
106	93.8	74.3	114.3

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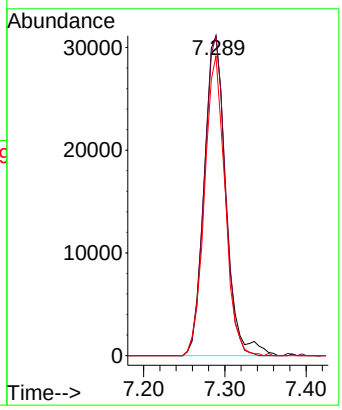
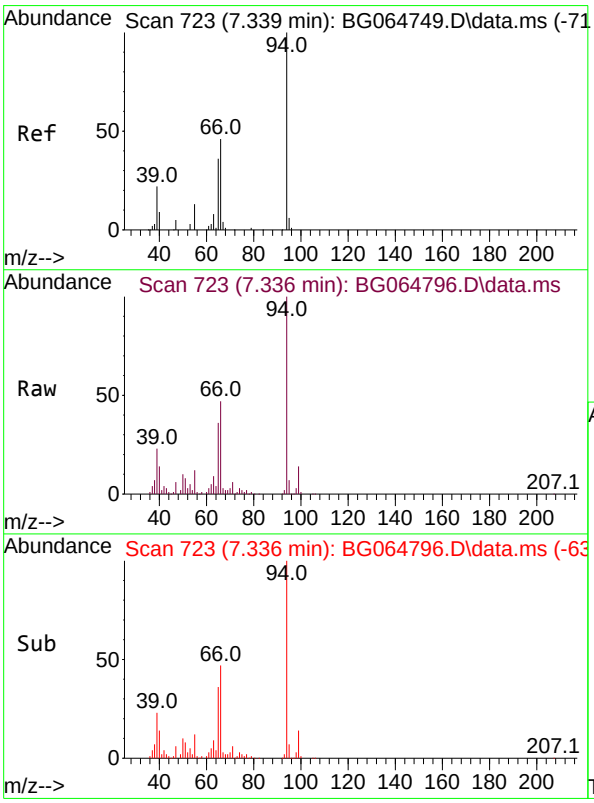
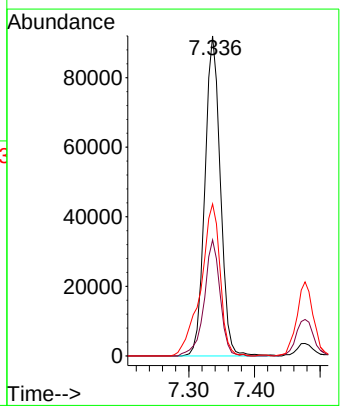


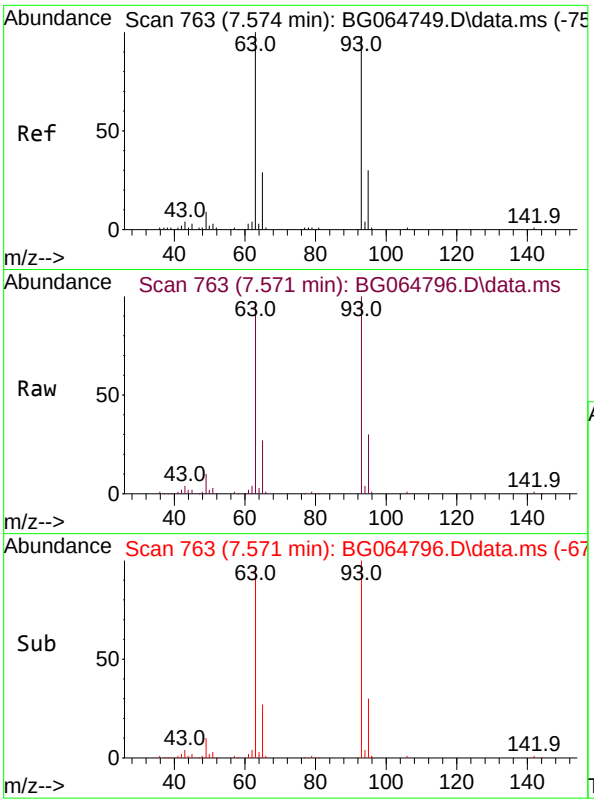


#10
Phenol
Concen: 50.903 ng
RT: 7.336 min Scan# 723
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 94 Resp: 150380

Ion	Ratio	Lower	Upper
94	100		
65	36.2	17.0	57.0
66	47.5	29.8	69.8





#11
bis(2-Chloroethyl)ether
Concen: 46.918 ng
RT: 7.571 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 93 Resp: 9863

Ion	Ratio	Lower	Upper
93	100		
63	96.6	81.8	121.8
95	29.7	10.3	50.3

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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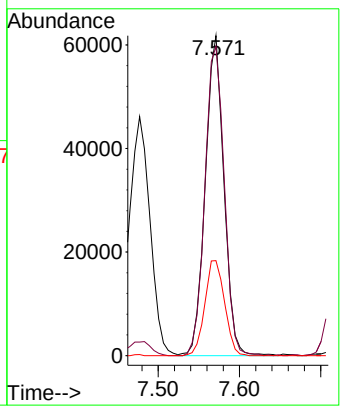
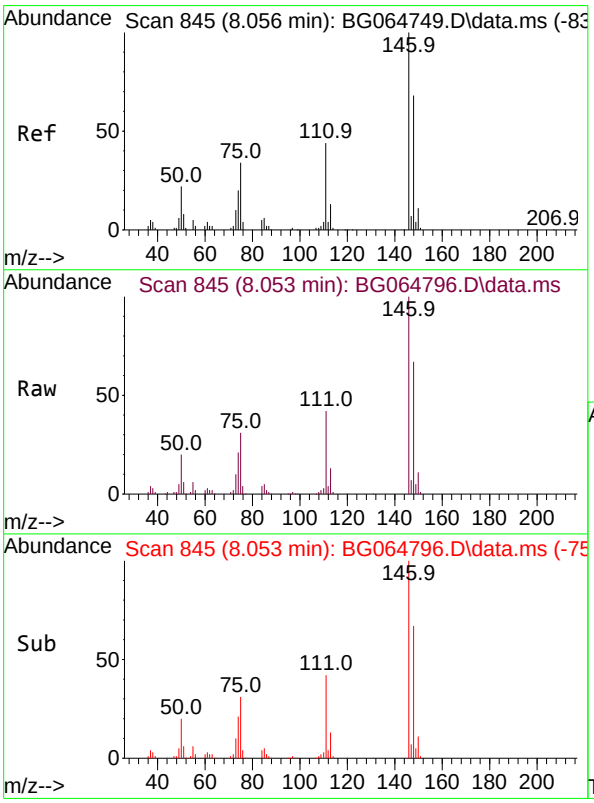
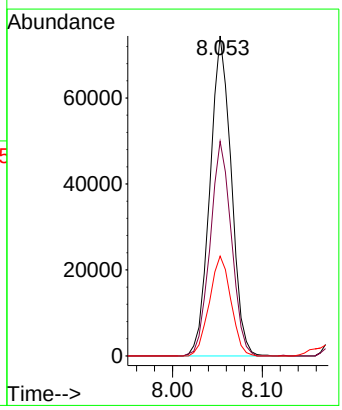


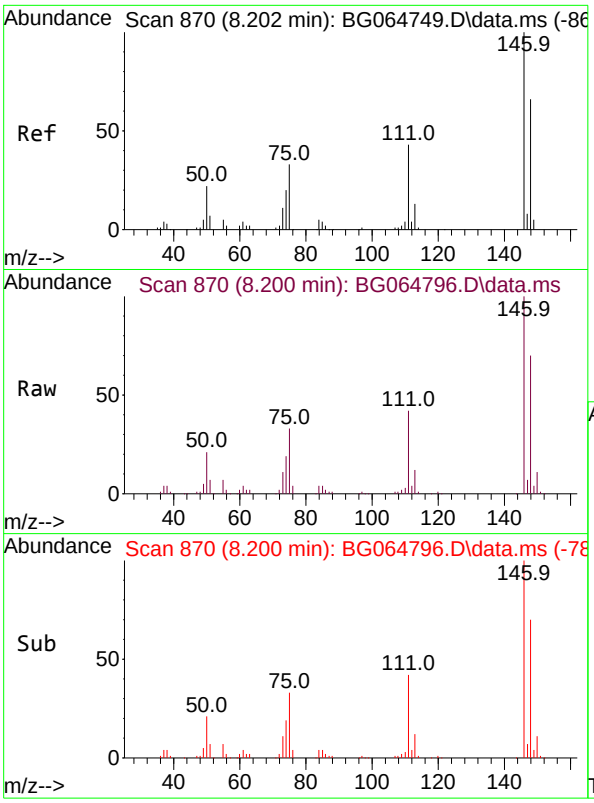


#12
1,3-Dichlorobenzene
Concen: 47.541 ng
RT: 8.053 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:146 Resp: 122625

Ion	Ratio	Lower	Upper
146	100		
148	67.0	54.6	82.0
75	31.2	27.6	41.4

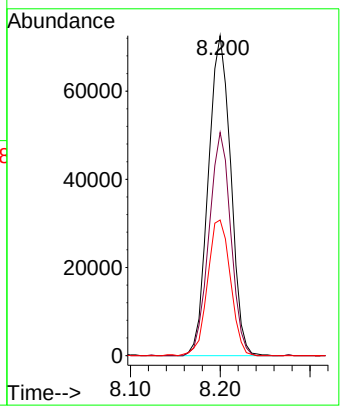




#13
1,4-Dichlorobenzene
Concen: 47.865 ng
RT: 8.200 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:146 Resp: 12571

Ion	Ratio	Lower	Upper
146	100		
148	69.7	53.1	79.7
111	42.4	34.1	51.1



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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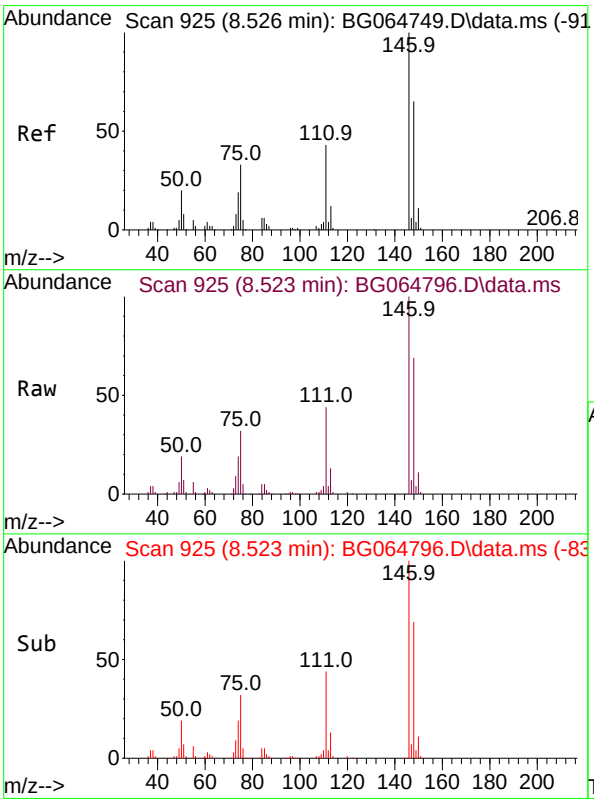
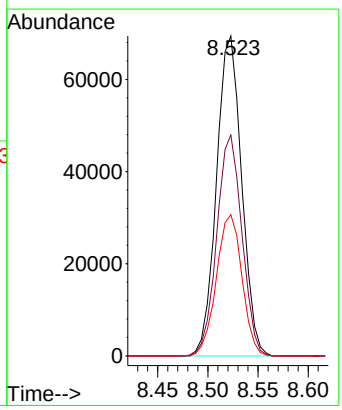
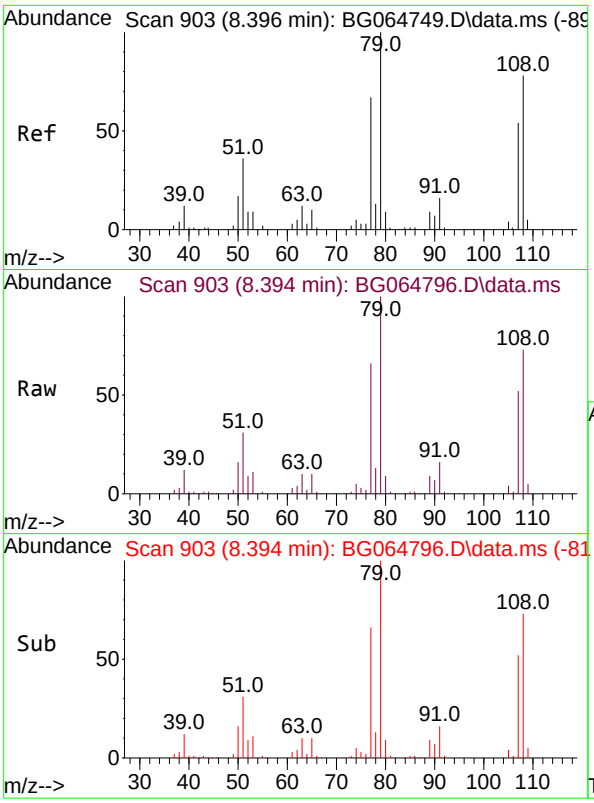


#14
1,2-Dichlorobenzene
Concen: 47.553 ng
RT: 8.523 min Scan# 925
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:146 Resp: 121100

Ion	Ratio	Lower	Upper
146	100		
148	69.0	52.0	78.0
111	44.1	34.7	52.1





#15
Benzyl Alcohol
Concen: 48.727 ng
RT: 8.394 min Scan# 90
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 79 Resp: 10859

Ion	Ratio	Lower	Upper
79	100		
108	72.7	62.3	93.5
77	65.9	53.5	80.3

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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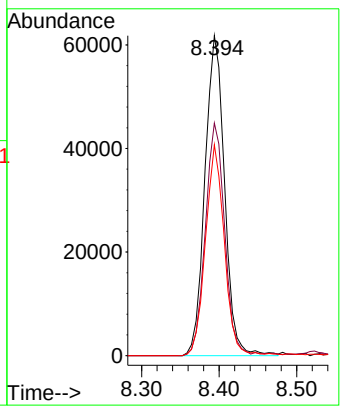
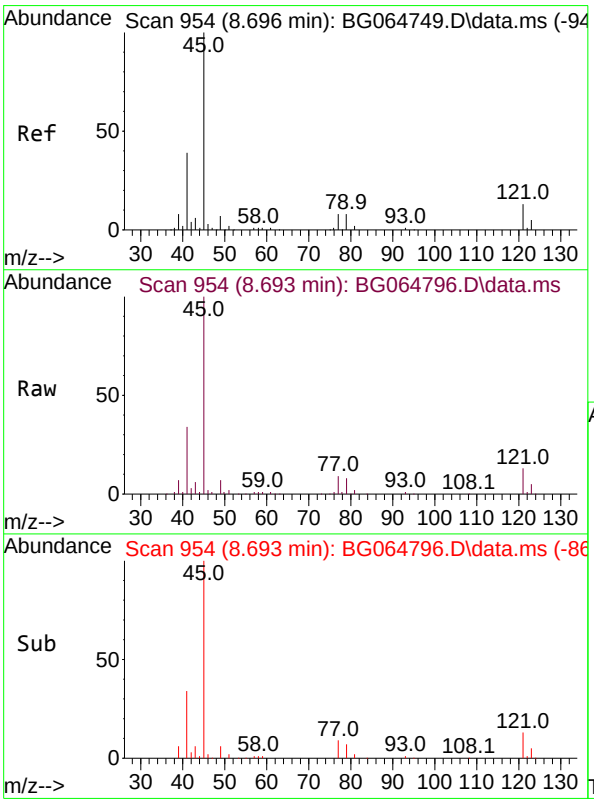
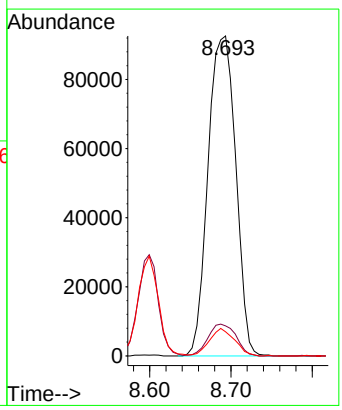


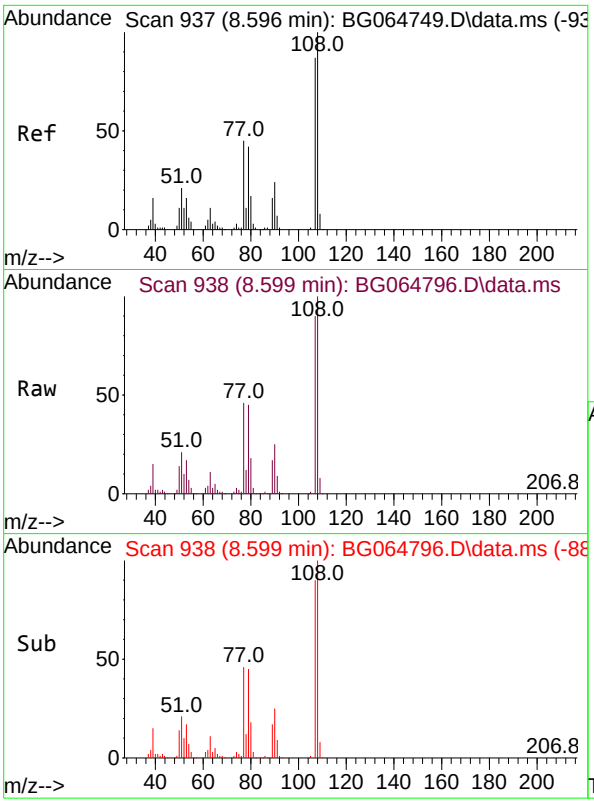


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.092 ng
RT: 8.693 min Scan# 954
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 45 Resp: 219395

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	28.8
79	7.5	0.0	28.1

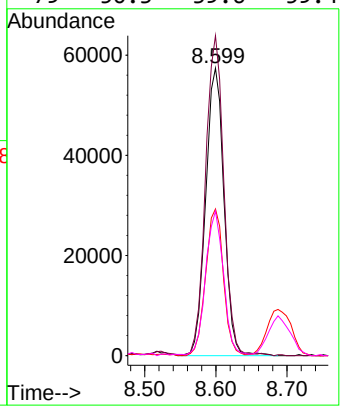




#17
2-Methylphenol
Concen: 49.143 ng
RT: 8.599 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:107 Resp: 10272

Ion	Ratio	Lower	Upper
107	100		
108	111.3	92.6	138.8
77	51.0	41.2	61.8
79	50.3	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
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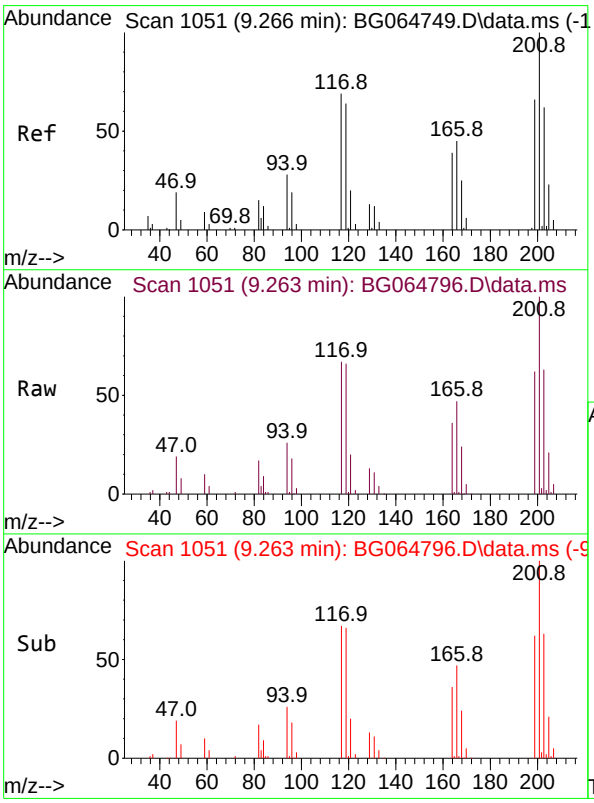
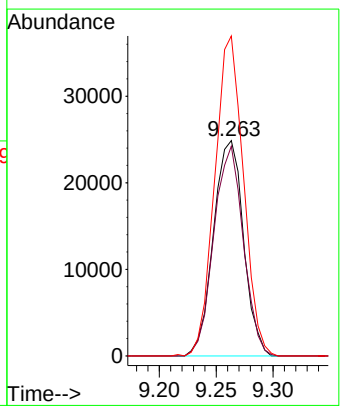
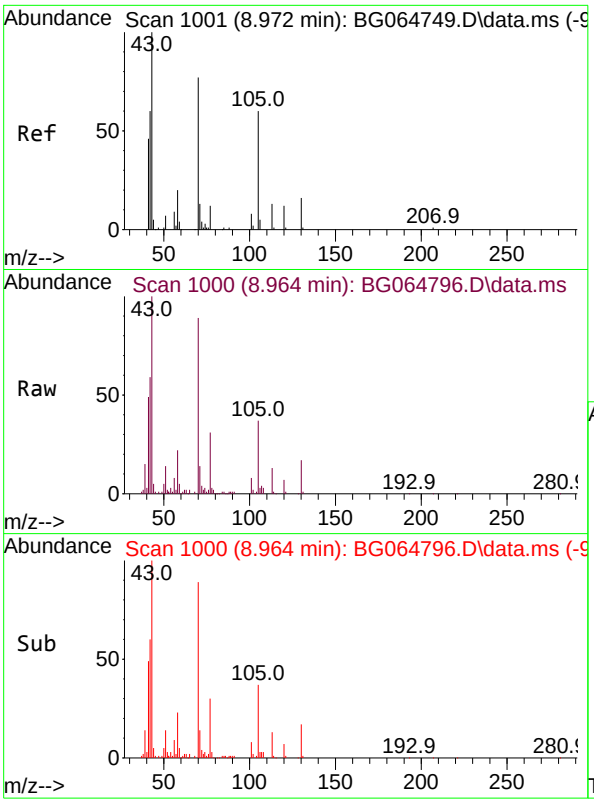


#18
Hexachloroethane
Concen: 45.816 ng
RT: 9.263 min Scan# 1051
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:117 Resp: 45576

Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.4	111.6
201	152.4	116.5	174.7

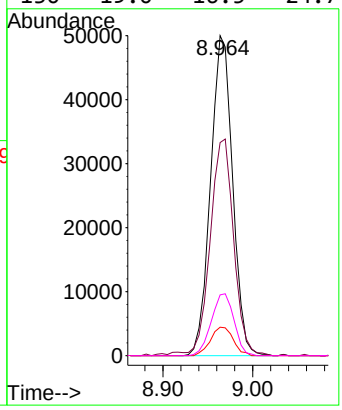




#19
n-Nitroso-di-n-propylamine
Concen: 46.631 ng
RT: 8.964 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 70 Resp: 8560

Ion	Ratio	Lower	Upper
70	100		
42	66.6	62.6	93.8
101	8.9	8.0	12.0
130	19.0	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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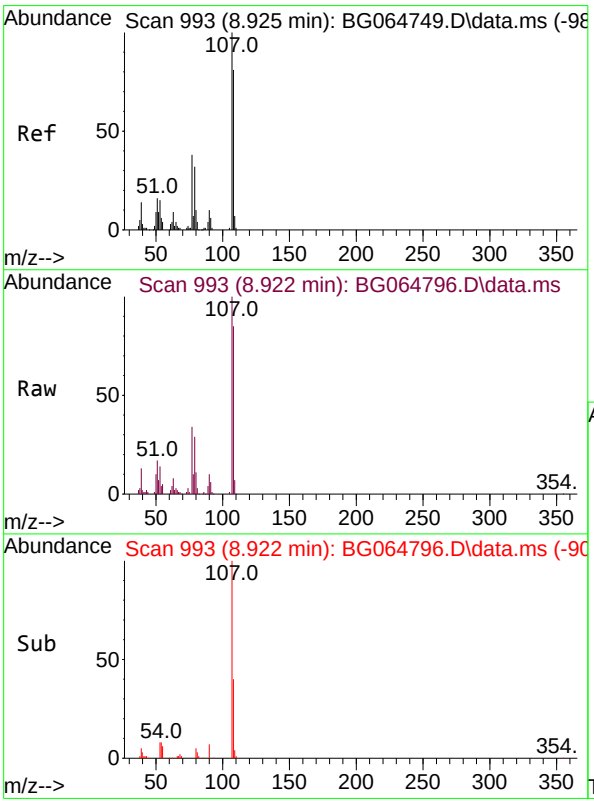
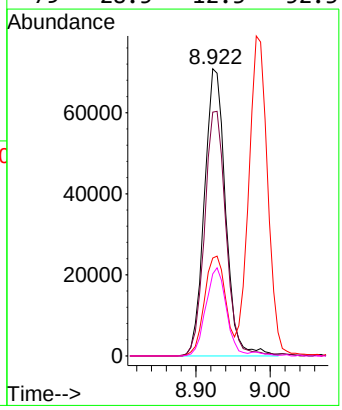
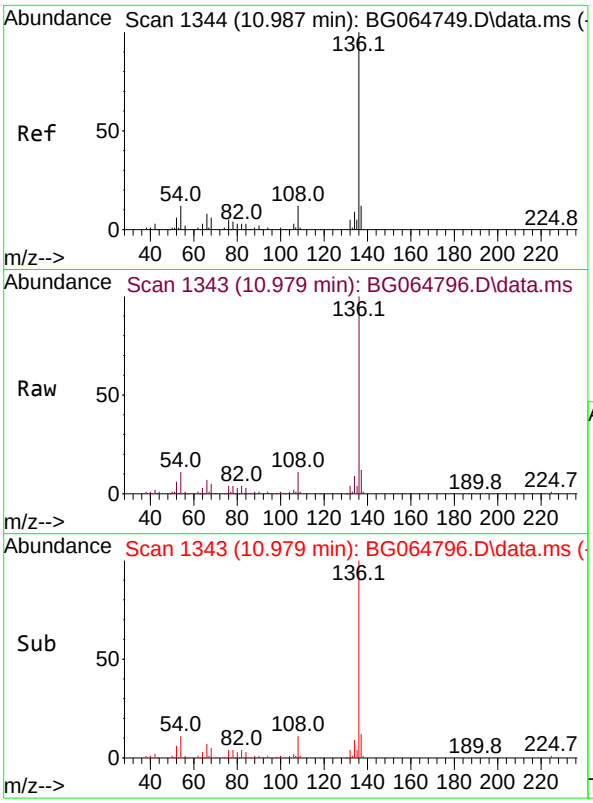


#20
3+4-Methylphenols
Concen: 48.952 ng
RT: 8.922 min Scan# 993
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:107 Resp: 140181

Ion	Ratio	Lower	Upper
107	100		
108	84.9	61.0	101.0
77	34.1	17.6	57.6
79	28.5	12.3	52.3

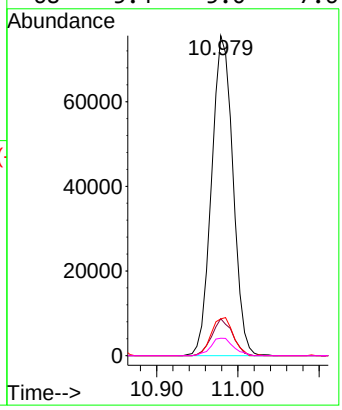




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:136 Resp: 13798

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	11.5	9.3	13.9
68	5.4	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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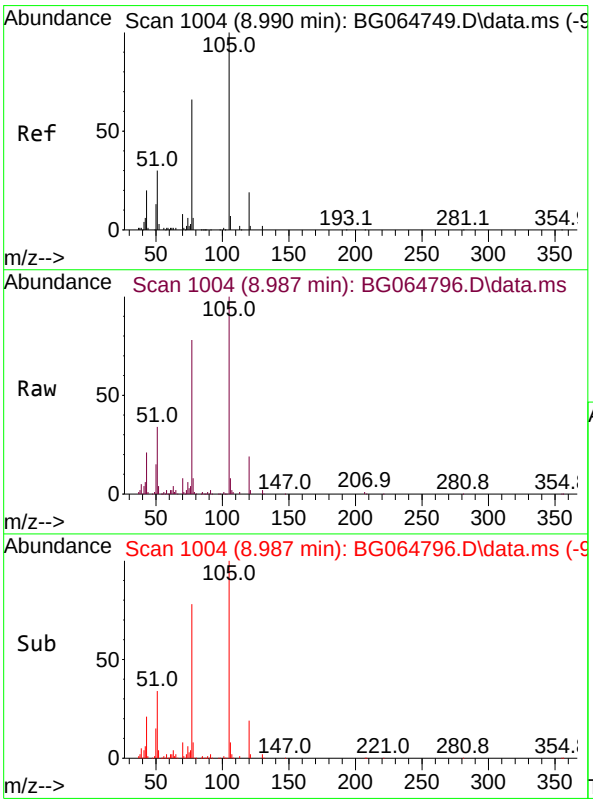
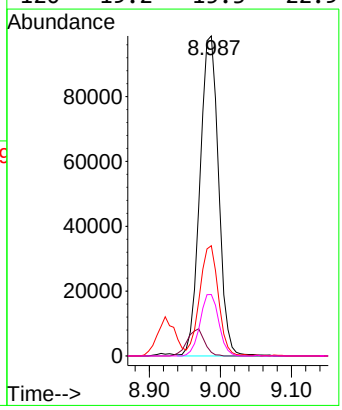
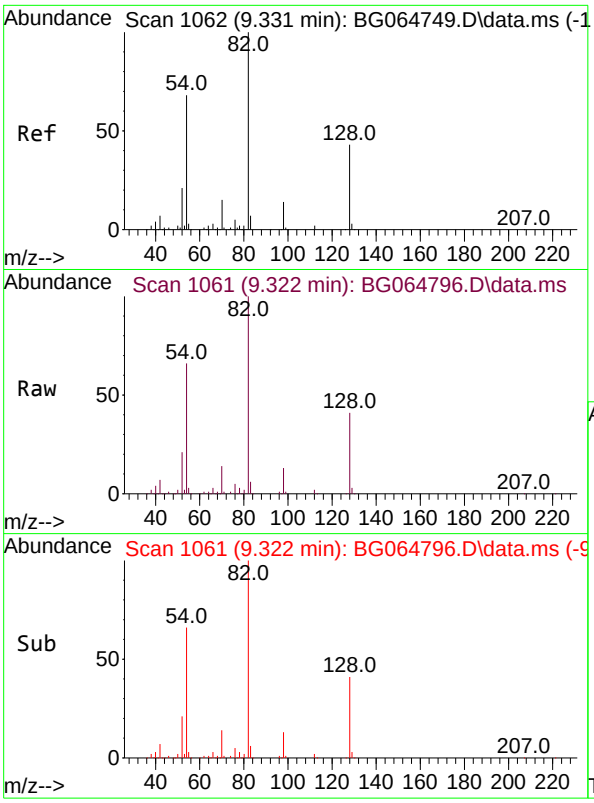


#22
Acetophenone
Concen: 47.651 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:105 Resp: 179131

Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.3	1.9#
51	34.4	27.9	41.9
120	19.2	15.3	22.9

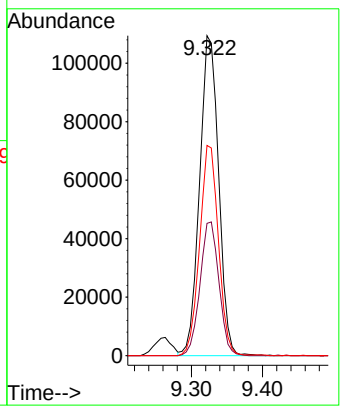




#23
Nitrobenzene-d5
Concen: 72.587 ng
RT: 9.322 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 82 Resp: 20257

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.1	51.1
54	65.7	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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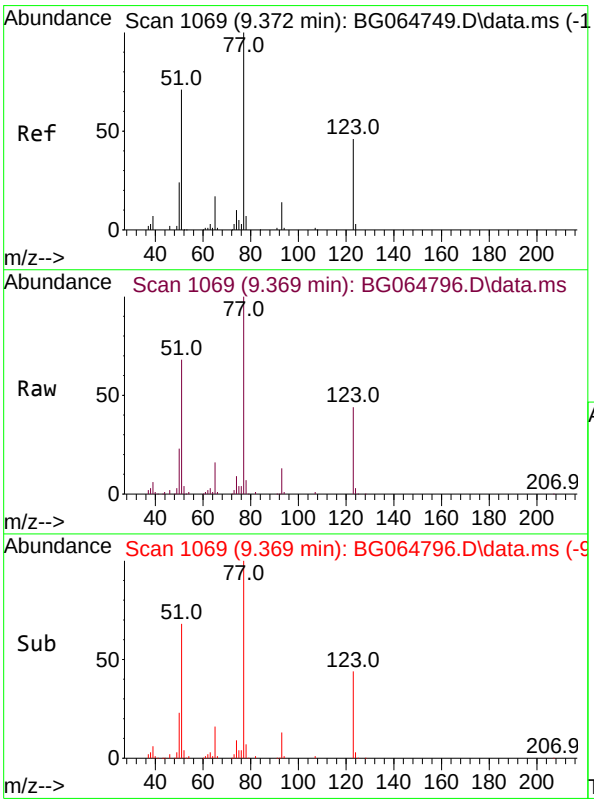
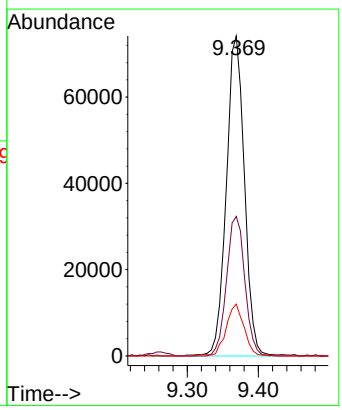
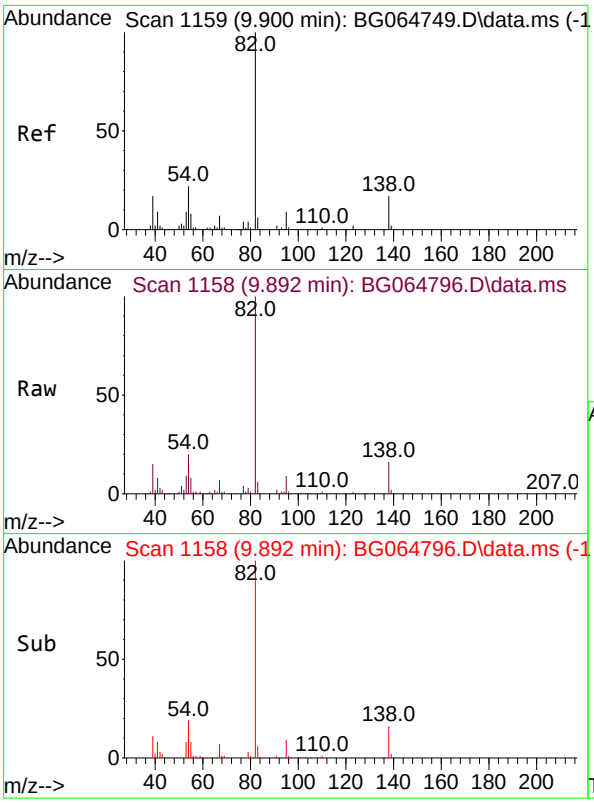


#24
Nitrobenzene
Concen: 46.451 ng
RT: 9.369 min Scan# 1069
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 77 Resp: 130982

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.5	54.7
65	16.2	13.5	20.3

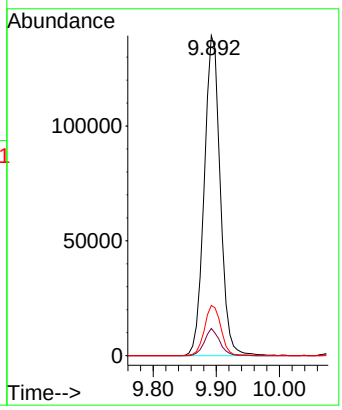




#25
Isophorone
Concen: 46.208 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 82 Resp: 24556

Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.9	10.3
138	15.7	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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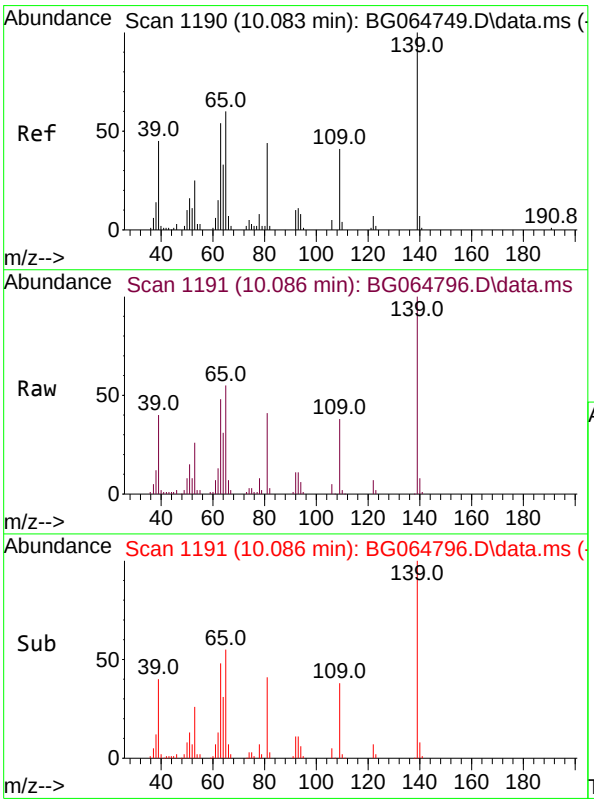
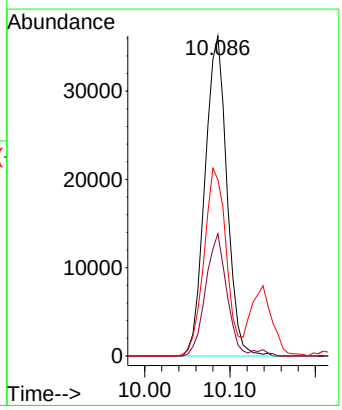
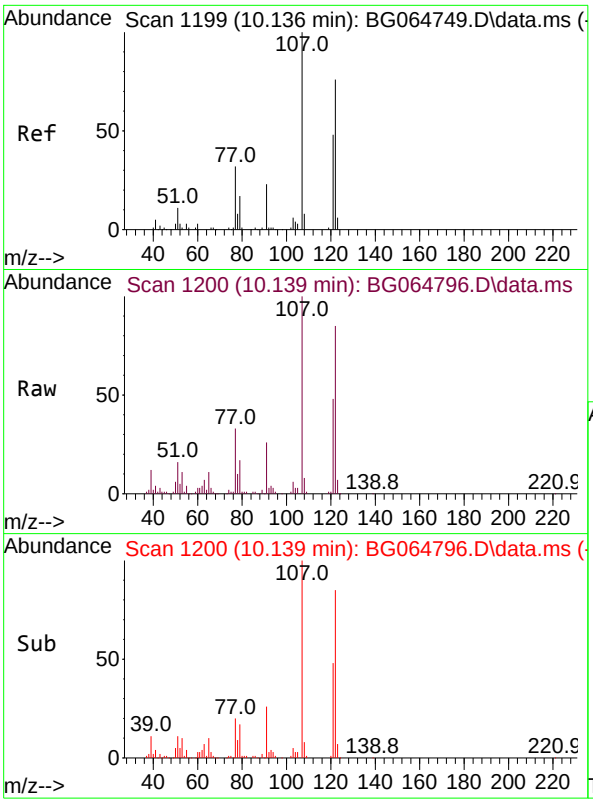


#26
2-Nitrophenol
Concen: 51.074 ng
RT: 10.086 min Scan# 1191
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:139 Resp: 64778

Ion	Ratio	Lower	Upper
139	100		
109	38.2	32.5	48.7
65	55.1	47.6	71.4

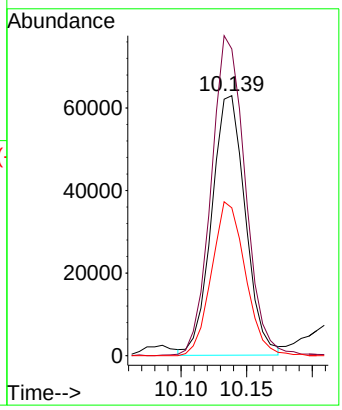




#27
2,4-Dimethylphenol
Concen: 49.794 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:122 Resp: 11219

Ion	Ratio	Lower	Upper
122	100		
107	118.0	102.5	153.7
121	56.8	49.0	73.6



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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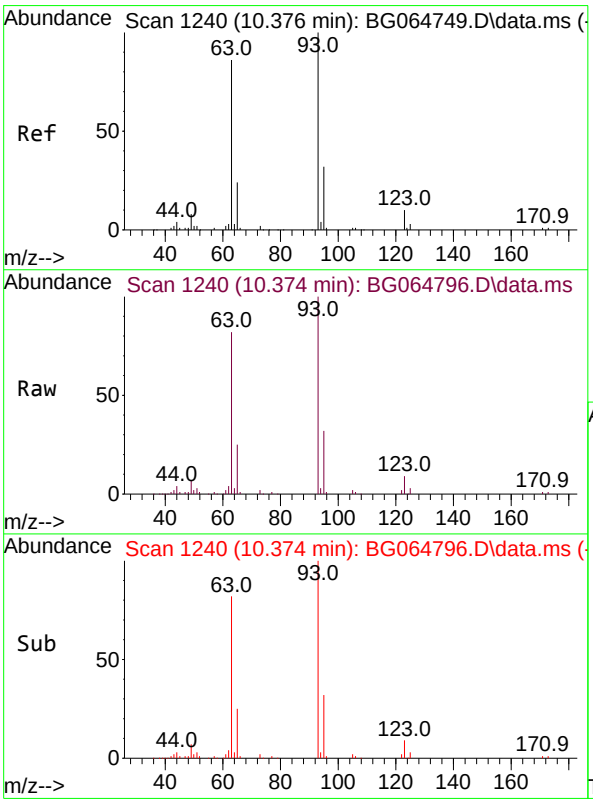
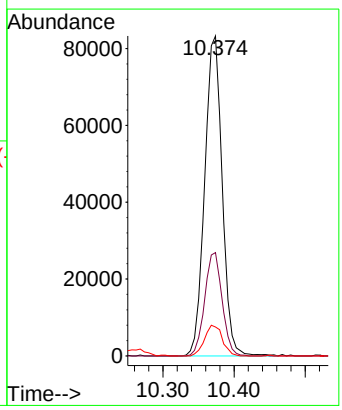
Supervised By :Sohil Jodhani 11/18/2025

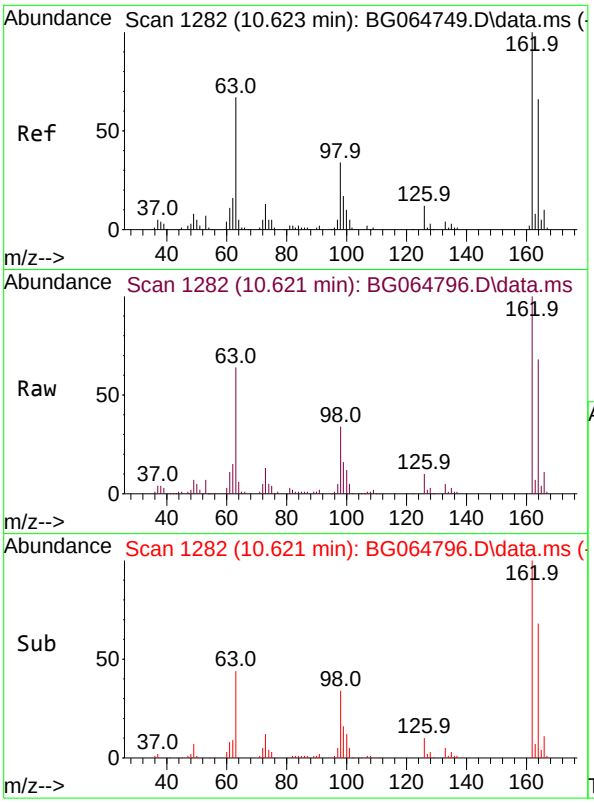


#28
bis(2-Chloroethoxy)methane
Concen: 48.780 ng
RT: 10.374 min Scan# 1240
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 93 Resp: 142319

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.4	38.2
123	9.1	8.1	12.1

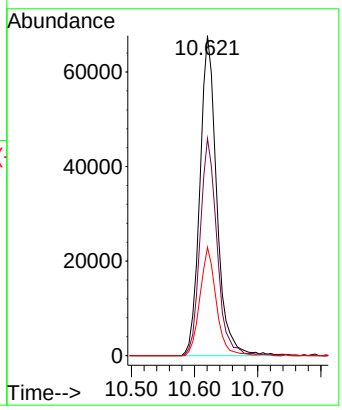




#29
2,4-Dichlorophenol
Concen: 51.933 ng
RT: 10.621 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:162 Resp: 12563

Ion	Ratio	Lower	Upper
162	100		
164	67.9	46.0	86.0
98	33.9	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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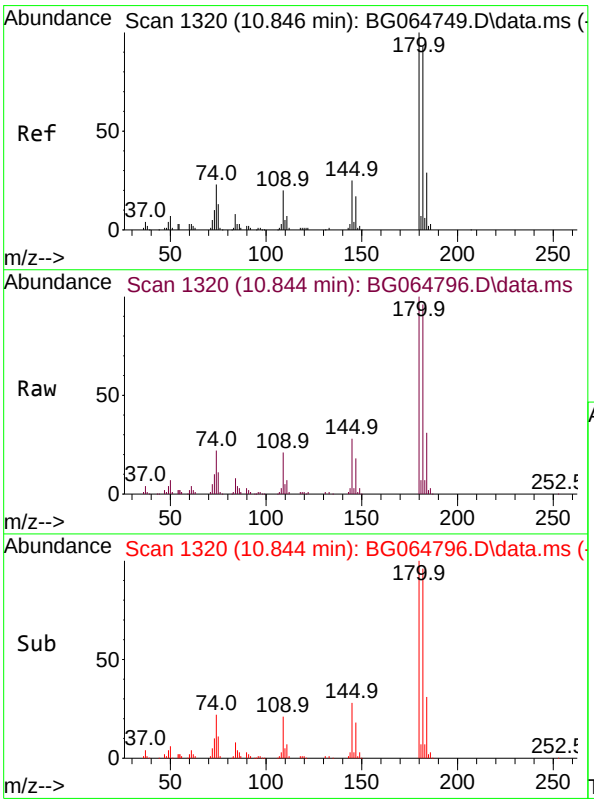
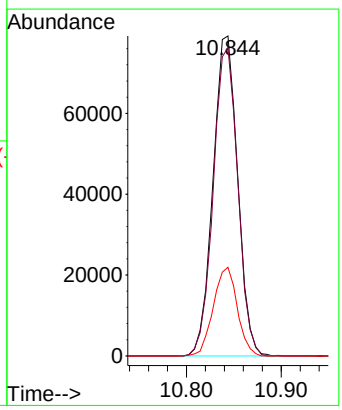
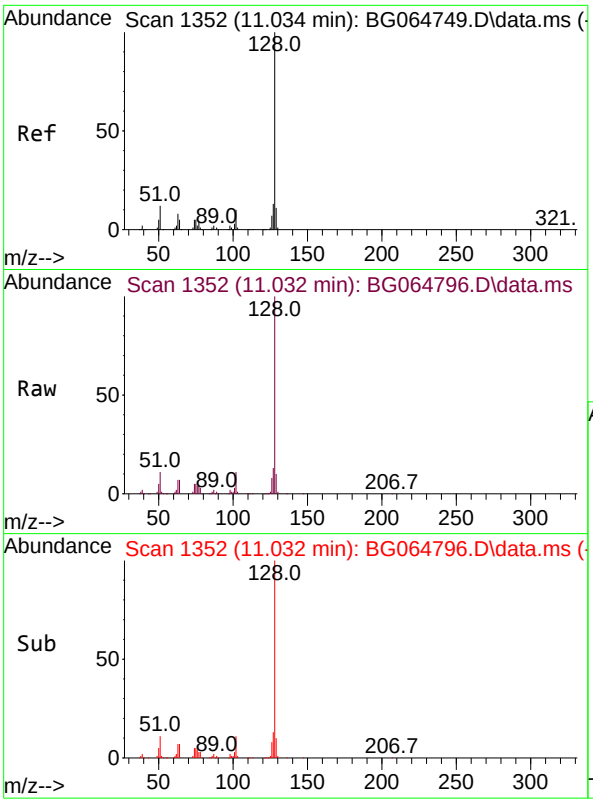


#30
1,2,4-Trichlorobenzene
Concen: 48.876 ng
RT: 10.844 min Scan# 1320
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:180 Resp: 142774

Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.2	111.4
145	27.7	20.0	30.0

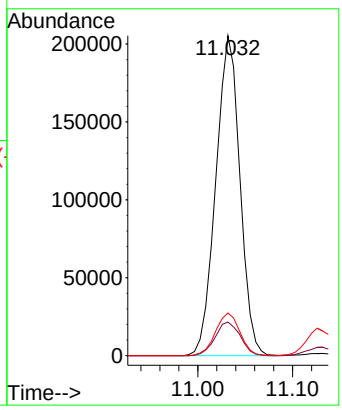




#31
Naphthalene
Concen: 46.392 ng
RT: 11.032 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:128 Resp: 36287

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.4	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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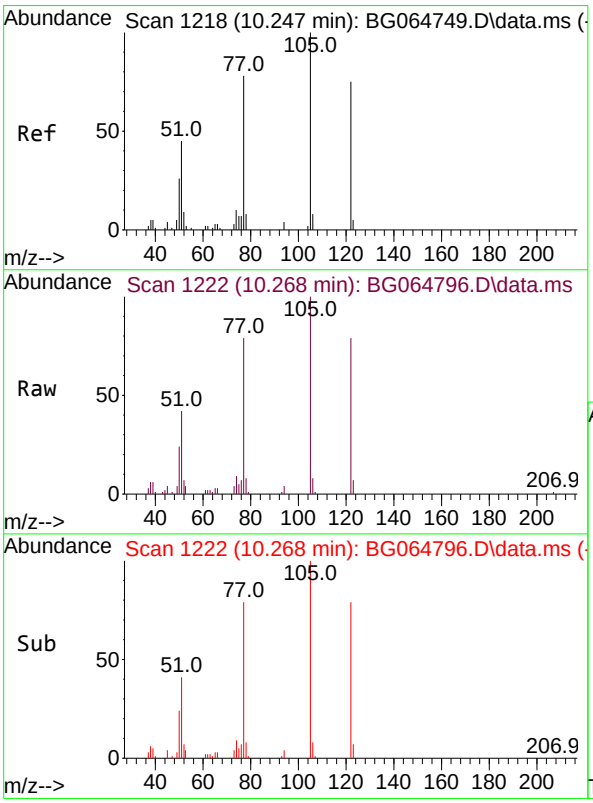
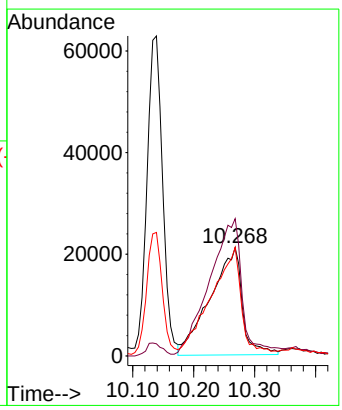
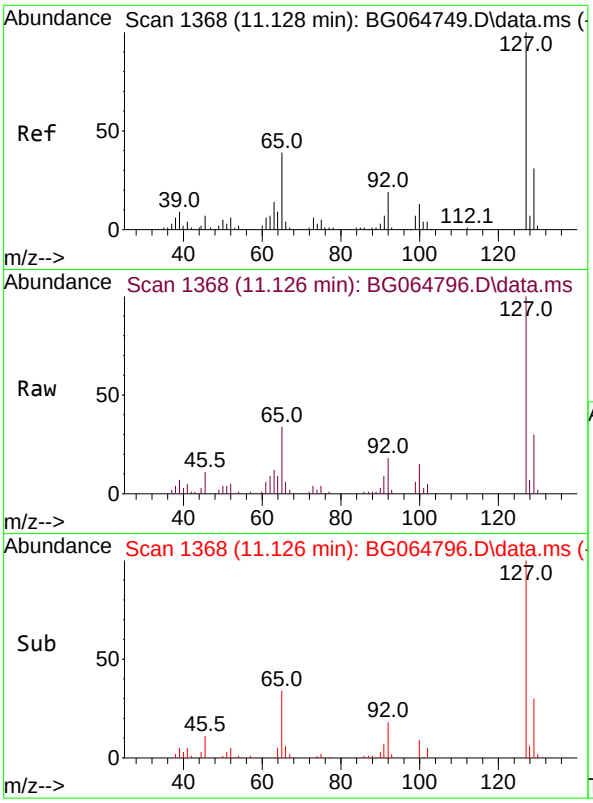


#32
Benzoic acid
Concen: 48.481 ng
RT: 10.268 min Scan# 1222
Delta R.T. 0.021 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:122 Resp: 77206

Ion	Ratio	Lower	Upper
122	100		
105	126.8	107.6	147.6
77	100.2	82.5	122.5

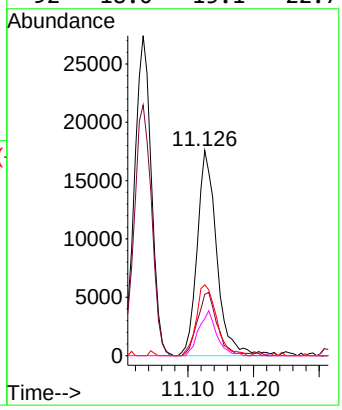




#33
4-Chloroaniline
Concen: 11.598 ng
RT: 11.126 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:127 Resp: 3629

Ion	Ratio	Lower	Upper
127	100		
129	29.9	24.9	37.3
65	34.5	30.9	46.3
92	18.0	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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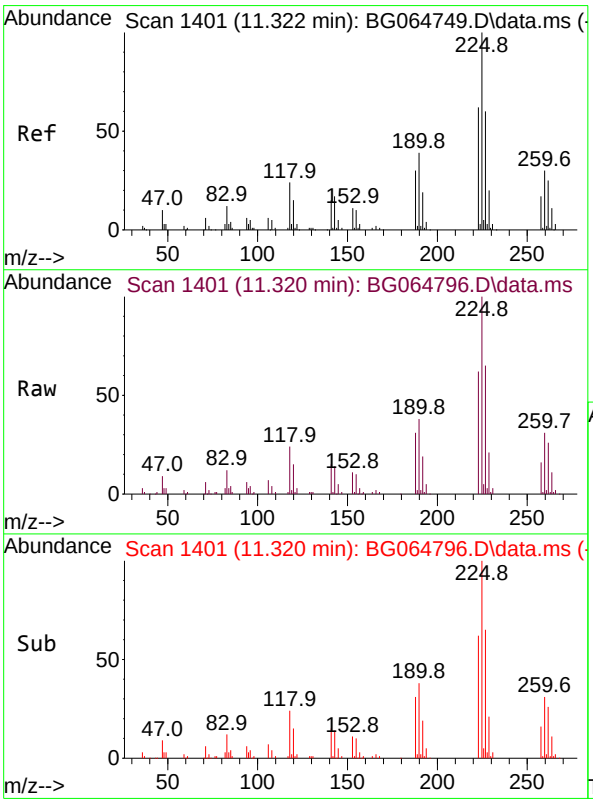
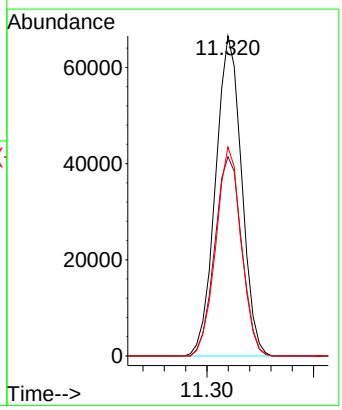
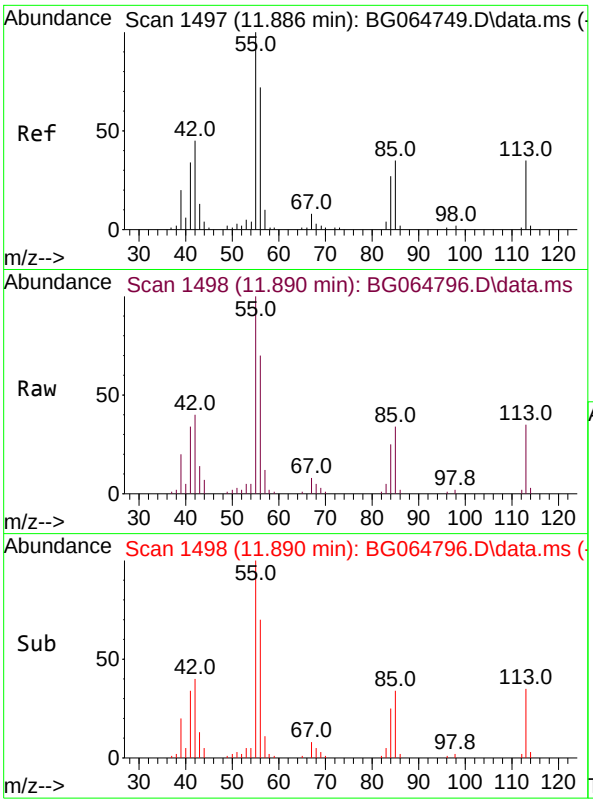


#34
Hexachlorobutadiene
Concen: 45.064 ng
RT: 11.320 min Scan# 1401
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:225 Resp: 112947

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	68.0	50.6	75.8





#35
Caprolactam
Concen: 48.571 ng m
RT: 11.890 min Scan# 14
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:113 Resp: 3514

Ion	Ratio	Lower	Upper
113	100		
55	285.3	263.7	303.7
56	199.6	184.0	224.0

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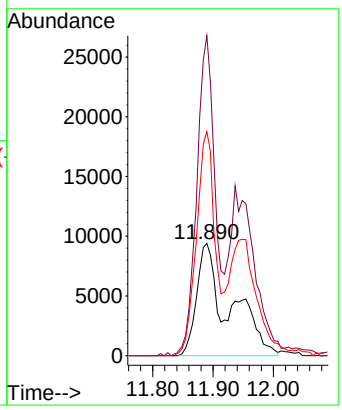
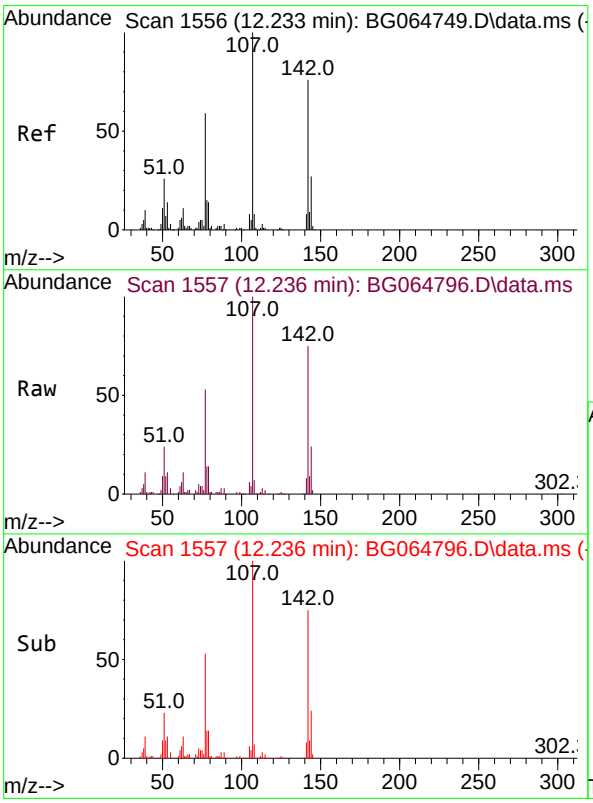
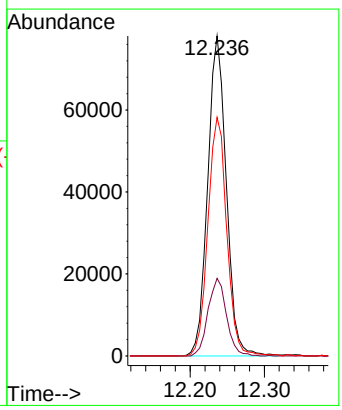


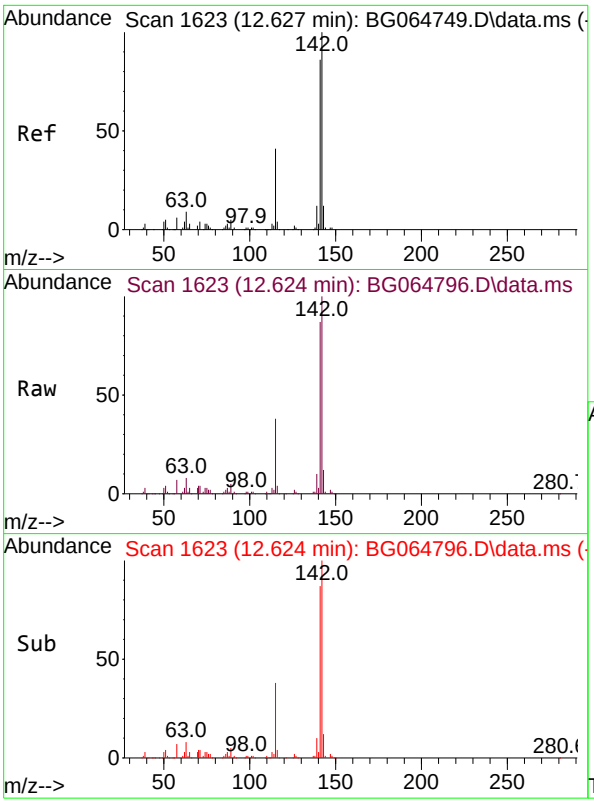


#36
4-Chloro-3-methylphenol
Concen: 50.487 ng
RT: 12.236 min Scan# 1557
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:107 Resp: 135942

Ion	Ratio	Lower	Upper
107	100		
144	24.2	21.7	32.5
142	74.5	60.8	91.2

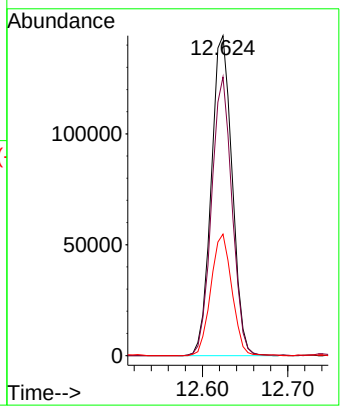




#37
2-Methylnaphthalene
Concen: 41.881 ng
RT: 12.624 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:142 Resp: 24514

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.1	103.7
115	38.0	32.9	49.3



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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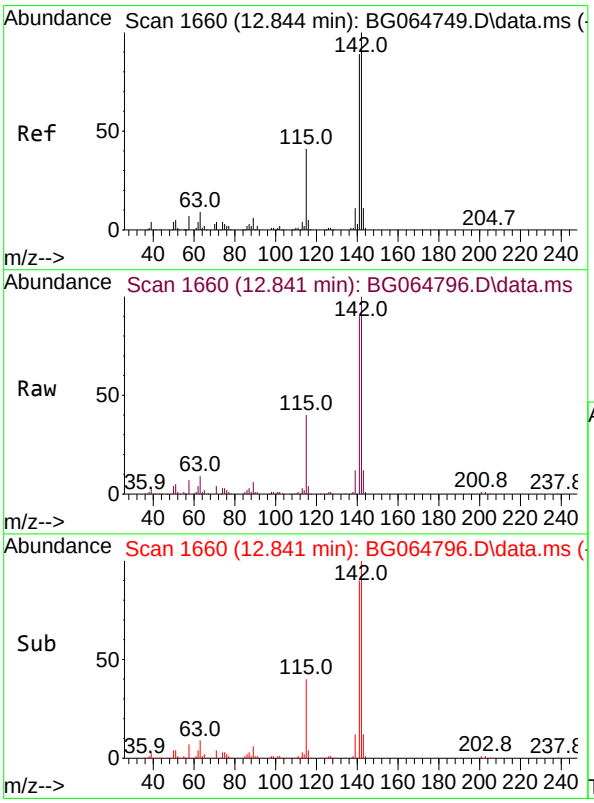
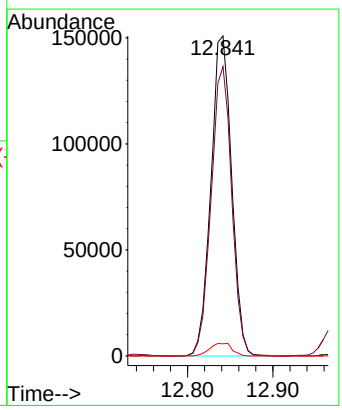
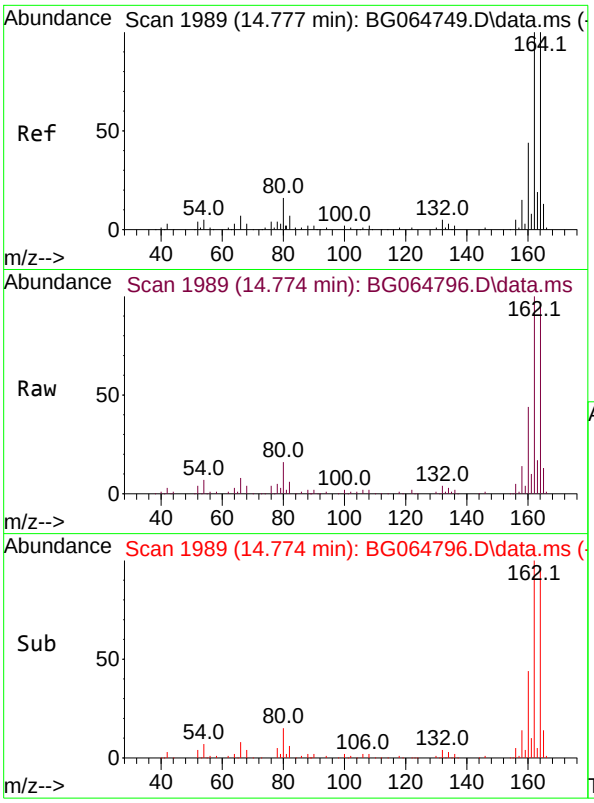


#38
1-Methylnaphthalene
Concen: 43.878 ng
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:142 Resp: 255126

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.8	106.2
116	3.8	3.7	5.5

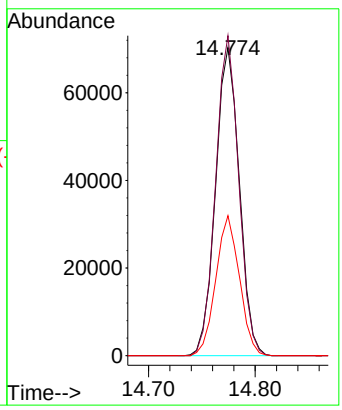




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:164 Resp: 10926

Ion	Ratio	Lower	Upper
164	100		
162	103.9	79.8	119.6
160	45.4	34.9	52.3



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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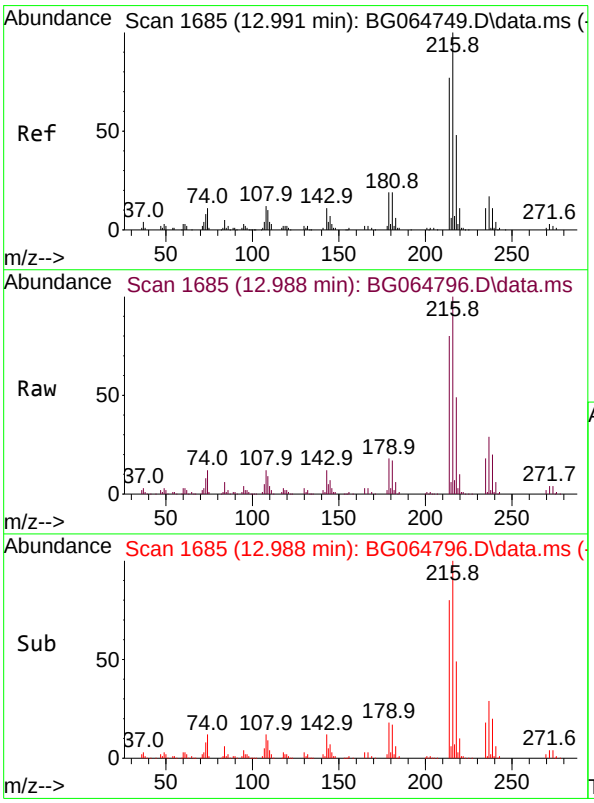
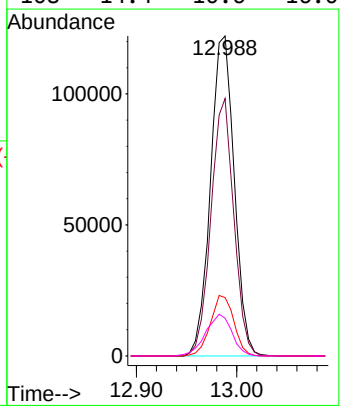
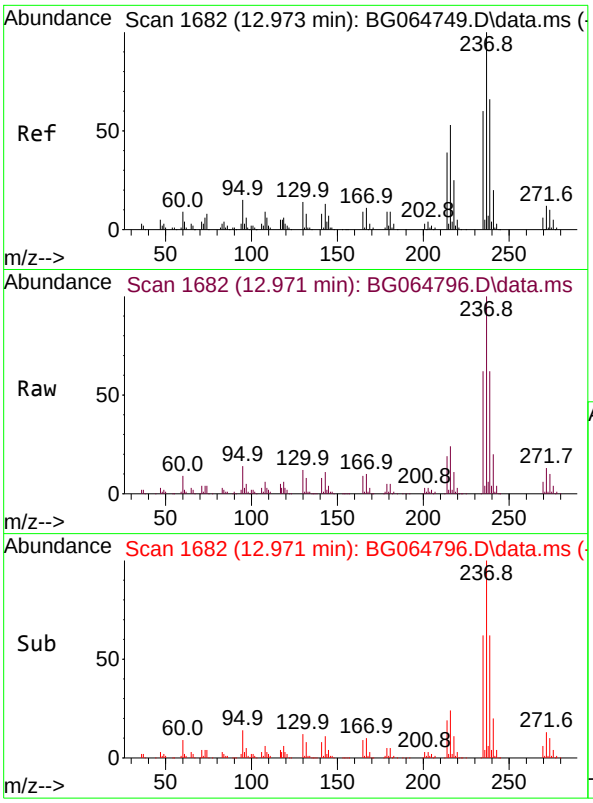


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.361 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:216 Resp: 201397

Ion	Ratio	Lower	Upper
216	100		
214	77.1	60.5	90.7
179	18.5	14.7	22.1
108	14.4	10.6	16.0





#41
Hexachlorocyclopentadiene
Concen: 90.187 ng
RT: 12.971 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:237 Resp: 27488

Ion	Ratio	Lower	Upper
237	100		
235	61.7	40.2	80.2
272	12.7	0.0	31.9

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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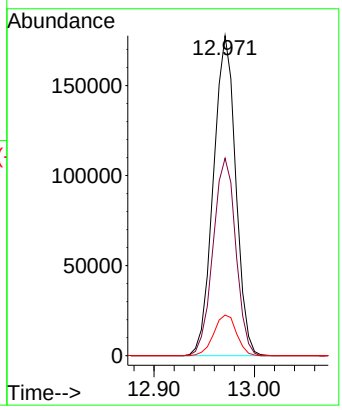
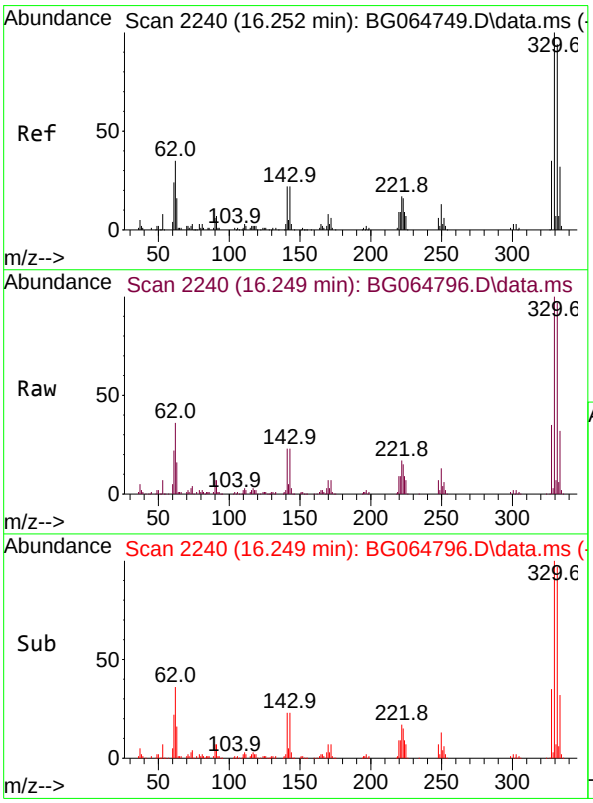
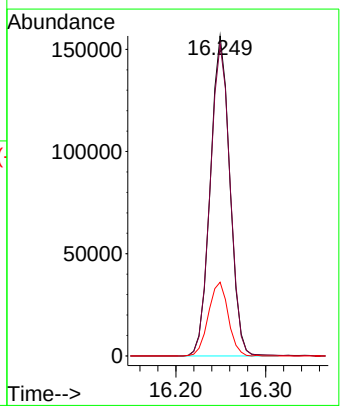


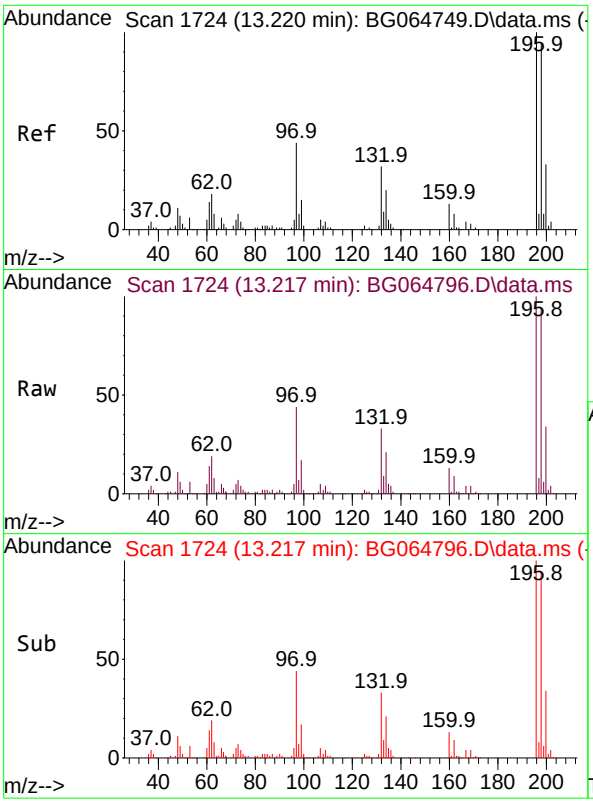


#42
2,4,6-Tribromophenol
Concen: 110.951 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:330 Resp: 236442

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	23.3	18.2	27.2





#43
2,4,6-Trichlorophenol
Concen: 50.334 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:196 Resp: 12562

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.3	112.9
200	33.6	26.2	39.2

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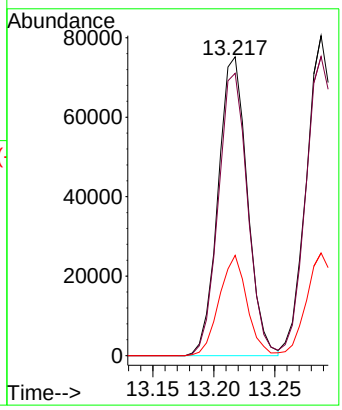
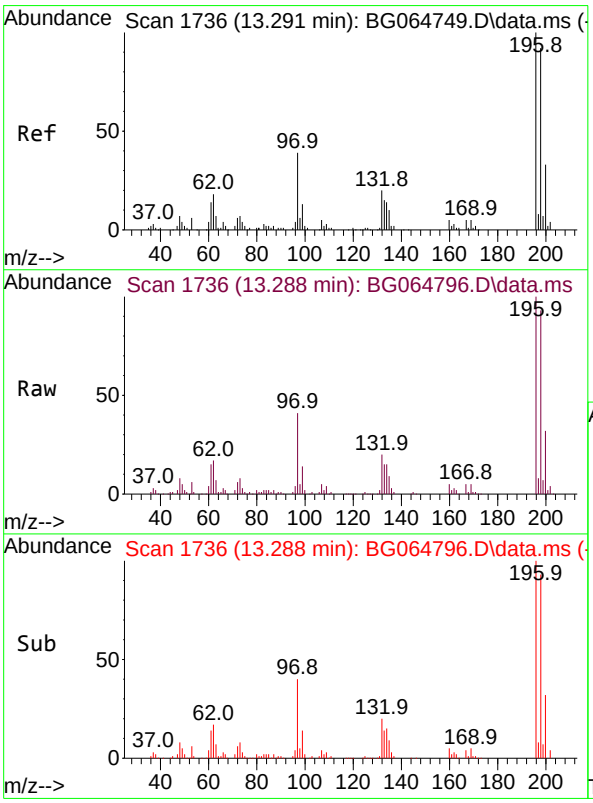
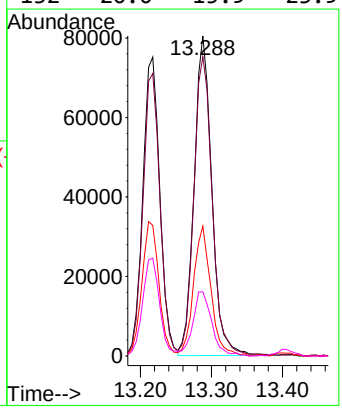


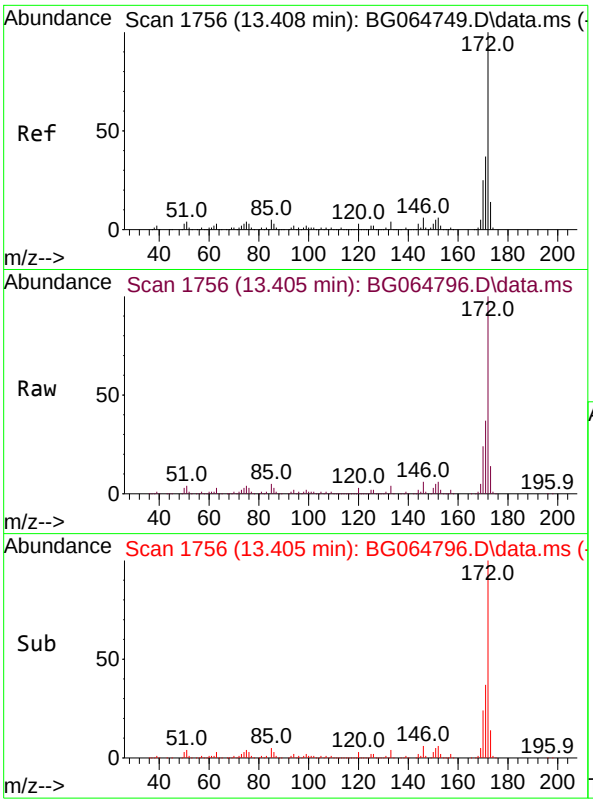


#44
2,4,5-Trichlorophenol
Concen: 49.701 ng
RT: 13.288 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:196 Resp: 139123

Ion	Ratio	Lower	Upper
196	100		
198	93.5	73.2	109.8
97	40.5	31.4	47.0
132	20.0	15.9	23.9

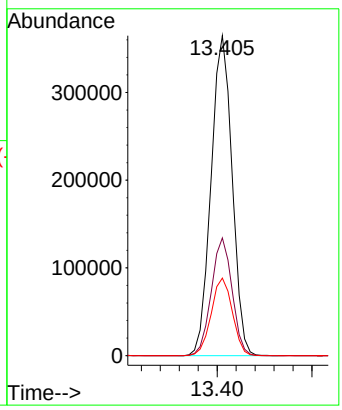




#45
2-Fluorobiphenyl
Concen: 71.824 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:172 Resp: 56244

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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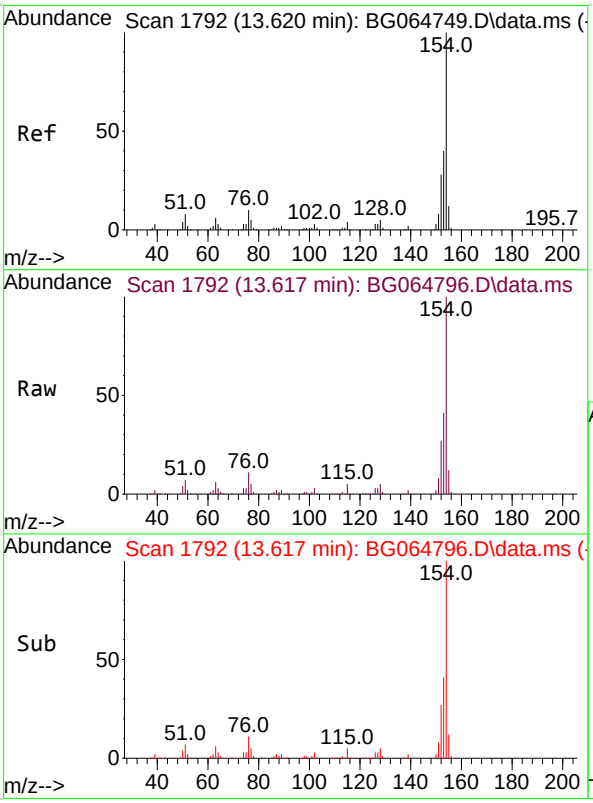
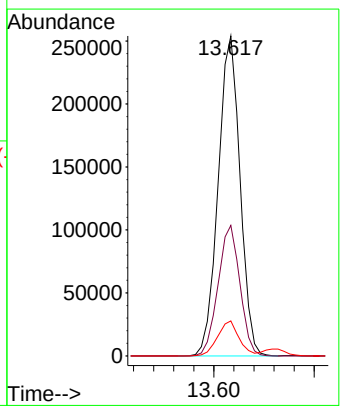
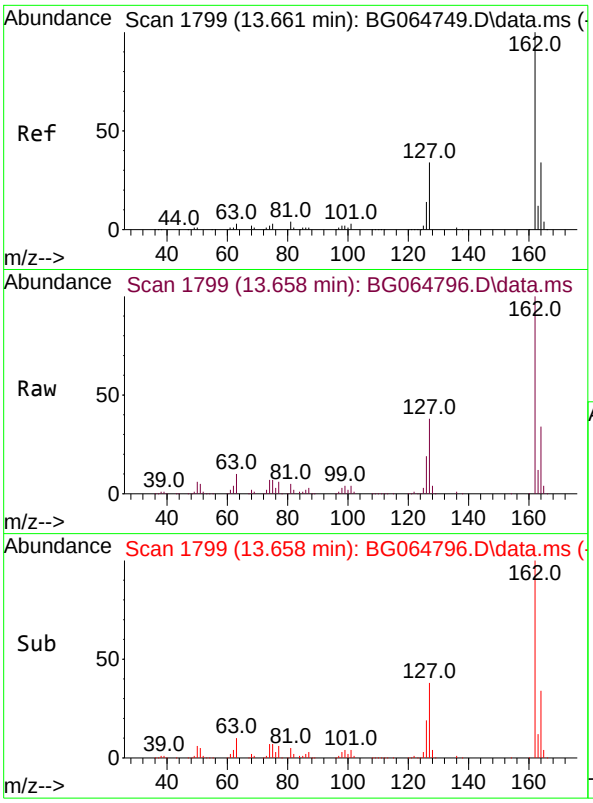


#46
1,1'-Biphenyl
Concen: 49.059 ng
RT: 13.617 min Scan# 1792
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:154 Resp: 385008

Ion	Ratio	Lower	Upper
154	100		
153	40.8	19.8	59.8
76	10.9	0.0	30.0

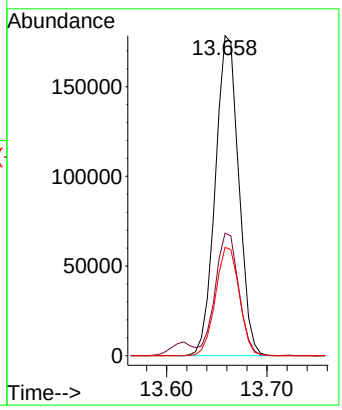




#47
2-Chloronaphthalene
Concen: 46.881 ng
RT: 13.658 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:162 Resp: 28985

Ion	Ratio	Lower	Upper
162	100		
127	38.3	30.3	45.5
164	33.8	26.8	40.2



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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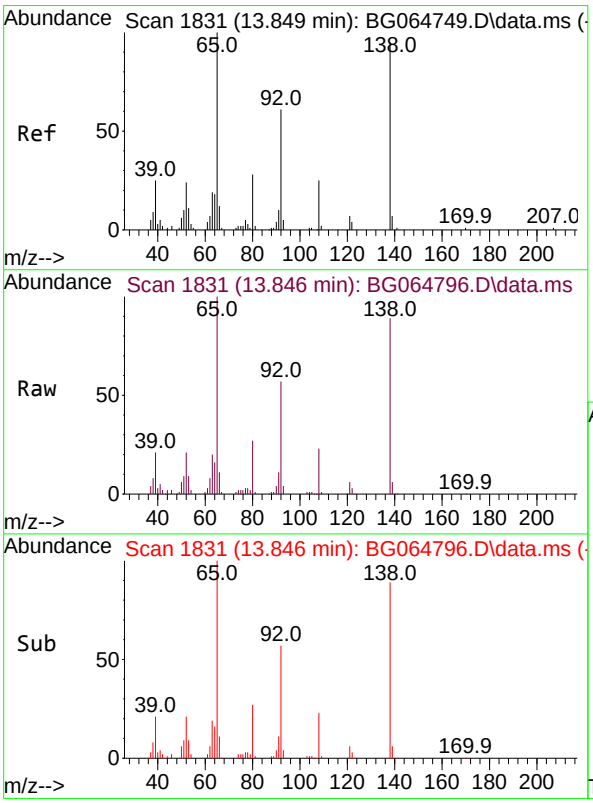
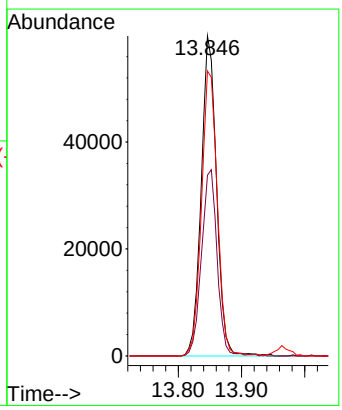
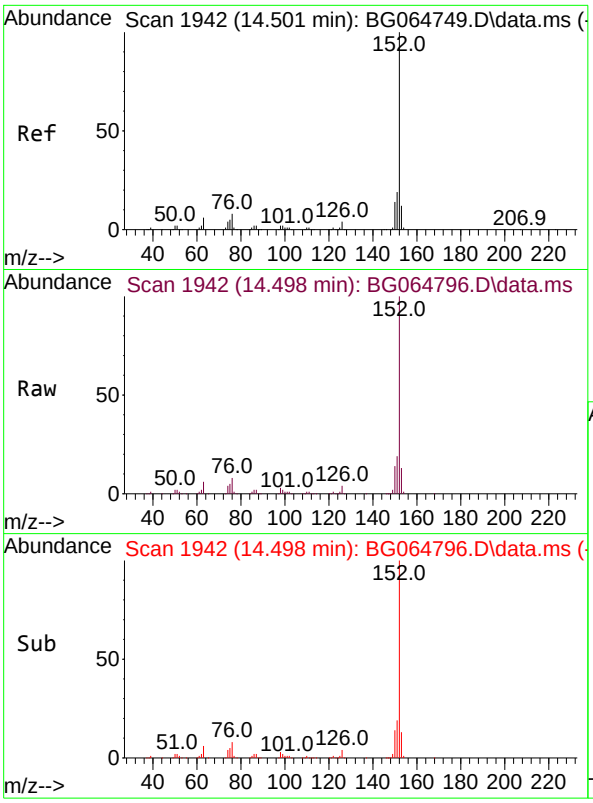


#48
2-Nitroaniline
Concen: 50.536 ng
RT: 13.846 min Scan# 1831
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 65 Resp: 100497

Ion	Ratio	Lower	Upper
65	100		
92	56.5	48.6	73.0
138	89.0	76.4	114.6

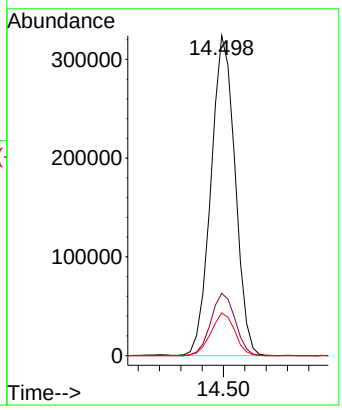




#49
Acenaphthylene
Concen: 48.315 ng
RT: 14.498 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:152 Resp: 51033

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.0	22.4
153	13.3	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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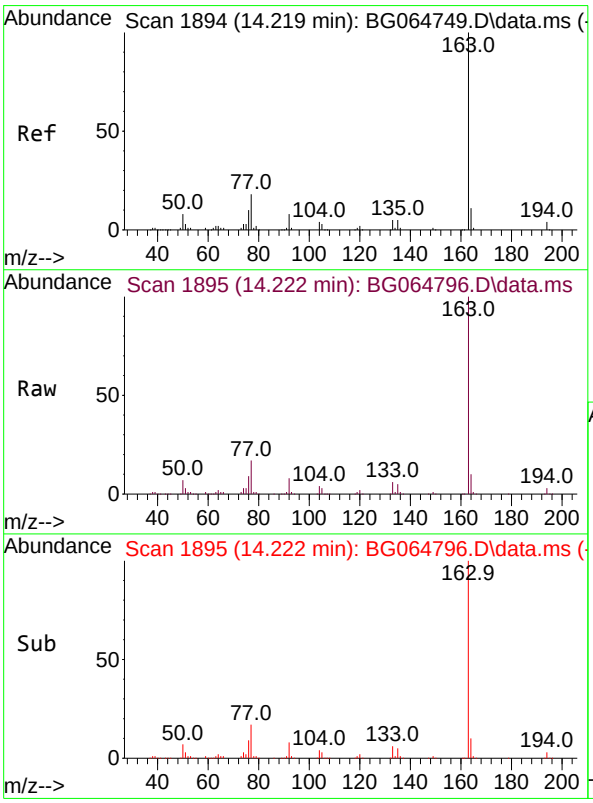
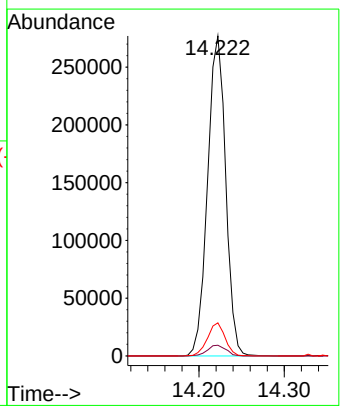
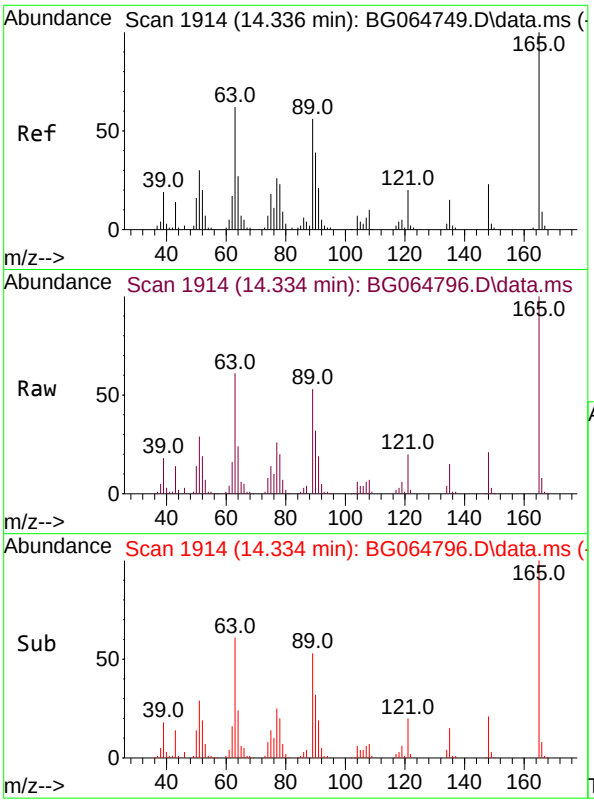


#50
Dimethylphthalate
Concen: 47.262 ng
RT: 14.222 min Scan# 1895
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:163 Resp: 407935

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.1	4.7
164	10.3	8.6	12.8





#51
2,6-Dinitrotoluene
Concen: 52.205 ng
RT: 14.334 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:165 Resp: 8670

Ion	Ratio	Lower	Upper
165	100		
63	61.4	49.8	74.8
89	52.7	45.0	67.4

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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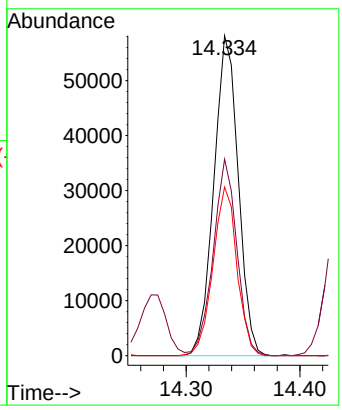
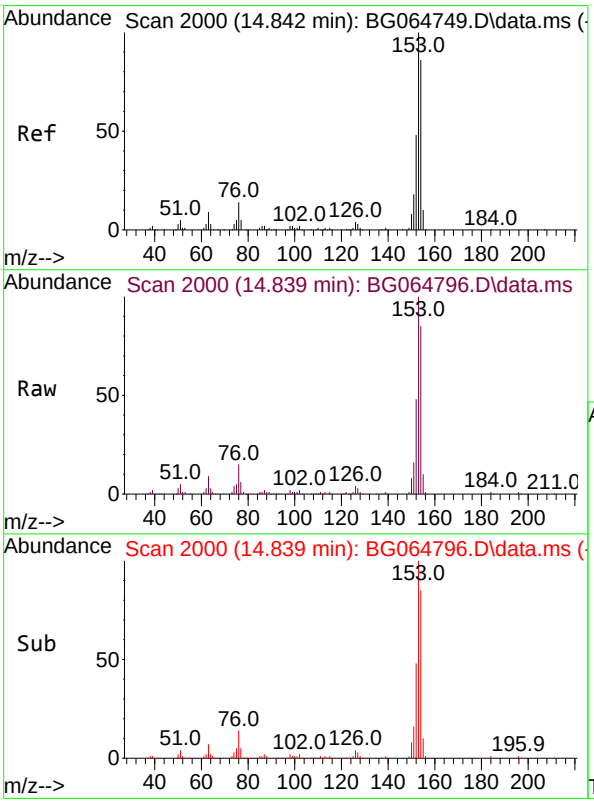
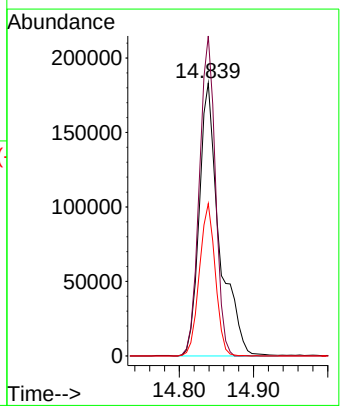


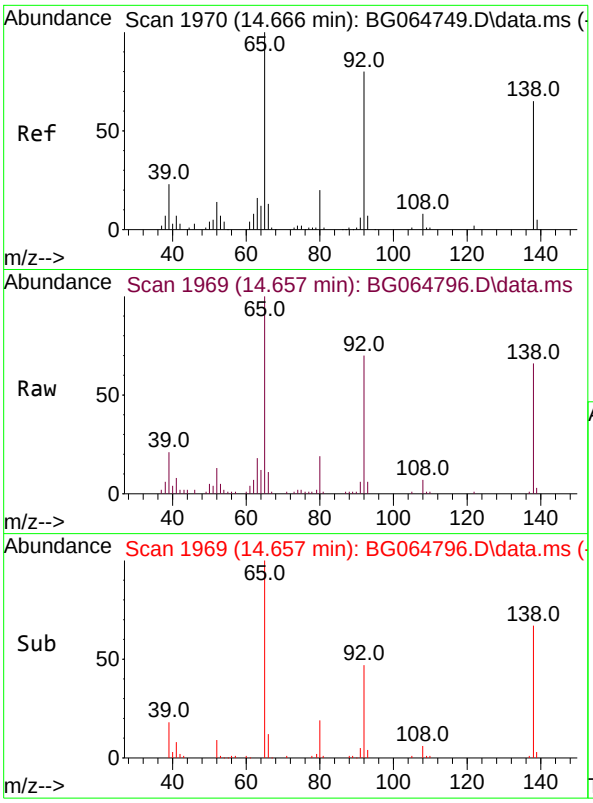


#52
Acenaphthene
Concen: 54.493 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:154 Resp: 345121

Ion	Ratio	Lower	Upper
154	100		
153	117.3	93.0	139.4
152	55.8	44.4	66.6





#53
3-Nitroaniline
Concen: 20.978 ng
RT: 14.657 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:138 Resp: 3438

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.5	14.3
92	105.8	99.0	148.4

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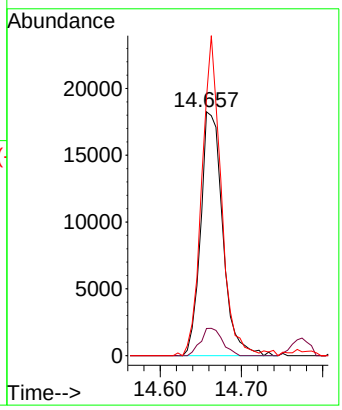
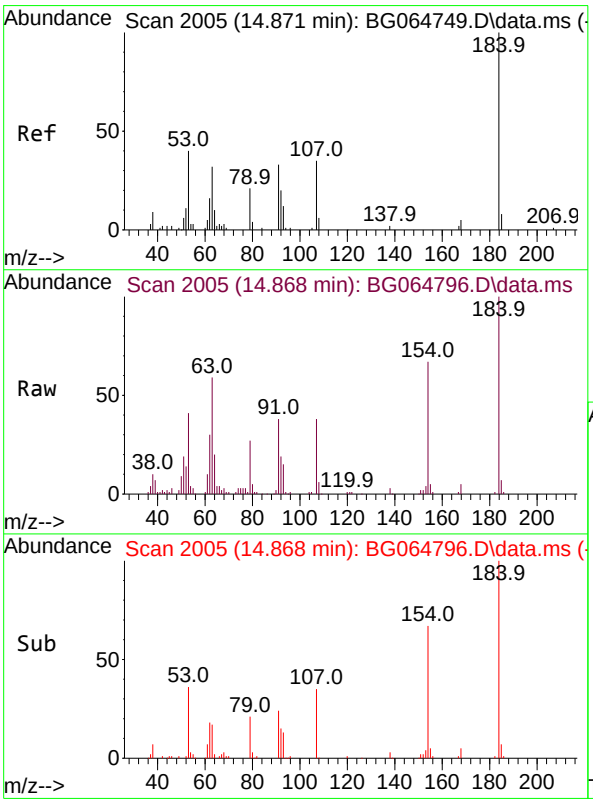
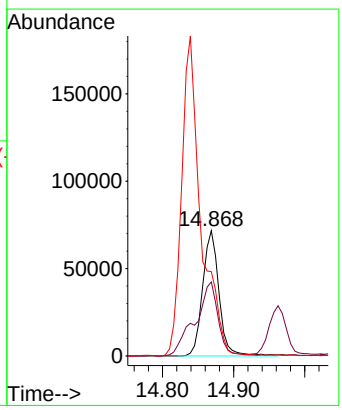


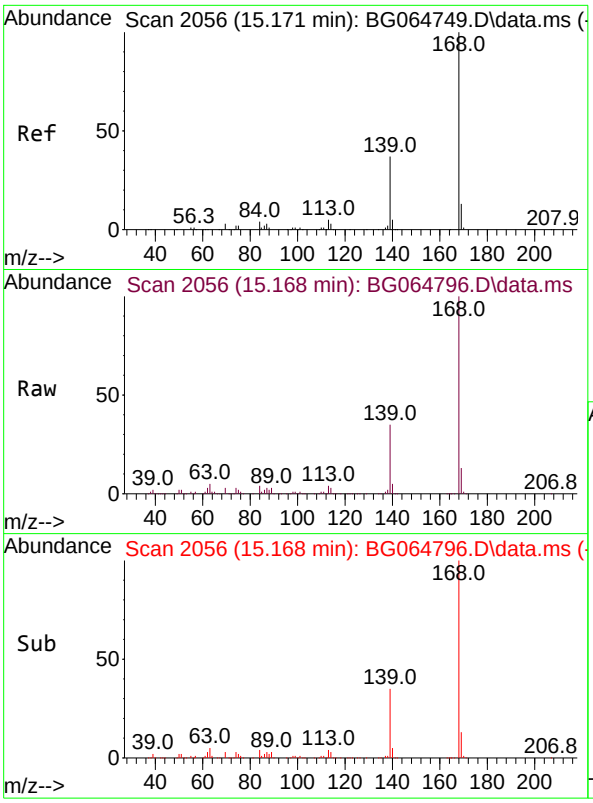


#54
2,4-Dinitrophenol
Concen: 98.155 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:184 Resp: 114155

Ion	Ratio	Lower	Upper
184	100		
63	59.1	45.8	68.6
154	67.3	52.6	78.8

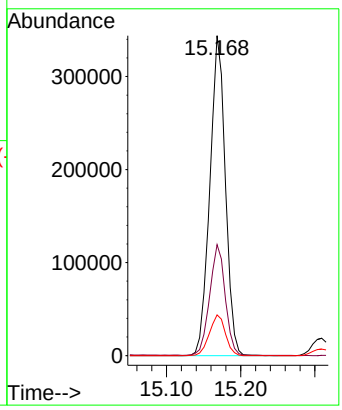




#55
Dibenzofuran
Concen: 47.790 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:168 Resp: 50037

Ion	Ratio	Lower	Upper
168	100		
139	34.7	29.5	44.3
169	12.7	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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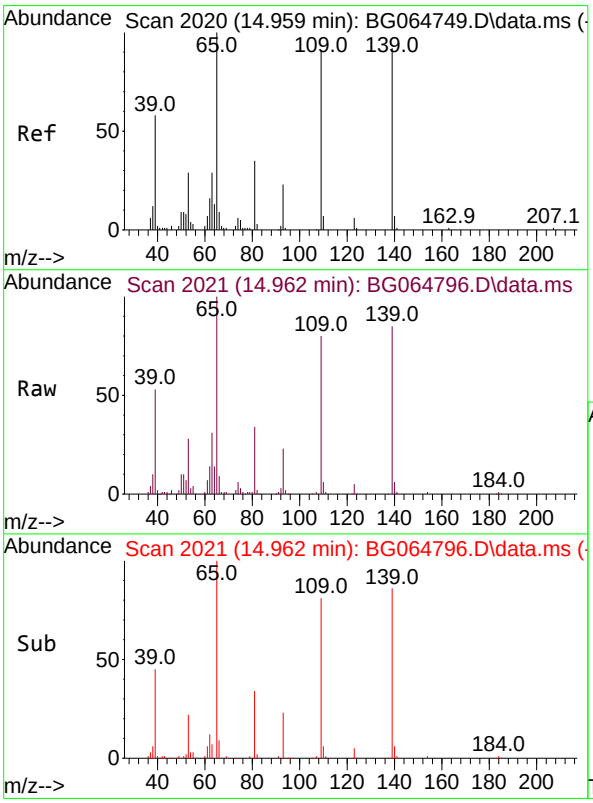
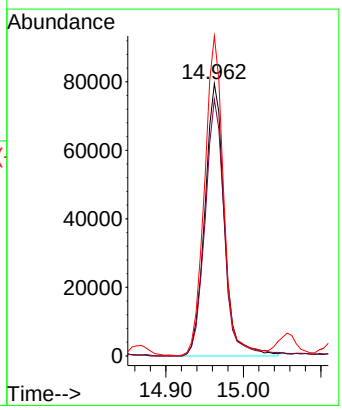
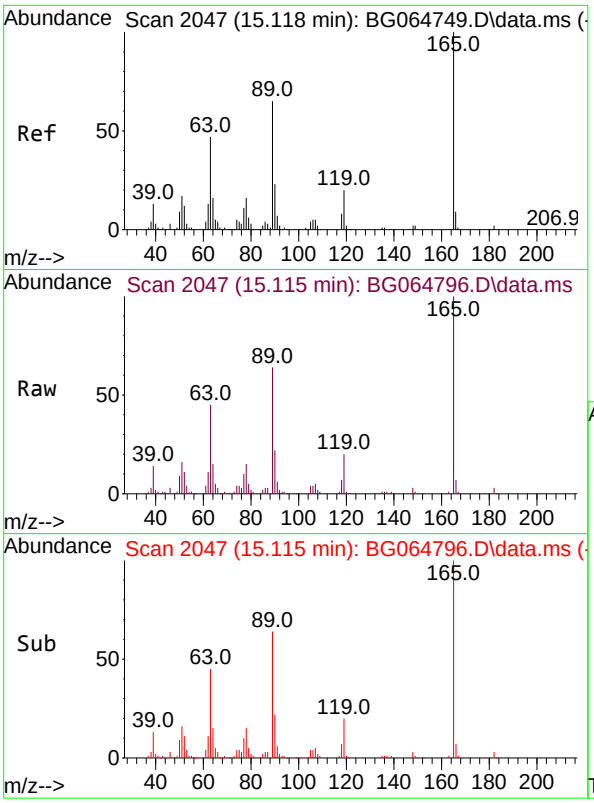


#56
4-Nitrophenol
Concen: 106.554 ng
RT: 14.962 min Scan# 2021
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:139 Resp: 138584

Ion	Ratio	Lower	Upper
139	100		
109	94.2	79.7	119.7
65	117.5	89.9	129.9

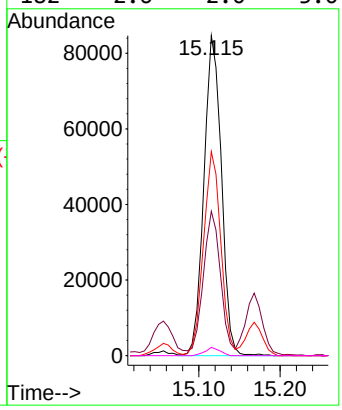




#57
2,4-Dinitrotoluene
Concen: 51.006 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:165 Resp: 12700

Ion	Ratio	Lower	Upper
165	100		
63	45.1	37.8	56.6
89	63.7	51.6	77.4
182	2.6	2.0	3.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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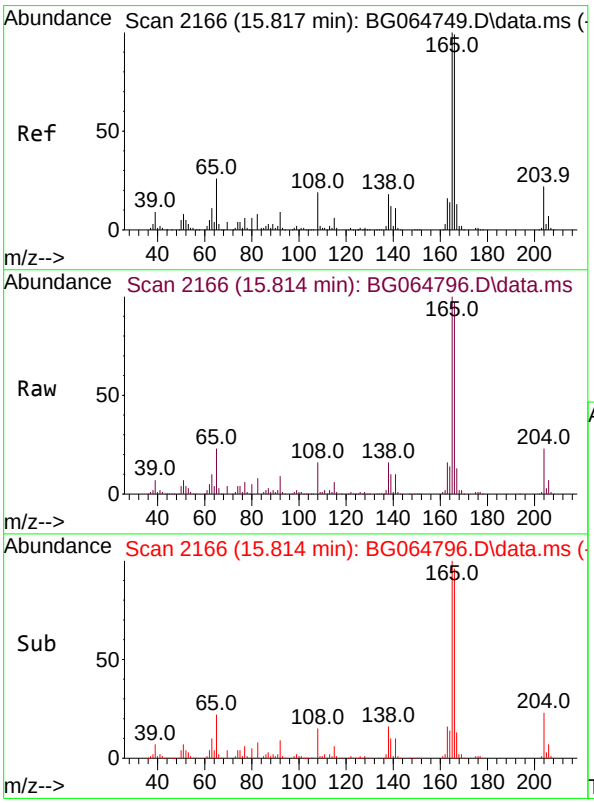
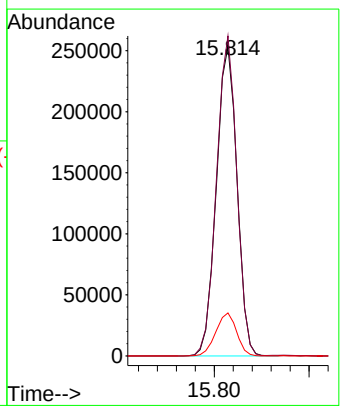
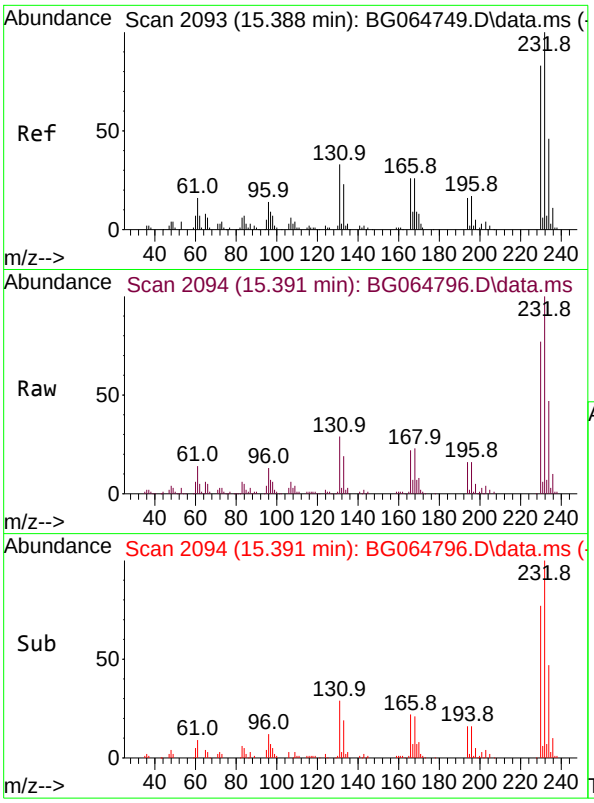


#58
Fluorene
Concen: 46.703 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:166 Resp: 383525

Ion	Ratio	Lower	Upper
166	100		
165	103.5	80.5	120.7
167	13.9	10.3	15.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.676 ng
RT: 15.391 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:232 Resp: 14548

Ion	Ratio	Lower	Upper
232	100		
131	30.1	26.0	39.0
130	1.7	1.6	2.4
166	23.8	19.8	29.6

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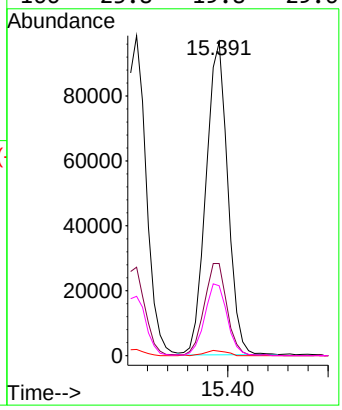
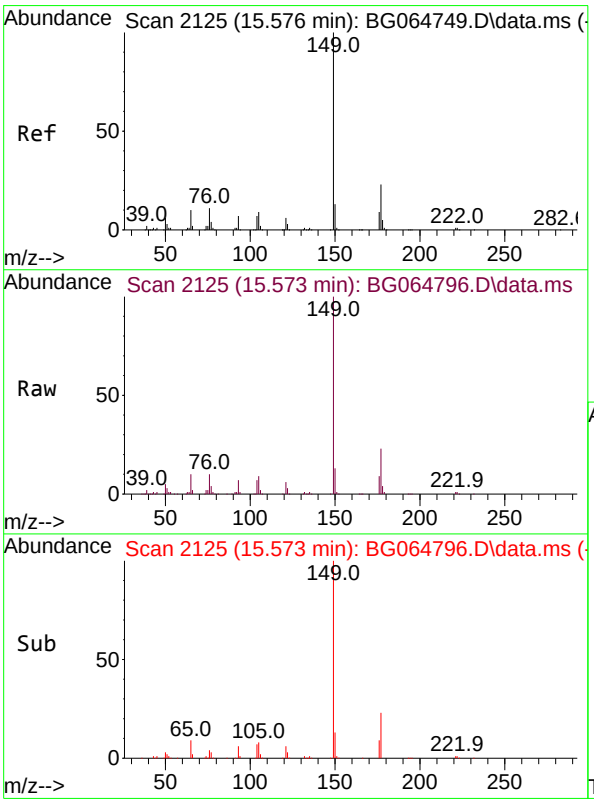
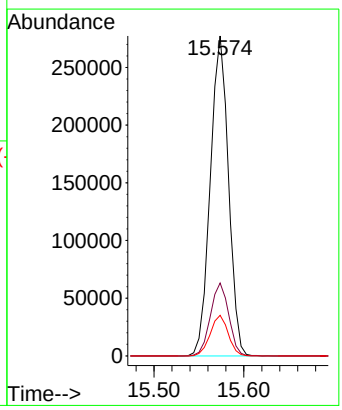


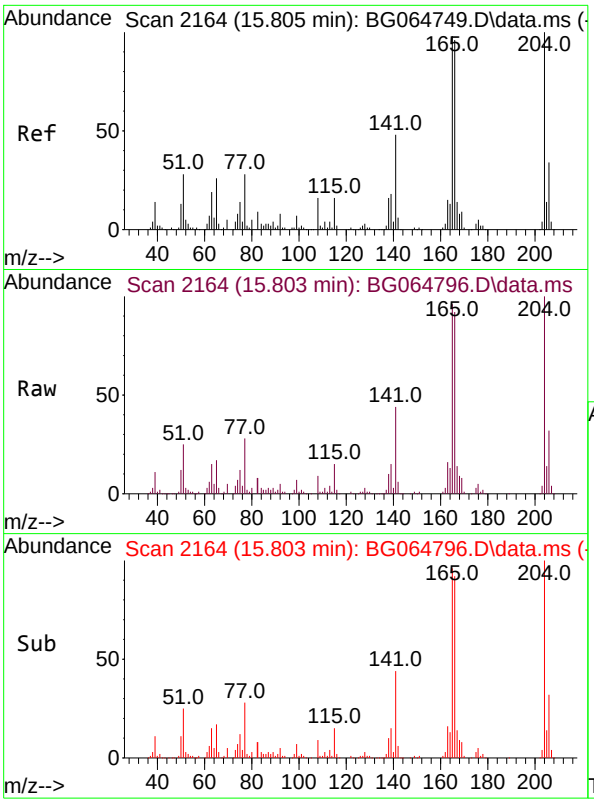


#60
Diethylphthalate
Concen: 47.257 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:149 Resp: 390741

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.7	10.1	15.1

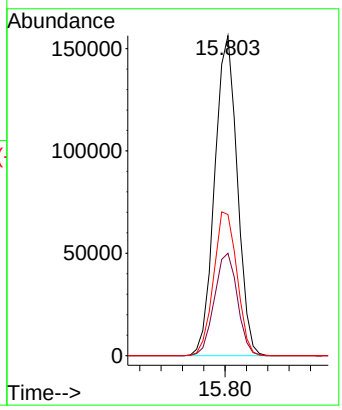




#61
4-Chlorophenyl-phenylether
Concen: 46.649 ng
RT: 15.803 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:204 Resp: 22990

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.9	40.3
141	44.1	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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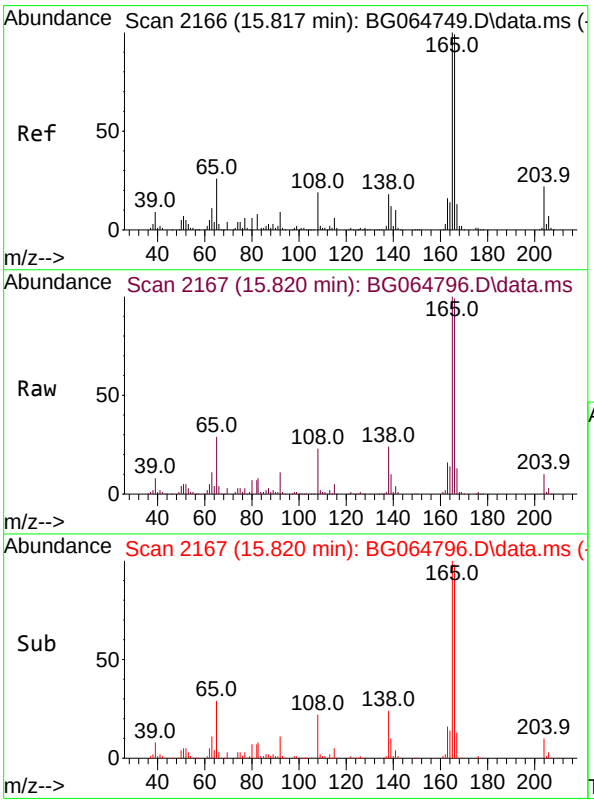
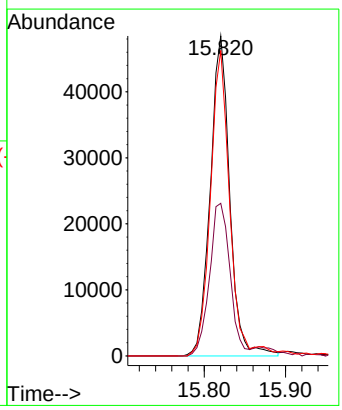
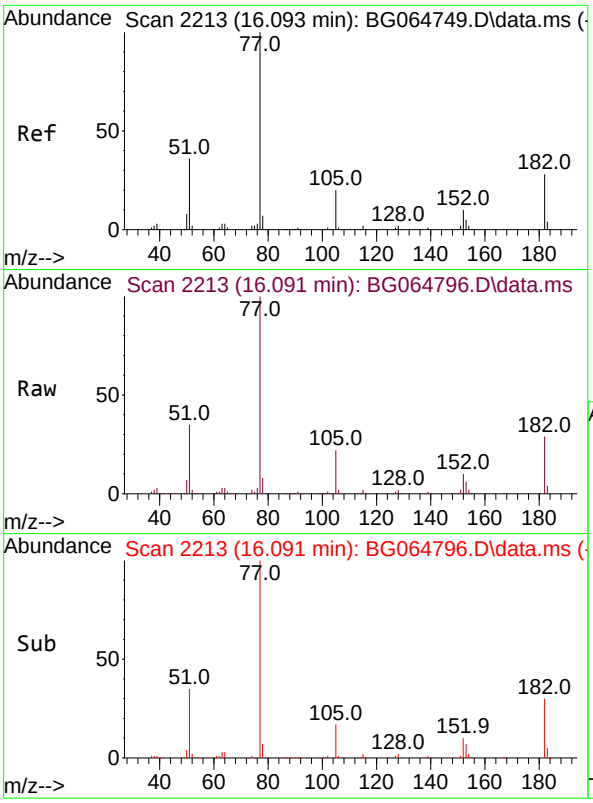


#62
4-Nitroaniline
Concen: 47.531 ng
RT: 15.820 min Scan# 2167
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:138 Resp: 80718

Ion	Ratio	Lower	Upper
138	100		
92	47.7	30.7	70.7
108	95.4	85.7	125.7

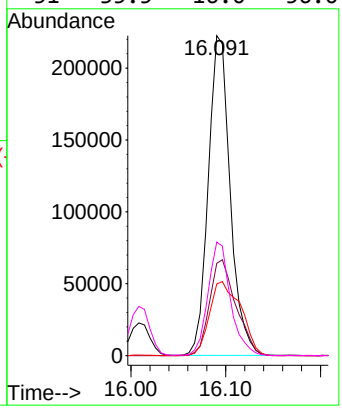




#63
Azobenzene
Concen: 52.070 ng
RT: 16.091 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion: 77 Resp: 35810

Ion	Ratio	Lower	Upper
77	100		
182	28.8	8.1	48.1
105	22.4	0.1	40.1
51	35.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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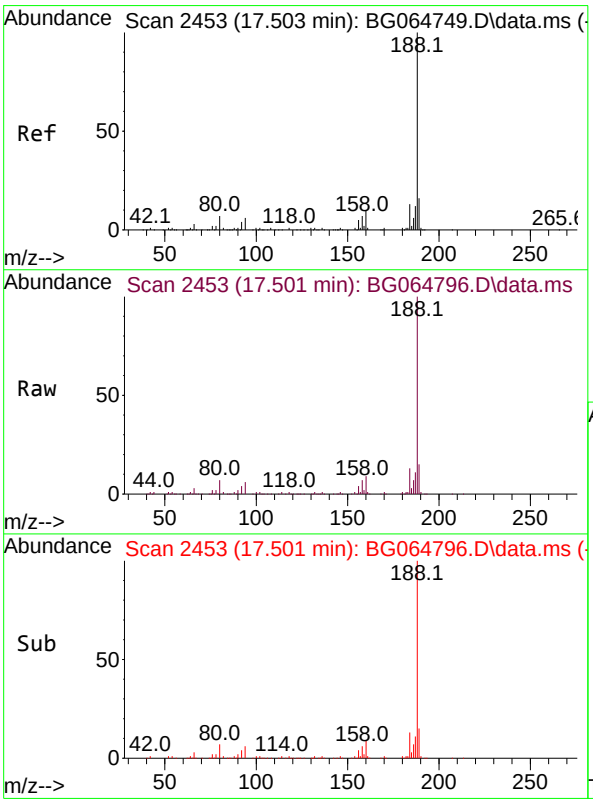
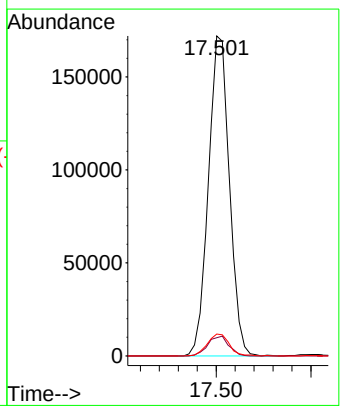
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

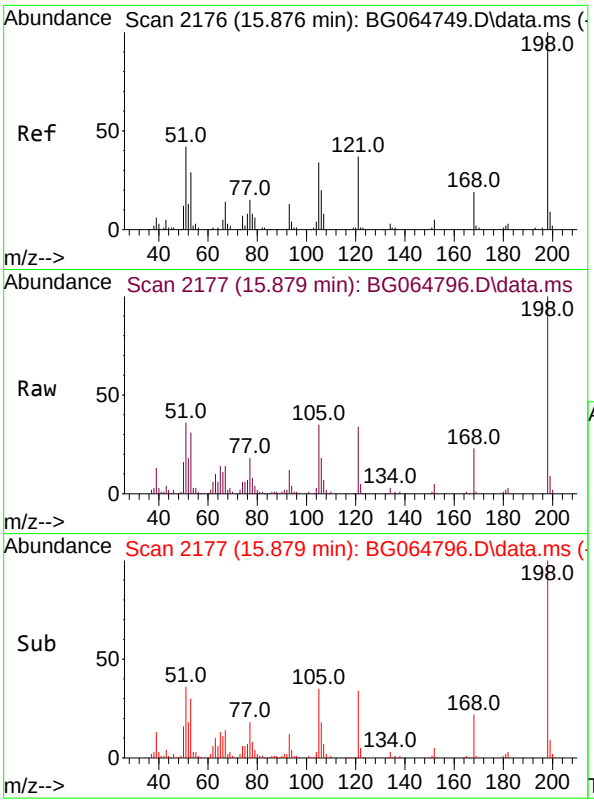


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:188 Resp: 264688

Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	6.8	5.4	8.2





#65
4,6-Dinitro-2-methylphenol
Concen: 56.426 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:198 Resp: 8292

Ion	Ratio	Lower	Upper
198	100		
51	36.1	25.2	65.2
105	34.7	14.2	54.2

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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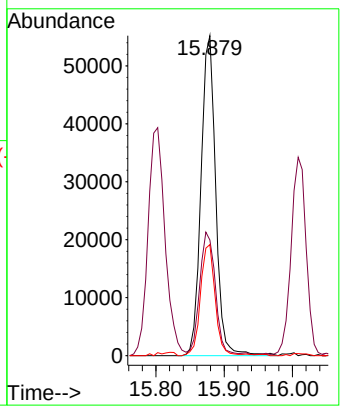
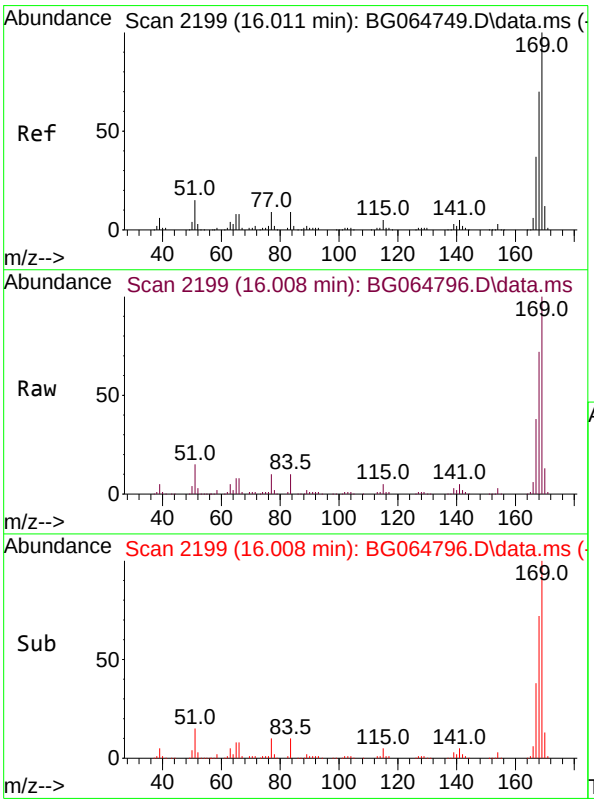
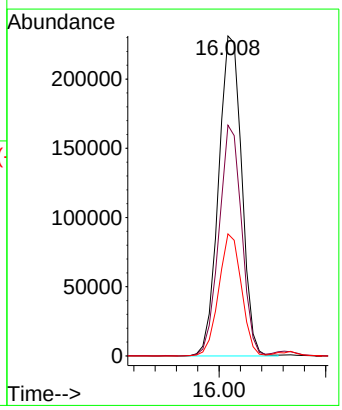


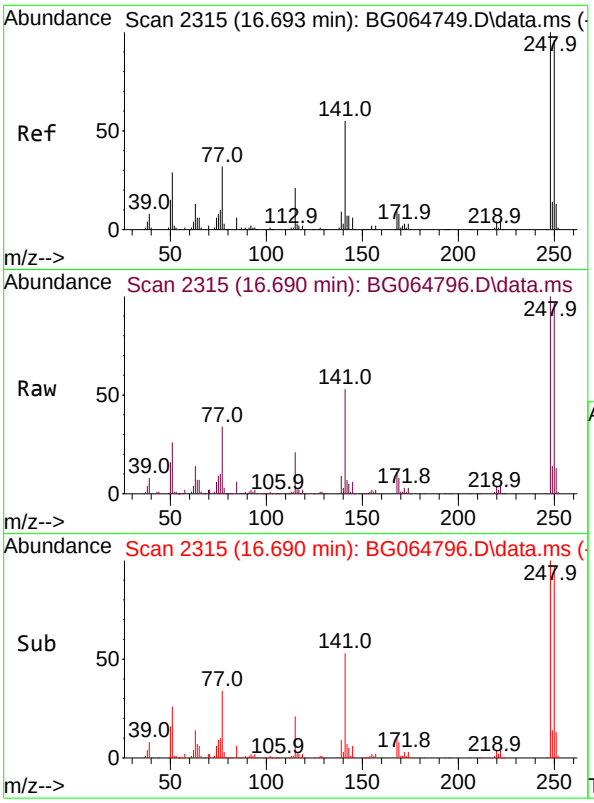


#66
n-Nitrosodiphenylamine
Concen: 50.287 ng
RT: 16.008 min Scan# 2199
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:169 Resp: 348645

Ion	Ratio	Lower	Upper
169	100		
168	72.1	55.9	83.9
167	38.1	29.8	44.6





#67
4-Bromophenyl-phenylether
Concen: 49.498 ng
RT: 16.690 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:248 Resp: 17205

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.0	115.6
141	52.6	43.7	65.5

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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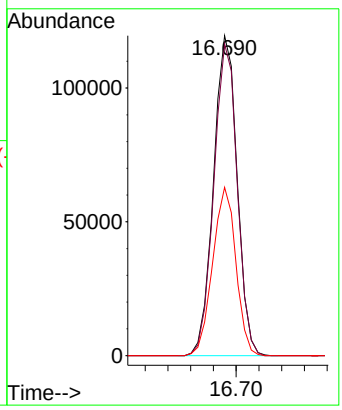
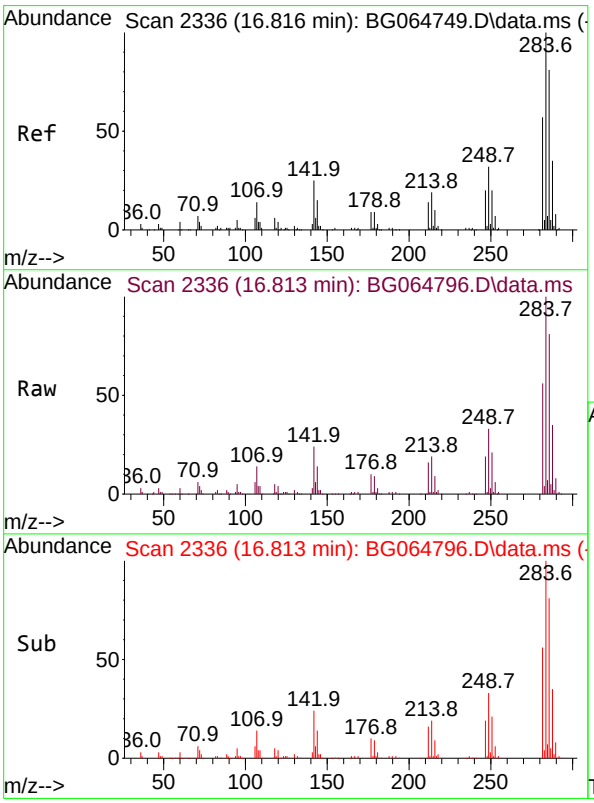
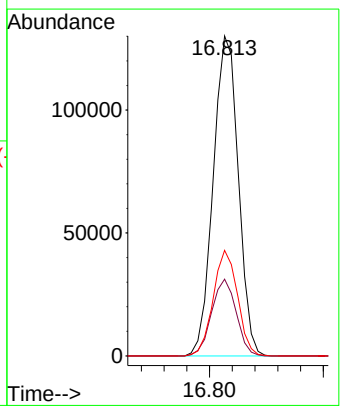


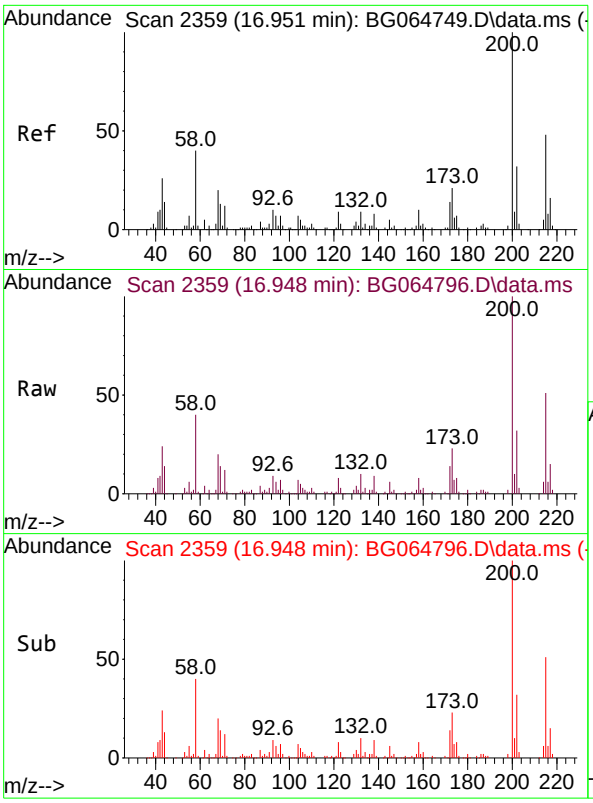


#68
Hexachlorobenzene
Concen: 47.358 ng
RT: 16.813 min Scan# 2336
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:284 Resp: 199440

Ion	Ratio	Lower	Upper
284	100		
142	24.0	19.7	29.5
249	35.6	28.1	42.1





#69
Atrazine
Concen: 48.903 ng
RT: 16.948 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:200 Resp: 16346

Ion	Ratio	Lower	Upper
200	100		
173	23.0	0.9	40.9
215	50.8	27.5	67.5

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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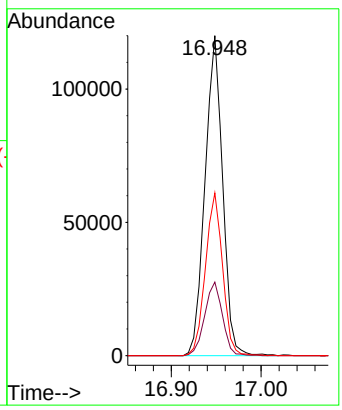
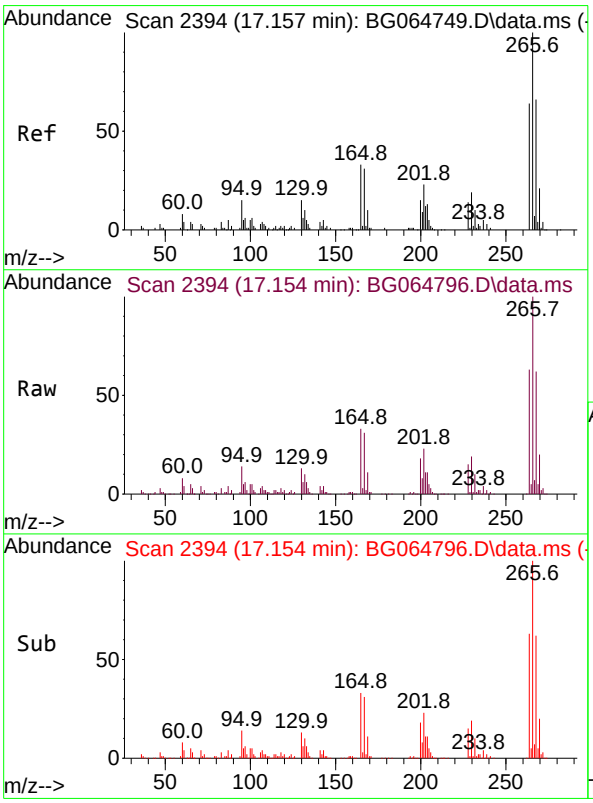
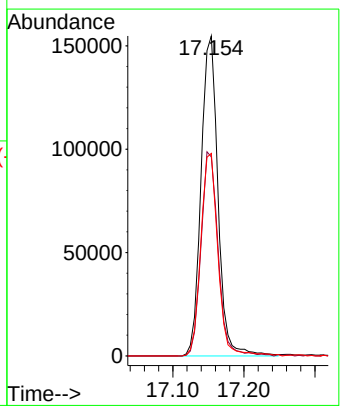


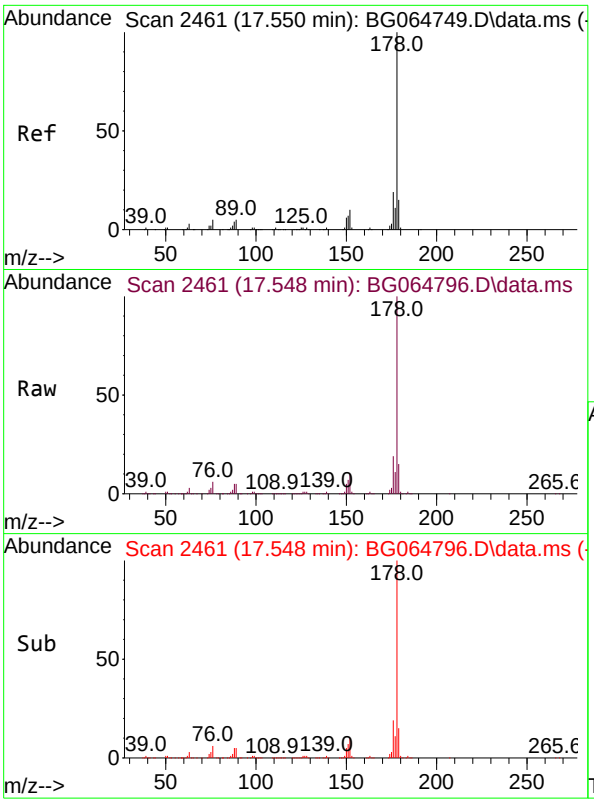


#70
Pentachlorophenol
Concen: 100.554 ng
RT: 17.154 min Scan# 2394
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:266 Resp: 254852

Ion	Ratio	Lower	Upper
266	100		
268	62.2	56.1	84.1
264	63.3	51.2	76.8





#71
Phenanthrene
Concen: 48.197 ng
RT: 17.548 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:178 Resp: 69799

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.2	12.2	18.4

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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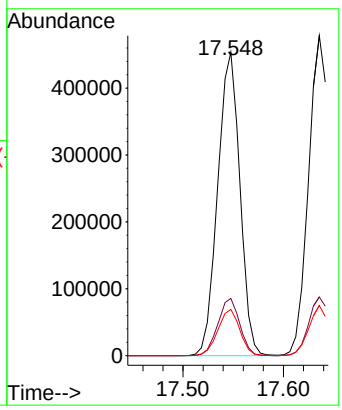
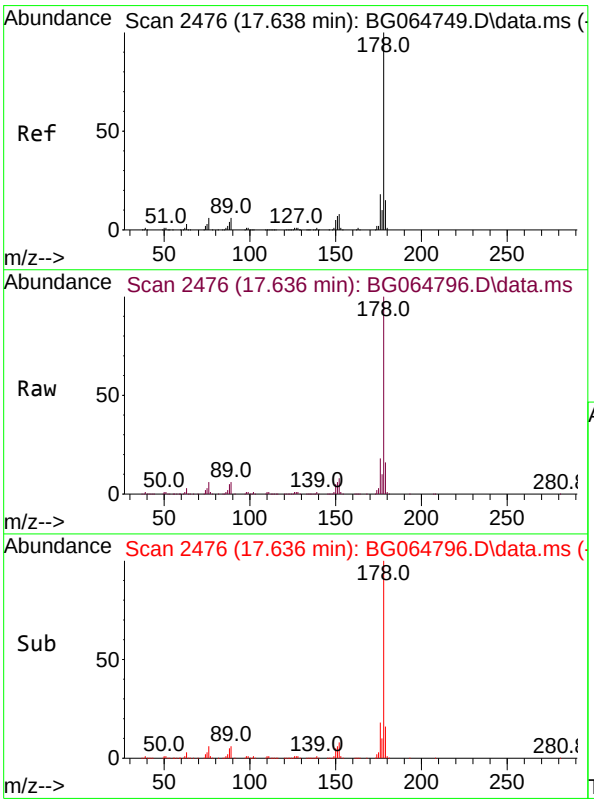
Supervised By :Sohil Jodhani 11/18/2025

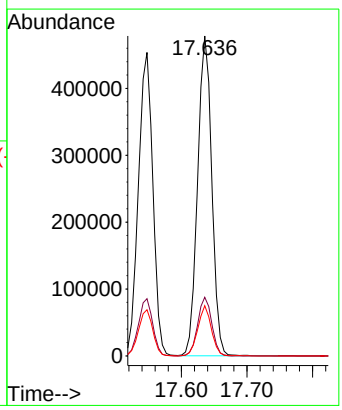


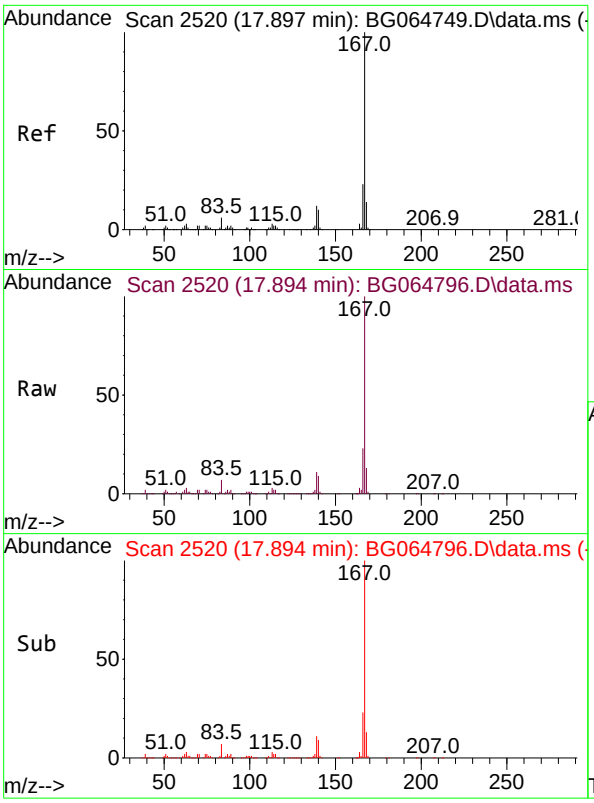


#72
Anthracene
Concen: 48.326 ng
RT: 17.636 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:178 Resp: 713624

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.7	12.2	18.4

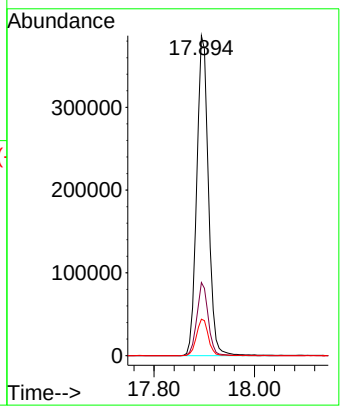




#73
Carbazole
Concen: 49.139 ng
RT: 17.894 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:167 Resp: 623791

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.0	27.0
139	11.4	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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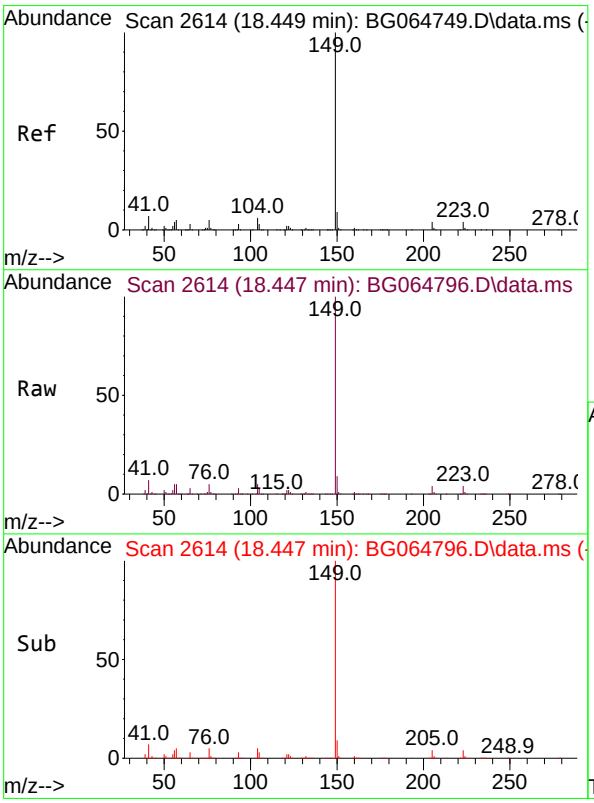
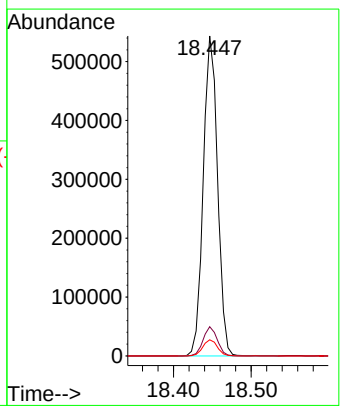
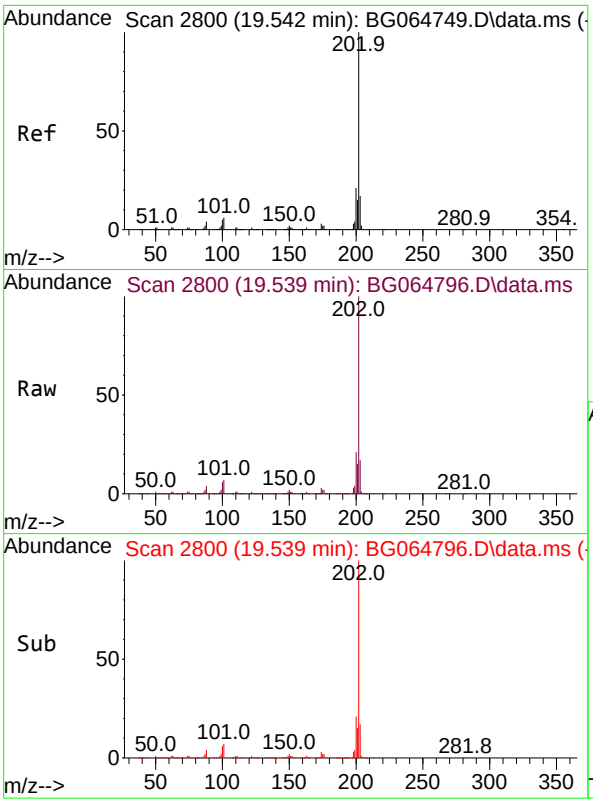


#74
Di-n-butylphthalate
Concen: 49.024 ng
RT: 18.447 min Scan# 2614
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:149 Resp: 694307

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	5.0	4.4	6.6





#75
Fluoranthene
Concen: 46.619 ng
RT: 19.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:202 Resp: 92321

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	26.4
203	17.5	0.0	37.5

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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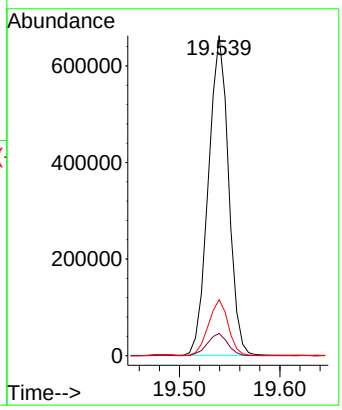
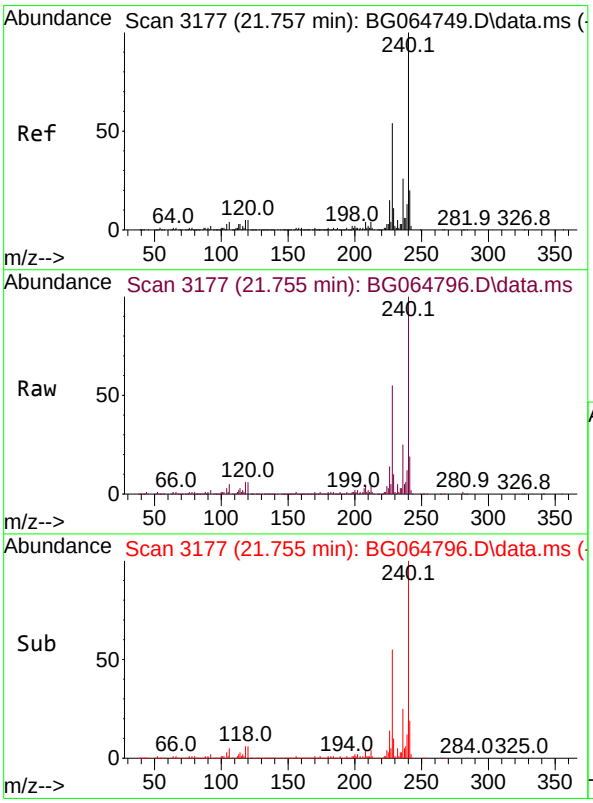
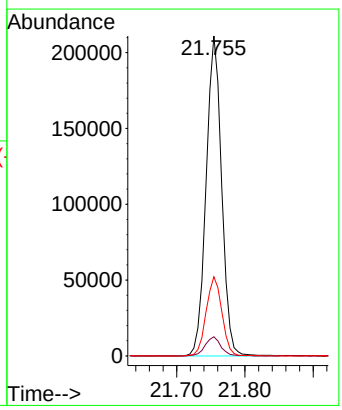


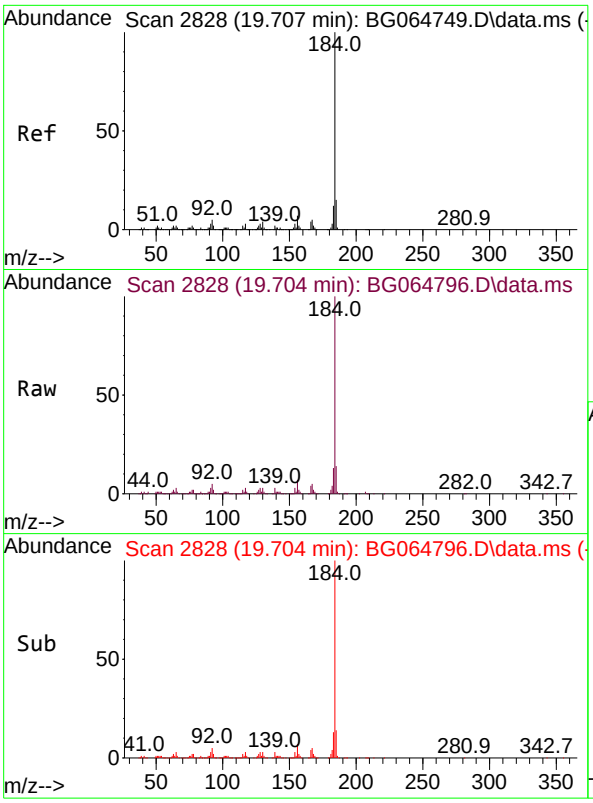


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:240 Resp: 332562

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	24.7	20.8	31.2





#77
Benzidine
Concen: 39.025 ng
RT: 19.704 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:184 Resp: 38867

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.6
183	12.6	9.8	14.6

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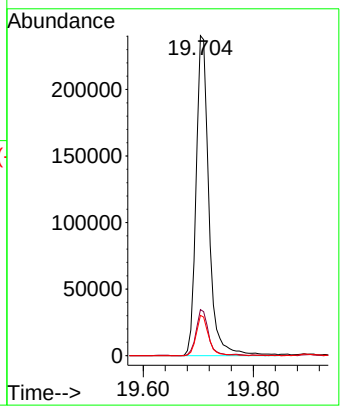
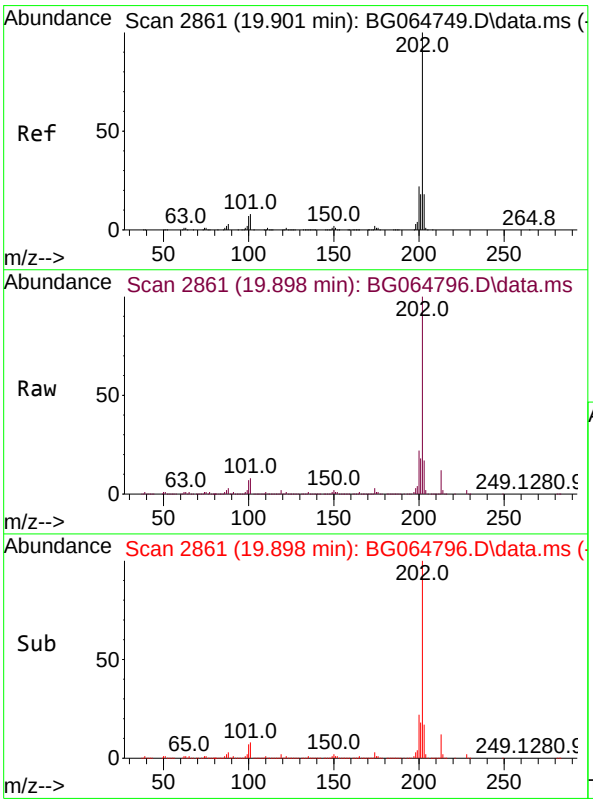
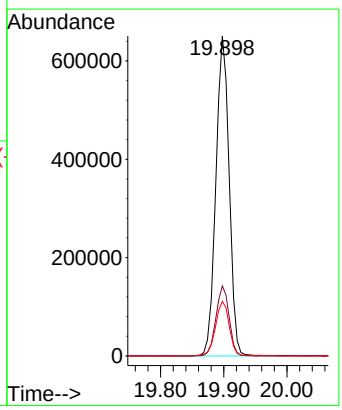


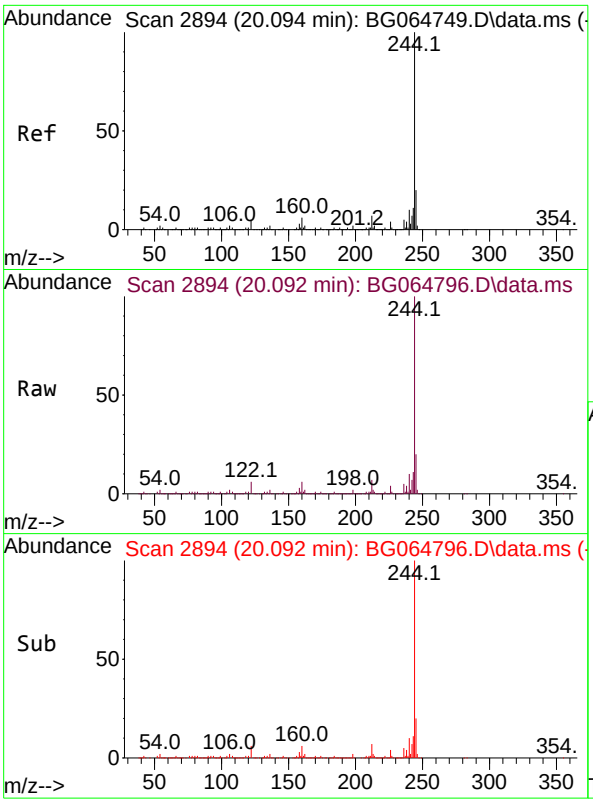


#78
Pyrene
Concen: 50.920 ng
RT: 19.898 min Scan# 2861
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:202 Resp: 949087

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.9	26.9
203	17.0	14.0	21.0

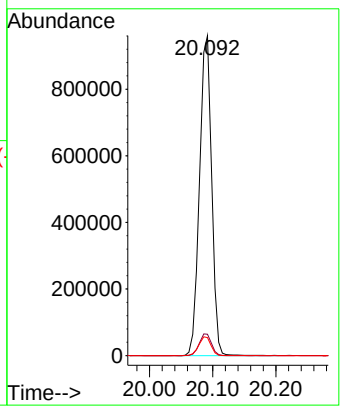




#79
Terphenyl-d14
Concen: 75.625 ng
RT: 20.092 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:244 Resp: 127853

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	5.6	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

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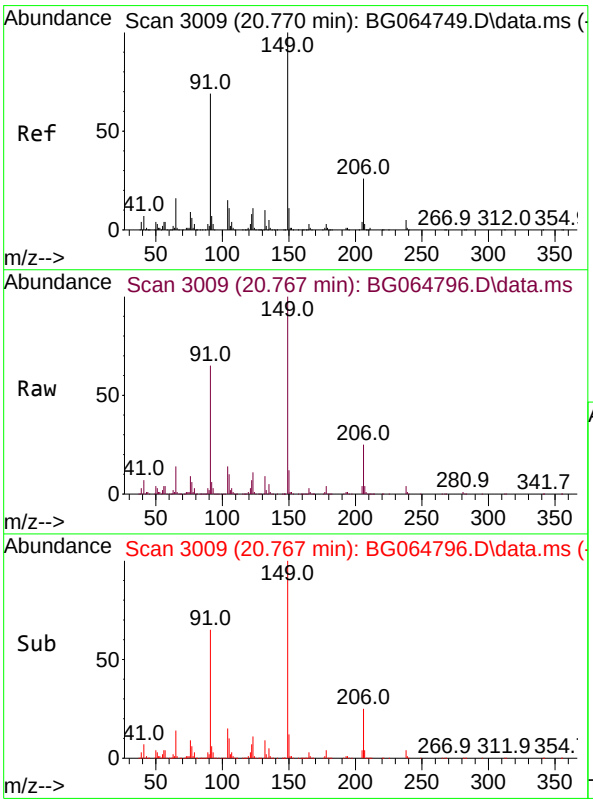
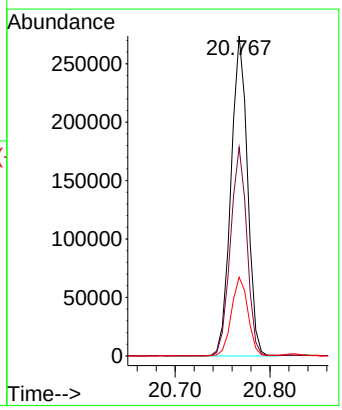
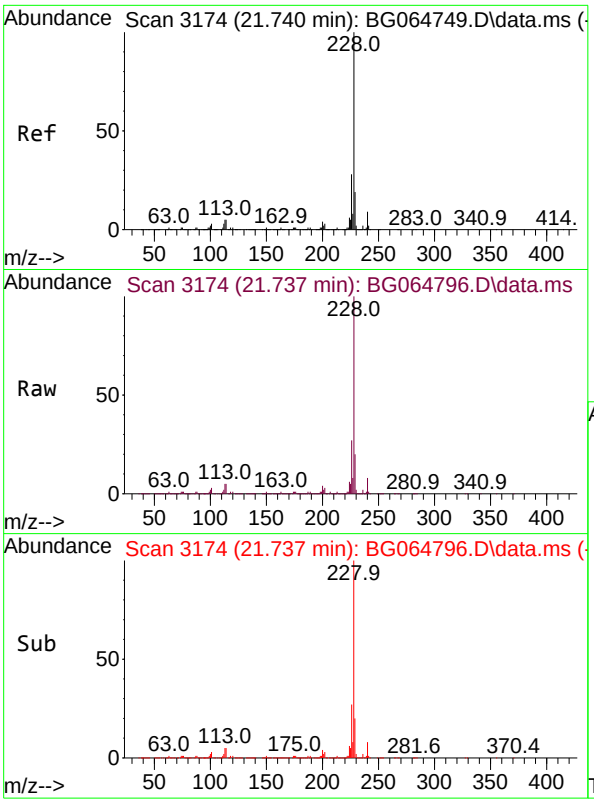


#80
Butylbenzylphthalate
Concen: 50.578 ng
RT: 20.767 min Scan# 3009
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:149 Resp: 331588

Ion	Ratio	Lower	Upper
149	100		
91	65.2	54.9	82.3
206	24.6	21.2	31.8

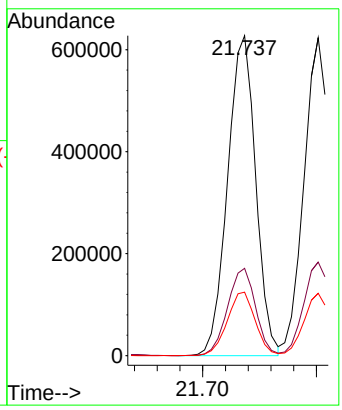




#81
Benzo(a)anthracene
Concen: 47.662 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:228 Resp: 107779

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.8	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
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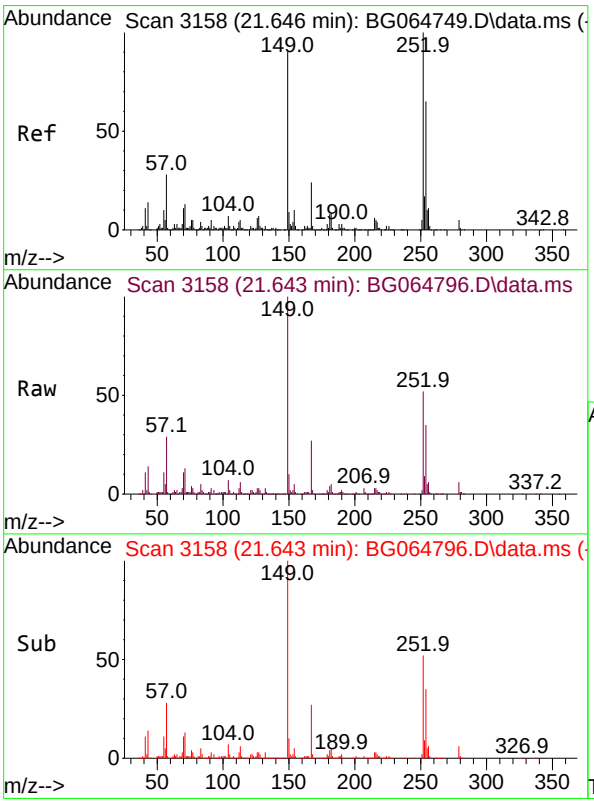
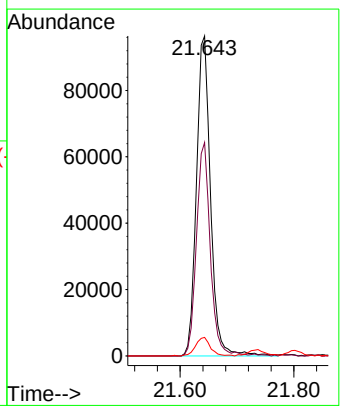
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

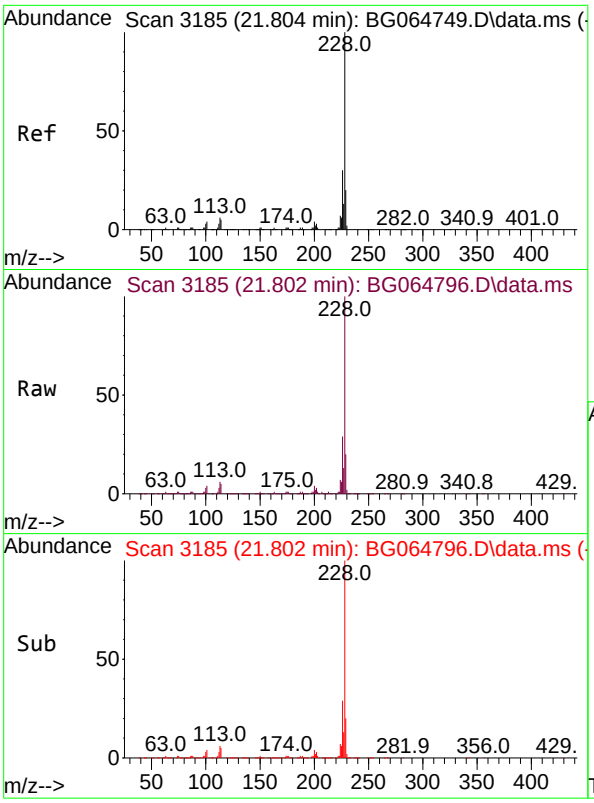


#82
3,3'-Dichlorobenzidine
Concen: 19.835 ng
RT: 21.643 min Scan# 3158
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:252 Resp: 165088

Ion	Ratio	Lower	Upper
252	100		
254	66.7	51.8	77.8
126	5.8	4.7	7.1





#83
Chrysene
Concen: 47.591 ng
RT: 21.802 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Tgt Ion:228 Resp: 101459

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.2
229	19.6	16.0	24.0

Manual Integrations
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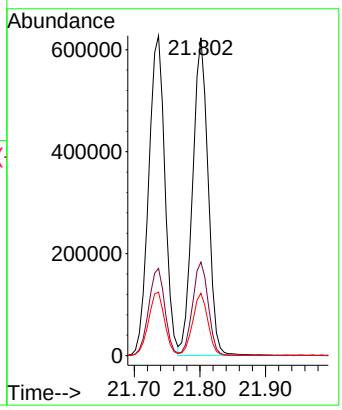
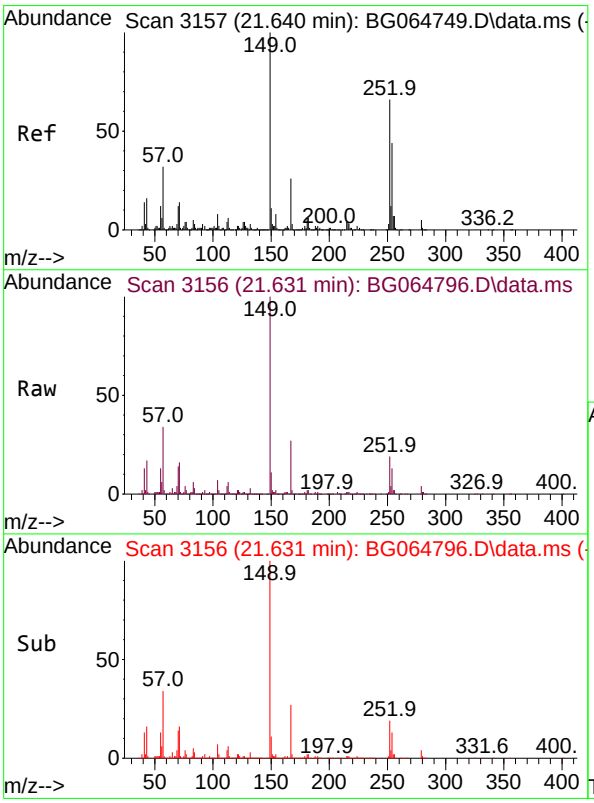
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

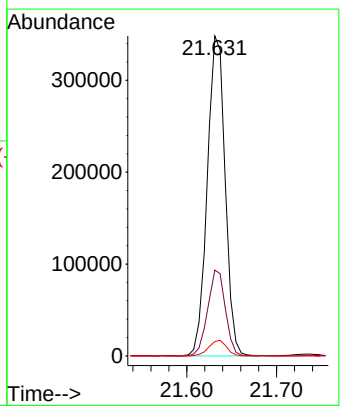


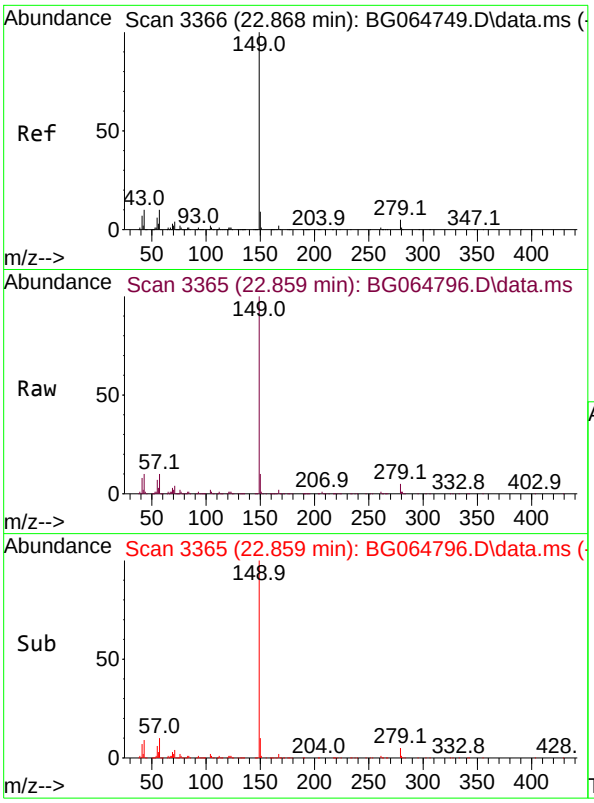


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.187 ng
RT: 21.631 min Scan# 3156
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:149 Resp: 480785

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.4
279	4.5	4.1	6.1





#85
Di-n-octyl phthalate
Concen: 48.109 ng
RT: 22.859 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:149 Resp: 79666

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.9	8.3	12.5

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
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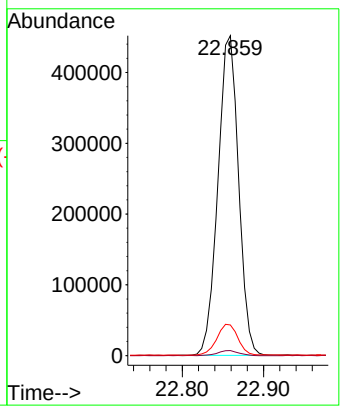
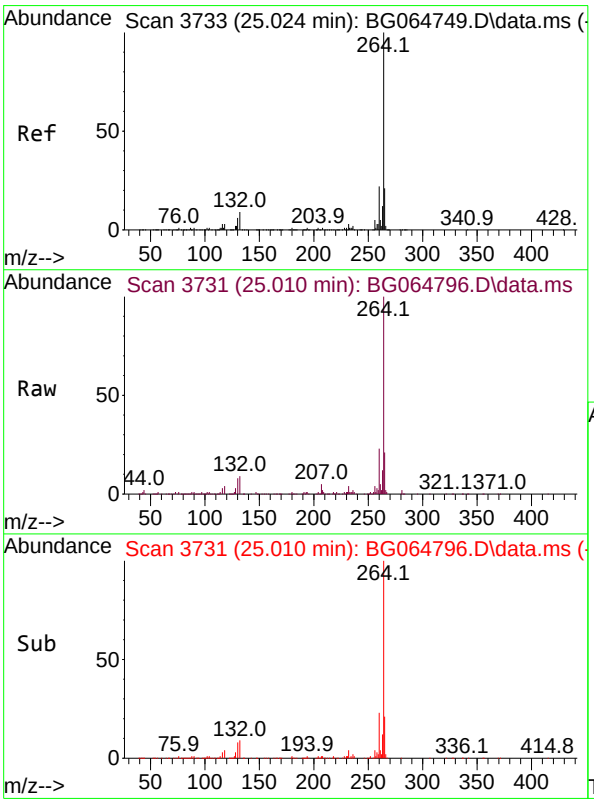
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

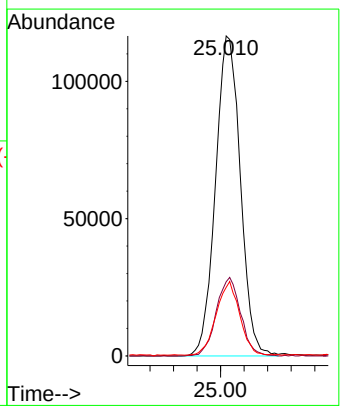


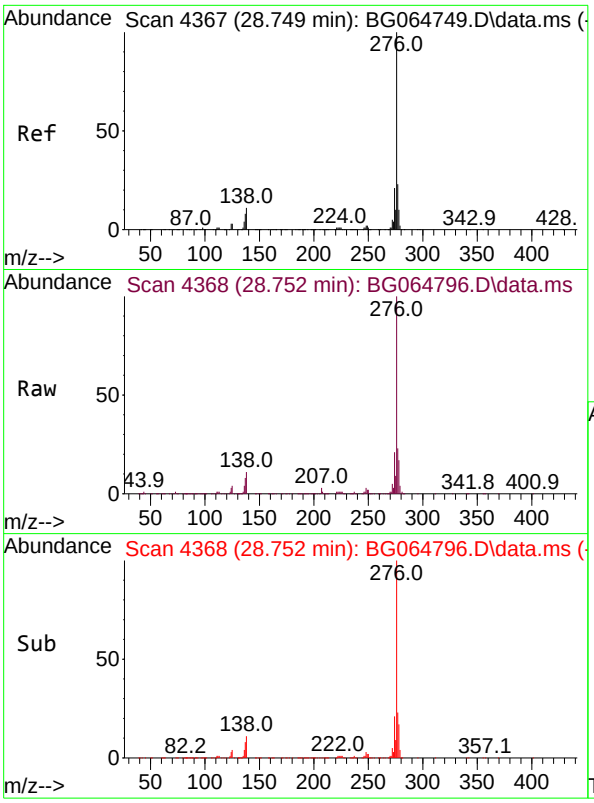


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.010 min Scan# 3731
Delta R.T. -0.014 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:264 Resp: 341639

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.2	25.8
265	21.4	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 52.011 ng
RT: 28.752 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:276 Resp: 122078

Ion	Ratio	Lower	Upper
276	100		
138	13.6	4.5	6.7
277	24.9	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
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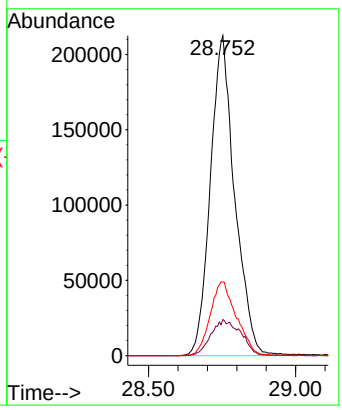
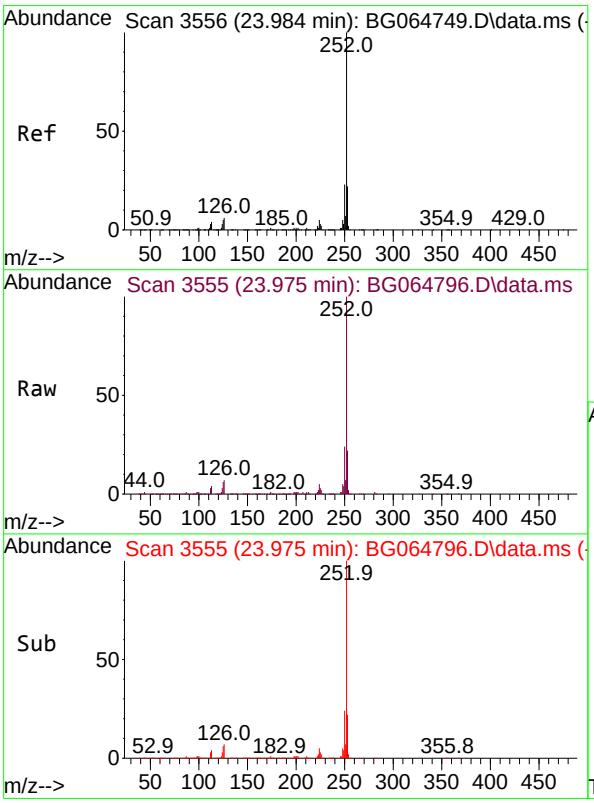
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

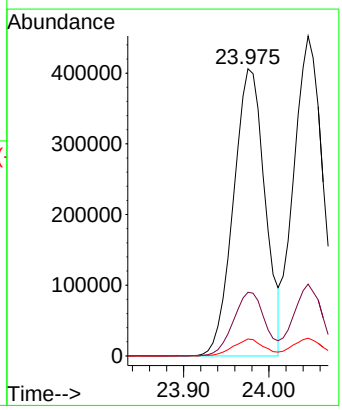


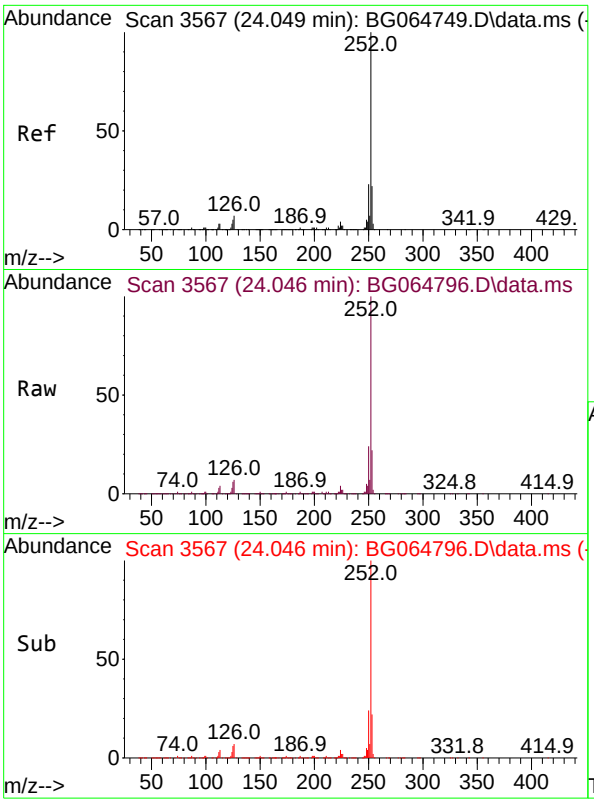


#88
Benzo(b)fluoranthene
Concen: 48.116 ng
RT: 23.975 min Scan# 3555
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:252 Resp: 1046098

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	5.9	4.2	6.2

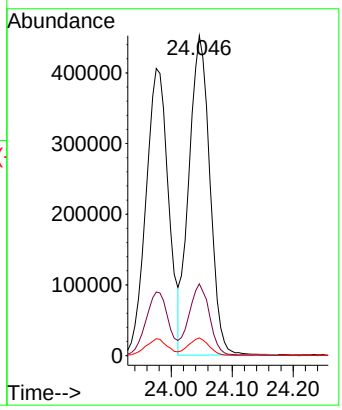




#89
Benzo(k)fluoranthene
Concen: 49.350 ng
RT: 24.046 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:252 Resp: 107793

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	5.5	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
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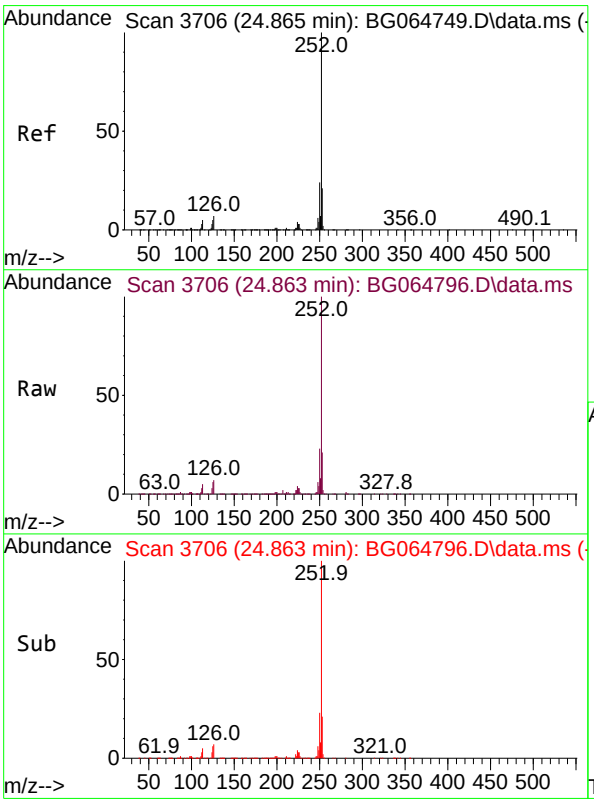
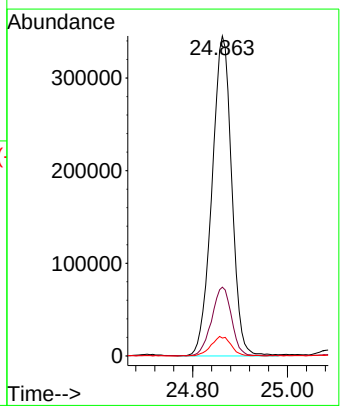
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

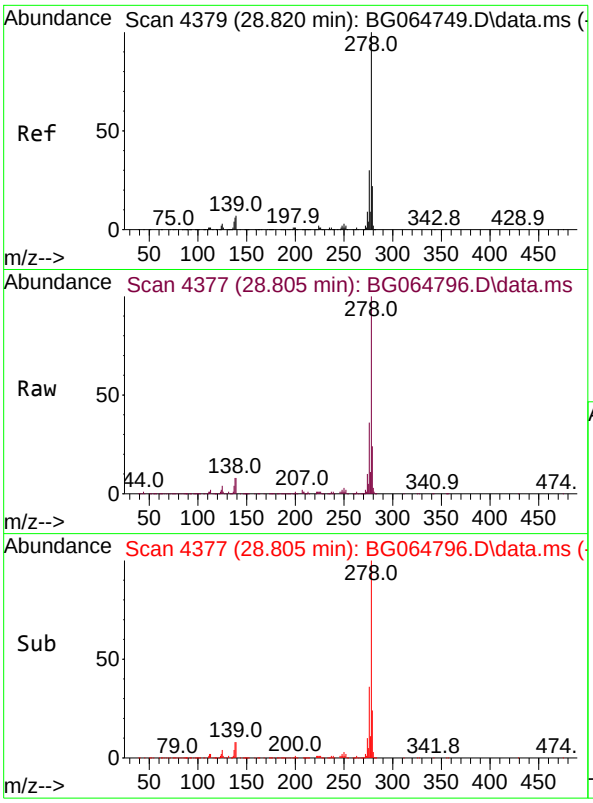


#90
Benzo(a)pyrene
Concen: 49.585 ng
RT: 24.863 min Scan# 3706
Delta R.T. -0.003 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:252 Resp: 1000023

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.9	25.3
125	5.6	4.2	6.4

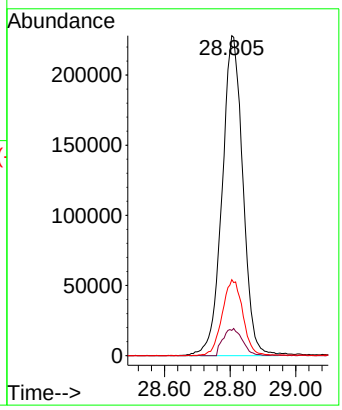




#91
Dibenzo(a,h)anthracene
Concen: 52.139 ng
RT: 28.805 min Scan# 4
Delta R.T. -0.014 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:278 Resp: 100256

Ion	Ratio	Lower	Upper
278	100		
139	7.9	5.8	8.8
279	23.7	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MS

Manual Integrations
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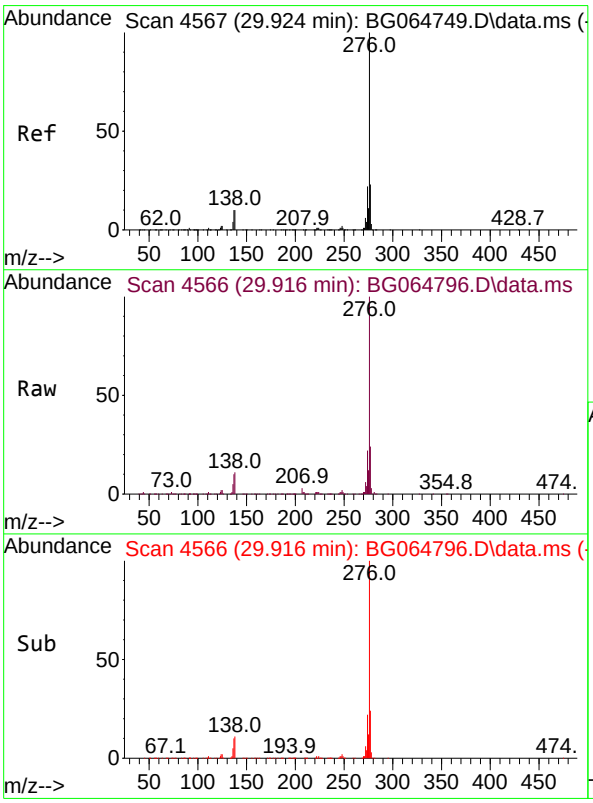
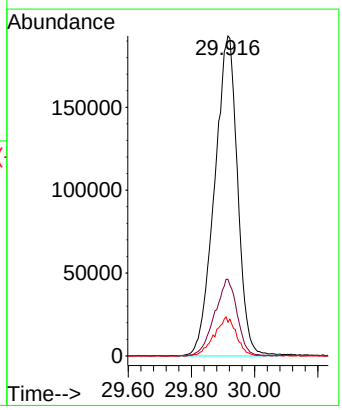
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 52.643 ng
RT: 29.916 min Scan# 4566
Delta R.T. -0.009 min
Lab File: BG064796.D
Acq: 17 Nov 2025 22:50

Tgt Ion:276 Resp: 974197

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.0	27.0
138	10.5	8.2	12.2



Raw Data: **BG064797.D**

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

Report of Analysis

Client:	HDR, Inc.	Date Collected:	11/14/25
Project:	PVWC Linear Construction	Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD	SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	86
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	180	380	ug/Kg	11/17/25 23:31	PB170576
108-95-2	Phenol	1900		1	25.7	200	ug/Kg	11/17/25 23:31	PB170576
111-44-4	bis(2-Chloroethyl)ether	1700		1	28.2	200	ug/Kg	11/17/25 23:31	PB170576
95-57-8	2-Chlorophenol	1800		1	28.4	200	ug/Kg	11/17/25 23:31	PB170576
95-48-7	2-Methylphenol	1800		1	34.7	200	ug/Kg	11/17/25 23:31	PB170576
108-60-1	2,2-oxybis(1-Chloropropane)	1600		1	43.6	200	ug/Kg	11/17/25 23:31	PB170576
98-86-2	Acetophenone	1700		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
65794-96-9	3+4-Methylphenols	1800		1	47.8	380	ug/Kg	11/17/25 23:31	PB170576
621-64-7	n-Nitroso-di-n-propylamine	1700		1	55.1	93.0	ug/Kg	11/17/25 23:31	PB170576
67-72-1	Hexachloroethane	1700		1	20.5	200	ug/Kg	11/17/25 23:31	PB170576
98-95-3	Nitrobenzene	1700		1	21.3	200	ug/Kg	11/17/25 23:31	PB170576
78-59-1	Isophorone	1700		1	38.1	200	ug/Kg	11/17/25 23:31	PB170576
88-75-5	2-Nitrophenol	1800		1	67.6	200	ug/Kg	11/17/25 23:31	PB170576
105-67-9	2,4-Dimethylphenol	1800		1	75.3	200	ug/Kg	11/17/25 23:31	PB170576
111-91-1	bis(2-Chloroethoxy)methane	1700		1	35.8	200	ug/Kg	11/17/25 23:31	PB170576
120-83-2	2,4-Dichlorophenol	1900		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
91-20-3	Naphthalene	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
106-47-8	4-Chloroaniline	400		1	41.1	200	ug/Kg	11/17/25 23:31	PB170576
87-68-3	Hexachlorobutadiene	1600		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
105-60-2	Caprolactam	1800		1	60.5	380	ug/Kg	11/17/25 23:31	PB170576
59-50-7	4-Chloro-3-methylphenol	1800		1	33.3	200	ug/Kg	11/17/25 23:31	PB170576
91-57-6	2-Methylnaphthalene	1500		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
77-47-4	Hexachlorocyclopentadiene	3100	E	1	130	380	ug/Kg	11/17/25 23:31	PB170576
88-06-2	2,4,6-Trichlorophenol	1800		1	23.0	200	ug/Kg	11/17/25 23:31	PB170576
95-95-4	2,4,5-Trichlorophenol	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
92-52-4	1,1-Biphenyl	1700		1	25.3	200	ug/Kg	11/17/25 23:31	PB170576
91-58-7	2-Chloronaphthalene	1700		1	26.1	200	ug/Kg	11/17/25 23:31	PB170576
88-74-4	2-Nitroaniline	1700		1	55.9	200	ug/Kg	11/17/25 23:31	PB170576
131-11-3	Dimethylphthalate	1700		1	31.5	200	ug/Kg	11/17/25 23:31	PB170576
208-96-8	Acenaphthylene	1700		1	33.6	200	ug/Kg	11/17/25 23:31	PB170576
606-20-2	2,6-Dinitrotoluene	1900		1	39.0	200	ug/Kg	11/17/25 23:31	PB170576
99-09-2	3-Nitroaniline	770		1	53.5	200	ug/Kg	11/17/25 23:31	PB170576
83-32-9	Acenaphthene	1900		1	24.8	200	ug/Kg	11/17/25 23:31	PB170576
51-28-5	2,4-Dinitrophenol	3600	E	1	270	380	ug/Kg	11/17/25 23:31	PB170576
100-02-7	4-Nitrophenol	3800	E	1	120	380	ug/Kg	11/17/25 23:31	PB170576
132-64-9	Dibenzofuran	1700		1	26.4	200	ug/Kg	11/17/25 23:31	PB170576
121-14-2	2,4-Dinitrotoluene	1800		1	58.2	200	ug/Kg	11/17/25 23:31	PB170576
84-66-2	Diethylphthalate	1700		1	32.9	200	ug/Kg	11/17/25 23:31	PB170576
7005-72-3	4-Chlorophenyl-phenylether	1600		1	31.0	200	ug/Kg	11/17/25 23:31	PB170576
86-73-7	Fluorene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
100-01-6	4-Nitroaniline	1700		1	74.6	200	ug/Kg	11/17/25 23:31	PB170576
534-52-1	4,6-Dinitro-2-methylphenol	2000		1	120	380	ug/Kg	11/17/25 23:31	PB170576

Raw Data: **BG064797.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1800		1	38.2	200	ug/Kg	11/17/25 23:31	PB170576
101-55-3	4-Bromophenyl-phenylether	1700		1	32.3	200	ug/Kg	11/17/25 23:31	PB170576
118-74-1	Hexachlorobenzene	1700		1	29.4	200	ug/Kg	11/17/25 23:31	PB170576
1912-24-9	Atrazine	1700		1	39.5	200	ug/Kg	11/17/25 23:31	PB170576
87-86-5	Pentachlorophenol	3600	E	1	59.6	380	ug/Kg	11/17/25 23:31	PB170576
85-01-8	Phenanthrene	1700		1	24.3	200	ug/Kg	11/17/25 23:31	PB170576
120-12-7	Anthracene	1700		1	38.7	200	ug/Kg	11/17/25 23:31	PB170576
86-74-8	Carbazole	1700		1	36.3	200	ug/Kg	11/17/25 23:31	PB170576
84-74-2	Di-n-butylphthalate	1700		1	55.7	200	ug/Kg	11/17/25 23:31	PB170576
206-44-0	Fluoranthene	1600		1	34.9	200	ug/Kg	11/17/25 23:31	PB170576
129-00-0	Pyrene	1900		1	41.8	200	ug/Kg	11/17/25 23:31	PB170576
85-68-7	Butylbenzylphthalate	1800		1	83.0	200	ug/Kg	11/17/25 23:31	PB170576
91-94-1	3,3-Dichlorobenzidine	720		1	42.6	380	ug/Kg	11/17/25 23:31	PB170576
56-55-3	Benzo(a)anthracene	1700		1	26.7	200	ug/Kg	11/17/25 23:31	PB170576
218-01-9	Chrysene	1700		1	23.1	200	ug/Kg	11/17/25 23:31	PB170576
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	68.8	200	ug/Kg	11/17/25 23:31	PB170576
117-84-0	Di-n-octyl phthalate	1700		1	100	380	ug/Kg	11/17/25 23:31	PB170576
205-99-2	Benzo(b)fluoranthene	1700		1	22.1	200	ug/Kg	11/17/25 23:31	PB170576
207-08-9	Benzo(k)fluoranthene	1700		1	26.0	200	ug/Kg	11/17/25 23:31	PB170576
50-32-8	Benzo(a)pyrene	1800		1	34.3	200	ug/Kg	11/17/25 23:31	PB170576
193-39-5	Indeno(1,2,3-cd)pyrene	1800		1	33.8	200	ug/Kg	11/17/25 23:31	PB170576
53-70-3	Dibenzo(a,h)anthracene	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
191-24-2	Benzo(g,h,i)perylene	1800		1	29.9	200	ug/Kg	11/17/25 23:31	PB170576
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	29.7	200	ug/Kg	11/17/25 23:31	PB170576
123-91-1	1,4-Dioxane	1400		1	52.5	200	ug/Kg	11/17/25 23:31	PB170576
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	31.8	200	ug/Kg	11/17/25 23:31	PB170576
SURROGATES									
367-12-4	2-Fluorophenol	107			30 (10) - 130 (105)	71%	SPK: 150		
13127-88-3	Phenol-d6	111			30 (10) - 130 (103)	74%	SPK: 150		
4165-60-0	Nitrobenzene-d5	68.7			30 (10) - 130 (108)	69%	SPK: 100		
321-60-8	2-Fluorobiphenyl	64.2			30 (10) - 130 (108)	64%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	104			30 (10) - 130 (116)	69%	SPK: 150		
1718-51-0	Terphenyl-d14	72.2			30 (10) - 130 (109)	72%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39700							
1146-65-2	Naphthalene-d8	158000							
15067-26-2	Acenaphthene-d10	131000							
1517-22-2	Phenanthrene-d10	317000							
1719-03-5	Chrysene-d12	372000							
1520-96-3	Perylene-d12	377000							

Raw Data: **BG064797.D**

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

Report of Analysis

Client:	HDR, Inc.			Date Collected:	11/14/25
Project:	PVWC Linear Construction			Date Received:	11/14/25
Client Sample ID:	B3-0.0-0.5-20251114MSD			SDG No.:	Q3649
Lab Sample ID:	Q3649-08MSD			Matrix:	SOIL
Analytical Method:	8270E	Level:	LOW	% Solid:	86
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BG064797.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay
11/18/2025
Supervised By :Sohil Jodhani
11/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	39734	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	157606	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	130879	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	316710	20.000	ng	0.00
76) Chrysene-d12	21.754	240	371983	20.000	ng	0.00
86) Perylene-d12	25.009	264	376972	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	242473	106.561	ng	0.00
7) Phenol-d6	7.312	99	335412	110.828	ng	0.00
23) Nitrobenzene-d5	9.327	82	219027	68.711	ng	0.00
42) 2,4,6-Tribromophenol	16.248	330	264438	103.598	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	601736	64.153	ng	0.00
79) Terphenyl-d14	20.091	244	1364576	72.160	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.528	88	32904	37.353	ng	93
3) Pyridine	3.933	79	93203	35.510	ng	97
4) n-Nitrosodimethylamine	3.845	42	55812	41.779	ng	82
6) Aniline	7.476	93	92542	22.941	ng	99
8) 2-Chlorophenol	7.723	128	116122	46.477	ng	99
9) Benzaldehyde	7.288	77	61058	30.820	ng	97
10) Phenol	7.335	94	161413	49.019	ng	98
11) bis(2-Chloroethyl)ether	7.570	93	104673	44.671	ng	96
12) 1,3-Dichlorobenzene	8.052	146	127073	44.200	ng	100
13) 1,4-Dichlorobenzene	8.199	146	133138	45.479	ng	97
14) 1,2-Dichlorobenzene	8.522	146	128179	45.157	ng	97
15) Benzyl Alcohol	8.393	79	117628	47.351	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.687	45	225270	40.617	ng	97
17) 2-Methylphenol	8.598	107	109252	46.891	ng	96
18) Hexachloroethane	9.262	117	47878	43.181	ng	99
19) n-Nitroso-di-n-propyla...	8.969	70	91499	44.714	ng	91
20) 3+4-Methylphenols	8.927	107	147994	46.366	ng	93
22) Acetophenone	8.986	105	190455	44.355	ng	99
24) Nitrobenzene	9.368	77	141359	43.889	ng	96
25) Isophorone	9.897	82	260037	42.838	ng	99
26) 2-Nitrophenol	10.085	139	68781	47.477	ng	96
27) 2,4-Dimethylphenol	10.138	122	116963	45.445	ng	98
28) bis(2-Chloroethoxy)met...	10.373	93	149556	44.877	ng	99
29) 2,4-Dichlorophenol	10.620	162	134228	48.577	ng	97
30) 1,2,4-Trichlorobenzene	10.843	180	153051	45.870	ng	99
31) Naphthalene	11.031	128	384335	43.018	ng	100
32) Benzoic acid	10.273	122	79110	44.097	ng	99
33) 4-Chloroaniline	11.125	127	37251	10.423	ng	96
34) Hexachlorobutadiene	11.319	225	119748	41.828	ng	97
35) Caprolactam	11.895	113	39250m	47.491	ng	
36) 4-Chloro-3-methylphenol	12.235	107	141639	46.053	ng	97
37) 2-Methylnaphthalene	12.623	142	263299	39.382	ng	97
38) 1-Methylnaphthalene	12.840	142	275084	41.420	ng	97
40) 1,2,4,5-Tetrachloroben...	12.987	216	217214	42.646	ng	98
41) Hexachlorocyclopentadiene	12.970	237	292272	80.056	ng	96
43) 2,4,6-Trichlorophenol	13.217	196	138889	46.460	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.287	196	155253	46.305	ng		99
46) 1,1'-Biphenyl	13.616	154	412233	43.854	ng		98
47) 2-Chloronaphthalene	13.657	162	317228	42.836	ng		100
48) 2-Nitroaniline	13.851	65	107396	45.087	ng		99
49) Acenaphthylene	14.497	152	555917	43.939	ng		99
50) Dimethylphthalate	14.221	163	445893	43.129	ng		98
51) 2,6-Dinitrotoluene	14.333	165	95233	47.870	ng		95
52) Acenaphthene	14.838	154	380997	50.224	ng		99
53) 3-Nitroaniline	14.662	138	39171	19.950	ng		88
54) 2,4-Dinitrophenol	14.868	184	127379	92.027	ng		98
55) Dibenzofuran	15.167	168	535479	42.697	ng		97
56) 4-Nitrophenol	14.962	139	151190	97.051	ng		94
57) 2,4-Dinitrotoluene	15.120	165	136738	45.847	ng		97
58) Fluorene	15.813	166	419937	42.693	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.390	232	163314	49.368	ng		96
60) Diethylphthalate	15.573	149	428865	43.303	ng		100
61) 4-Chlorophenyl-phenyle...	15.802	204	250106	42.369	ng		99
62) 4-Nitroaniline	15.819	138	87679	43.104	ng		90
63) Azobenzene	16.090	77	401300	48.715	ng		97
65) 4,6-Dinitro-2-methylph...	15.878	198	92402	52.548	ng		96
66) n-Nitrosodiphenylamine	16.013	169	385312	46.447	ng		98
67) 4-Bromophenyl-phenylether	16.689	248	187577	45.100	ng		98
68) Hexachlorobenzene	16.812	284	222617	44.179	ng		95
69) Atrazine	16.947	200	178444	44.615	ng		99
70) Pentachlorophenol	17.153	266	282935	93.741	ng		99
71) Phenanthrene	17.547	178	762183	43.985	ng		99
72) Anthracene	17.635	178	774717	43.846	ng		98
73) Carbazole	17.893	167	668855	44.034	ng		99
74) Di-n-butylphthalate	18.446	149	753338	44.454	ng		99
75) Fluoranthene	19.539	202	986166	41.618	ng		99
77) Benzidine	19.709	184	404443	36.305	ng		98
78) Pyrene	19.897	202	1015709	48.720	ng		99
80) Butylbenzylphthalate	20.766	149	347928	47.447	ng		97
81) Benzo(a)anthracene	21.736	228	1103366	43.623	ng		99
82) 3,3'-Dichlorobenzidine	21.642	252	172582	18.538	ng		96
83) Chrysene	21.801	228	1035528	43.425	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	488553	45.593	ng		99
85) Di-n-octyl phthalate	22.858	149	815867	44.047	ng		98
87) Indeno(1,2,3-cd)pyrene	28.745	276	1231434	47.547	ng	#	98
88) Benzo(b)fluoranthene	23.980	252	1062278	44.280	ng		99
89) Benzo(k)fluoranthene	24.045	252	1078196	44.736	ng		100
90) Benzo(a)pyrene	24.862	252	1007629	45.279	ng		99
91) Dibenzo(a,h)anthracene	28.810	278	1015062	47.842	ng		96
92) Benzo(g,h,i)perylene	29.915	276	974807	47.739	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
Data File : BG064797.D
Acq On : 17 Nov 2025 23:31
Operator : RC/JU
Sample : Q3649-08MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 18 00:25:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

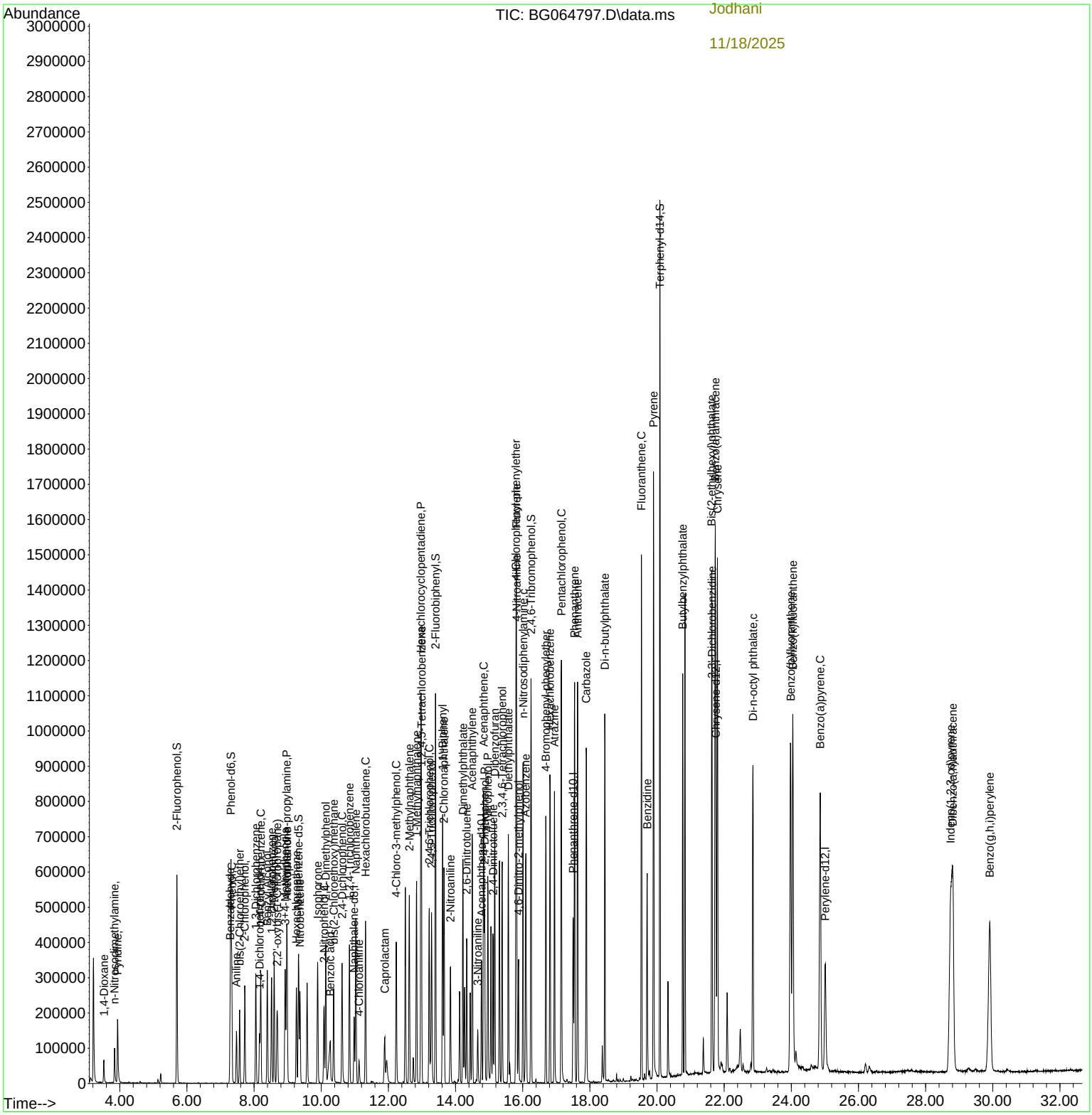
Manual Integrations APPROVED

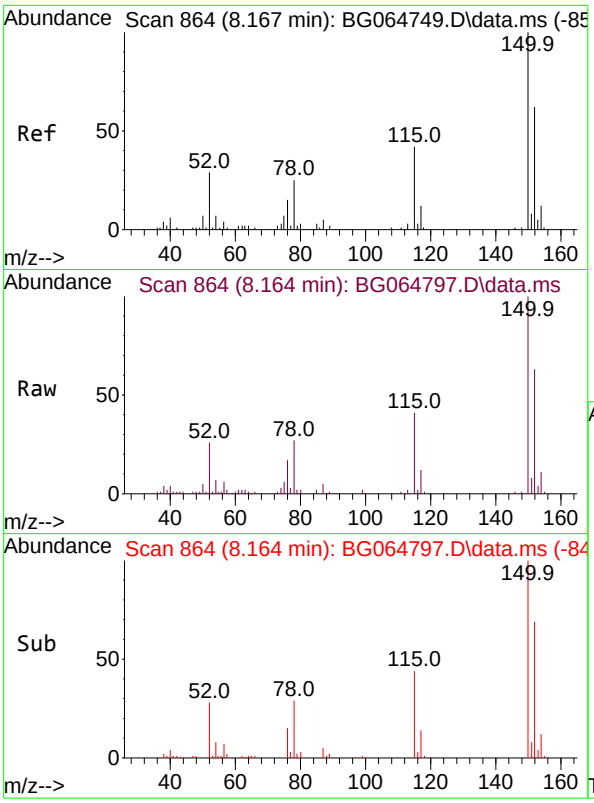
Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

11/18/2025

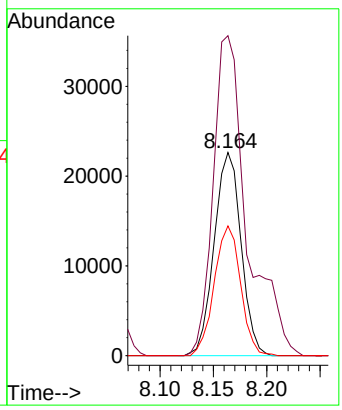




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:152 Resp: 3973

Ion	Ratio	Lower	Upper
152	100		
150	157.5	129.2	193.8
115	63.8	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

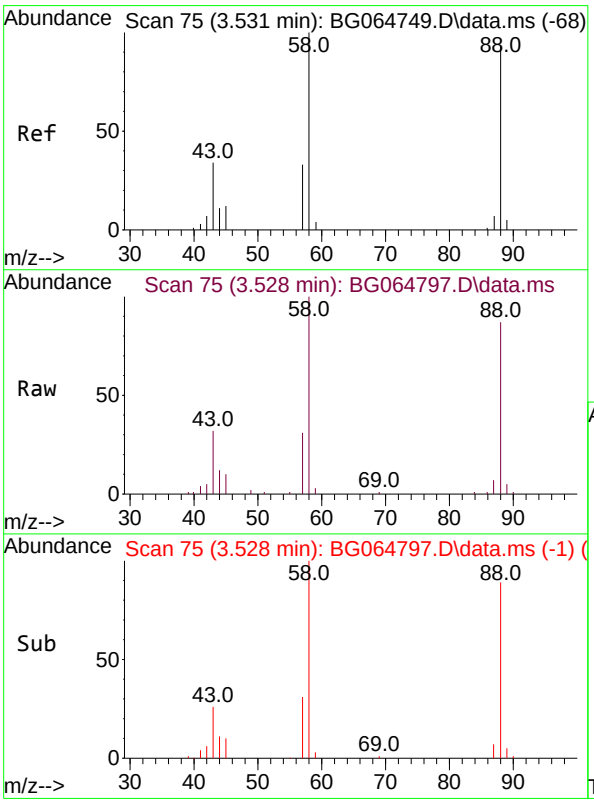
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

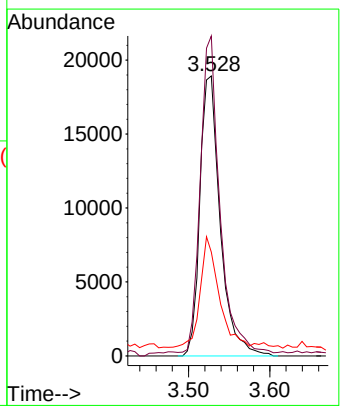
11/18/2025

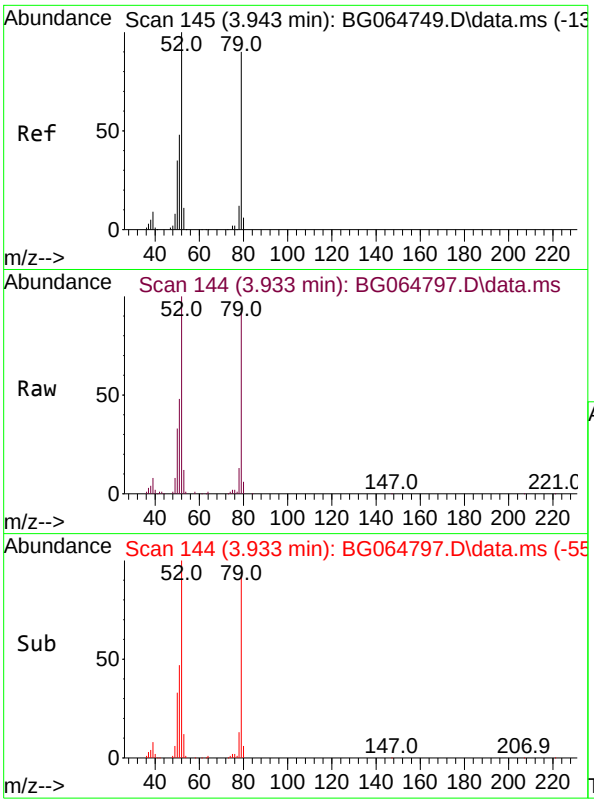


#2
1,4-Dioxane
Concen: 37.353 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 88 Resp: 32904

Ion	Ratio	Lower	Upper
88	100		
58	114.8	84.6	126.8
43	36.4	30.0	45.0

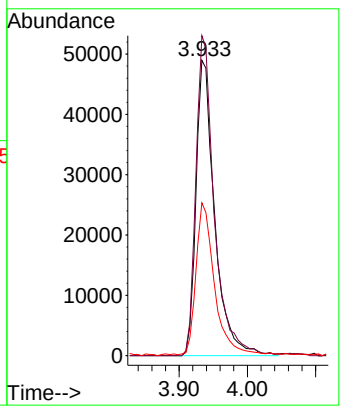




#3
Pyridine
Concen: 35.510 ng
RT: 3.933 min Scan# 14
Delta R.T. -0.010 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 79 Resp: 9320

Ion	Ratio	Lower	Upper
79	100		
52	108.3	89.0	133.4
51	51.7	43.4	65.0



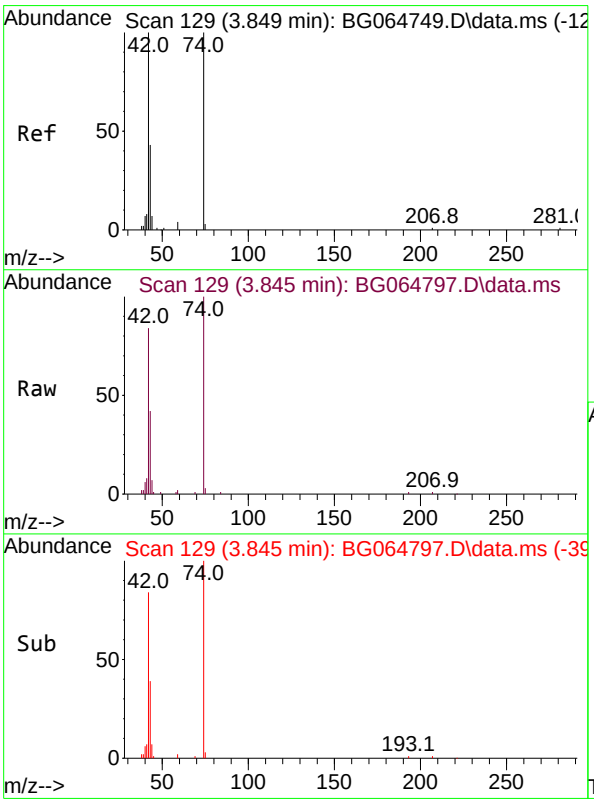
Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025
Supervised By :Sohil Jodhani

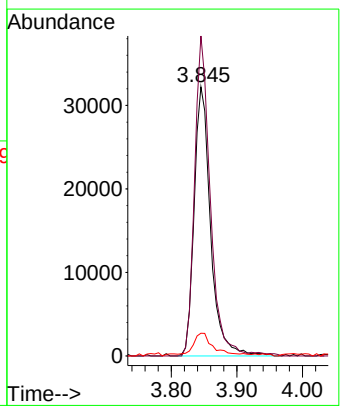
11/18/2025

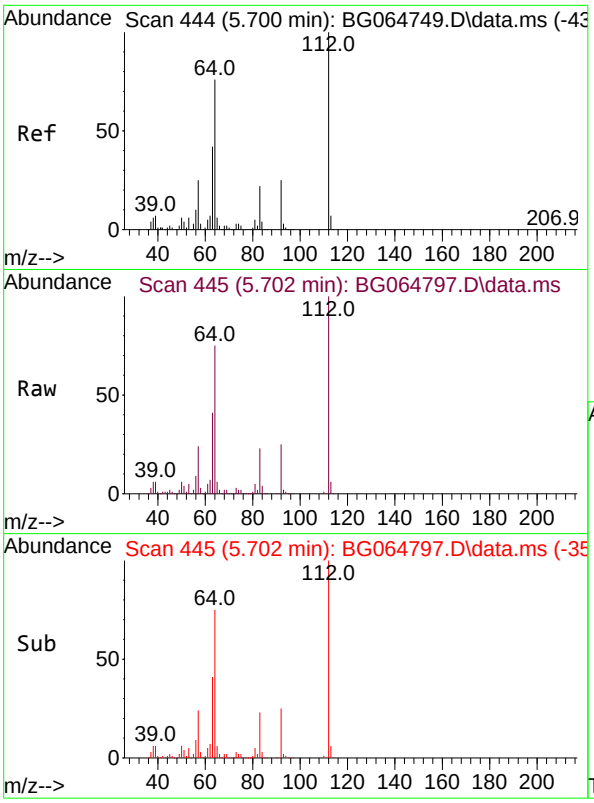


#4
n-Nitrosodimethylamine
Concen: 41.779 ng
RT: 3.845 min Scan# 129
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 42 Resp: 55812

Ion	Ratio	Lower	Upper
42	100		
74	119.0	79.8	119.6
44	8.4	5.9	8.9

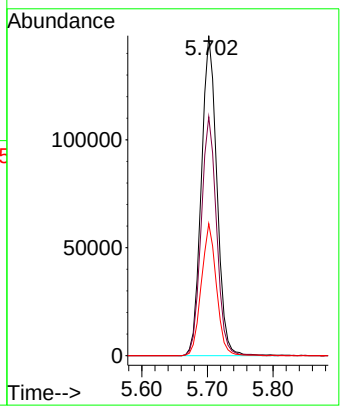




#5
2-Fluorophenol
Concen: 106.561 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:112 Resp: 24247

Ion	Ratio	Lower	Upper
112	100		
64	74.6	61.0	91.4
63	41.2	33.3	49.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

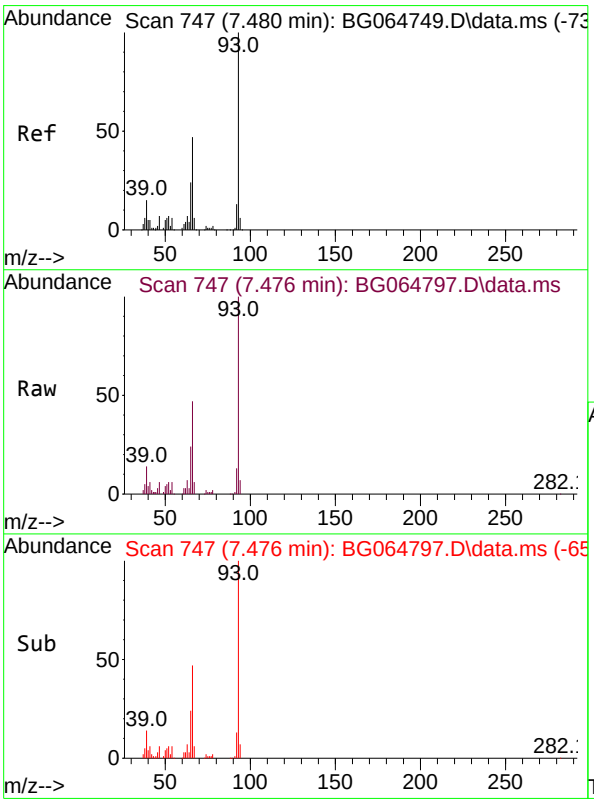
Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

11/18/2025

Supervised By :Sohil Jodhani

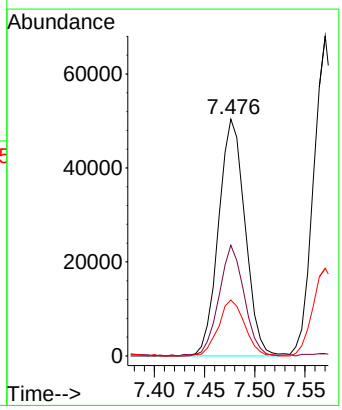
11/18/2025

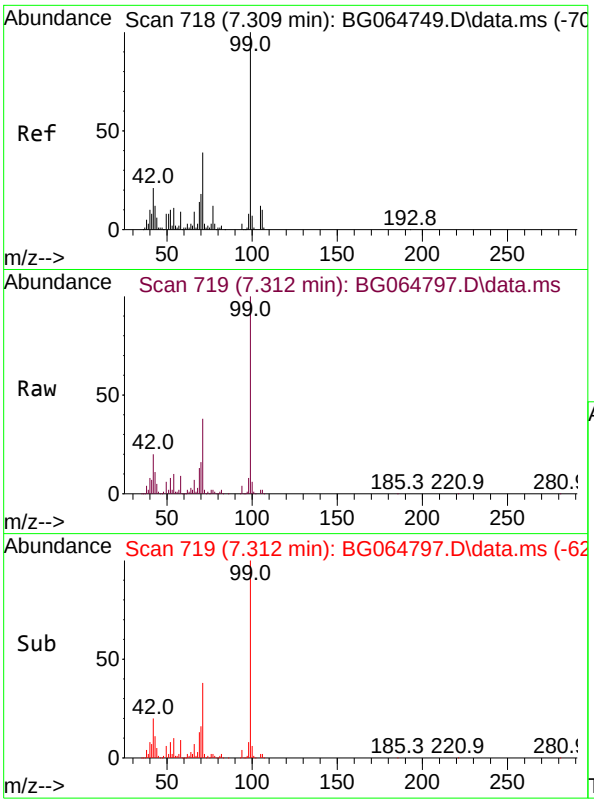


#6
Aniline
Concen: 22.941 ng
RT: 7.476 min Scan# 747
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 93 Resp: 92542

Ion	Ratio	Lower	Upper
93	100		
66	46.8	37.7	56.5
65	23.6	19.1	28.7

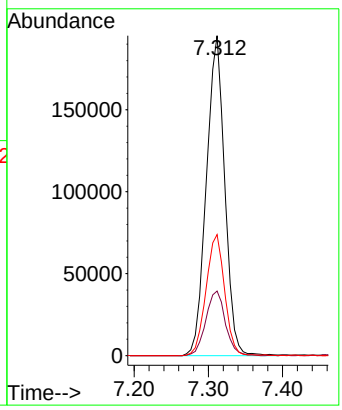




#7
Phenol-d6
Concen: 110.828 ng
RT: 7.312 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 99 Resp: 33541

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.8	25.2
71	37.8	31.1	46.7



Instrument :
BNA_G
ClientSampleId :
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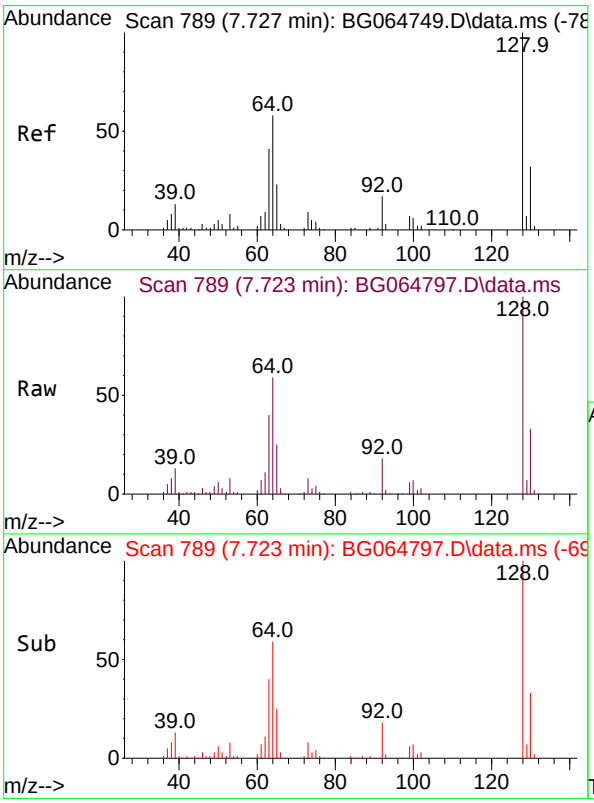
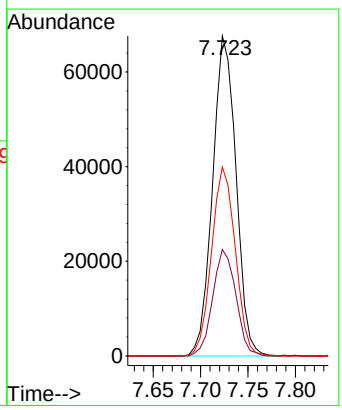
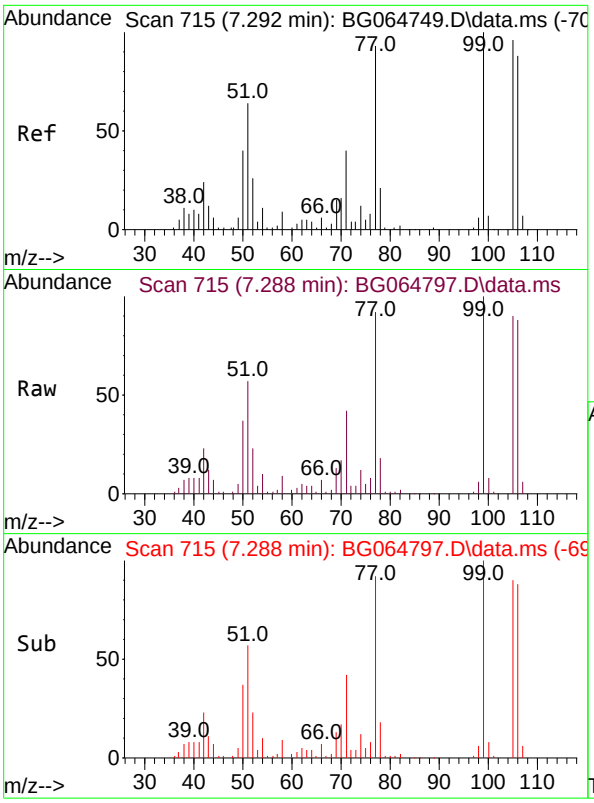


#8
2-Chlorophenol
Concen: 46.477 ng
RT: 7.723 min Scan# 789
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:128 Resp: 116122

Ion	Ratio	Lower	Upper
128	100		
130	33.2	11.9	51.9
64	59.0	38.4	78.4

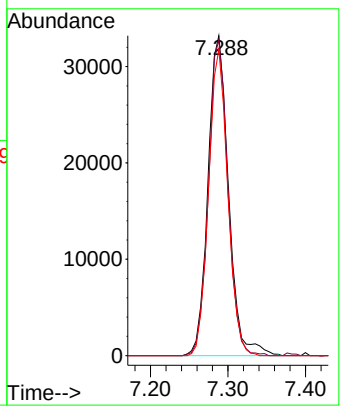




#9
Benzaldehyde
Concen: 30.820 ng
RT: 7.288 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 77 Resp: 6105

Ion	Ratio	Lower	Upper
77	100		
105	98.6	83.8	123.8
106	95.7	74.3	114.3



Instrument :
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ClientSampleId :
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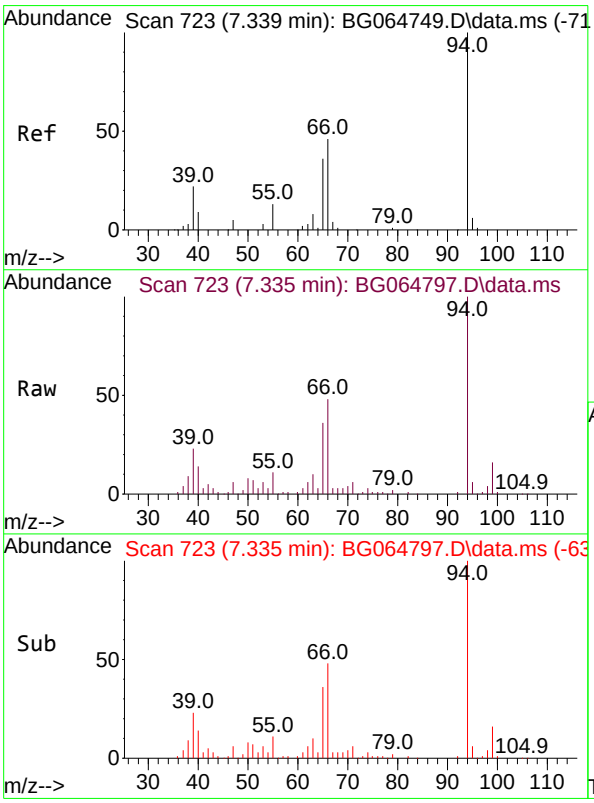
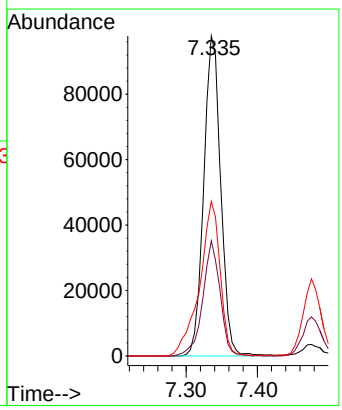
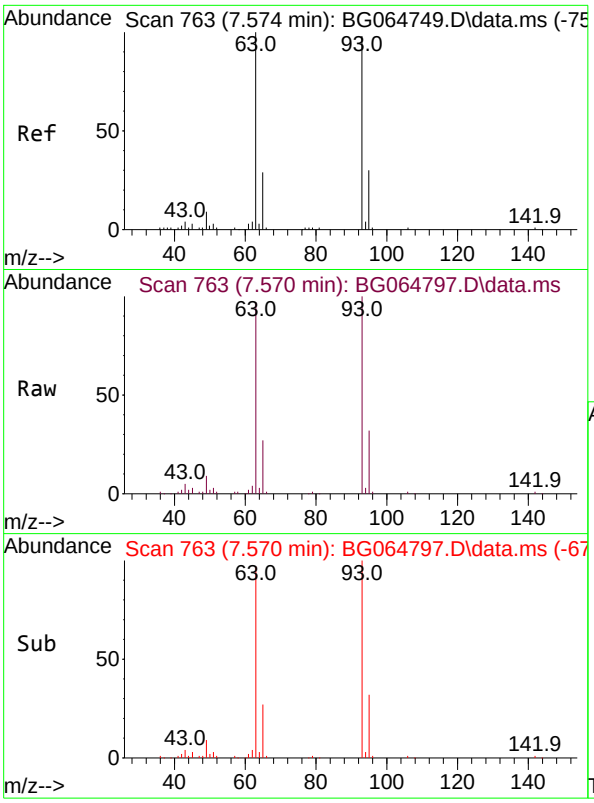


#10
Phenol
Concen: 49.019 ng
RT: 7.335 min Scan# 723
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 94 Resp: 161413

Ion	Ratio	Lower	Upper
94	100		
65	36.0	17.0	57.0
66	48.3	29.8	69.8

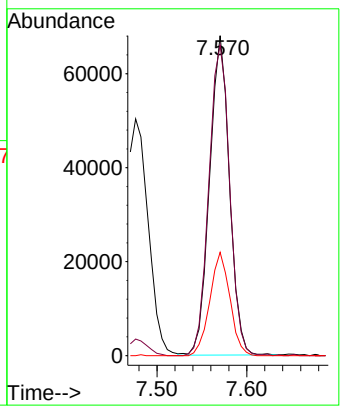




#11
bis(2-Chloroethyl)ether
Concen: 44.671 ng
RT: 7.570 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 93 Resp: 10467

Ion	Ratio	Lower	Upper
93	100		
63	97.0	81.8	121.8
95	32.3	10.3	50.3



Instrument :
BNA_G
ClientSampleId :
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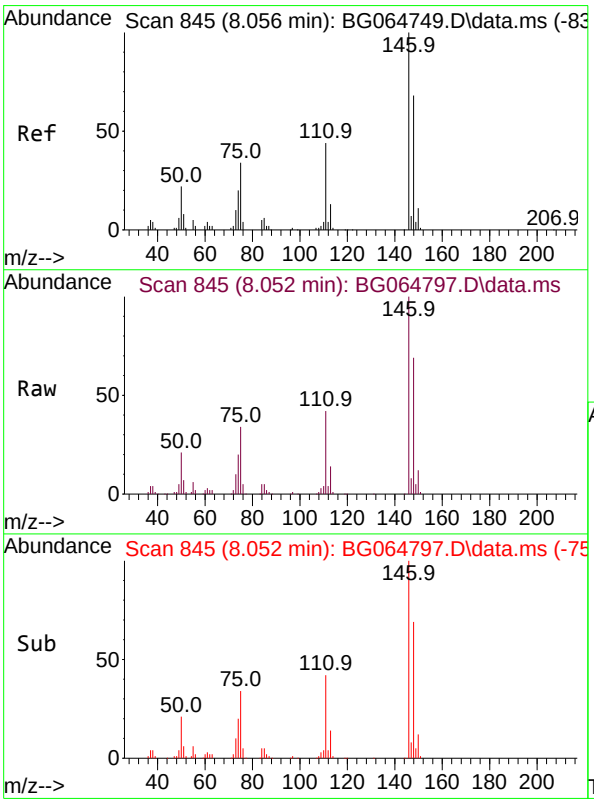
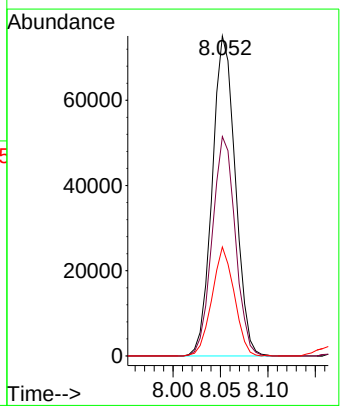
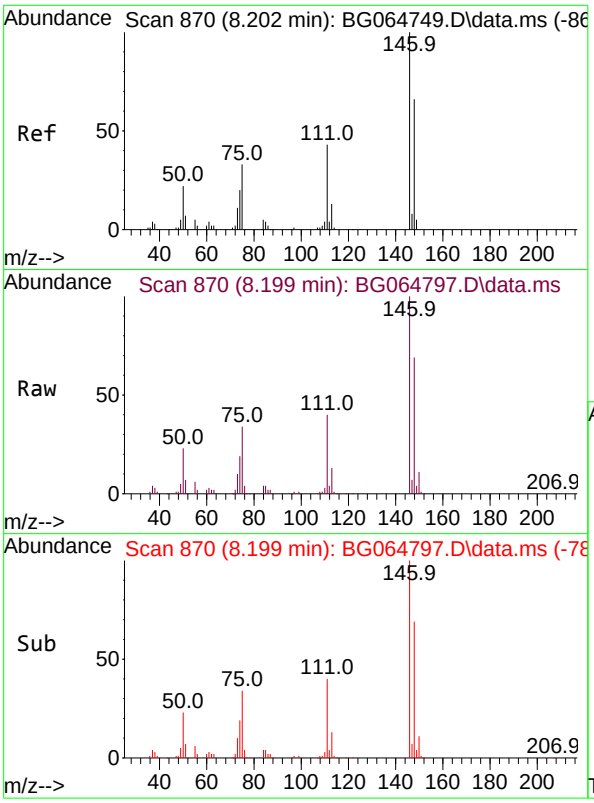


#12
1,3-Dichlorobenzene
Concen: 44.200 ng
RT: 8.052 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:146 Resp: 127073

Ion	Ratio	Lower	Upper
146	100		
148	68.5	54.6	82.0
75	34.0	27.6	41.4

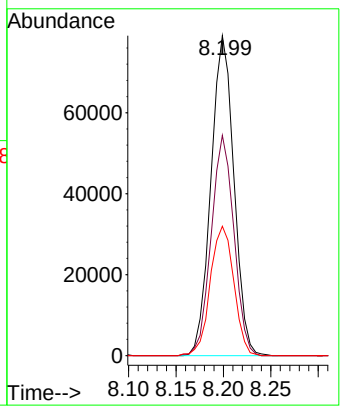




#13
1,4-Dichlorobenzene
Concen: 45.479 ng
RT: 8.199 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:146 Resp: 13313

Ion	Ratio	Lower	Upper
146	100		
148	68.8	53.1	79.7
111	40.4	34.1	51.1



Instrument :
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ClientSampleId :
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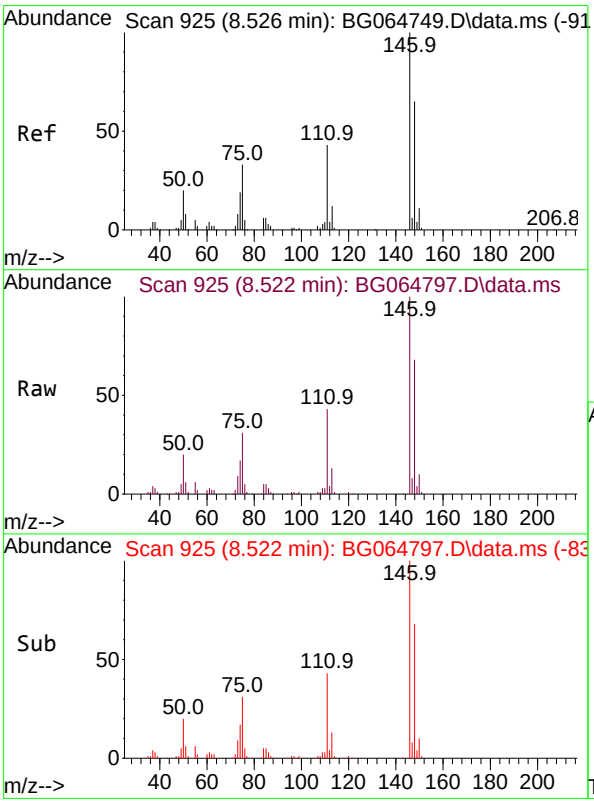
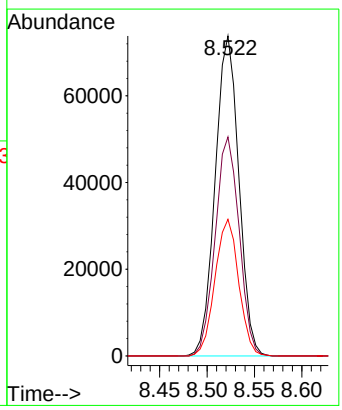
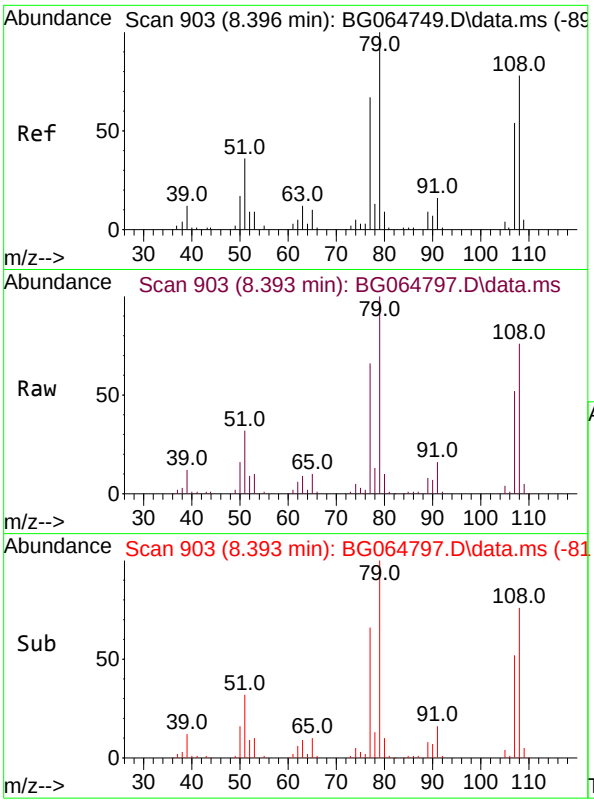


#14
1,2-Dichlorobenzene
Concen: 45.157 ng
RT: 8.522 min Scan# 925
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:146 Resp: 128179

Ion	Ratio	Lower	Upper
146	100		
148	68.4	52.0	78.0
111	42.7	34.7	52.1

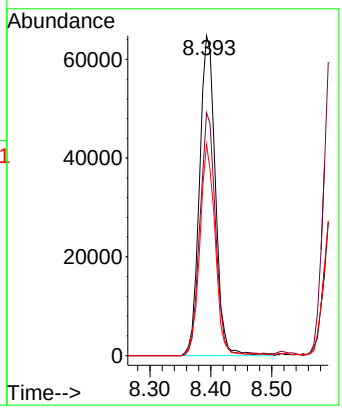




#15
Benzyl Alcohol
Concen: 47.351 ng
RT: 8.393 min Scan# 90
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 79 Resp: 11762

Ion	Ratio	Lower	Upper
79	100		
108	75.9	62.3	93.5
77	66.0	53.5	80.3



Instrument :
BNA_G
ClientSampleId :
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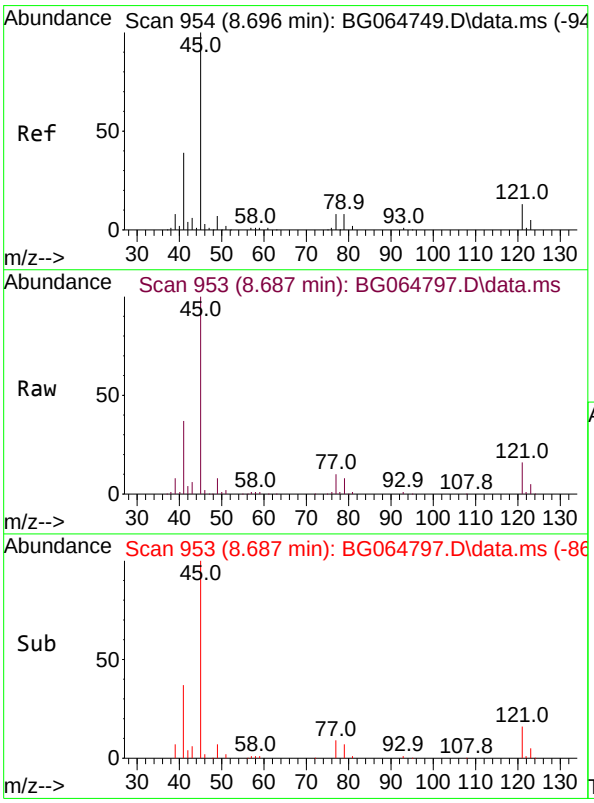
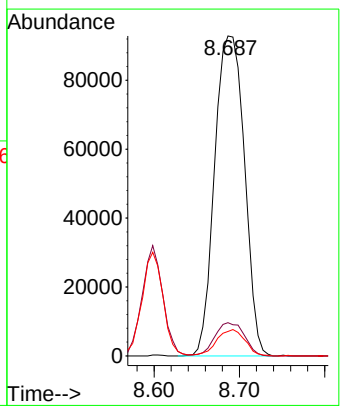
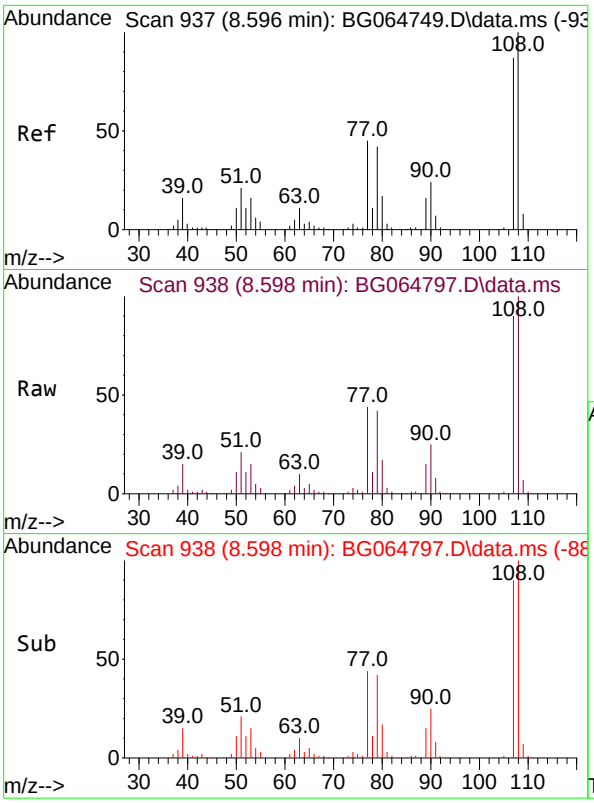


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.617 ng
RT: 8.687 min Scan# 953
Delta R.T. -0.010 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 45 Resp: 225270

Ion	Ratio	Lower	Upper
45	100		
77	10.4	0.0	28.8
79	7.6	0.0	28.1

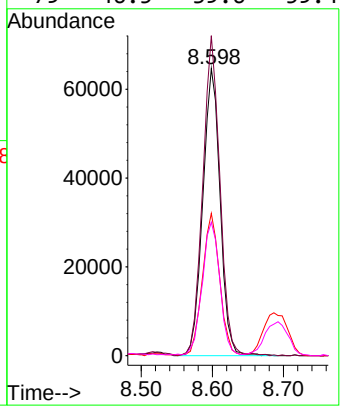




#17
2-Methylphenol
Concen: 46.891 ng
RT: 8.598 min Scan# 9
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:107 Resp: 10925

Ion	Ratio	Lower	Upper
107	100		
108	111.5	92.6	138.8
77	49.5	41.2	61.8
79	46.5	39.6	59.4



Instrument :
BNA_G
ClientSampleId :
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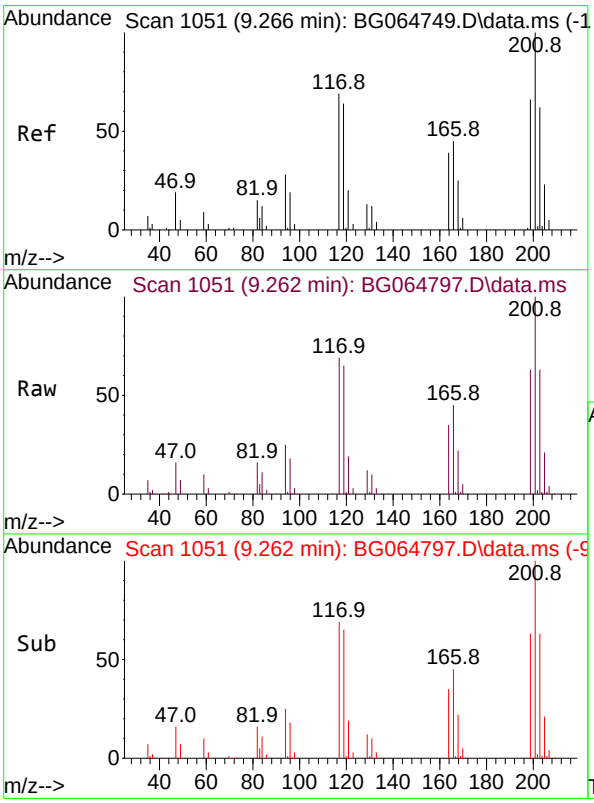
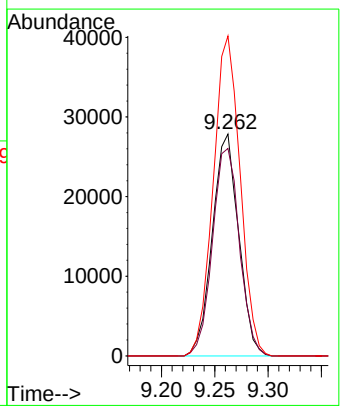
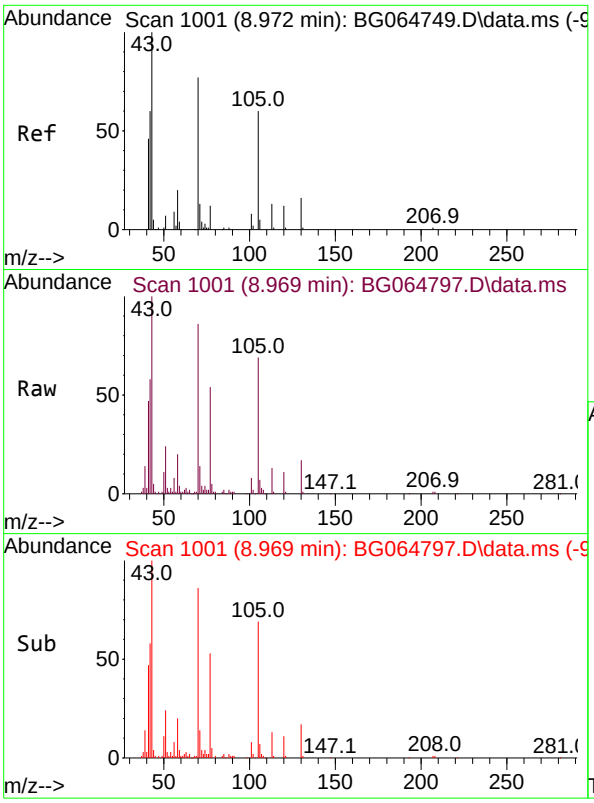


#18
Hexachloroethane
Concen: 43.181 ng
RT: 9.262 min Scan# 1051
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:117 Resp: 47878

Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.4	111.6
201	144.3	116.5	174.7

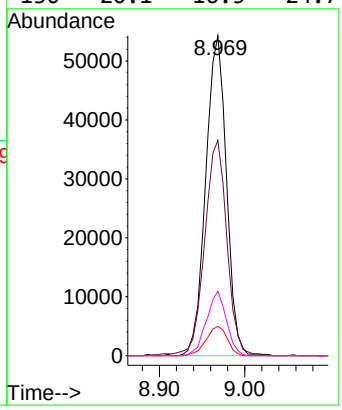




#19
n-Nitroso-di-n-propylamine
Concen: 44.714 ng
RT: 8.969 min Scan# 1(
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 70 Resp: 9149

Ion	Ratio	Lower	Upper
70	100		
42	67.3	62.6	93.8
101	9.1	8.0	12.0
130	20.1	16.5	24.7



Instrument :
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ClientSampleId :
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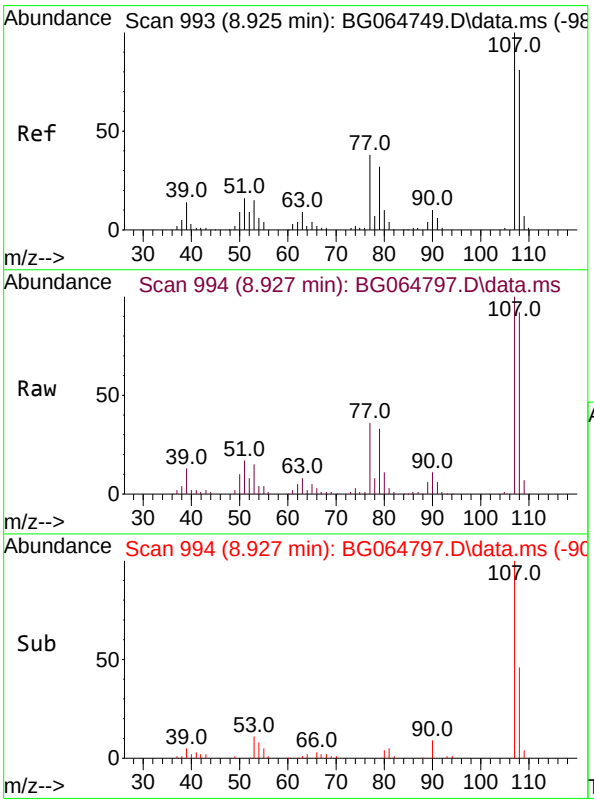
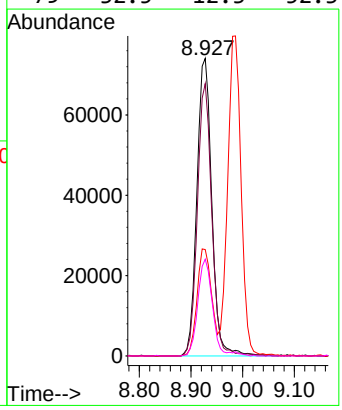
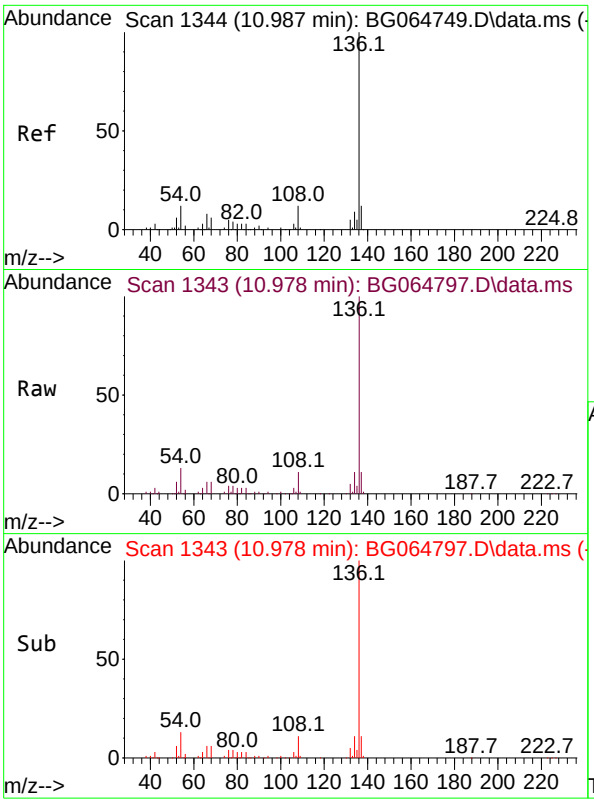


#20
3+4-Methylphenols
Concen: 46.366 ng
RT: 8.927 min Scan# 994
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:107 Resp: 147994

Ion	Ratio	Lower	Upper
107	100		
108	91.5	61.0	101.0
77	35.7	17.6	57.6
79	32.5	12.3	52.3

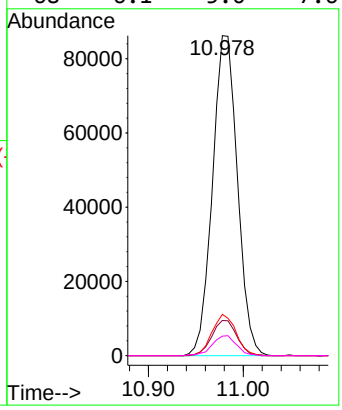




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:136 Resp: 15760

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	12.9	9.3	13.9
68	6.1	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
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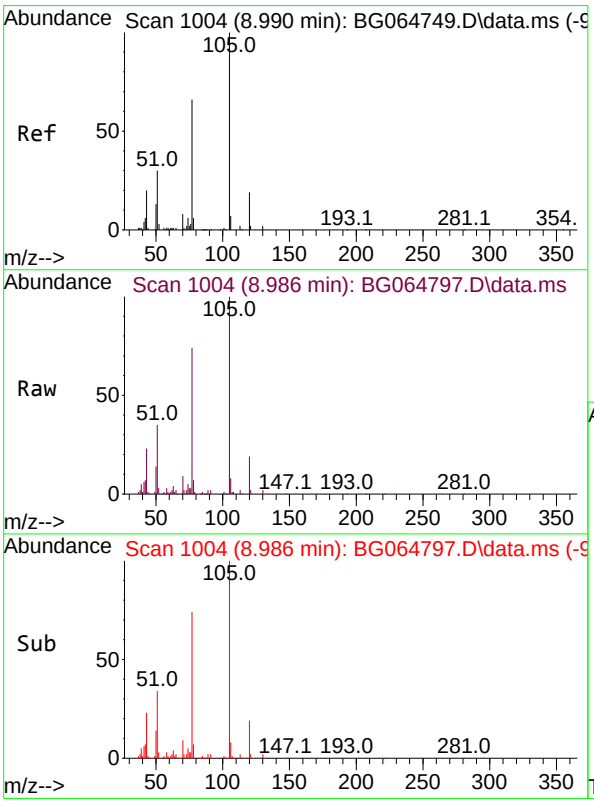
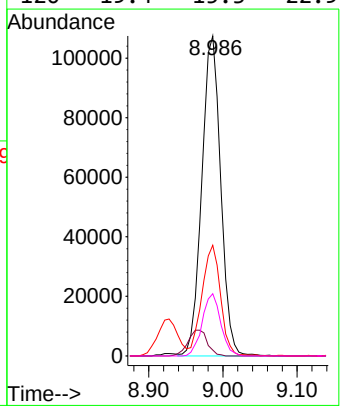
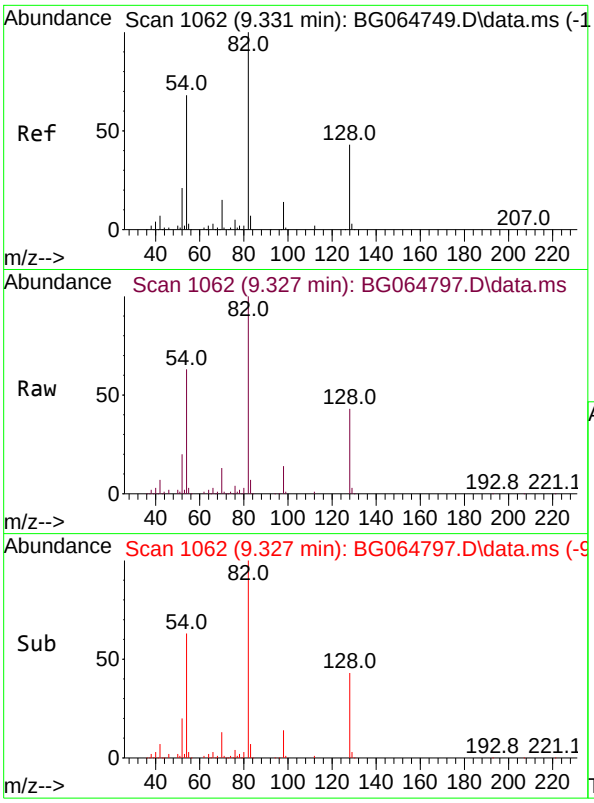


#22
Acetophenone
Concen: 44.355 ng
RT: 8.986 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:105 Resp: 190455

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.3	1.9
51	34.6	27.9	41.9
120	19.4	15.3	22.9

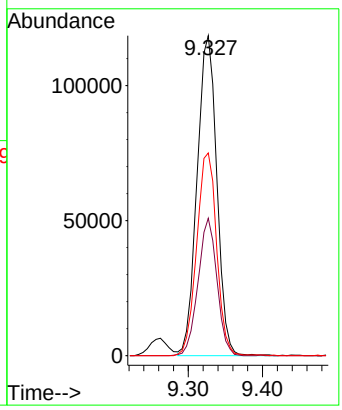




#23
Nitrobenzene-d5
Concen: 68.711 ng
RT: 9.327 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 82 Resp: 21902

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.1	51.1
54	63.3	54.3	81.5



Instrument :
BNA_G
ClientSampleId :
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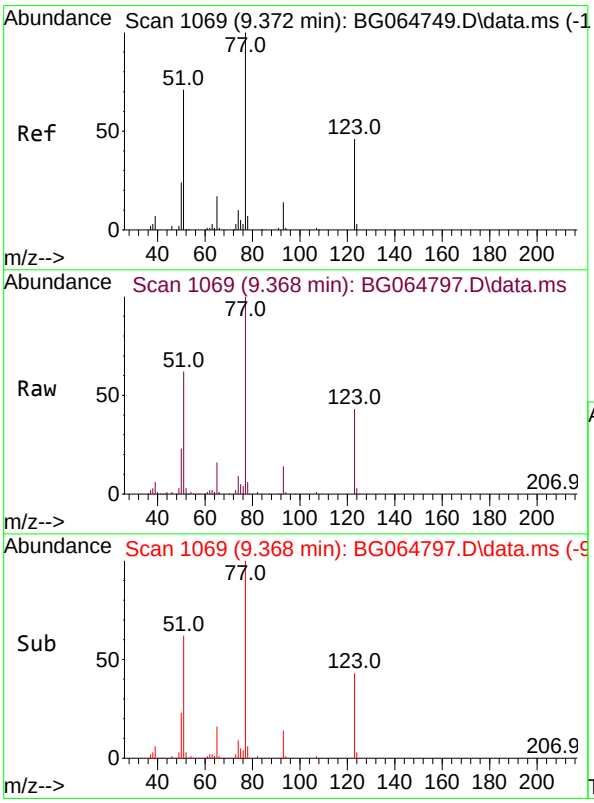
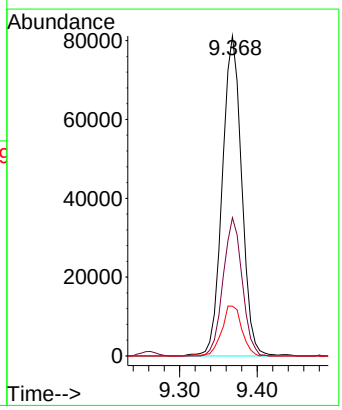
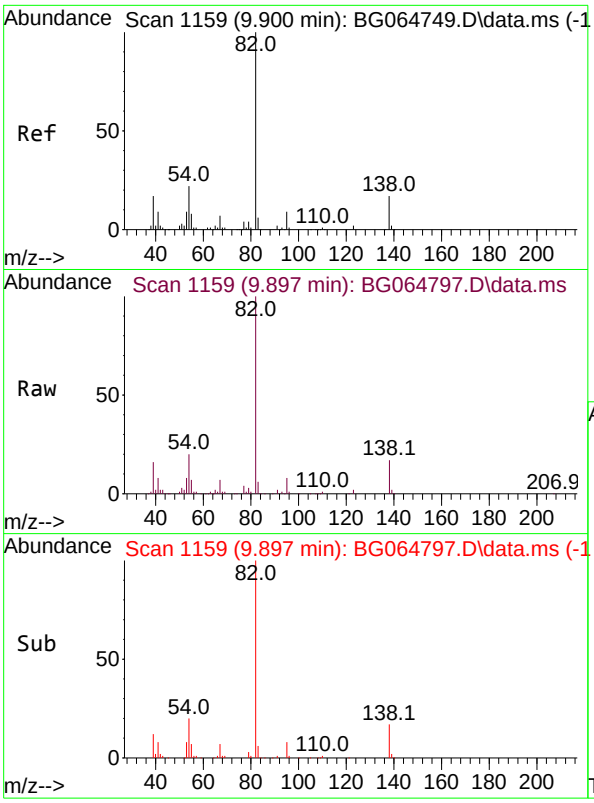


#24
Nitrobenzene
Concen: 43.889 ng
RT: 9.368 min Scan# 1069
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 77 Resp: 141359

Ion	Ratio	Lower	Upper
77	100		
123	43.2	36.5	54.7
65	15.5	13.5	20.3

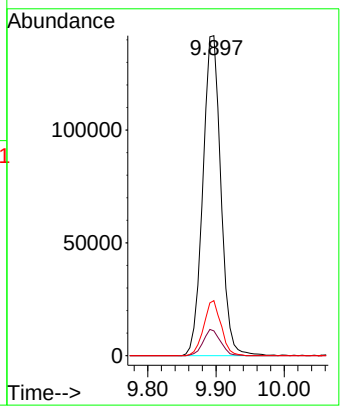




#25
Isophorone
Concen: 42.838 ng
RT: 9.897 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 82 Resp: 26003

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.9	10.3
138	17.2	13.9	20.9



Instrument :
BNA_G
ClientSampleId :
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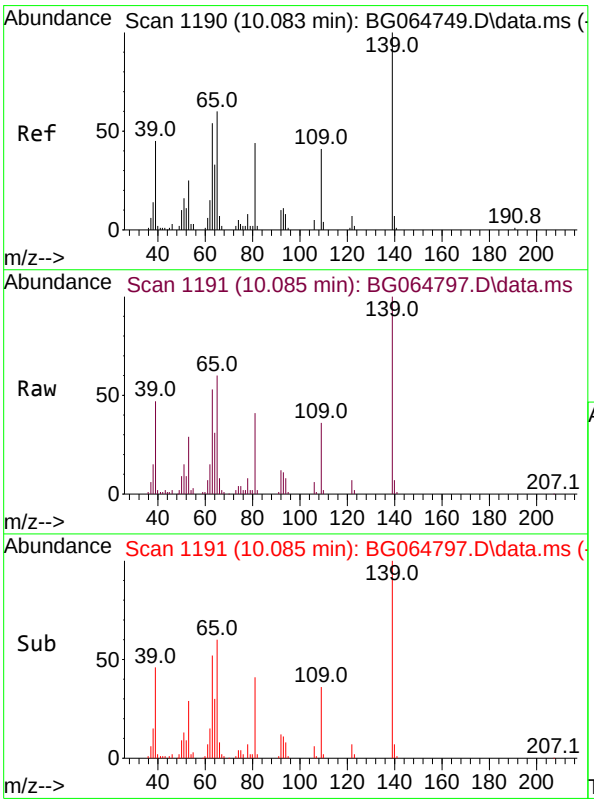
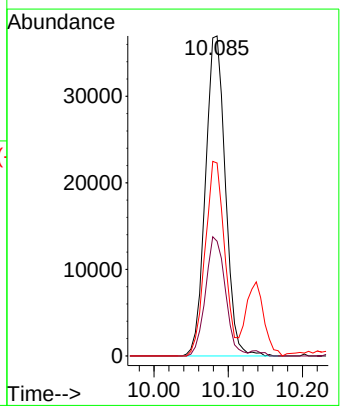
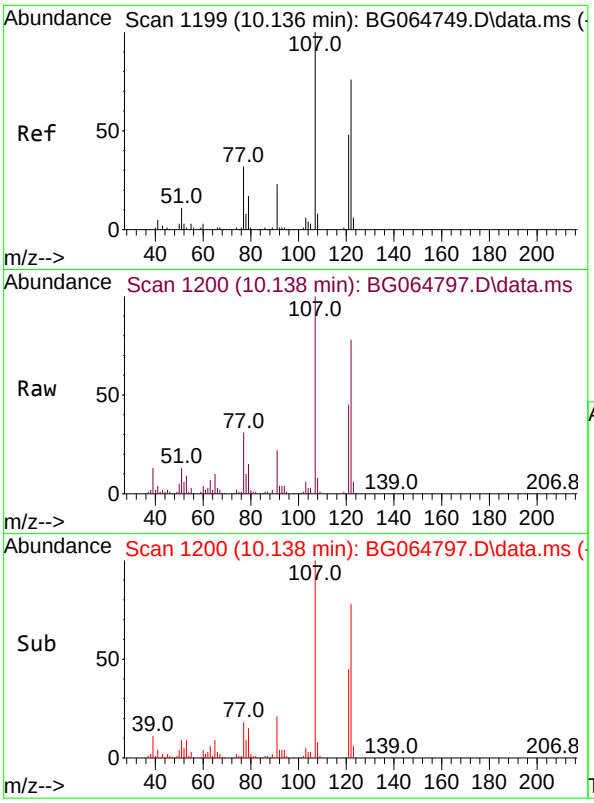


#26
2-Nitrophenol
Concen: 47.477 ng
RT: 10.085 min Scan# 1191
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:139 Resp: 68781

Ion	Ratio	Lower	Upper
139	100		
109	35.8	32.5	48.7
65	60.3	47.6	71.4

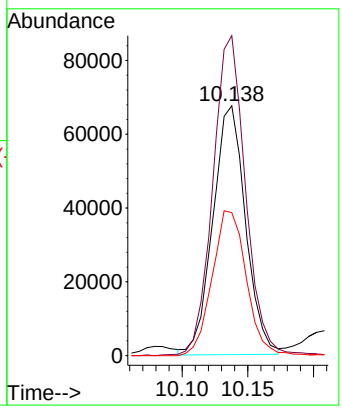




#27
2,4-Dimethylphenol
Concen: 45.445 ng
RT: 10.138 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:122 Resp: 11696

Ion	Ratio	Lower	Upper
122	100		
107	128.1	102.5	153.7
121	57.2	49.0	73.6



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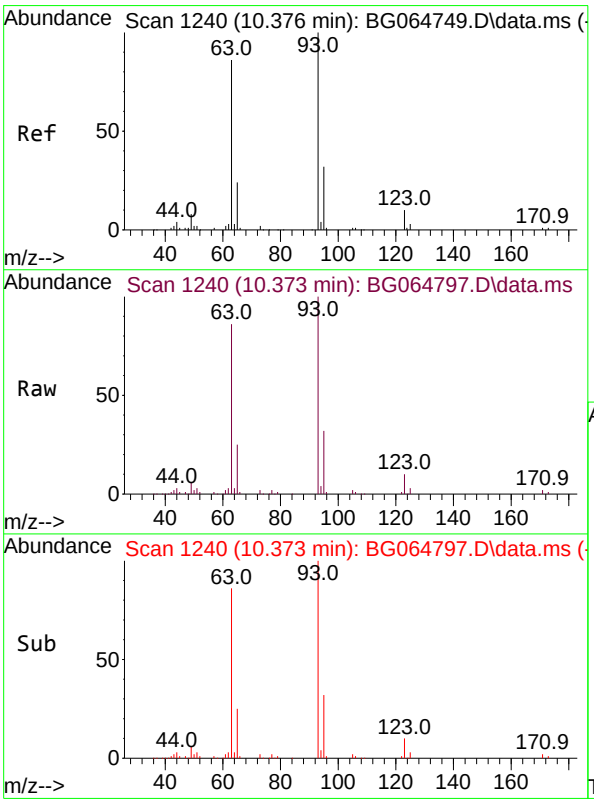
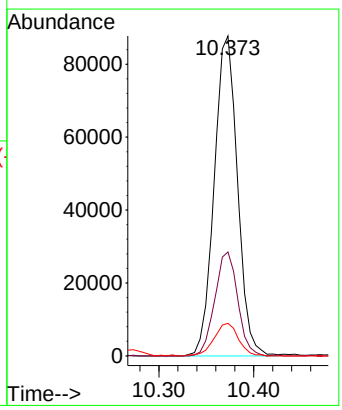
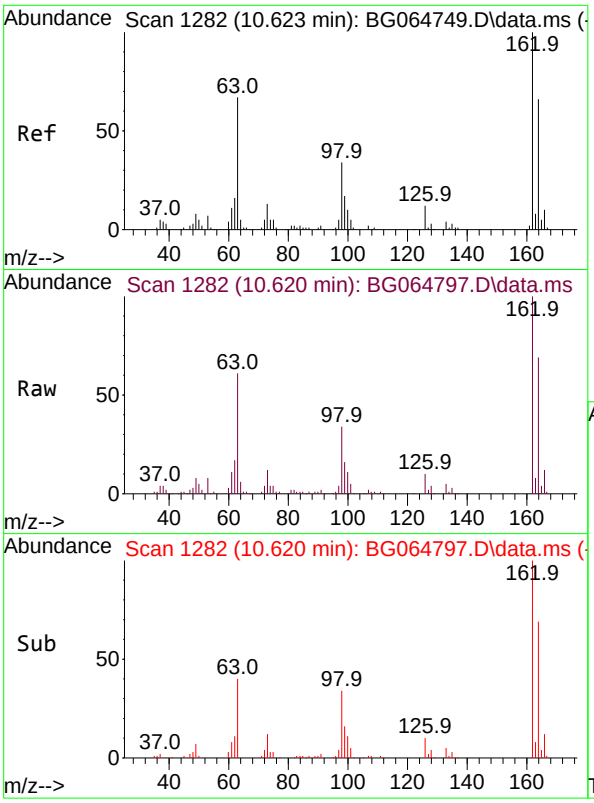


#28
bis(2-Chloroethoxy)methane
Concen: 44.877 ng
RT: 10.373 min Scan# 1240
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 93 Resp: 149556

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	10.2	8.1	12.1

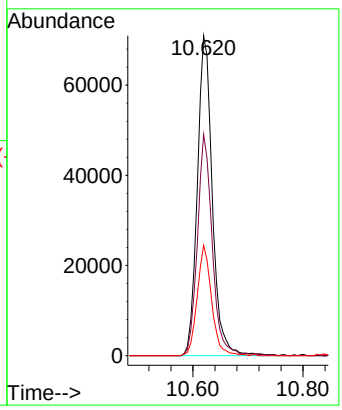




#29
2,4-Dichlorophenol
Concen: 48.577 ng
RT: 10.620 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:162 Resp: 13422

Ion	Ratio	Lower	Upper
162	100		
164	69.1	46.0	86.0
98	34.5	14.2	54.2



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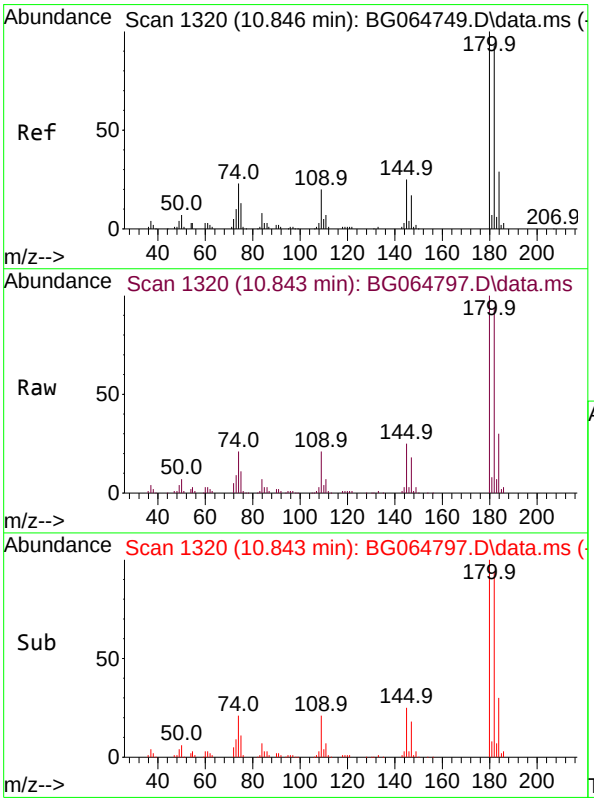
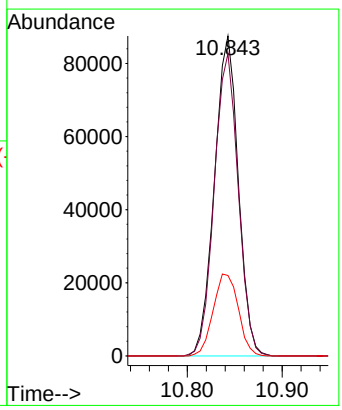
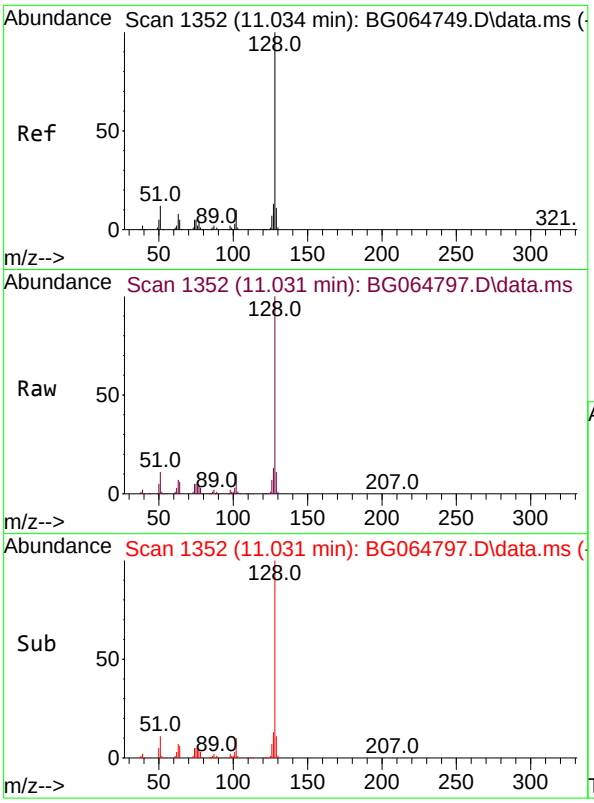


#30
1,2,4-Trichlorobenzene
Concen: 45.870 ng
RT: 10.843 min Scan# 1320
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:180 Resp: 153051

Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.2	111.4
145	25.1	20.0	30.0

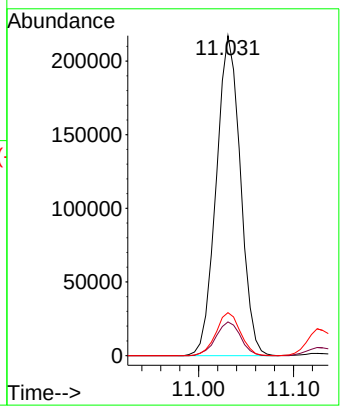




#31
Naphthalene
Concen: 43.018 ng
RT: 11.031 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:128 Resp: 38433

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.4	10.6	16.0



Instrument :
BNA_G
ClientSampleId :
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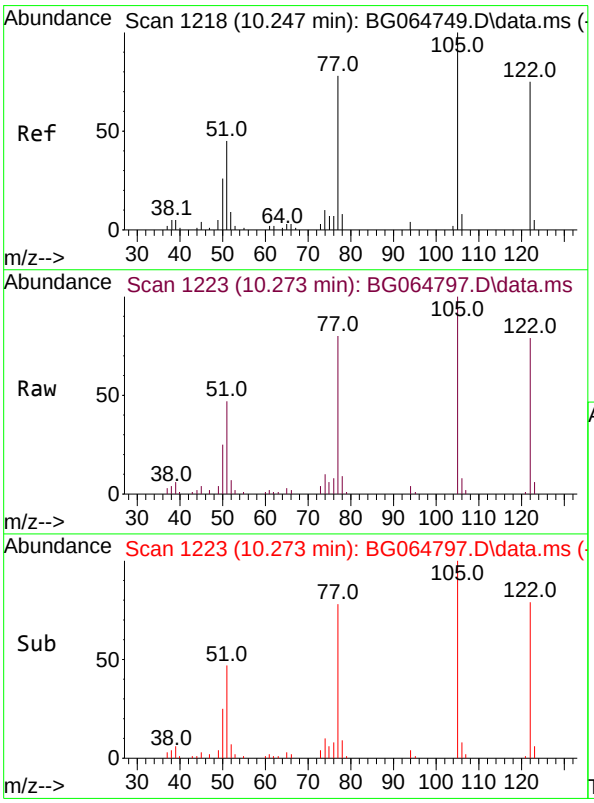
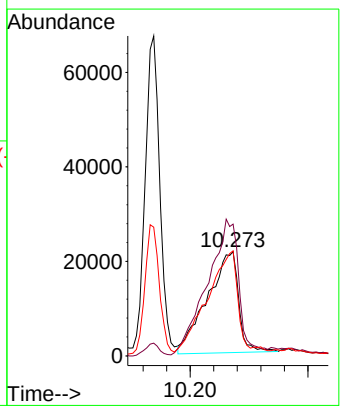
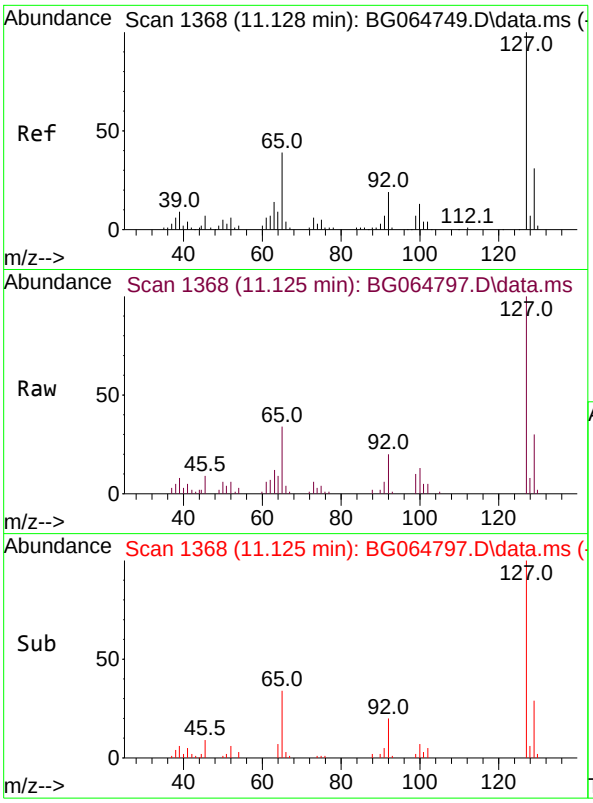


#32
Benzoic acid
Concen: 44.097 ng
RT: 10.273 min Scan# 1223
Delta R.T. 0.026 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:122 Resp: 79110

Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.6	147.6
77	100.8	82.5	122.5

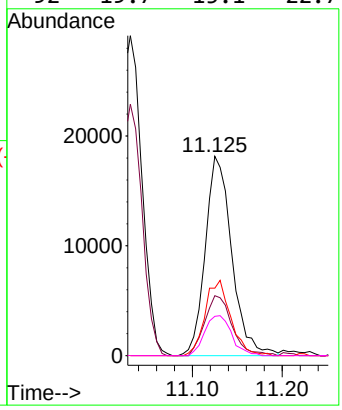




#33
4-Chloroaniline
Concen: 10.423 ng
RT: 11.125 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:127 Resp: 3725

Ion	Ratio	Lower	Upper
127	100		
129	30.1	24.9	37.3
65	33.8	30.9	46.3
92	19.7	15.1	22.7



Instrument :
BNA_G
ClientSampleId :
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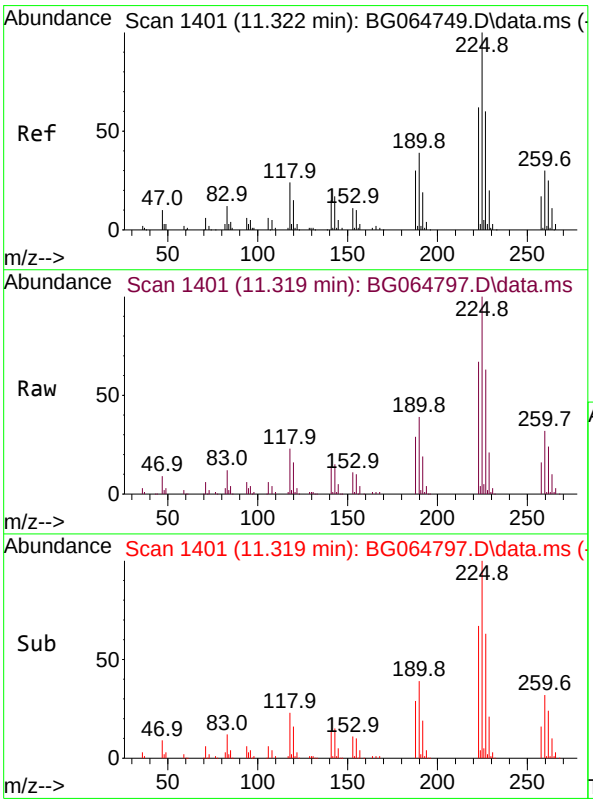
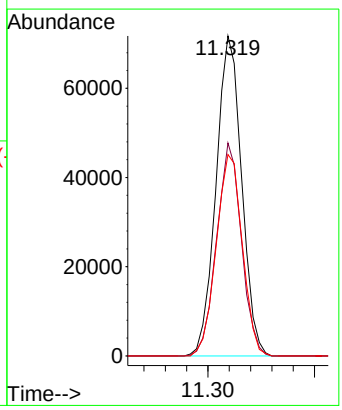
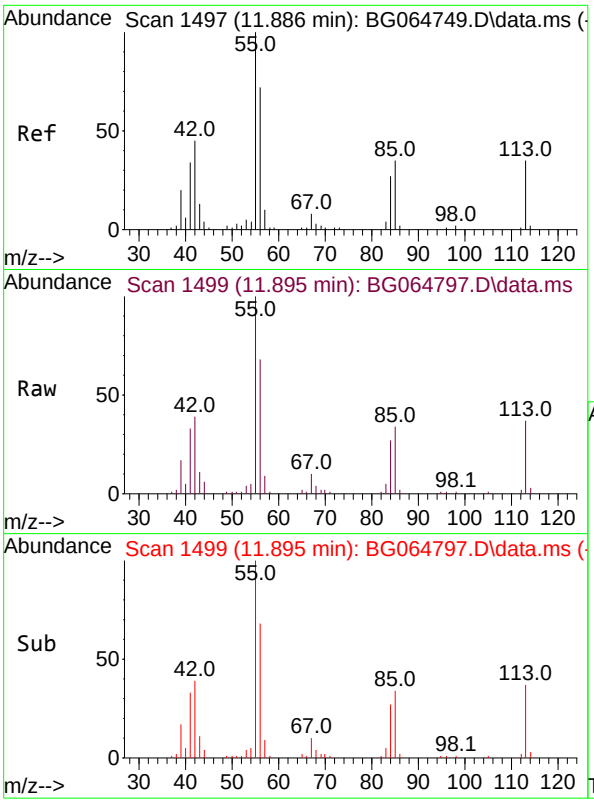


#34
Hexachlorobutadiene
Concen: 41.828 ng
RT: 11.319 min Scan# 1401
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:225 Resp: 119748

Ion	Ratio	Lower	Upper
225	100		
223	66.5	49.9	74.9
227	62.9	50.6	75.8

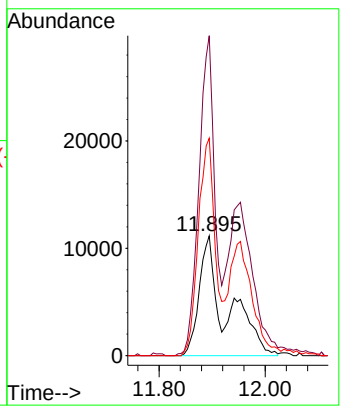




#35
Caprolactam
Concen: 47.491 ng m
RT: 11.895 min Scan# 14
Delta R.T. 0.008 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:113 Resp: 3925

Ion	Ratio	Lower	Upper
113	100		
55	267.1	263.7	303.7
56	181.4	184.0	224.0#



Instrument :
BNA_G
ClientSampleId :
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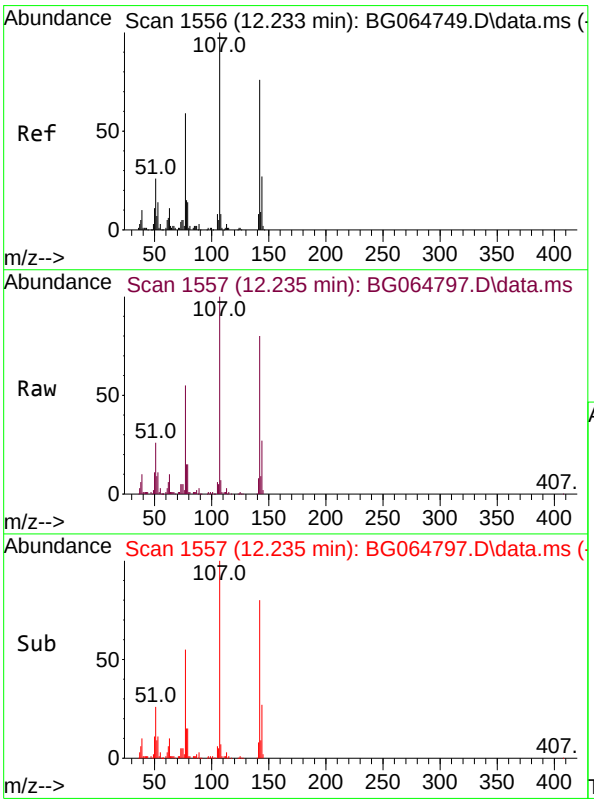
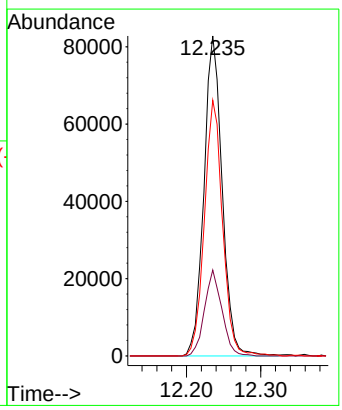
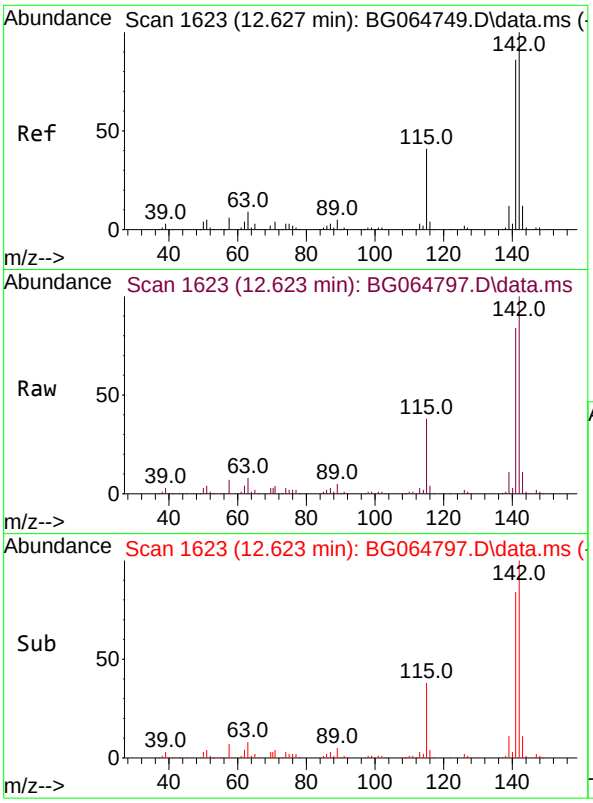


#36
4-Chloro-3-methylphenol
Concen: 46.053 ng
RT: 12.235 min Scan# 1557
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:107 Resp: 141639

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.7	32.5
142	79.9	60.8	91.2

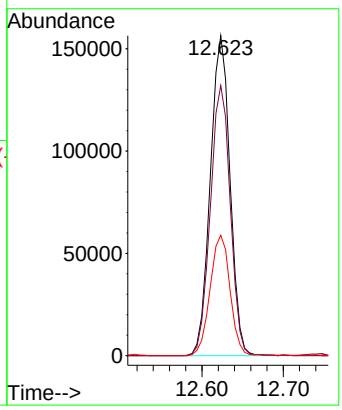




#37
2-Methylnaphthalene
Concen: 39.382 ng
RT: 12.623 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:142 Resp: 26329

Ion	Ratio	Lower	Upper
142	100		
141	84.4	69.1	103.7
115	37.6	32.9	49.3



Instrument :
BNA_G
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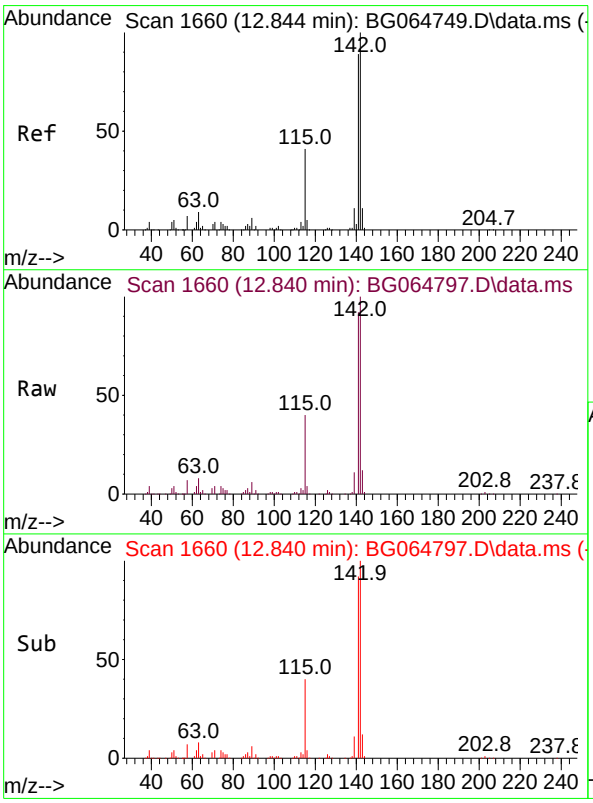
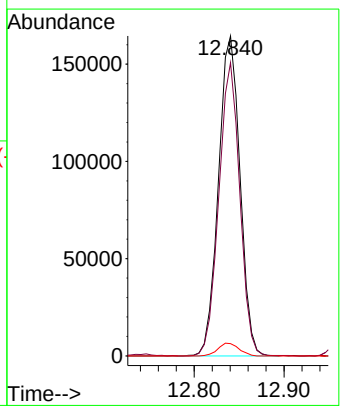
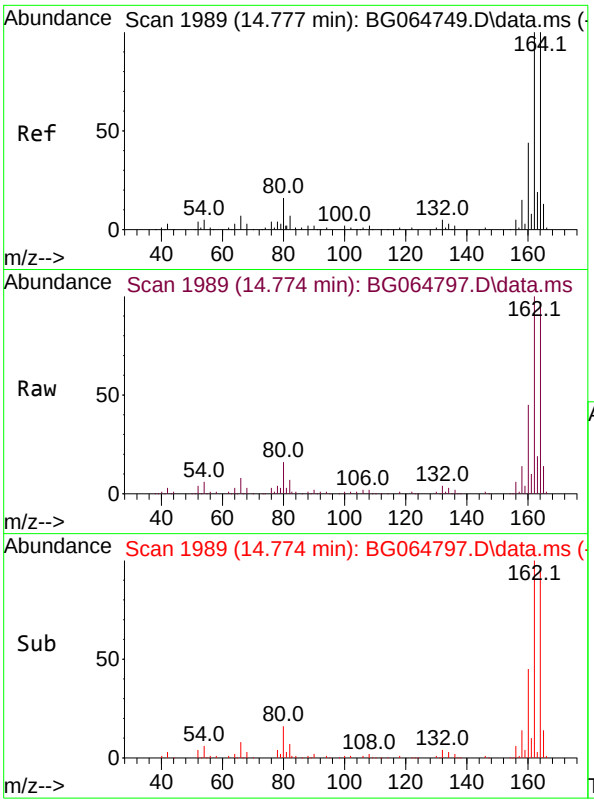


#38
1-Methylnaphthalene
Concen: 41.420 ng
RT: 12.840 min Scan# 1660
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:142 Resp: 275084

Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.8	106.2
116	3.8	3.7	5.5

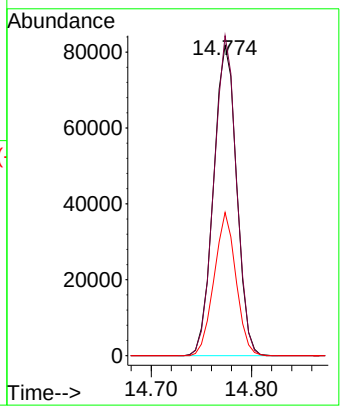




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:164 Resp: 130879

Ion	Ratio	Lower	Upper
164	100		
162	103.1	79.8	119.6
160	46.1	34.9	52.3



Instrument :
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ClientSampleId :
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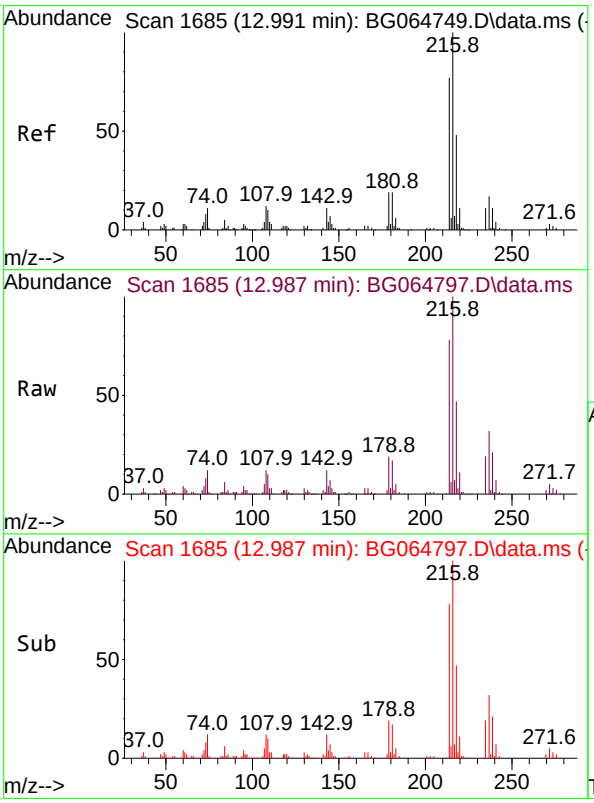
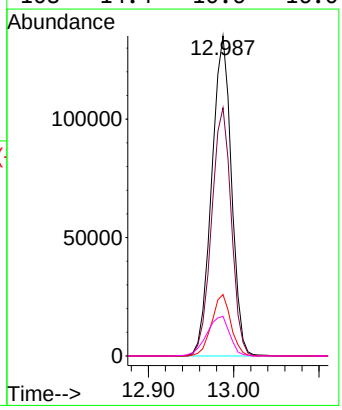
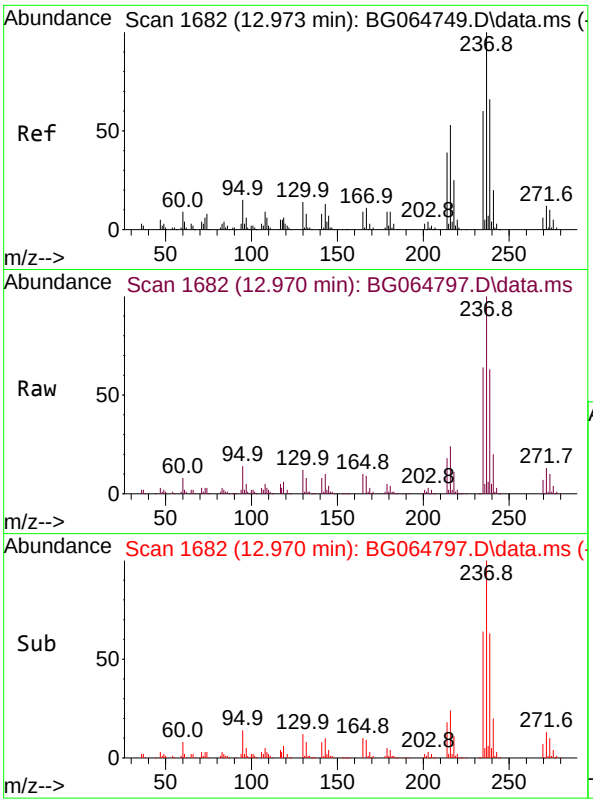


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.646 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:216 Resp: 217214

Ion	Ratio	Lower	Upper
216	100		
214	77.1	60.5	90.7
179	18.6	14.7	22.1
108	14.4	10.6	16.0

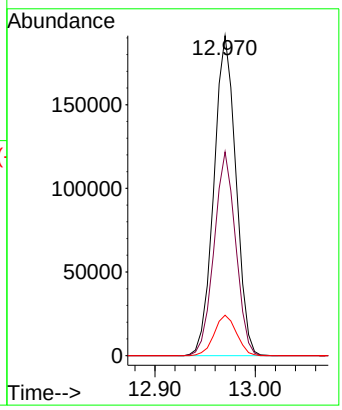




#41
Hexachlorocyclopentadiene
Concen: 80.056 ng
RT: 12.970 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:237 Resp: 29227

Ion	Ratio	Lower	Upper
237	100		
235	63.7	40.2	80.2
272	12.6	0.0	31.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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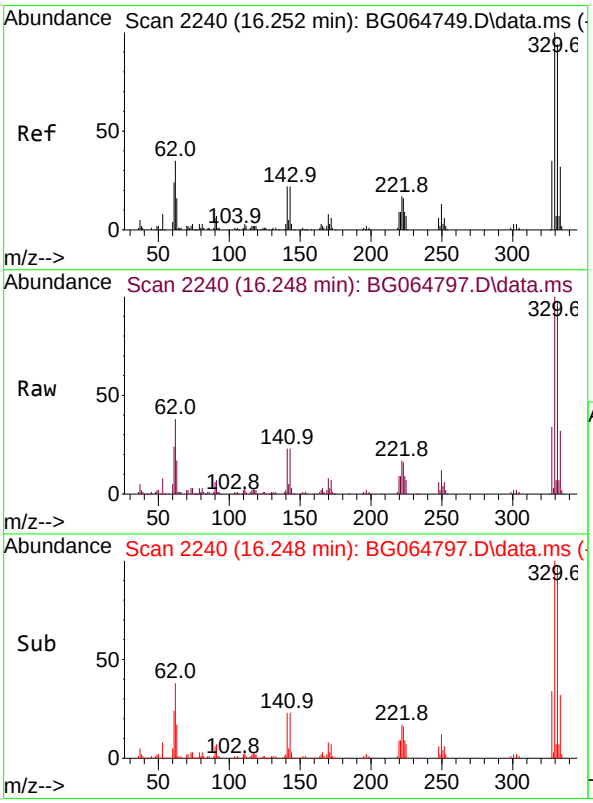
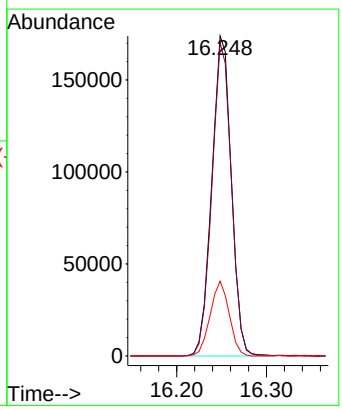
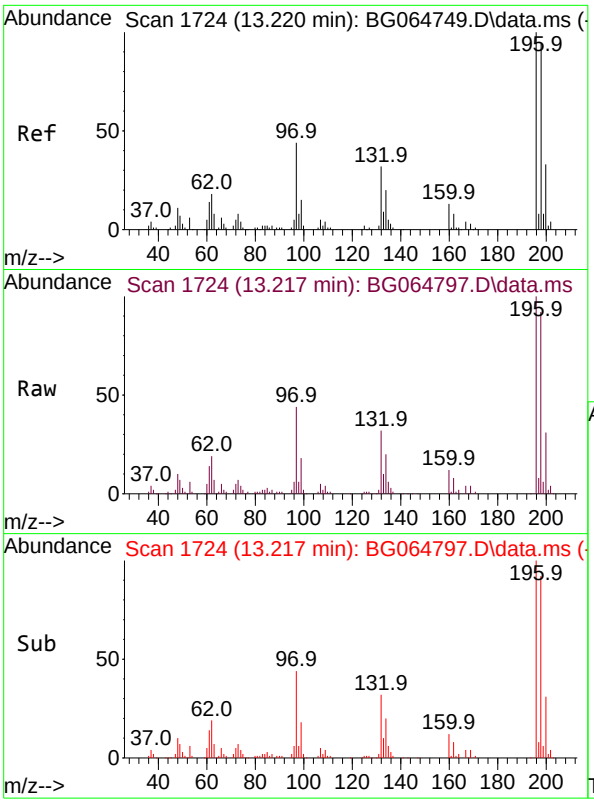


#42
2,4,6-Tribromophenol
Concen: 103.598 ng
RT: 16.248 min Scan# 2240
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:330 Resp: 264438

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	22.6	18.2	27.2

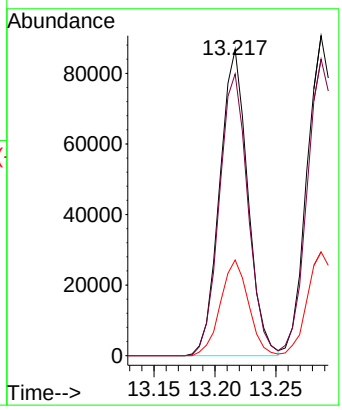




#43
2,4,6-Trichlorophenol
Concen: 46.460 ng
RT: 13.217 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:196 Resp: 13888

Ion	Ratio	Lower	Upper
196	100		
198	92.0	75.3	112.9
200	31.2	26.2	39.2



Instrument :
BNA_G
ClientSampleId :
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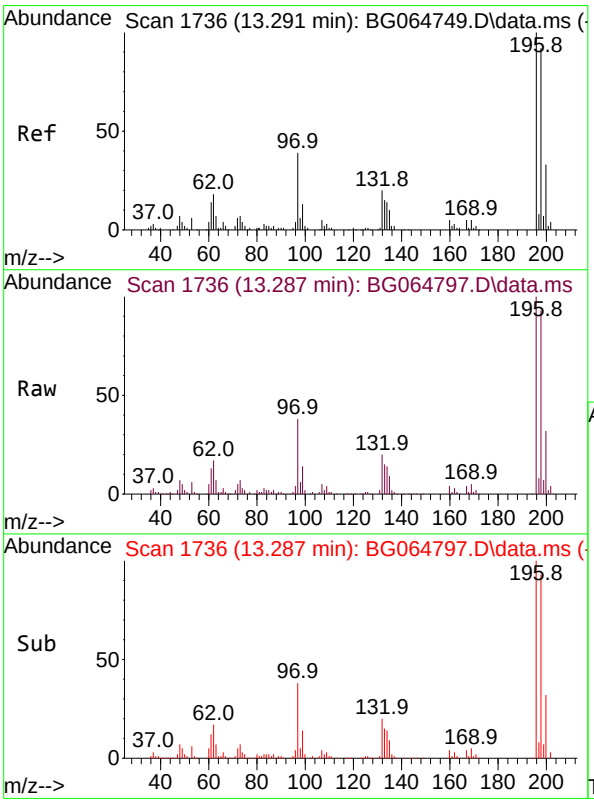
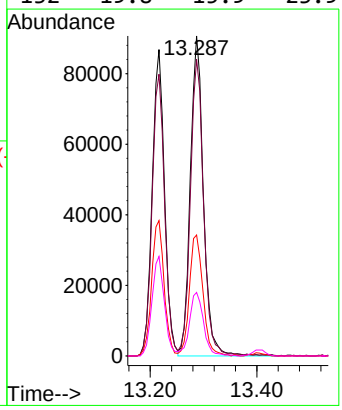
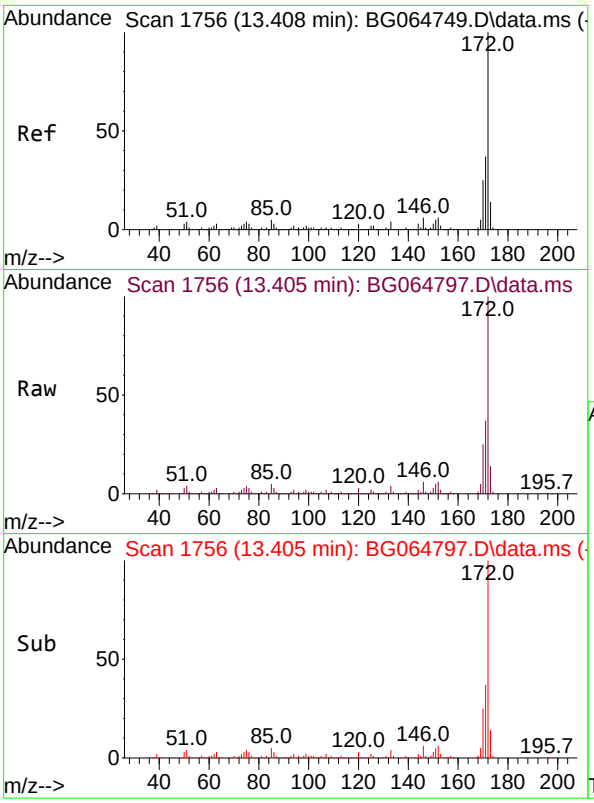


#44
2,4,5-Trichlorophenol
Concen: 46.305 ng
RT: 13.287 min Scan# 1736
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:196 Resp: 155253

Ion	Ratio	Lower	Upper
196	100		
198	92.7	73.2	109.8
97	37.8	31.4	47.0
132	19.8	15.9	23.9

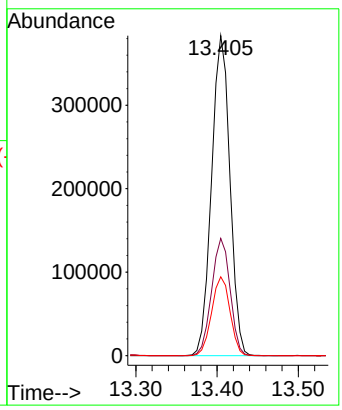




#45
2-Fluorobiphenyl
Concen: 64.153 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:172 Resp: 60173

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.6	19.8	29.6



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BNA_G
ClientSampleId :
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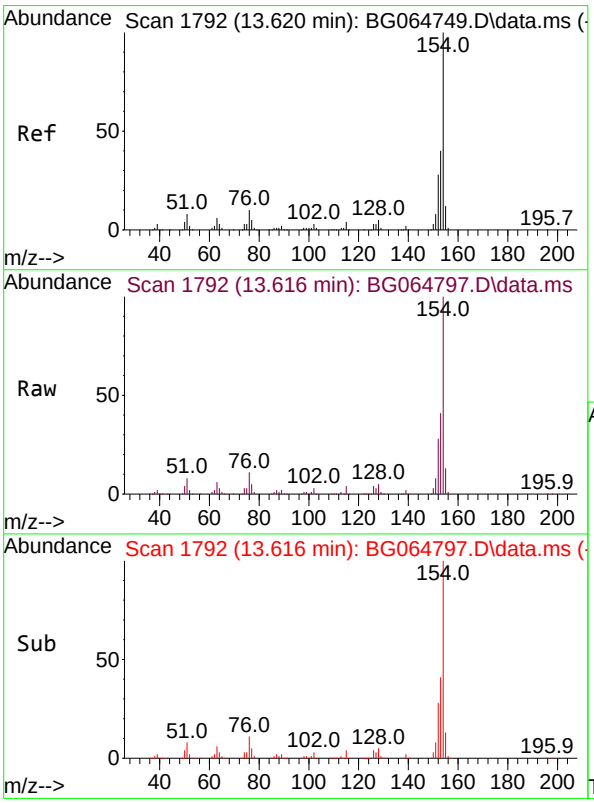
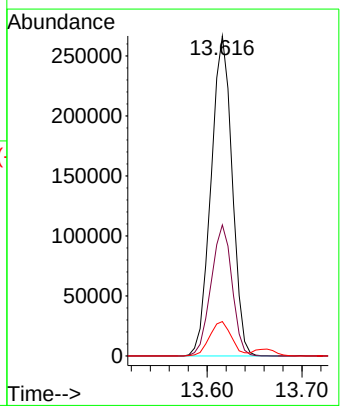
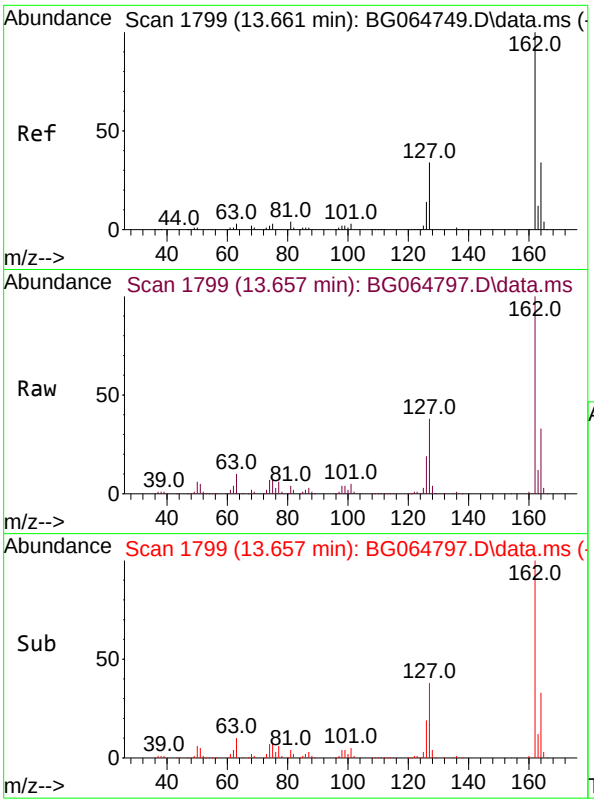


#46
1,1'-Biphenyl
Concen: 43.854 ng
RT: 13.616 min Scan# 1792
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:154 Resp: 412233

Ion	Ratio	Lower	Upper
154	100		
153	40.9	19.8	59.8
76	10.7	0.0	30.0

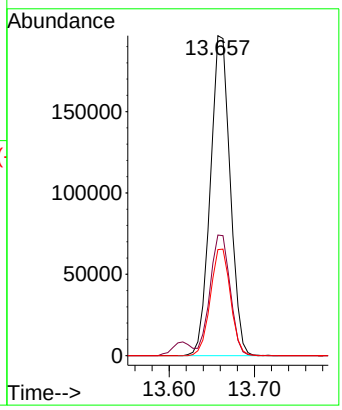




#47
2-Chloronaphthalene
Concen: 42.836 ng
RT: 13.657 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:162 Resp: 31722

Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.3	45.5
164	33.2	26.8	40.2



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BNA_G
ClientSampleId :
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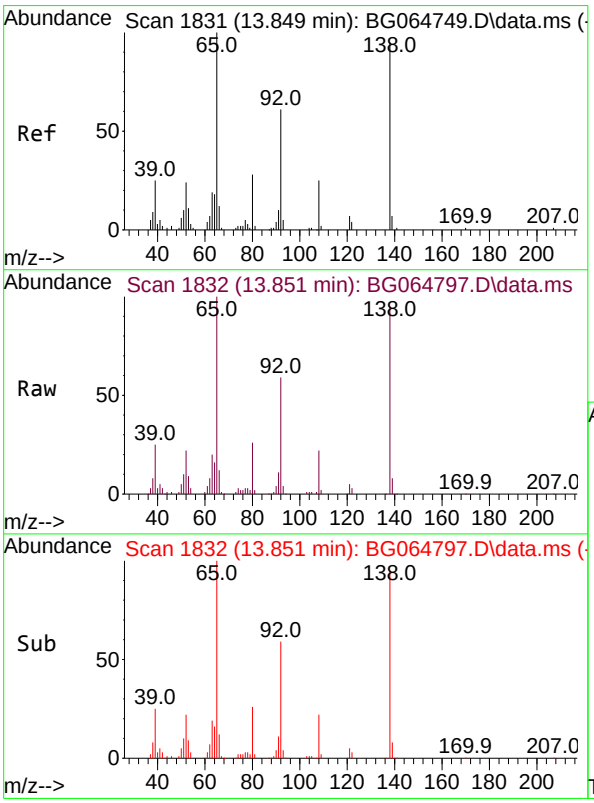
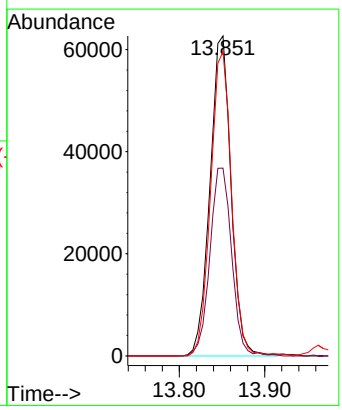
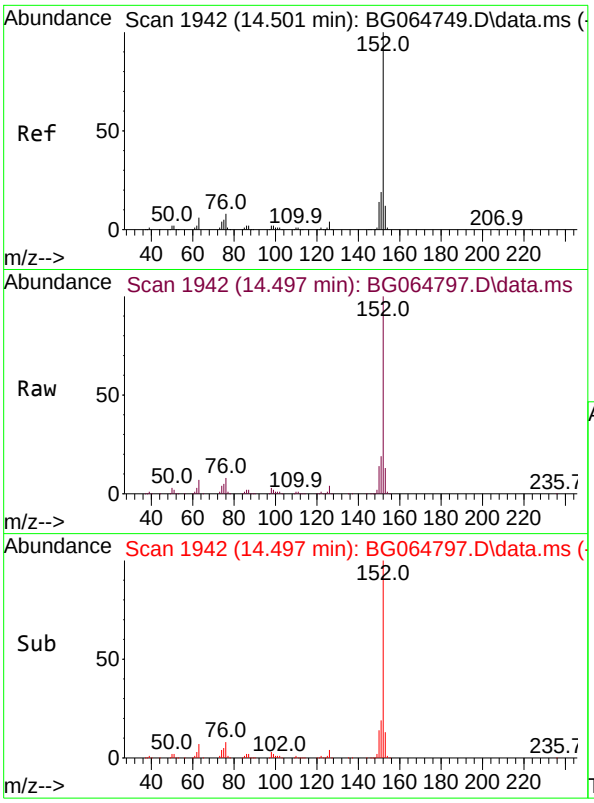


#48
2-Nitroaniline
Concen: 45.087 ng
RT: 13.851 min Scan# 1832
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 65 Resp: 107396

Ion	Ratio	Lower	Upper
65	100		
92	58.7	48.6	73.0
138	95.2	76.4	114.6

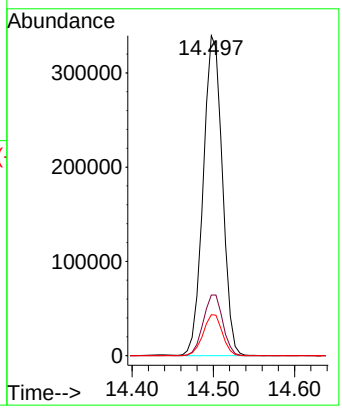




#49
Acenaphthylene
Concen: 43.939 ng
RT: 14.497 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:152 Resp: 55591

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.4
153	12.8	9.9	14.9



Instrument :
BNA_G
ClientSampleId :
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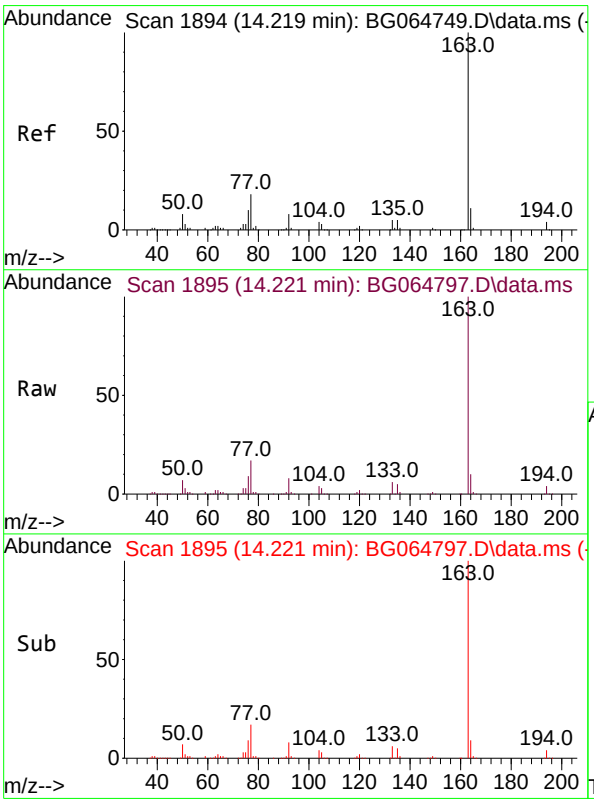
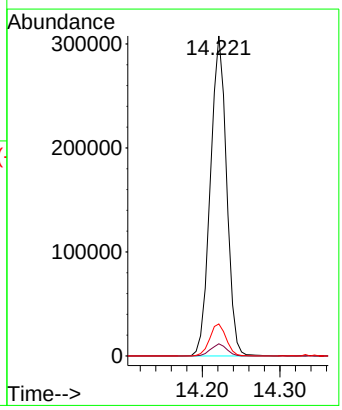
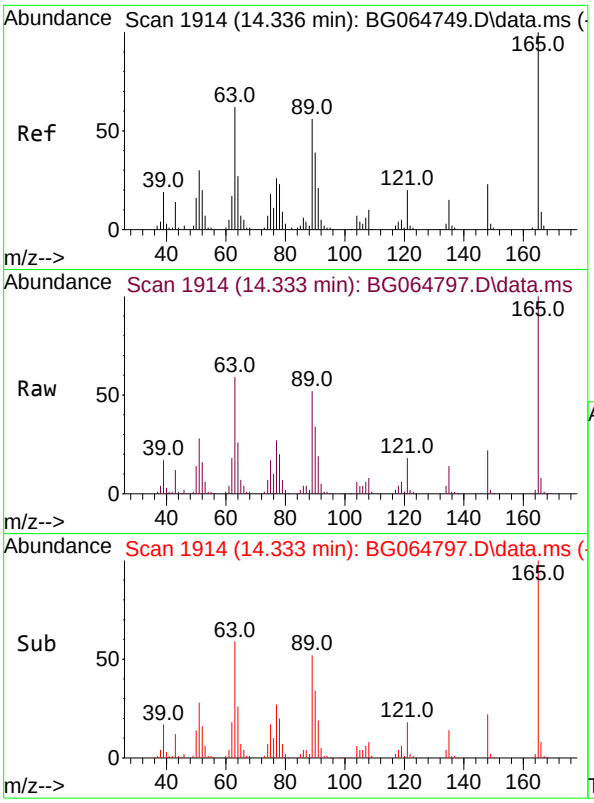


#50
Dimethylphthalate
Concen: 43.129 ng
RT: 14.221 min Scan# 1895
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:163 Resp: 445893

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.0	8.6	12.8

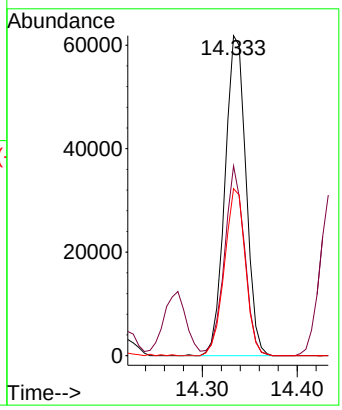




#51
2,6-Dinitrotoluene
Concen: 47.870 ng
RT: 14.333 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:165 Resp: 9523

Ion	Ratio	Lower	Upper
165	100		
63	59.3	49.8	74.8
89	52.2	45.0	67.4



Instrument :
BNA_G
ClientSampleId :
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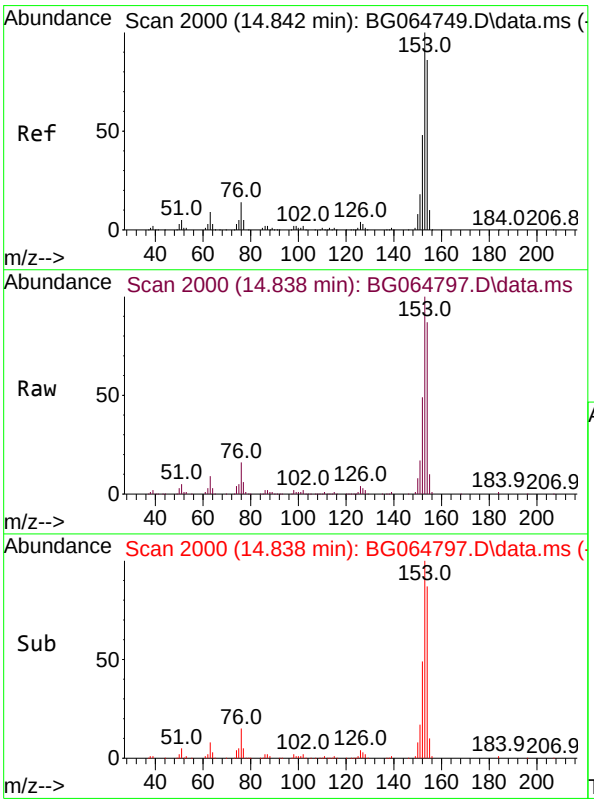
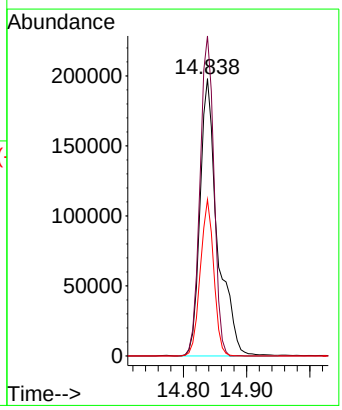
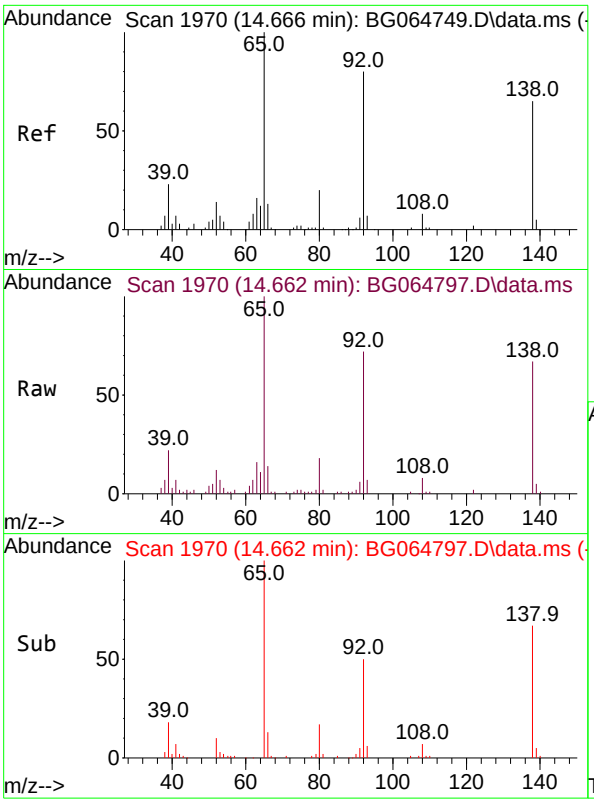


#52
Acenaphthene
Concen: 50.224 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:154 Resp: 380997

Ion	Ratio	Lower	Upper
154	100		
153	115.4	93.0	139.4
152	56.4	44.4	66.6

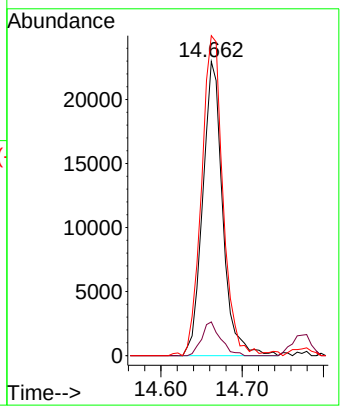




#53
3-Nitroaniline
Concen: 19.950 ng
RT: 14.662 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:138 Resp: 3917

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.5	14.3
92	108.8	99.0	148.4



Instrument :
BNA_G
ClientSampleId :
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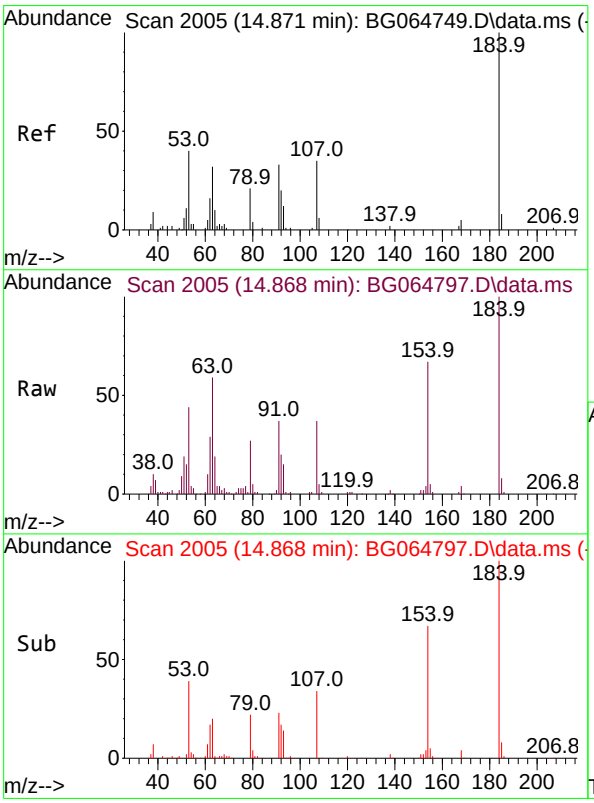
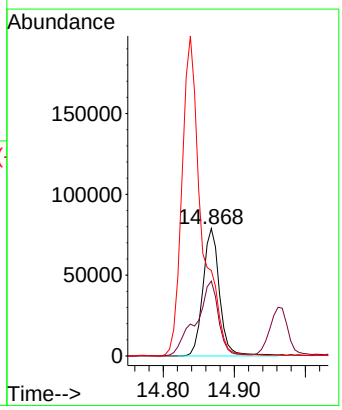
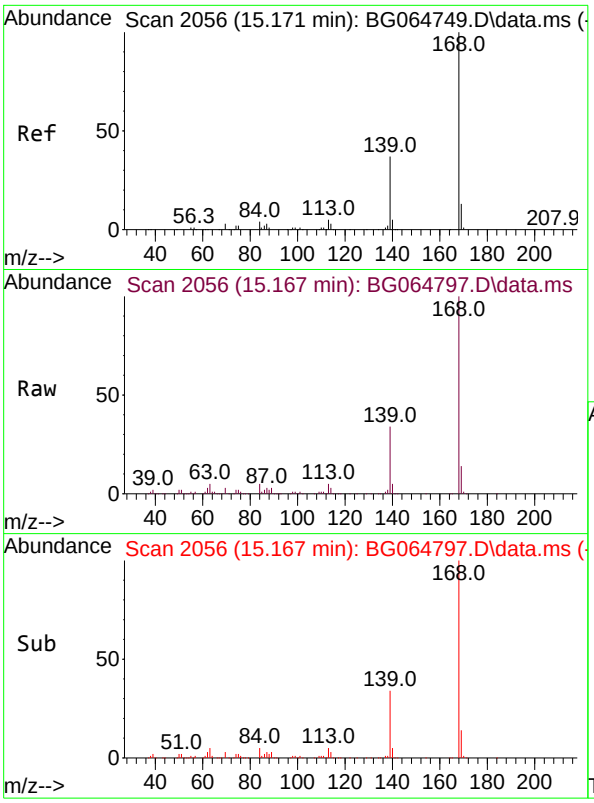


#54
2,4-Dinitrophenol
Concen: 92.027 ng
RT: 14.868 min Scan# 2005
Delta R.T. -0.003 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:184 Resp: 127379

Ion	Ratio	Lower	Upper
184	100		
63	58.8	45.8	68.6
154	67.1	52.6	78.8

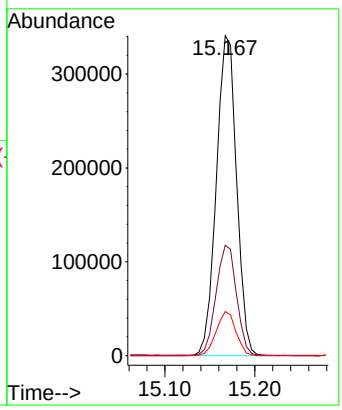




#55
Dibenzofuran
Concen: 42.697 ng
RT: 15.167 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:168 Resp: 53547

Ion	Ratio	Lower	Upper
168	100		
139	34.5	29.5	44.3
169	13.8	10.4	15.6



Instrument :
BNA_G
ClientSampleId :
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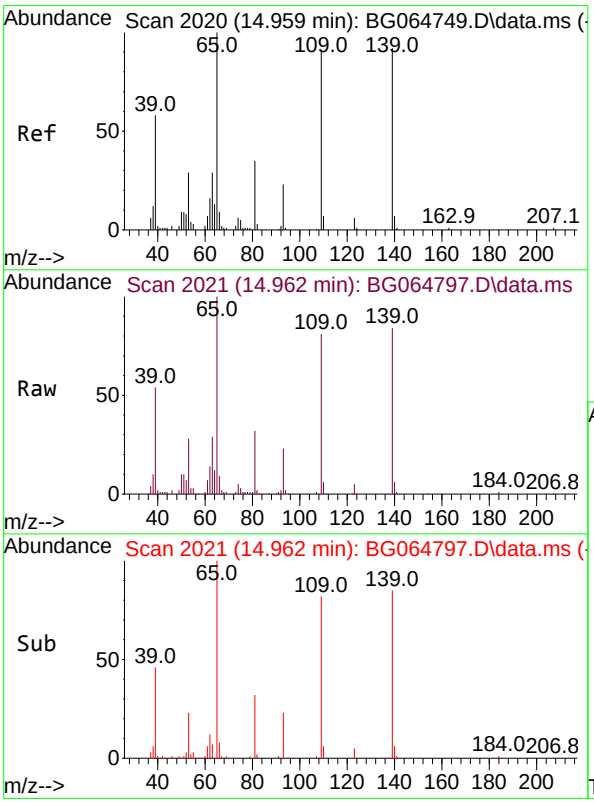
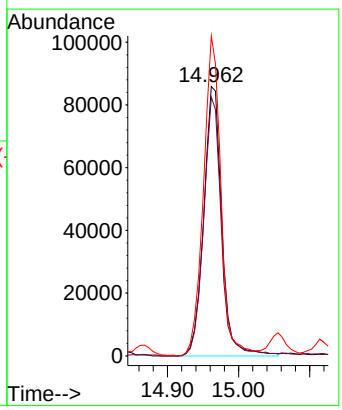
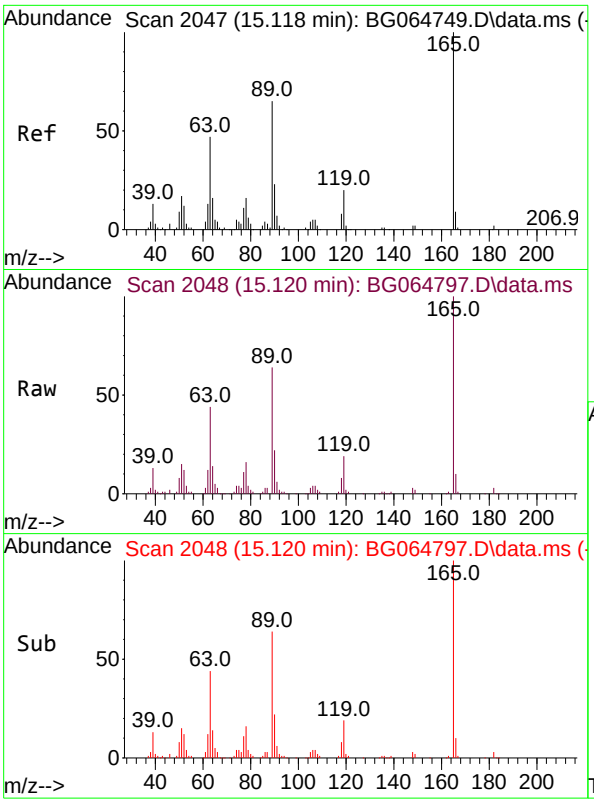


#56
4-Nitrophenol
Concen: 97.051 ng
RT: 14.962 min Scan# 2021
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:139 Resp: 151190

Ion	Ratio	Lower	Upper
139	100		
109	96.1	79.7	119.7
65	118.8	89.9	129.9

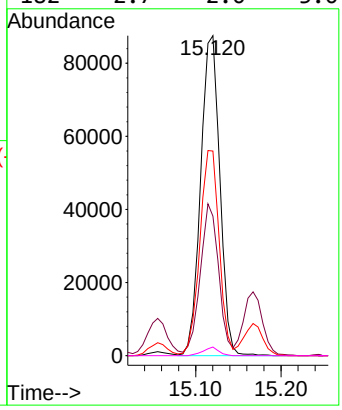




#57
2,4-Dinitrotoluene
Concen: 45.847 ng
RT: 15.120 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:165 Resp: 13673

Ion	Ratio	Lower	Upper
165	100		
63	43.6	37.8	56.6
89	63.9	51.6	77.4
182	2.7	2.0	3.0



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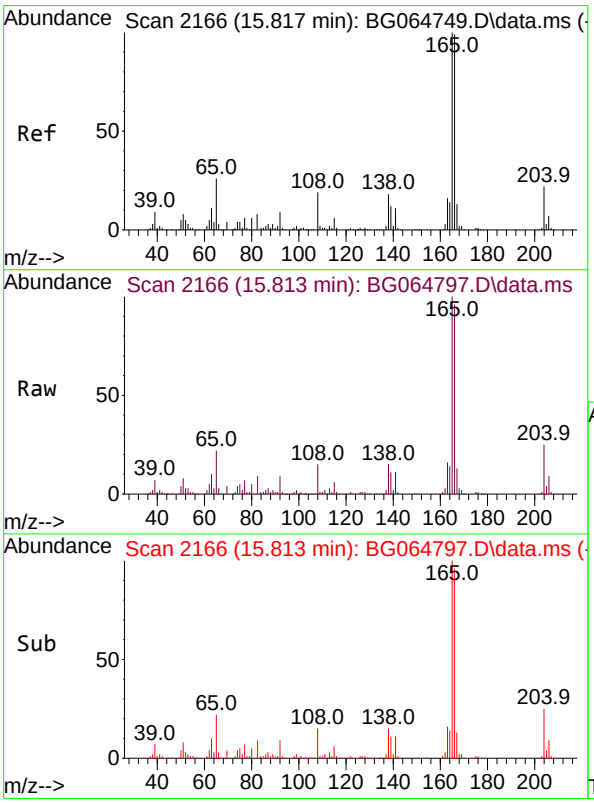
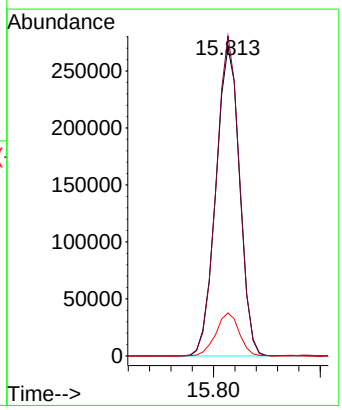
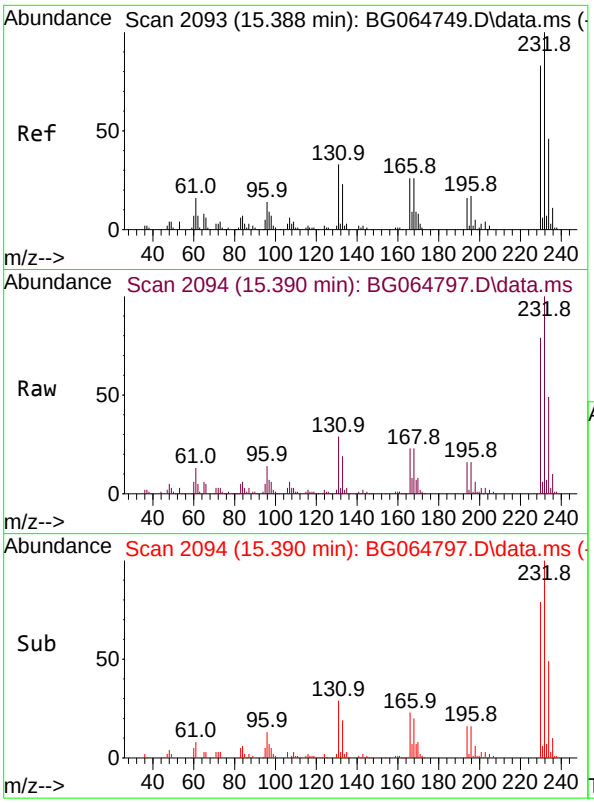


#58
Fluorene
Concen: 42.693 ng
RT: 15.813 min Scan# 2166
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:166 Resp: 419937

Ion	Ratio	Lower	Upper
166	100		
165	103.7	80.5	120.7
167	13.9	10.3	15.5

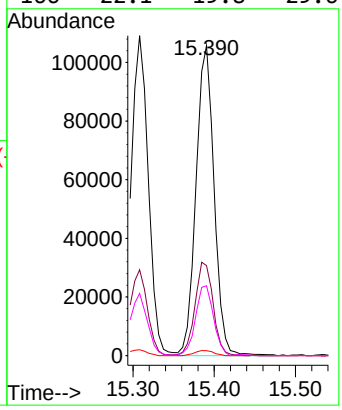




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.368 ng
RT: 15.390 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:232 Resp: 16331

Ion	Ratio	Lower	Upper
232	100		
131	30.2	26.0	39.0
130	1.7	1.6	2.4
166	22.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
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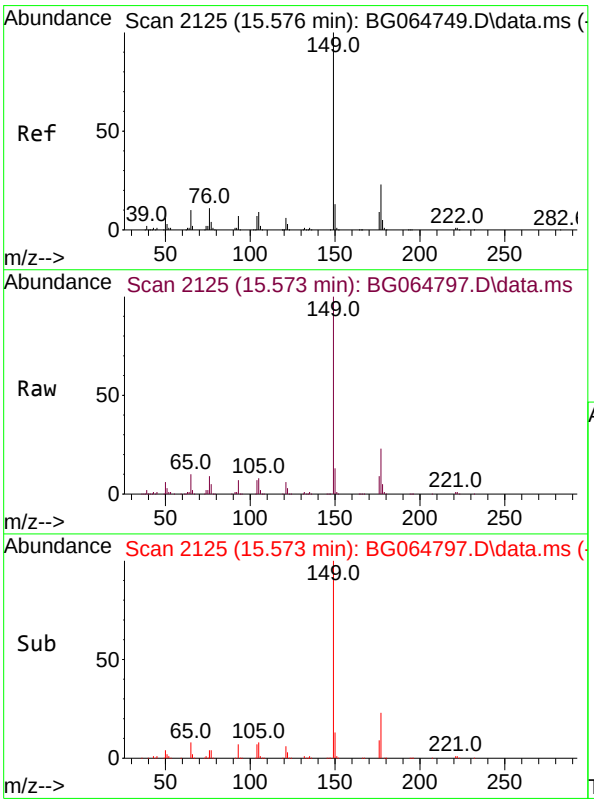
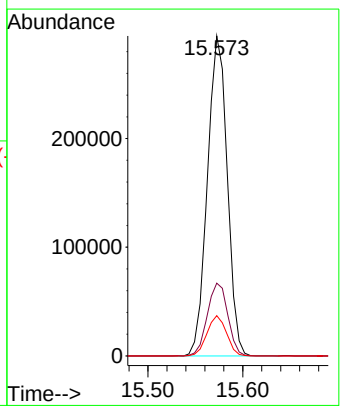
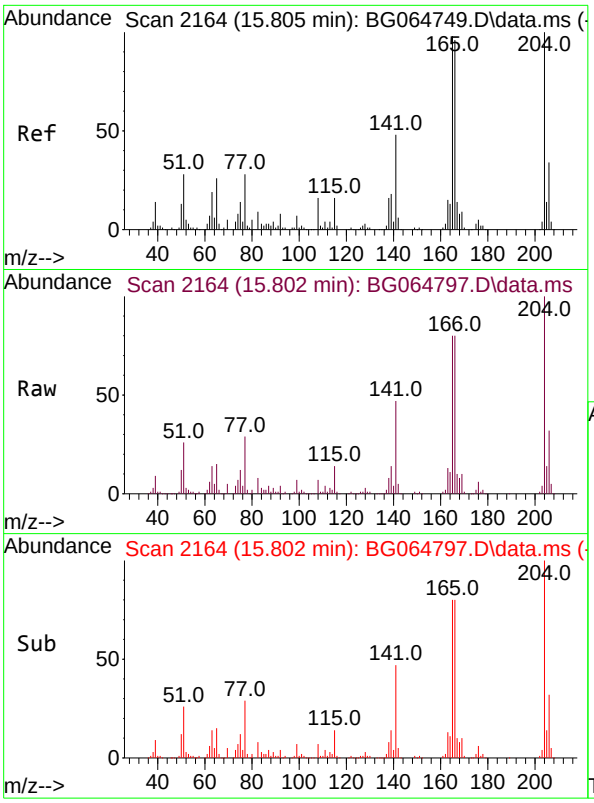


#60
Diethylphthalate
Concen: 43.303 ng
RT: 15.573 min Scan# 2125
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:149 Resp: 428865

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.6	10.1	15.1

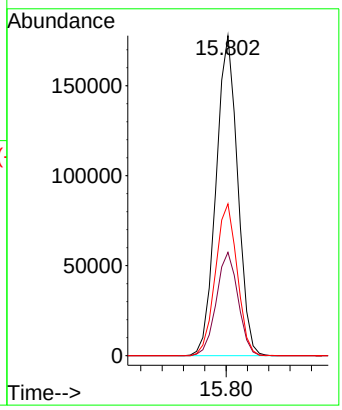




#61
4-Chlorophenyl-phenylether
Concen: 42.369 ng
RT: 15.802 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:204 Resp: 25010

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.9	40.3
141	47.4	38.1	57.1



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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Supervised By :Sohil Jodhani

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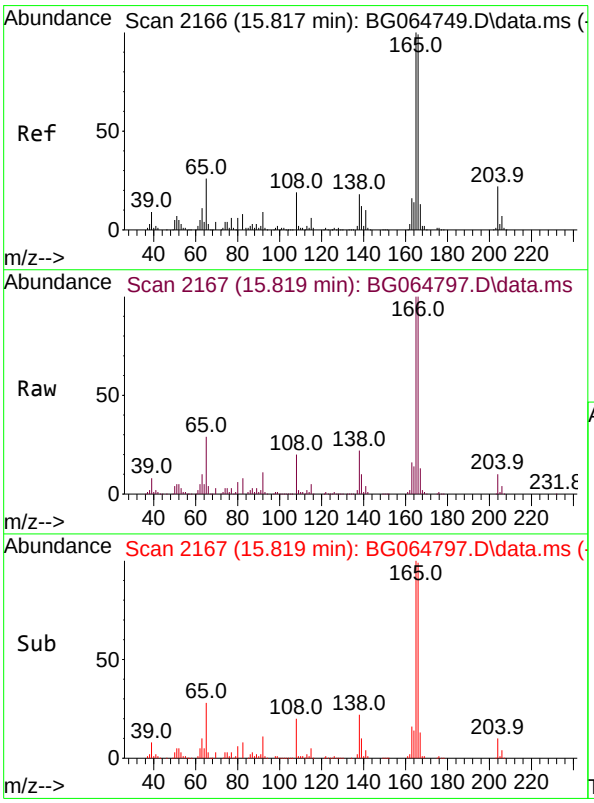
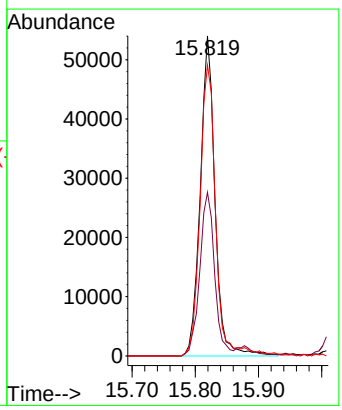
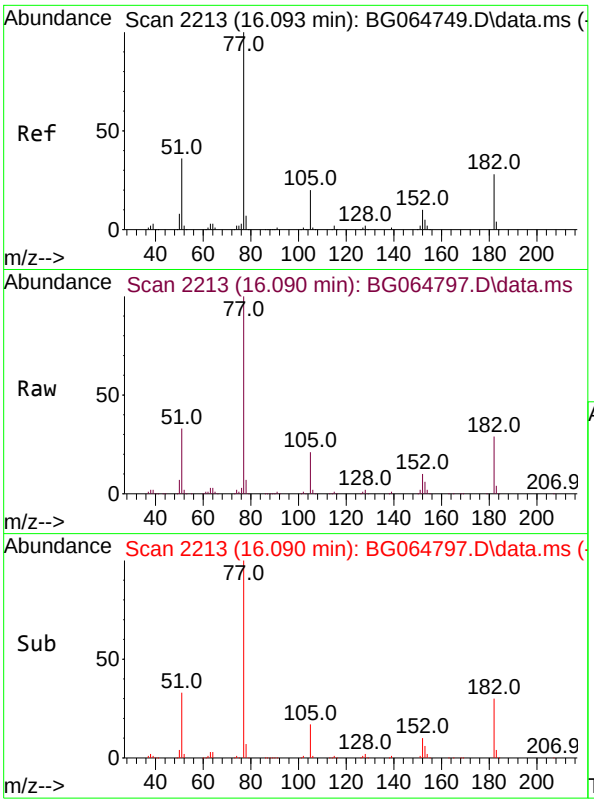


#62
4-Nitroaniline
Concen: 43.104 ng
RT: 15.819 min Scan# 2167
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:138 Resp: 87679

Ion	Ratio	Lower	Upper
138	100		
92	51.1	30.7	70.7
108	90.8	85.7	125.7

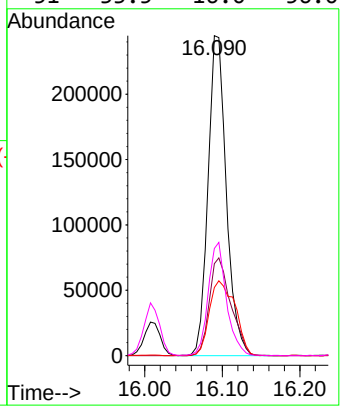




#63
Azobenzene
Concen: 48.715 ng
RT: 16.090 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion: 77 Resp: 401300

Ion	Ratio	Lower	Upper
77	100		
182	28.7	8.1	48.1
105	21.3	0.1	40.1
51	33.5	16.0	56.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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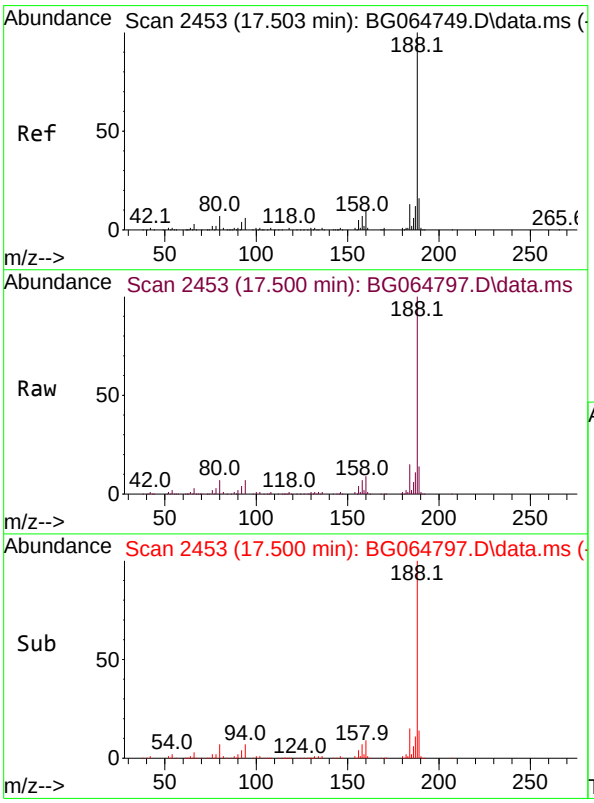
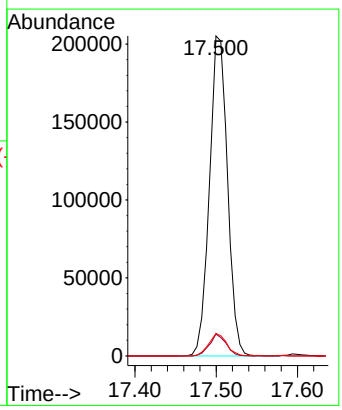
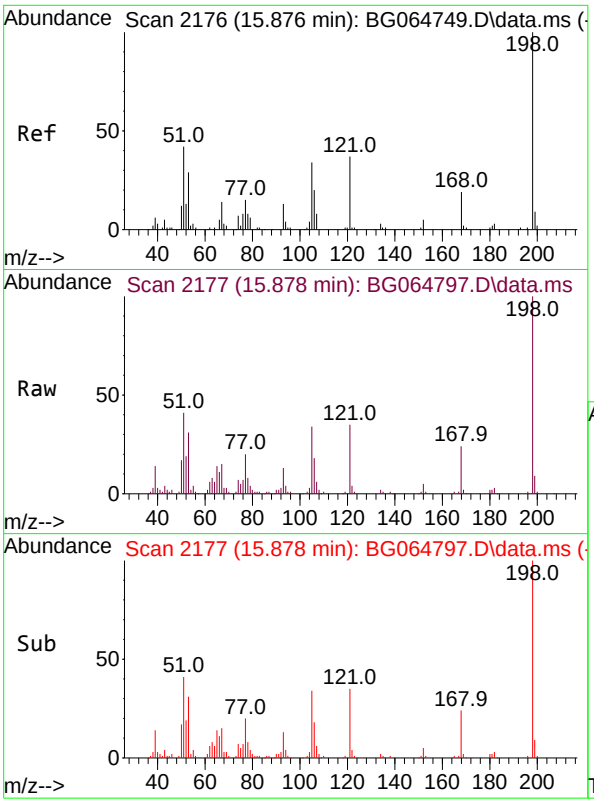


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:188 Resp: 316710

Ion	Ratio	Lower	Upper
188	100		
94	6.8	4.7	7.1
80	7.0	5.4	8.2

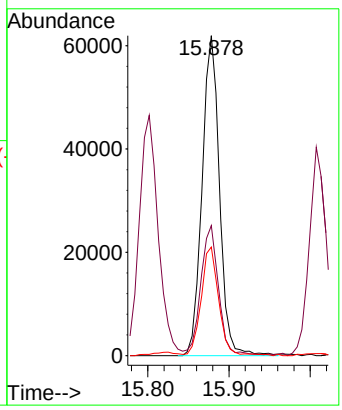




#65
4,6-Dinitro-2-methylphenol
Concen: 52.548 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:198 Resp: 9240

Ion	Ratio	Lower	Upper
198	100		
51	40.6	25.2	65.2
105	33.9	14.2	54.2



Instrument :
BNA_G
ClientSampleId :
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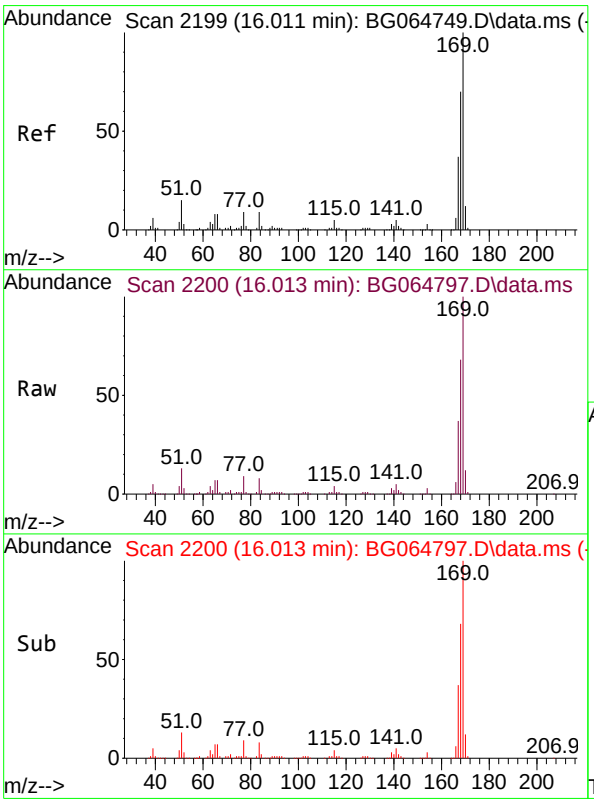
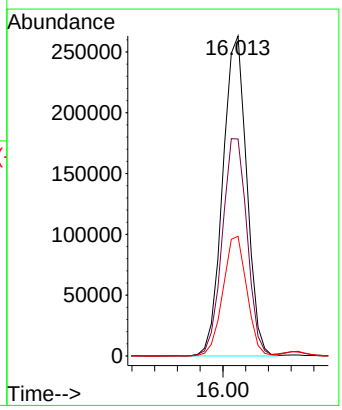
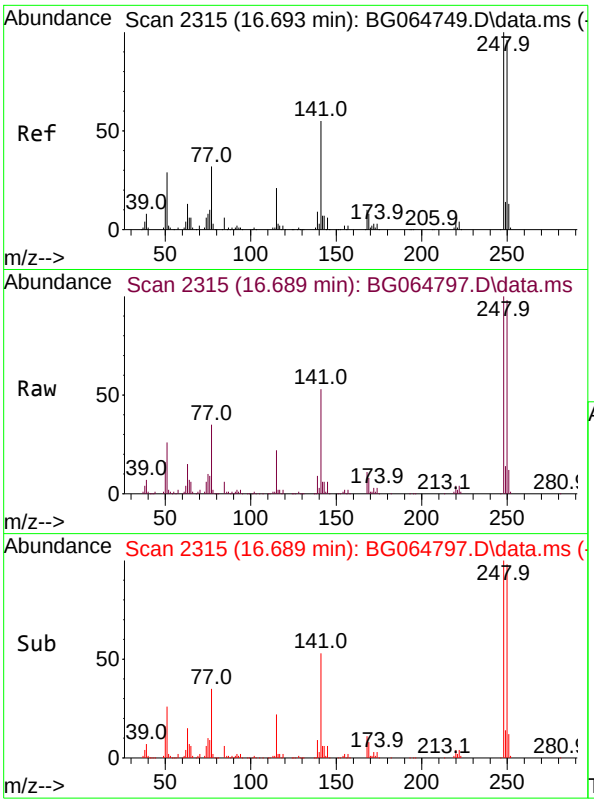


#66
n-Nitrosodiphenylamine
Concen: 46.447 ng
RT: 16.013 min Scan# 2200
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:169 Resp: 385312

Ion	Ratio	Lower	Upper
169	100		
168	67.8	55.9	83.9
167	37.4	29.8	44.6

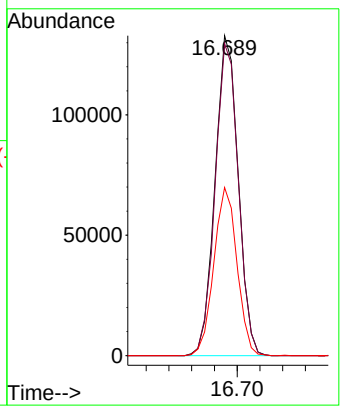




#67
4-Bromophenyl-phenylether
Concen: 45.100 ng
RT: 16.689 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:248 Resp: 18757

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.0	115.6
141	52.5	43.7	65.5



Instrument :
BNA_G
ClientSampleId :
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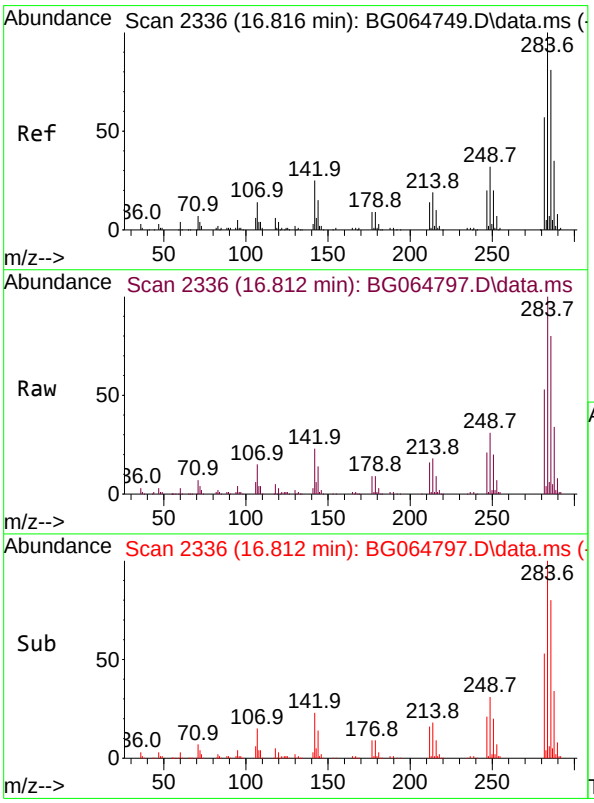
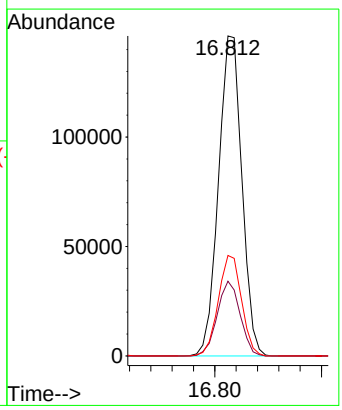
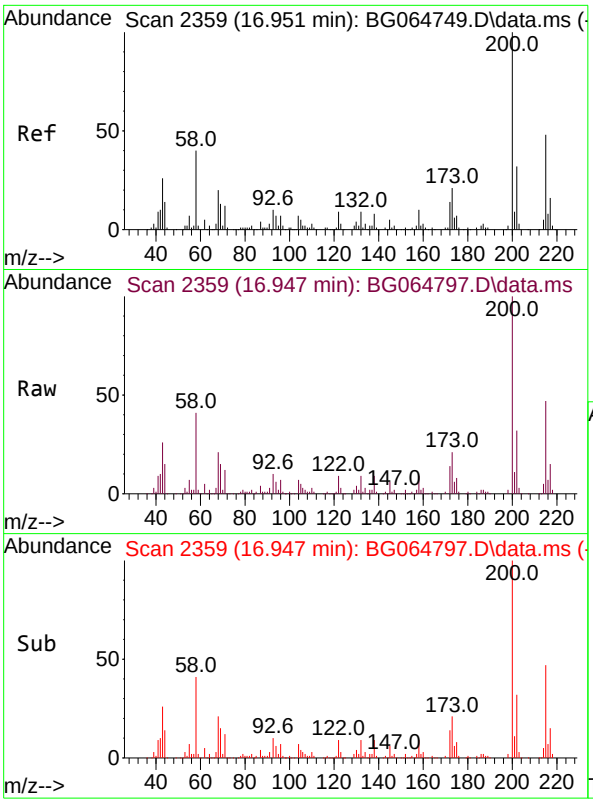


#68
Hexachlorobenzene
Concen: 44.179 ng
RT: 16.812 min Scan# 2336
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:284 Resp: 222617

Ion	Ratio	Lower	Upper
284	100		
142	23.3	19.7	29.5
249	31.4	28.1	42.1

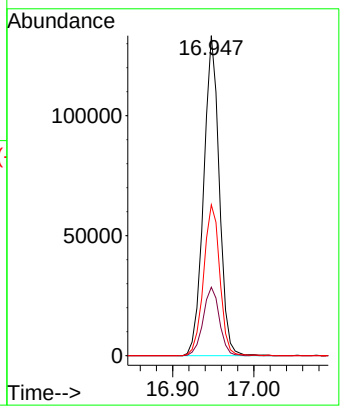




#69
Atrazine
Concen: 44.615 ng
RT: 16.947 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:200 Resp: 17844

Ion	Ratio	Lower	Upper
200	100		
173	21.4	0.9	40.9
215	47.1	27.5	67.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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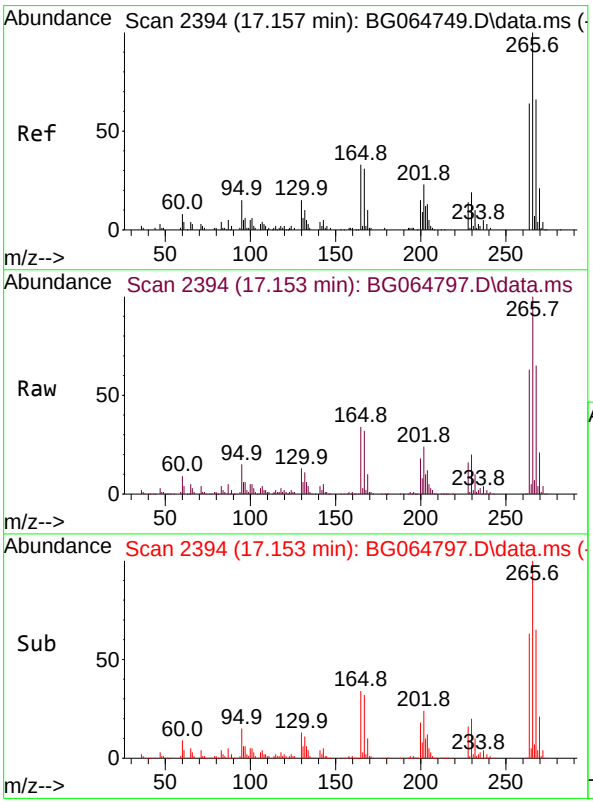
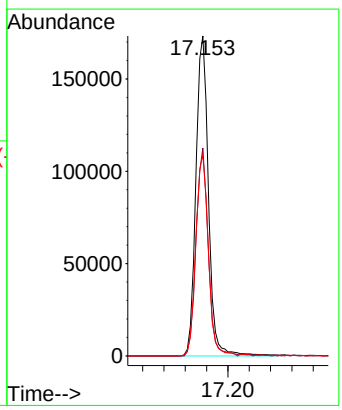
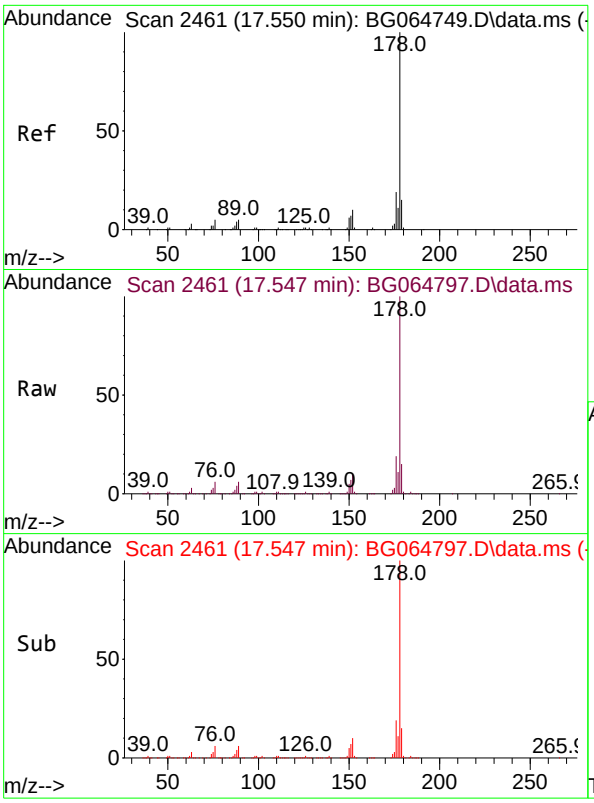


#70
Pentachlorophenol
Concen: 93.741 ng
RT: 17.153 min Scan# 2394
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:266 Resp: 282935

Ion	Ratio	Lower	Upper
266	100		
268	69.5	56.1	84.1
264	62.8	51.2	76.8

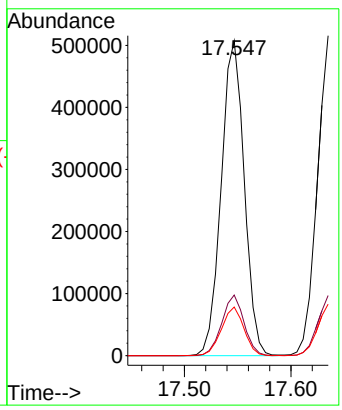




#71
Phenanthrene
Concen: 43.985 ng
RT: 17.547 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:178 Resp: 76218

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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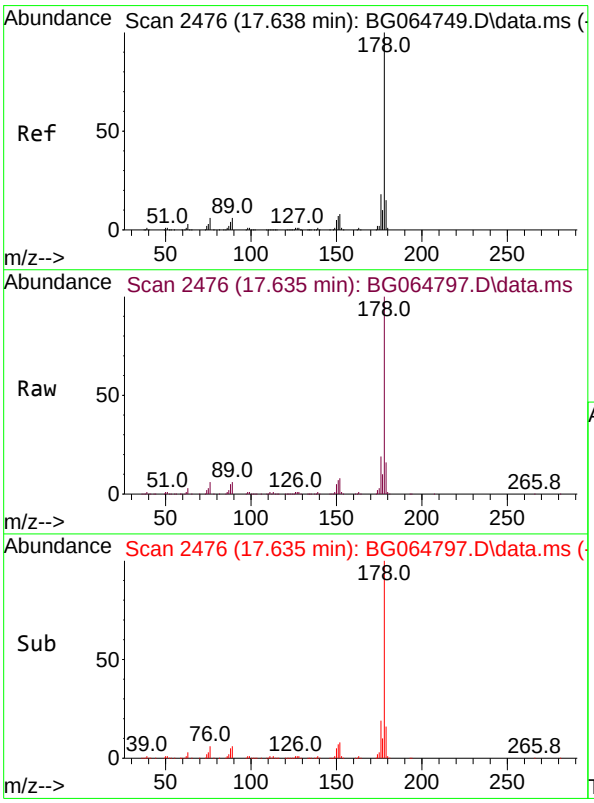
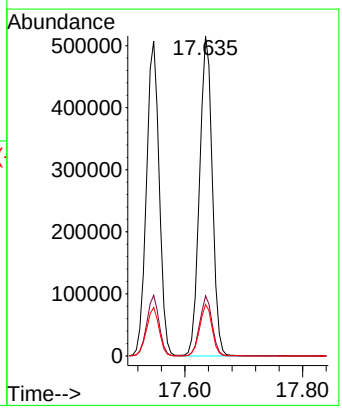
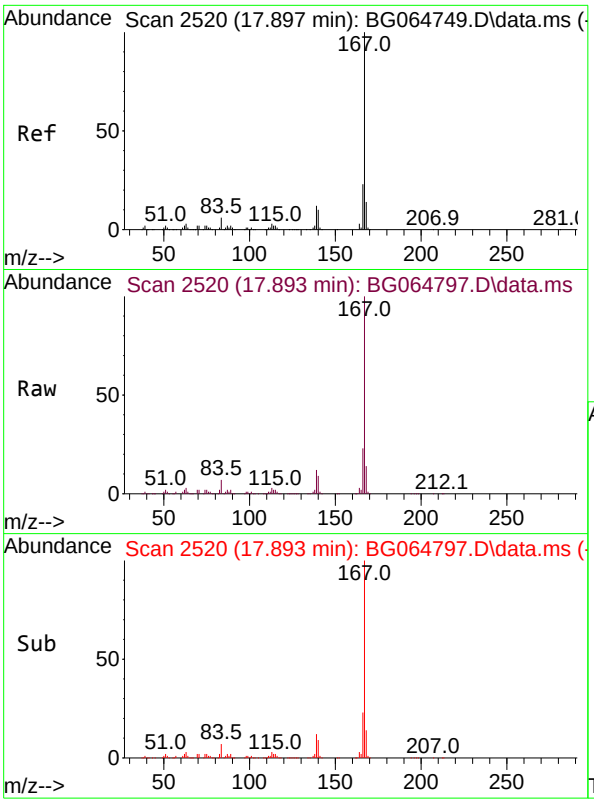


#72
Anthracene
Concen: 43.846 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:178 Resp: 774717

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.5	21.7
179	16.1	12.2	18.4

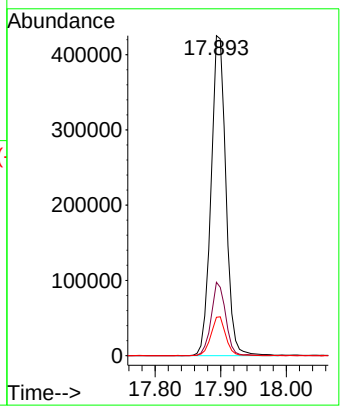




#73
Carbazole
Concen: 44.034 ng
RT: 17.893 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:167 Resp: 66885

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	12.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
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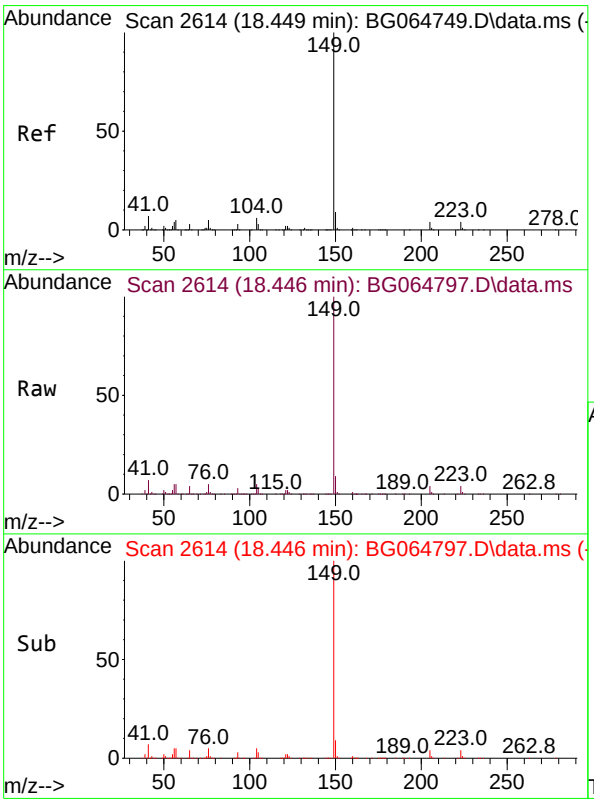
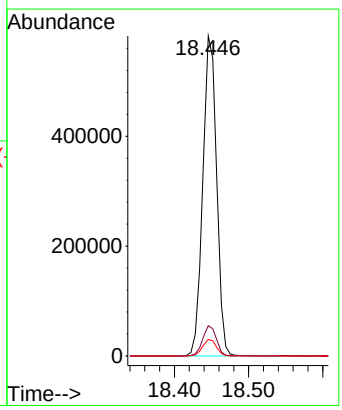
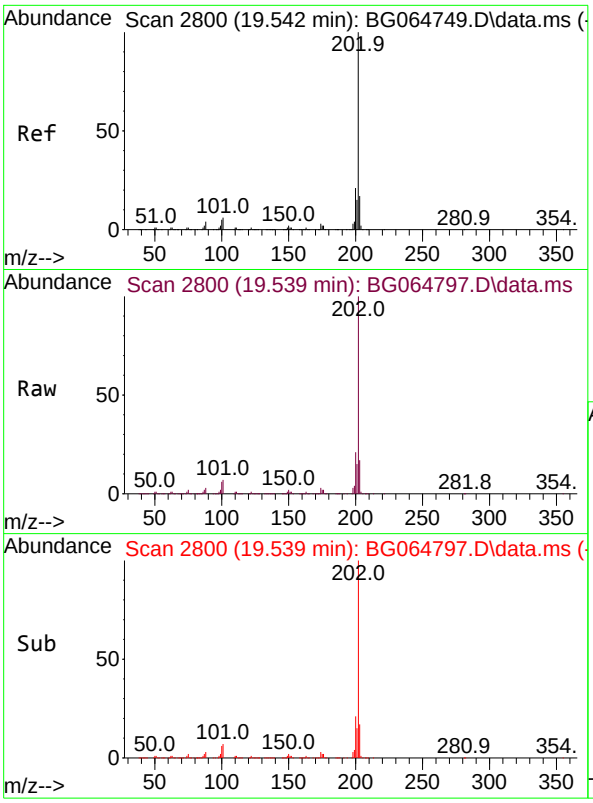


#74
Di-n-butylphthalate
Concen: 44.454 ng
RT: 18.446 min Scan# 2614
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:149 Resp: 753338

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.1	4.4	6.6

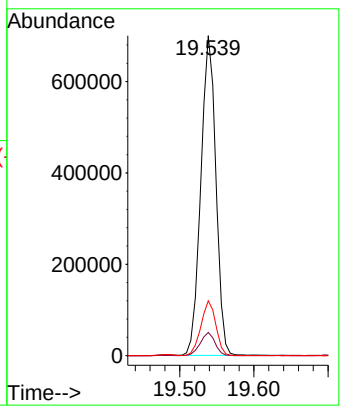




#75
Fluoranthene
Concen: 41.618 ng
RT: 19.539 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:202 Resp: 98616

Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	26.4
203	17.1	0.0	37.5



Instrument :
BNA_G
ClientSampleId :
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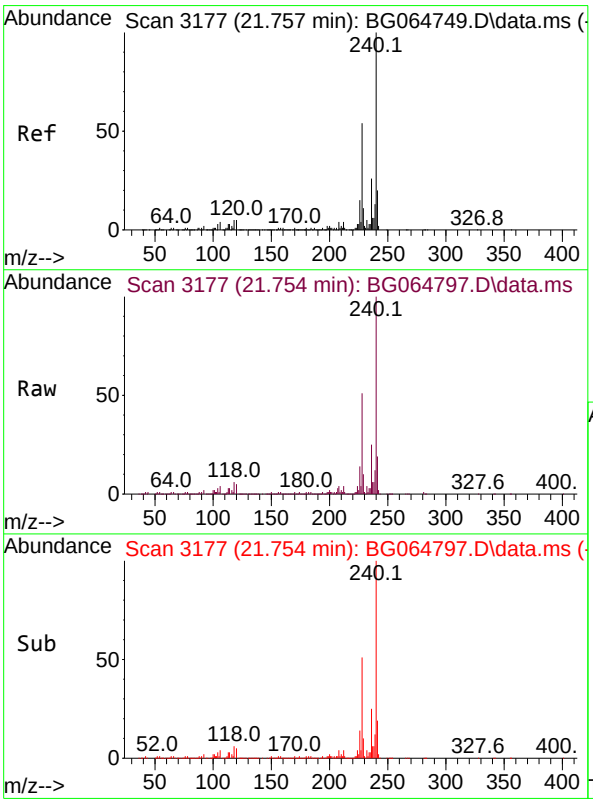
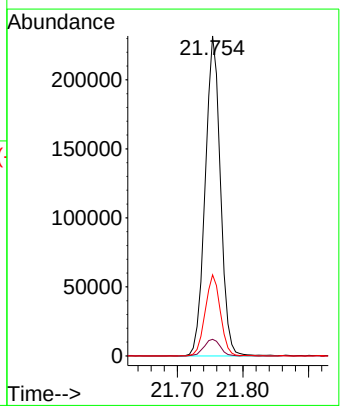
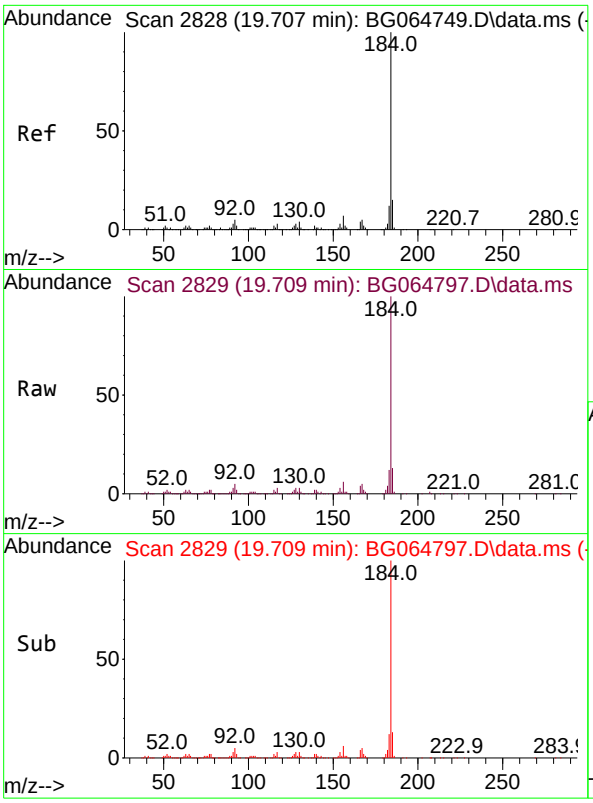


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.754 min Scan# 3177
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:240 Resp: 371983

Ion	Ratio	Lower	Upper
240	100		
120	5.2	4.2	6.4
236	25.3	20.8	31.2

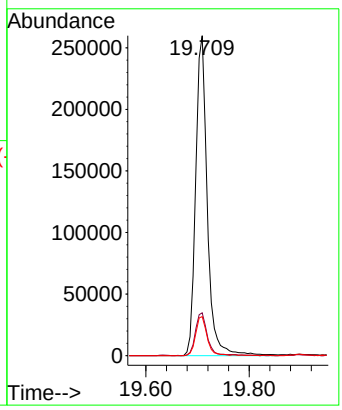




#77
Benzidine
Concen: 36.305 ng
RT: 19.709 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:184 Resp: 40444

Ion	Ratio	Lower	Upper
184	100		
185	13.4	11.8	17.6
183	12.2	9.8	14.6



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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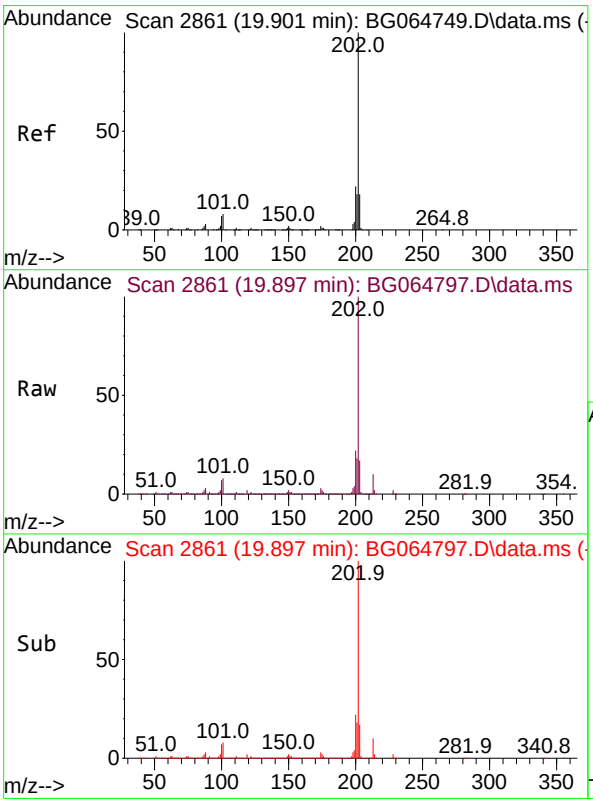
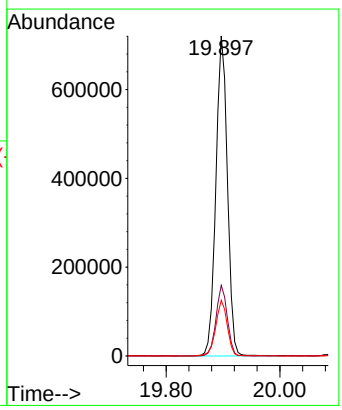
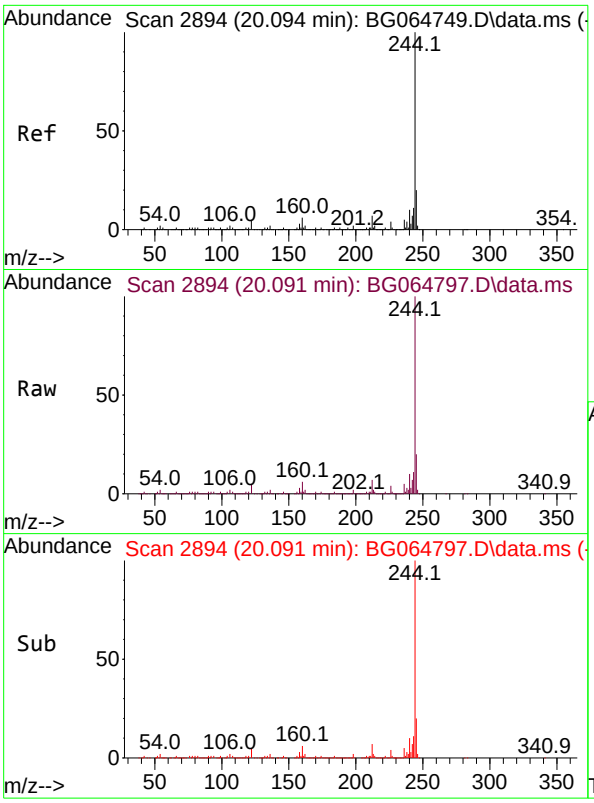


#78
Pyrene
Concen: 48.720 ng
RT: 19.897 min Scan# 2861
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:202 Resp: 1015709

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	17.3	14.0	21.0

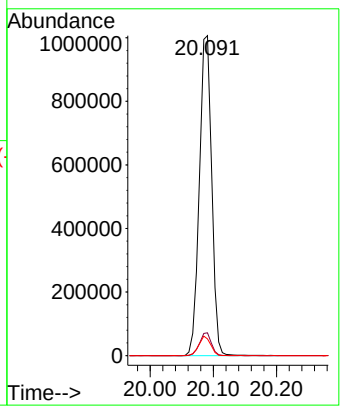




#79
Terphenyl-d14
Concen: 72.160 ng
RT: 20.091 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:244 Resp: 136457

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	5.2	4.3	6.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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Supervised By :Sohil Jodhani

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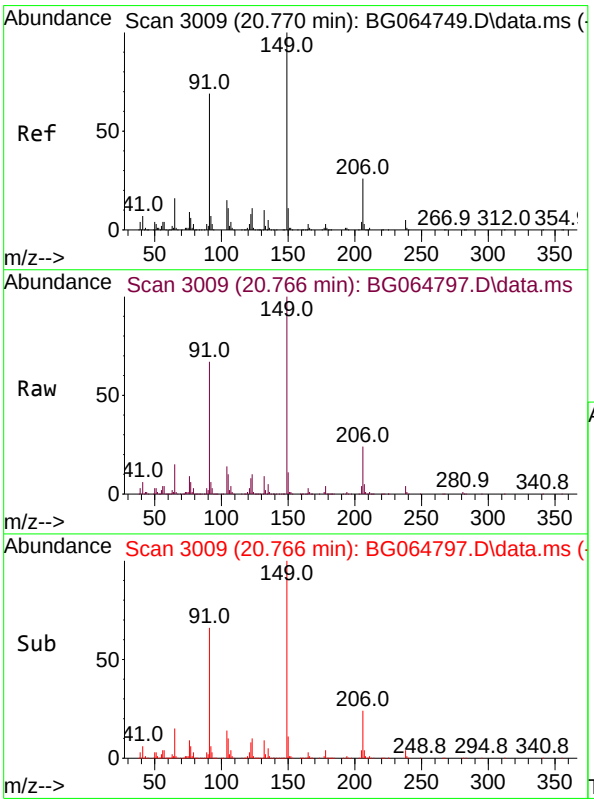
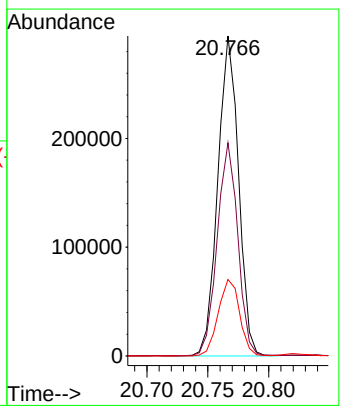
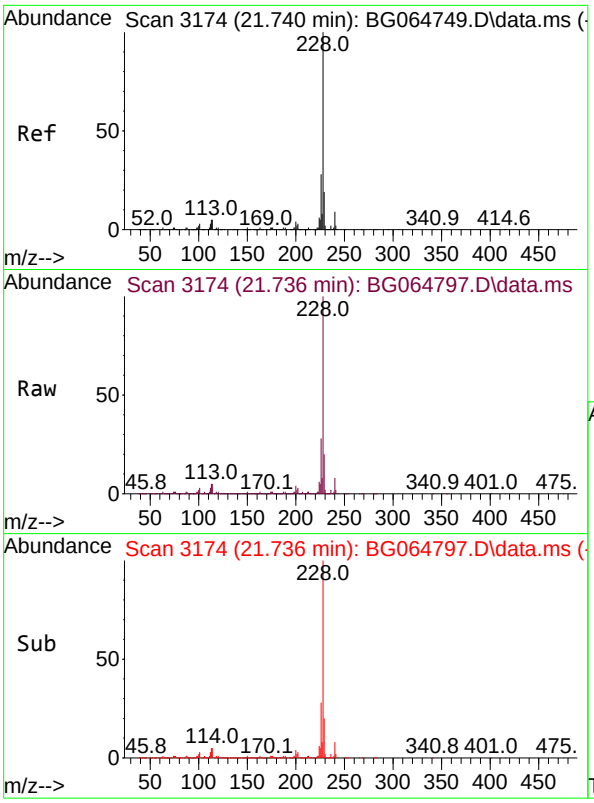


#80
Butylbenzylphthalate
Concen: 47.447 ng
RT: 20.766 min Scan# 3009
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:149 Resp: 347928

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.9	82.3
206	23.9	21.2	31.8

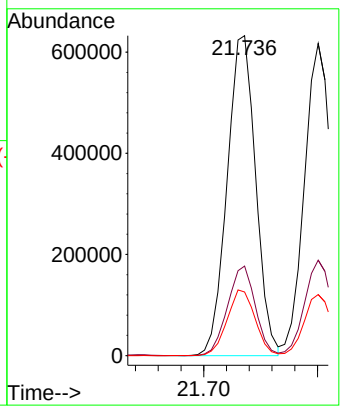




#81
Benzo(a)anthracene
Concen: 43.623 ng
RT: 21.736 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:228 Resp: 110336

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	19.9	15.5	23.3



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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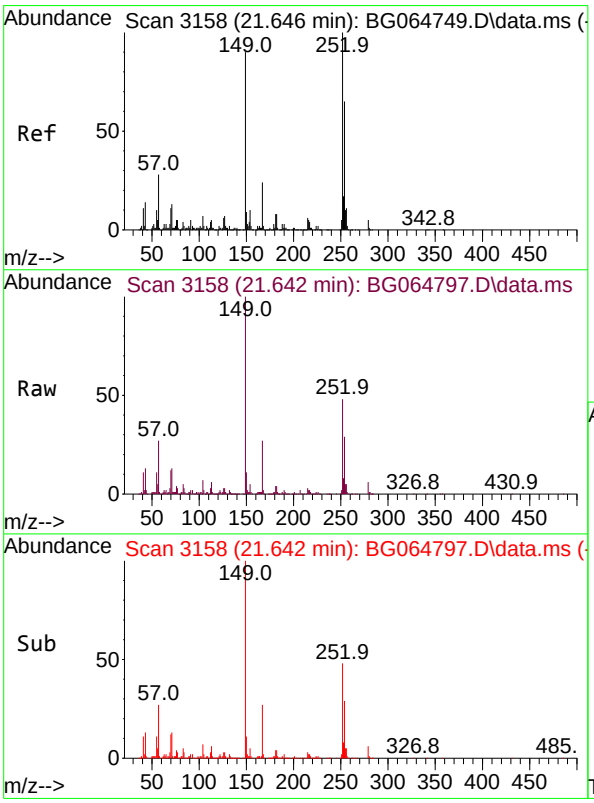
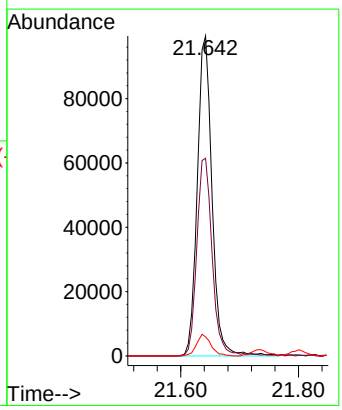
11/18/2025

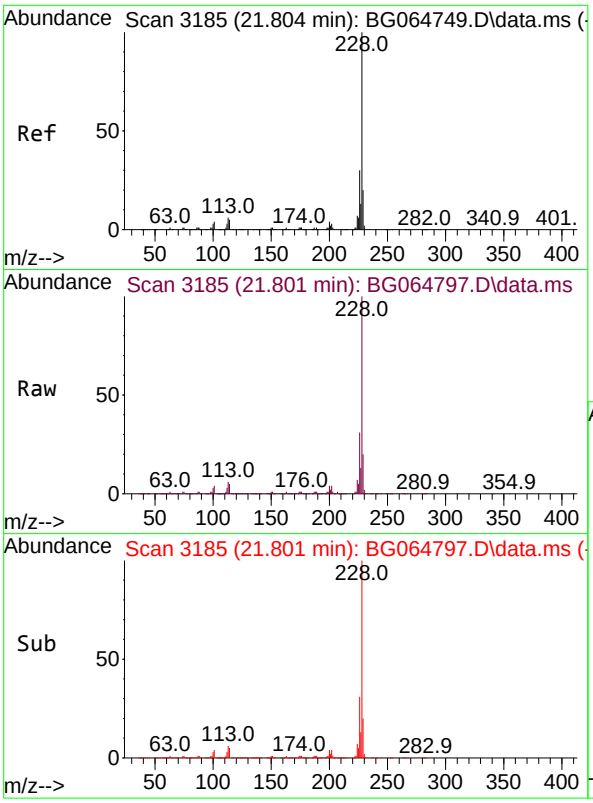


#82
3,3'-Dichlorobenzidine
Concen: 18.538 ng
RT: 21.642 min Scan# 3158
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:252 Resp: 172582

Ion	Ratio	Lower	Upper
252	100		
254	61.8	51.8	77.8
126	5.9	4.7	7.1

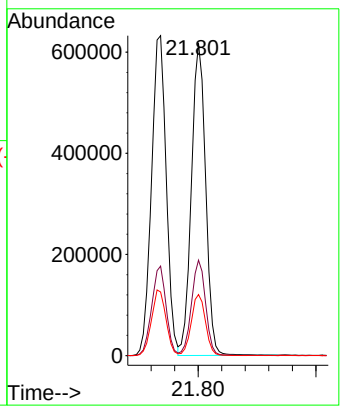




#83
Chrysene
Concen: 43.425 ng
RT: 21.801 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:228 Resp: 103552

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	19.6	16.0	24.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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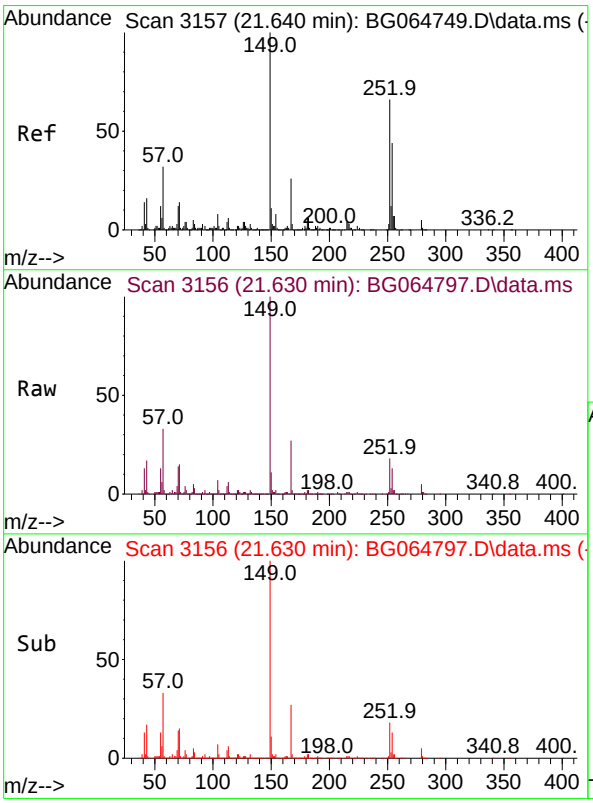
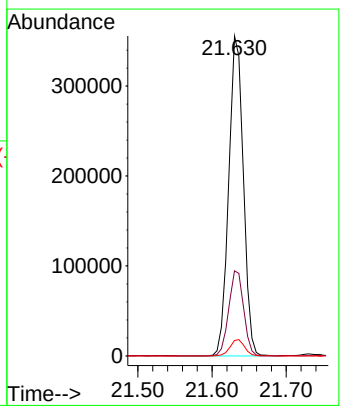
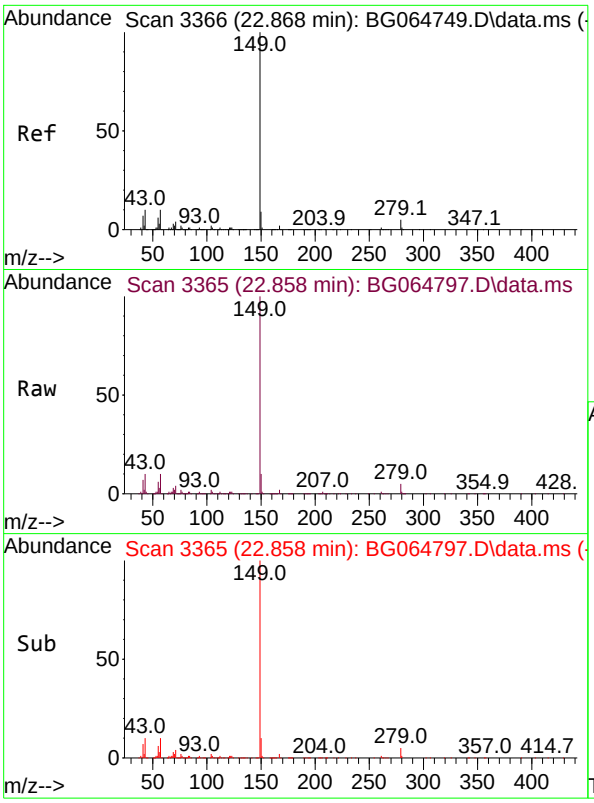


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.593 ng
RT: 21.630 min Scan# 3156
Delta R.T. -0.009 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:149 Resp: 488553

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.4
279	4.8	4.1	6.1

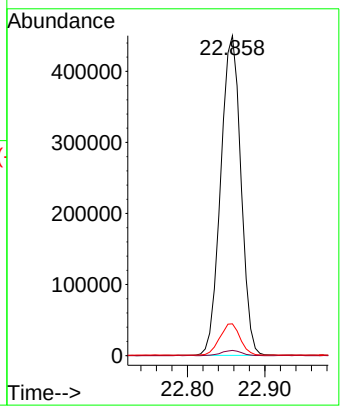




#85
Di-n-octyl phthalate
Concen: 44.047 ng
RT: 22.858 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:149 Resp: 81586

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.8	8.3	12.5



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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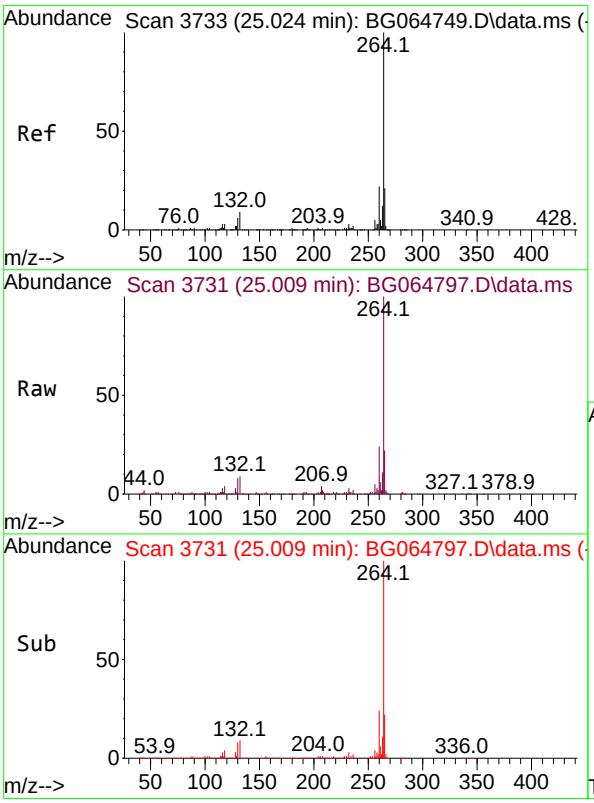
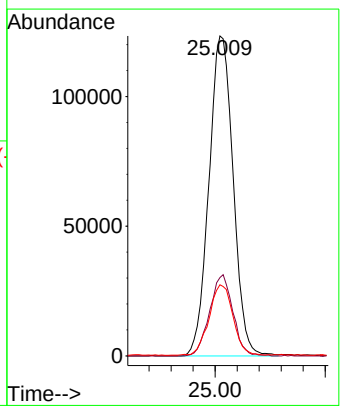
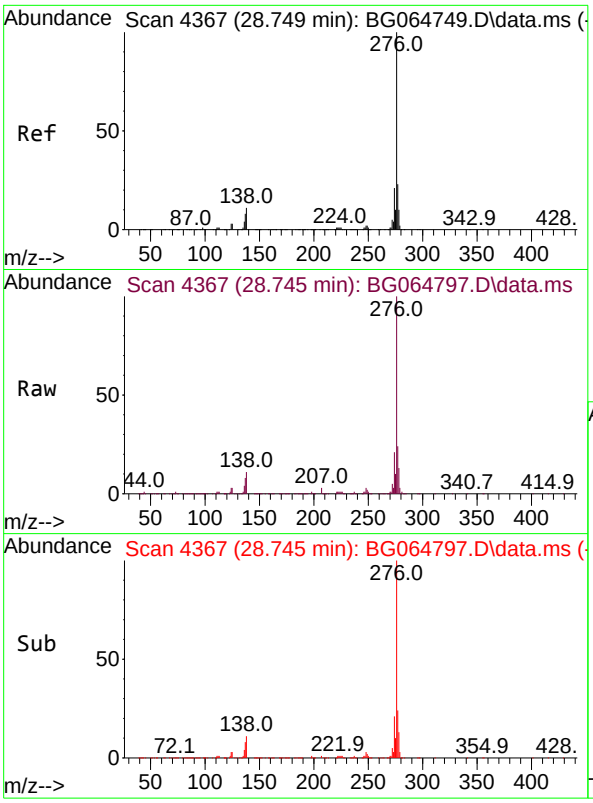


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3731
Delta R.T. -0.015 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:264 Resp: 376972

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.2	25.8
265	22.2	16.6	25.0

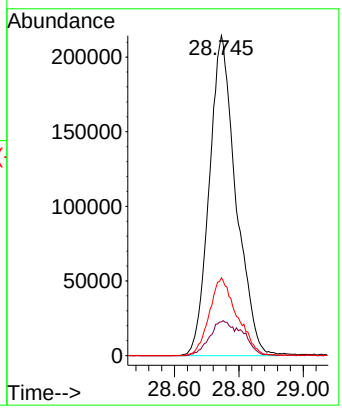




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.547 ng
RT: 28.745 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:276 Resp: 123143

Ion	Ratio	Lower	Upper
276	100		
138	9.2	4.5	6.7
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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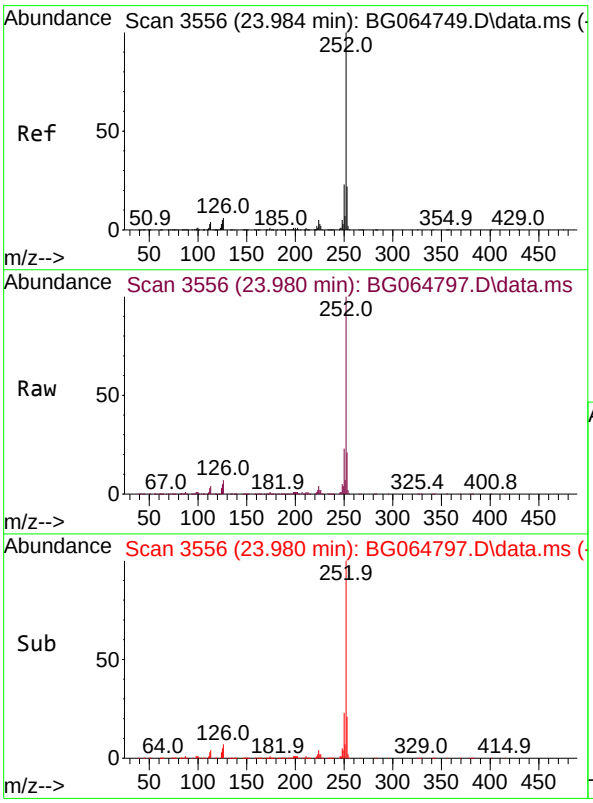
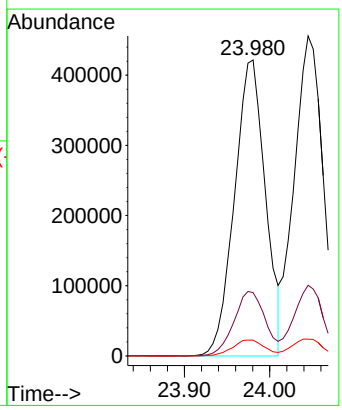
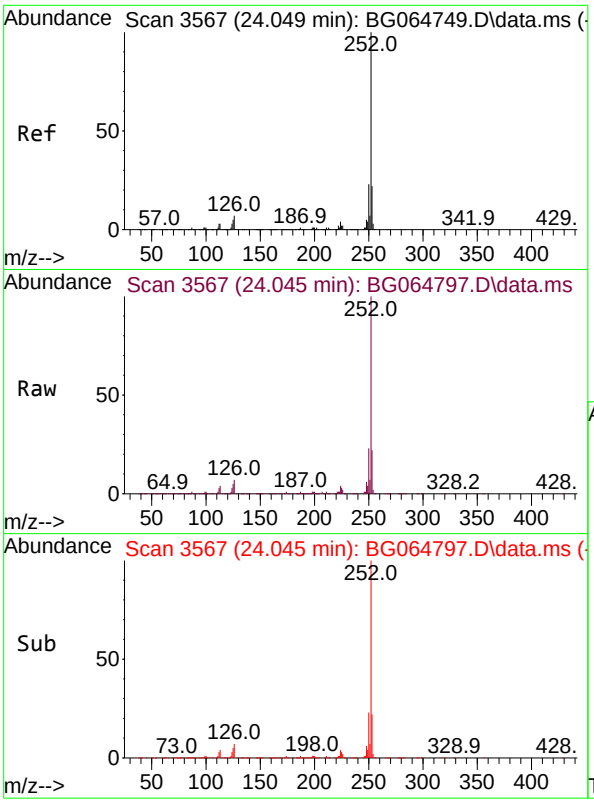


#88
Benzo(b)fluoranthene
Concen: 44.280 ng
RT: 23.980 min Scan# 3556
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:252 Resp: 1062278

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	5.4	4.2	6.2

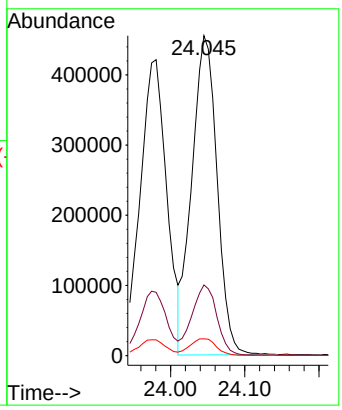




#89
Benzo(k)fluoranthene
Concen: 44.736 ng
RT: 24.045 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:252 Resp: 107819

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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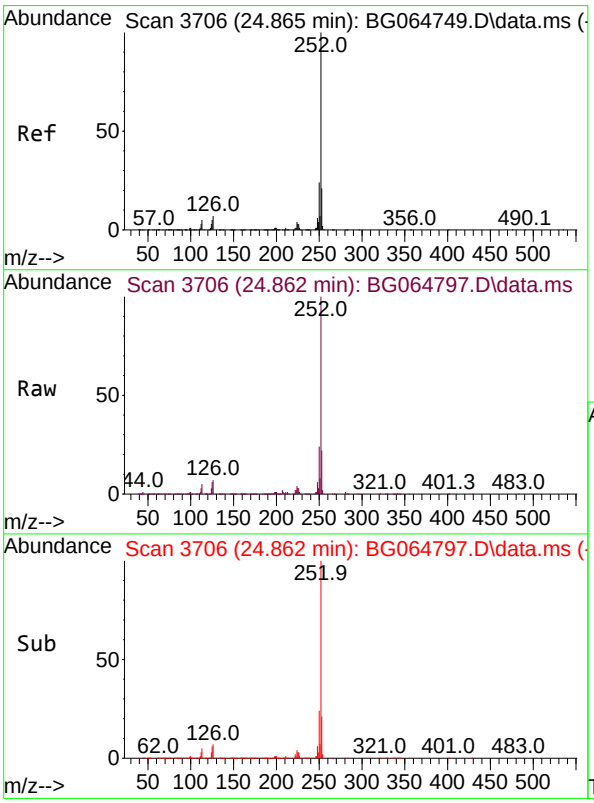
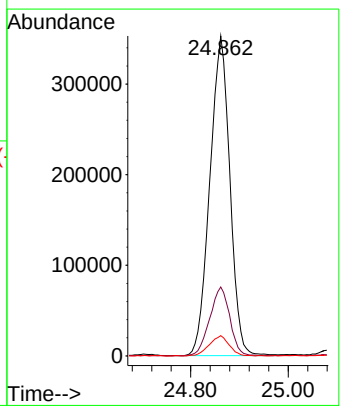
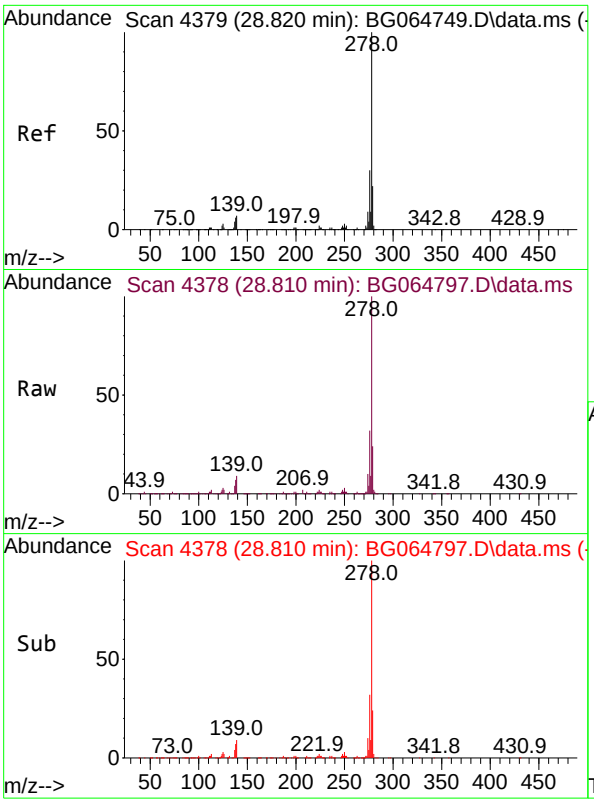


#90
Benzo(a)pyrene
Concen: 45.279 ng
RT: 24.862 min Scan# 3706
Delta R.T. -0.004 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:252 Resp: 1007629

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.9	25.3
125	6.3	4.2	6.4

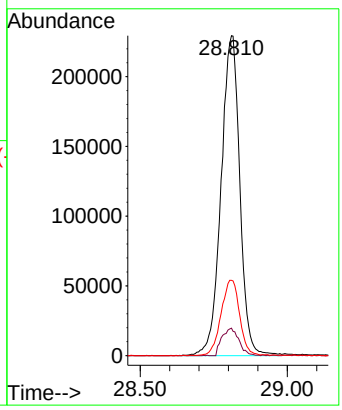




#91
Dibenzo(a,h)anthracene
Concen: 47.842 ng
RT: 28.810 min Scan# 4
Delta R.T. -0.009 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:278 Resp: 101506

Ion	Ratio	Lower	Upper
278	100		
139	8.6	5.8	8.8
279	23.5	17.3	25.9



Instrument :
BNA_G
ClientSampleId :
B3-0.0-0.5-20251114MSD

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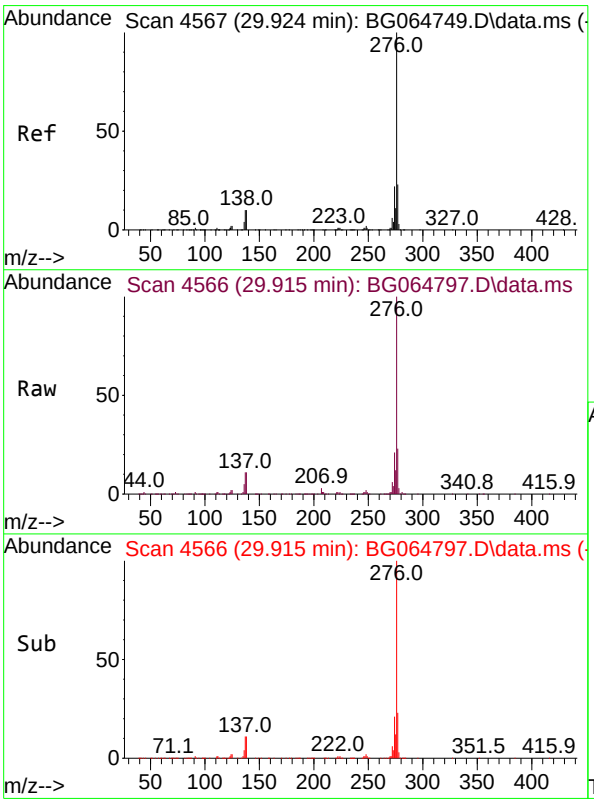
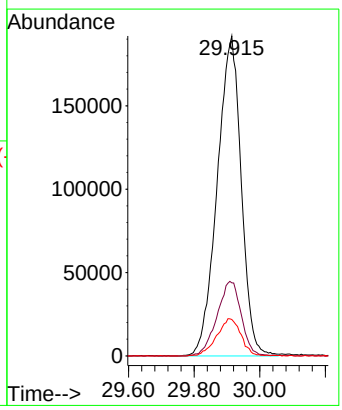


#92
Benzo(g,h,i)perylene
Concen: 47.739 ng
RT: 29.915 min Scan# 4566
Delta R.T. -0.009 min
Lab File: BG064797.D
Acq: 17 Nov 2025 23:31

Tgt Ion:276 Resp: 974807

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.0	27.0
138	11.4	8.2	12.2



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Manual Integration Report

Sequence:	BF110525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF144170.D	Benzo(b)fluoranthene	rahul	11/6/2025 8:43:08 AM	Jagrut	11/6/2025 10:21:01 AM	Peak Integrated by Software
SSTDICV040	BF144177.D	Benzoic acid	rahul	11/6/2025 8:43:11 AM	Jagrut	11/6/2025 10:21:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF111725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF144263.D	Acenaphthene	Jagrut	11/18/2025 11:28:45 AM	Sohil	11/18/2025 3:23:14 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Acenaphthene	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
PB170576BS	BF144265.D	Caprolactam	Jagrut	11/18/2025 11:28:47 AM	Sohil	11/18/2025 3:23:18 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(b)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software
Q3649-03	BF144272.D	Benzo(k)fluoranthene	Jagrut	11/18/2025 11:29:07 AM	Sohil	11/18/2025 3:24:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064746.D	1,3-Dichlorobenzene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC005	BG064746.D	2-Methylnaphthalene	Jagrut	11/14/2025 11:30:36 AM	Sohil	11/14/2025 12:23:02 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	1-Methylnaphthalene	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC010	BG064747.D	Benzoic acid	Jagrut	11/14/2025 11:30:38 AM	Sohil	11/14/2025 12:23:04 PM	Peak Integrated by Software
SSTDICC020	BG064748.D	Benzoic acid	Jagrut	11/14/2025 11:30:41 AM	Sohil	11/14/2025 12:23:06 PM	Peak Integrated by Software
SSTDICCC040	BG064749.D	Benzoic acid	Jagrut	11/14/2025 11:30:43 AM	Sohil	11/14/2025 12:23:08 PM	Peak Integrated by Software
SSTDICC050	BG064750.D	Benzoic acid	Jagrut	11/14/2025 11:30:45 AM	Sohil	11/14/2025 12:23:10 PM	Peak Integrated by Software
SSTDICC060	BG064751.D	Benzoic acid	Jagrut	11/14/2025 11:30:48 AM	Sohil	11/14/2025 12:23:12 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Benzoic acid	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICC080	BG064752.D	Caprolactam	Jagrut	11/14/2025 11:30:50 AM	Sohil	11/14/2025 12:23:14 PM	Peak Integrated by Software
SSTDICV040	BG064753.D	Benzoic acid	Jagrut	11/14/2025 11:30:53 AM	Sohil	11/14/2025 12:23:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG111225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	BG111725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064784.D	Benzoic acid	Jagrut	11/18/2025 11:27:50 AM	Sohil	11/18/2025 3:22:25 PM	Peak Integrated by Software
Q3649-08MS	BG064796.D	Caprolactam	Jagrut	11/18/2025 11:28:00 AM	Sohil	11/18/2025 3:22:43 PM	Peak Integrated by Software
Q3649-08MSD	BG064797.D	Caprolactam	Jagrut	11/18/2025 11:28:04 AM	Sohil	11/18/2025 3:22:49 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM				
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM				
SubDirectory	BF110525	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144168.D	05 Nov 2025 12:21	RC/JU	Ok
2	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50	RC/JU	Ok
3	SSTDICC005	BF144170.D	05 Nov 2025 13:20	RC/JU	Ok,M
4	SSTDICC010	BF144171.D	05 Nov 2025 13:50	RC/JU	Ok
5	SSTDICC020	BF144172.D	05 Nov 2025 14:20	RC/JU	Ok
6	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	RC/JU	Ok
7	SSTDICC050	BF144174.D	05 Nov 2025 15:49	RC/JU	Ok
8	SSTDICC060	BF144175.D	05 Nov 2025 16:19	RC/JU	Ok
9	SSTDICC080	BF144176.D	05 Nov 2025 16:49	RC/JU	Ok
10	SSTDICV040	BF144177.D	05 Nov 2025 17:21	RC/JU	Ok,M
11	PB170372BL	BF144178.D	05 Nov 2025 18:10	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 # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM				
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM				
SubDirectory	BF111725	HP Acquire Method	BNA_F		HP Processing Method	BF110525	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144262.D	17 Nov 2025 12:22	RC/JU	Ok
2	SSTDCCC040	BF144263.D	17 Nov 2025 12:52	RC/JU	Ok,M
3	PB170576BL	BF144264.D	17 Nov 2025 13:21	RC/JU	Ok
4	PB170576BS	BF144265.D	17 Nov 2025 13:52	RC/JU	Ok,M
5	Q3645-01	BF144266.D	17 Nov 2025 14:29	RC/JU	Ok,M
6	Q3648-01	BF144267.D	17 Nov 2025 14:59	RC/JU	Dilution
7	Q3646-01	BF144268.D	17 Nov 2025 15:29	RC/JU	Ok,M
8	Q3638-01	BF144269.D	17 Nov 2025 15:59	RC/JU	Ok,M
9	Q3638-03	BF144270.D	17 Nov 2025 16:28	RC/JU	Ok,M
10	Q3641-01	BF144271.D	17 Nov 2025 16:58	RC/JU	ReRun
11	Q3649-03	BF144272.D	17 Nov 2025 17:28	RC/JU	Ok,M
12	Q3648-01DL	BF144273.D	17 Nov 2025 17:58	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_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM				
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM				
SubDirectory	BG111225	HP Acquire Method	BNA_G		HP Processing Method	BG111225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064744.D	12 Nov 2025 10:37	RC/JU	Ok
2	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17	RC/JU	Ok
3	SSTDICC005	BG064746.D	12 Nov 2025 11:58	RC/JU	Ok,M
4	SSTDICC010	BG064747.D	12 Nov 2025 12:39	RC/JU	Ok,M
5	SSTDICC020	BG064748.D	12 Nov 2025 13:20	RC/JU	Ok,M
6	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	RC/JU	Ok,M
7	SSTDICC050	BG064750.D	12 Nov 2025 14:41	RC/JU	Ok,M
8	SSTDICC060	BG064751.D	12 Nov 2025 15:23	RC/JU	Ok,M
9	SSTDICC080	BG064752.D	12 Nov 2025 16:04	RC/JU	Ok,M
10	SSTDICV040	BG064753.D	12 Nov 2025 16:45	RC/JU	Ok,M
11	PB170478BL	BG064754.D	12 Nov 2025 17:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM				
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM				
SubDirectory	BG111725	HP Acquire Method	BNA_G		HP Processing Method	BG111225	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064783.D	17 Nov 2025 12:42	RC/JU	Ok
2	SSTDCCC040	BG064784.D	17 Nov 2025 13:23	RC/JU	Ok,M
3	PB170586BL	BG064785.D	17 Nov 2025 15:18	RC/JU	Ok
4	PB170586BS	BG064786.D	17 Nov 2025 15:58	RC/JU	Ok,M
5	PB170544TB	BG064787.D	17 Nov 2025 16:39	RC/JU	Ok
6	Q3628-04	BG064788.D	17 Nov 2025 17:23	RC/JU	Ok
7	Q3628-04MS	BG064789.D	17 Nov 2025 18:04	RC/JU	Ok,M
8	Q3628-04MSD	BG064790.D	17 Nov 2025 18:45	RC/JU	Ok,M
9	Q3647-02	BG064791.D	17 Nov 2025 19:26	RC/JU	Ok
10	Q3649-06	BG064792.D	17 Nov 2025 20:07	RC/JU	Ok
11	Q3647-01	BG064793.D	17 Nov 2025 20:48	RC/JU	Ok
12	Q3649-01	BG064794.D	17 Nov 2025 21:28	RC/JU	Ok
13	Q3649-08	BG064795.D	17 Nov 2025 22:09	RC/JU	Ok
14	Q3649-08MS	BG064796.D	17 Nov 2025 22:50	RC/JU	Ok,M
15	Q3649-08MSD	BG064797.D	17 Nov 2025 23:31	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 # BF110525

Review By	rahul	Review On	11/5/2025 2:56:50 PM		
Supervise By	Jagrut	Supervise On	11/6/2025 10:21:33 AM		
SubDirectory	BF110525	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144168.D	05 Nov 2025 12:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF144169.D	05 Nov 2025 12:50		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF144170.D	05 Nov 2025 13:20		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF144171.D	05 Nov 2025 13:50		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF144172.D	05 Nov 2025 14:20		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF144173.D	05 Nov 2025 14:50	Compound #41 kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF144174.D	05 Nov 2025 15:49		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF144175.D	05 Nov 2025 16:19		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF144176.D	05 Nov 2025 16:49		RC/JU	Ok
10	SSTDICV040	ICVBF110525	BF144177.D	05 Nov 2025 17:21		RC/JU	Ok,M
11	PB170372BL	PB170372BL	BF144178.D	05 Nov 2025 18:10		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 # BF111725

Review By	Jagrut	Review On	11/18/2025 11:29:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:24:16 PM		
SubDirectory	BF111725	HP Acquire Method	BNA_F	HP Processing Method	BF110525

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF144262.D	17 Nov 2025 12:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144263.D	17 Nov 2025 12:52		RC/JU	Ok,M
3	PB170576BL	PB170576BL	BF144264.D	17 Nov 2025 13:21		RC/JU	Ok
4	PB170576BS	PB170576BS	BF144265.D	17 Nov 2025 13:52		RC/JU	Ok,M
5	Q3645-01	HD-02-11142025	BF144266.D	17 Nov 2025 14:29		RC/JU	Ok,M
6	Q3648-01	OR-02-111425	BF144267.D	17 Nov 2025 14:59	Need further 5X dilution	RC/JU	Dilution
7	Q3646-01	SU-03-11142025	BF144268.D	17 Nov 2025 15:29		RC/JU	Ok,M
8	Q3638-01	MOO-25-0327	BF144269.D	17 Nov 2025 15:59		RC/JU	Ok,M
9	Q3638-03	MOO-25-0328	BF144270.D	17 Nov 2025 16:28	Surrogate fail	RC/JU	Ok,M
10	Q3641-01	TR-05-111325	BF144271.D	17 Nov 2025 16:58	Surrogates failed. - RE-EXTRACTION.	RC/JU	ReRun
11	Q3649-03	DUPE-0.0-0.5-2025111	BF144272.D	17 Nov 2025 17:28		RC/JU	Ok,M
12	Q3648-01DL	OR-02-111425DL	BF144273.D	17 Nov 2025 17:58		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_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111225

Review By	rahul	Review On	11/12/2025 2:27:04 PM		
Supervise By	Sohil	Supervise On	11/14/2025 12:24:17 PM		
SubDirectory	BG111225	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13182,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064744.D	12 Nov 2025 10:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064745.D	12 Nov 2025 11:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064746.D	12 Nov 2025 11:58		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064747.D	12 Nov 2025 12:39		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064748.D	12 Nov 2025 13:20		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064749.D	12 Nov 2025 14:00	Compound#32,54,70 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064750.D	12 Nov 2025 14:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064751.D	12 Nov 2025 15:23		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064752.D	12 Nov 2025 16:04		RC/JU	Ok,M
10	SSTDICV040	ICVBG111225	BG064753.D	12 Nov 2025 16:45		RC/JU	Ok,M
11	PB170478BL	PB170478BL	BG064754.D	12 Nov 2025 17:26		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG111725

Review By	Jagrut	Review On	11/18/2025 11:28:26 AM		
Supervise By	Sohil	Supervise On	11/18/2025 3:22:57 PM		
SubDirectory	BG111725	HP Acquire Method	BNA_G	HP Processing Method	BG111225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917
CCC	SP6913
Internal Standard/PEM	S13183,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064783.D	17 Nov 2025 12:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064784.D	17 Nov 2025 13:23		RC/JU	Ok,M
3	PB170586BL	PB170586BL	BG064785.D	17 Nov 2025 15:18		RC/JU	Ok
4	PB170586BS	PB170586BS	BG064786.D	17 Nov 2025 15:58		RC/JU	Ok,M
5	PB170544TB	PB170544TB	BG064787.D	17 Nov 2025 16:39		RC/JU	Ok
6	Q3628-04	TP-5	BG064788.D	17 Nov 2025 17:23		RC/JU	Ok
7	Q3628-04MS	TP-5MS	BG064789.D	17 Nov 2025 18:04		RC/JU	Ok,M
8	Q3628-04MSD	TP-5MSD	BG064790.D	17 Nov 2025 18:45		RC/JU	Ok,M
9	Q3647-02	VNJ-212	BG064791.D	17 Nov 2025 19:26		RC/JU	Ok
10	Q3649-06	B4-0.0-0.5-20251114	BG064792.D	17 Nov 2025 20:07		RC/JU	Ok
11	Q3647-01	VNJ-212	BG064793.D	17 Nov 2025 20:48		RC/JU	Ok
12	Q3649-01	B5-0.0-0.5-20251114	BG064794.D	17 Nov 2025 21:28		RC/JU	Ok
13	Q3649-08	B3-0.0-0.5-20251114	BG064795.D	17 Nov 2025 22:09		RC/JU	Ok
14	Q3649-08MS	B3-0.0-0.5-20251114MS	BG064796.D	17 Nov 2025 22:50		RC/JU	Ok,M
15	Q3649-08MSD	B3-0.0-0.5-20251114MS	BG064797.D	17 Nov 2025 23:31		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137900

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3635-01	40635	1	1.00	1.00	2.00	2.00	100.0	debris
Q3635-02	40617	2	1.00	1.00	2.00	2.00	100.0	oil sample
Q3636-01	AUD-25-0114	3	1.15	10.21	11.36	10.28	89.4	
Q3637-01	BUR-25-0100	4	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3637-02	BUR-25-0100	5	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3638-01	MOO-25-0327	6	1.17	10.24	11.41	6.36	50.7	
Q3638-03	MOO-25-0328	7	1.16	10.37	11.53	10.94	94.3	
Q3639-01	L66A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-02	L66B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-03	L67A	10	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-04	L67B	11	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-05	L68A	12	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-06	L68B	13	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-07	L69A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-08	L69B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-09	L70A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-10	L70B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-11	L71A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-12	L71B	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-13	L72A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-14	L72B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-15	STG15-1-1	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3639-16	STG15-1-2	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3640-01	LAW-25-0179	24	1.14	10.16	11.3	9.4	81.3	
Q3640-02	LAW-25-0179-0180	25	1.19	10.47	11.66	10.81	91.9	
Q3640-03	LAW-25-0182	26	1.18	10.35	11.53	10.62	91.2	
Q3641-01	TR-05-111325	27	1.11	10.23	11.34	10.74	94.1	
Q3641-01D	TR-05-111325DUP	28	1.14	10.21	11.35	10.75	94.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 11/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:27
Out Date: 11/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137900

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3641-02	TR-05-111325-E2	29	1.14	10.73	11.87	11.44	96.0	
Q3643-05	SVOC-GPC-BLANK	37	1.00	1.00	2.00	2.00	100.0	
Q3643-06	PEST-GPC-BLANK	38	1.00	1.00	2.00	2.00	100.0	
Q3643-07	PEST-GPC-BLANK-SPIKE	39	1.00	1.00	2.00	2.00	100.0	
Q3643-08	SVOC-GPC2-BLANK	40	1.00	1.00	2.00	2.00	100.0	
Q3643-09	PEST-GPC2-BLANK	41	1.00	1.00	2.00	2.00	100.0	
Q3643-10	PEST -GPC2-BLANK-SPIKE	42	1.00	1.00	2.00	2.00	100.0	
Q3645-01	HD-02-11142025	30	1.18	10.50	11.68	11.02	93.7	
Q3645-02	HD-02-11142025-E2	31	1.19	10.43	11.62	10.75	91.7	
Q3646-01	SU-03-11142025	32	1.11	10.26	11.37	10.38	90.4	
Q3646-02	SU-03-11142025-E2	33	1.18	11.13	12.31	11.35	91.4	
Q3647-01	VNJ-212	34	1.18	10.39	11.57	11.07	95.2	
Q3648-01	OR-02-111425	35	1.17	10.59	11.76	10.75	90.5	
Q3648-02	OR-02-111425-E2	36	1.14	10.78	11.92	10.96	91.1	
Q3649-01	B5-0.0-0.5-20251114	43	1.14	10.38	11.52	10.54	90.6	
Q3649-02	B5-0.5-1.0-20251114	44	1.16	10.61	11.77	10.8	90.9	
Q3649-03	DUPE-0.0-0.5-20251114	45	1.19	10.18	11.37	10.00	86.5	
Q3649-04	DUPE-0.5-1.0-20251114	46	1.11	10.07	11.18	10.04	88.7	
Q3649-05	B4-0.05-1.0-20251114	47	1.19	10.57	11.76	10.7	90.0	
Q3649-06	B4-0.0-0.5-20251114	48	1.14	10.54	11.68	10.77	91.4	
Q3649-07	B4-0.0-0.5-20251114	49	1.14	10.54	11.68	10.77	91.4	
Q3649-08	B3-0.0-0.5-20251114	50	1.16	10.61	11.77	10.28	86.0	
Q3649-09	B3-0.5-1.0-20251114	51	1.13	10.45	11.58	10.45	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 137900

WorkList Name : %1-111425 **WorkList ID :** 193119 **Department :** Wet-Chemistry **Date :** 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3635-01	40635	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3635-02	40617	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3636-01	AUD-25-0114	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-01	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3637-02	BUR-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-01	MOO-25-0327	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3638-03	MOO-25-0328	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-01	L66A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-02	L66B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-03	L67A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-04	L67B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-05	L68A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-06	L68B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-07	L69A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-08	L69B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-09	L70A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-10	L70B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-11	L71A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-12	L71B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-13	L72A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-14	L72B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO

Date/Time 11-14-25 15:25

Raw Sample Received by: SO WC

Raw Sample Relinquished by: SM

Date/Time 11-14-25 17:40

Raw Sample Received by: SM

Raw Sample Relinquished by: SO WC

WORKLIST(Hardcopy Internal Chain)

VB 137900

WorkList Name : %1-111425 **WorkList ID :** 193119 **Department :** Wet-Chemistry **Date :** 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3639-15	STG15-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3639-16	STG15-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-01	LAW-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-02	LAW-25-0179-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3640-03	LAW-25-0182	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/13/2025	Chemtech -SO
Q3641-01	TR-05-111325	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3641-02	TR-05-111325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/13/2025	Chemtech -SO
Q3643-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3643-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	A12	11/07/2025	Chemtech -SO
Q3645-01	HD-02-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3645-02	HD-02-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	11/14/2025	Chemtech -SO
Q3646-01	SU-03-11142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3646-02	SU-03-11142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	11/14/2025	Chemtech -SO
Q3647-01	VNJ-212	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	11/14/2025	Chemtech -SO
Q3648-01	OR-02-111425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3648-02	OR-02-111425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	11/14/2025	Chemtech -SO
Q3649-01	B5-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 1512-25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11-14-25 1740

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

JB 137900

WorkList Name : %1-111425 **WorkList ID :** 193119 **Department :** Wet-Chemistry **Date :** 11-14-2025 09:33:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3649-02	B5-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-03	DUPE-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-04	DUPE-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-05	B4-0.05-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-06	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-07	B4-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-08	B3-0.0-0.5-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO
Q3649-09	B3-0.5-1.0-20251114	Solid	Percent Solids	Cool 4 deg C	HDRI08	D41	11/14/2025	Chemtech -SO

Date/Time 11-14-25 15:25

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 11-14-25 17:40

Raw Sample Received by: SM

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170576

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/17/2025

Extraction Start Time : 09:30

Extraction End Date : 11/17/2025

Extraction End Time : 12:45

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	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2659
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3986
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:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: N-EVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/17/25	RS (Ext lab)	JY/SVOC
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170576

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 11/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170576BL	SBLK576	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U4-1
PB170576BS	SLCS576	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q3638-01	MOO-25-0327	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E	Small Particles	3
Q3638-03	MOO-25-0328	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E	Small Particles	4
Q3641-01	TR-05-111325	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q3645-01	HD-02-11142025	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		6
Q3646-01	SU-03-11142025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		U6-1
Q3647-01	VNJ-212	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E	Concrete	2
Q3648-01	OR-02-111425	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3
Q3649-01	B5-0.0-0.5-20251114	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		4
Q3649-03	DUPE-0.0-0.5-20251114	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	B		5
Q3649-06	B4-0.0-0.5-20251114	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		6
Q3649-08	B3-0.0-0.5-20251114	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		U1-1
Q3649-08MS	B3-0.0-0.5-20251114MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		2
Q3649-08MS D	B3-0.0-0.5-20251114MS D	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		3

*** Extracts relinquished on the same date as received.**

17057 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3645 **WorkList ID :** 193147 **Department :** Extraction **Date :** 11-17-2025 09:00:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3638-01	MOO-25-0327	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3638-03	MOO-25-0328	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/13/2025	8270E
Q3641-01	TR-05-111325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/13/2025	8270E
Q3645-01	HD-02-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D51	11/14/2025	8270E
Q3646-01	SU-03-11142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	11/14/2025	8270E
Q3647-01	VNJ-212	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	11/14/2025	8270E
Q3648-01	OR-02-111425	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	11/14/2025	8270E
Q3649-01	B5-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-03	DUPE-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-06	B4-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E
Q3649-08	B3-0.0-0.5-20251114	Solid	SVOC-TCL BNA -20	Cool 4 deg C	HDRI08	D41	11/14/2025	8270E

Date/Time 11/17/25 9:25
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by:

Date/Time 11/17/25 9:47
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q3649

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170576,

Sequence ID/Qc Batch ID: BF111725,BG111725,

Standard ID :
EP2655,EP2659,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6869,SP6871,SP6872,SP6875,SP6895,SP6909,SP6910,SP6911,SP6912,SP6913,SP6914,SP6915,SP6916,SP6917,

Chemical ID :
10ul/1000ul sample,E3875,E3951,E3954,E3965,E3973,E3979,E3980,E3982,E3986,S11073,S11485,S11652,S11807,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12246,S12306,S12307,S12309,S12560,S12561,S12562,S12563,S12577,S12739,S12740,S12776,S12777,S12903,S12904,S12905,S13097,S13098,S13099,S13100,S13101,S13121,S13122,S13149,S13160,S13170,S13175,S13182,S13183,S13207,S13214,S13215,S13232,S13233,S13244,S13245,S13246,S13247,S13248,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2655	10/24/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/24/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2659	11/03/2025	04/16/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 11/03/2025

FROM 8000.00000ml of E3980 + 8000.00000ml of E3982 = Final Quantity: 16000.000 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

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	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = 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
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6895	10/16/2025	11/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 10/16/2025

FROM 0.20000ml of S11485 + 0.20000ml of S11652 + 0.20000ml of S13149 + 0.20000ml of S13160 + 0.20000ml of S13207 + 0.20000ml of S13244 + 0.40000ml of S13101 + 0.70000ml of S13097 + 1.10000ml of S12560 + 1.20000ml of S13122 + 1.20000ml of S13245 + 1.20000ml of S13246 + 1.20000ml of S13247 + 1.20000ml of S13248 + 1.30000ml of S12561 + 1.30000ml of S12562 + 1.30000ml of S12563 + 1.30000ml of S13098 + 1.30000ml of S13099 + 1.30000ml of S13100 + 1.30000ml of S13121 + 81.50000ml of E3979 = Final Quantity: 100.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6909	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.04000ml of S13207 + 0.05000ml of S13232 + 0.15000ml of S13214 + 0.20000ml of S12201 + 0.35000ml of S13215 + 0.40000ml of S12905 + 0.45000ml of S13233 + 0.50000ml of S12246 + 0.50000ml of S12777 + 0.50000ml of S13122 + 1.00000ml of S12309 + 1.00000ml of S12740 + 4.86000ml of E3980 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6910	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.20000ml of E3980 + 0.80000ml of SP6909 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6911	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.40000ml of E3980 + 0.60000ml of SP6909 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6912	11/11/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.87500ml of E3980 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6913	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.60000ml of E3980 + 0.40000ml of SP6909 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6914	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.80000ml of E3980 + 0.20000ml of SP6909 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6915	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.75000ml of E3980 + 0.25000ml of SP6913 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6916	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.87500ml of E3980 + 0.12500ml of SP6913 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6917	11/11/2025	01/31/2026	Jagrut Upadhyay	None	None	mohammad ahmed 11/13/2025

FROM 0.01000ml of S13182 + 0.50000ml of E3980 + 0.50000ml of SP6916 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

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)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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)	24L1062001	10/04/2027	10/15/2025 / RITESHKUMAR	09/29/2025 / Riteshkumar	E3979

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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)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

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)	24L1062001	10/04/2027	10/31/2025 / RUPESH	10/31/2025 / RUPESH	E3982

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)	25C1262005	04/16/2026	11/14/2025 / RUPESH	11/05/2025 / RUPESH	E3986

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

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	04/16/2026	10/16/2025 / Jagrut	08/10/2023 / yogesh	S11485

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	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

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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	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

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	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

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	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

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	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	04/08/2026	10/08/2025 / Jagrut	05/14/2024 / Rahul	S12246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	11/07/2025 / Jagrut	05/30/2024 / Rahul	S12309

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

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	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12561

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	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12562

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	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12563

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	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/28/2026	11/07/2025 / Jagrut	10/08/2024 / anahy	S12740

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	04/08/2026	10/08/2025 / Jagrut	11/08/2024 / anahy	S12777

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	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

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	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

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	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

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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]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

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]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13098

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]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13099

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]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13100

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]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13101

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	A0218894	04/08/2026	10/08/2025 / Jagrut	05/20/2025 / Rahul	S13121

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	04/16/2026	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13122

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	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

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	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

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	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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	A0224359	05/07/2026	11/07/2025 / rahul	06/02/2025 / anahy	S13182

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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	A0224359	05/13/2026	11/13/2025 / rahul	06/02/2025 / anahy	S13183

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]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	05/07/2026	11/07/2025 / Jagrut	07/10/2025 / anahy	S13215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	05/07/2026	11/07/2025 / Jagrut	08/01/2025 / Rahul	S13232

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

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]	A0228451	03/23/2026	09/22/2025 / Jagrut	08/06/2025 / Rahul	S13245

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]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13246

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]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13247

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]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13248

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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Certificate of Analysis

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.

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)

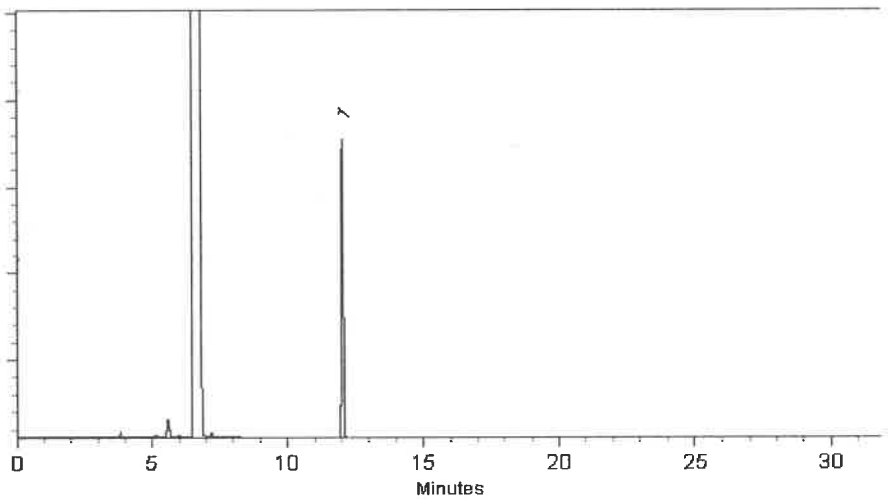
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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

Rec on 8/20/25

E3965

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

E 3875

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
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

RS 7/14/25

E3954

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date:2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.3 %
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

E3979

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.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
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	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 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

Rec. on 6/10/25 PJ

E3980

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.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date:2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.3 %
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

Received on 10/29/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3982

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.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
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	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 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

Received on 11/5/25

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3986

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

RESTEK

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.

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.

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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

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

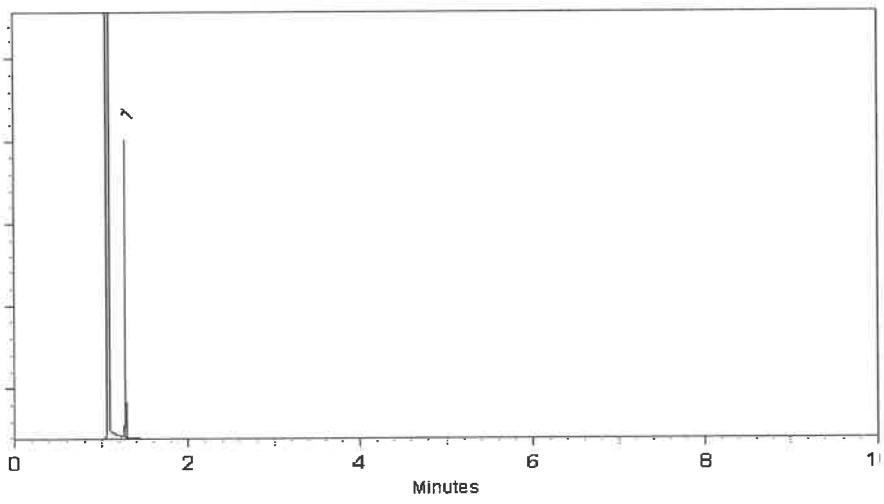
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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chromatographic plus

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Certificate #3222.01

ACCREDITED
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

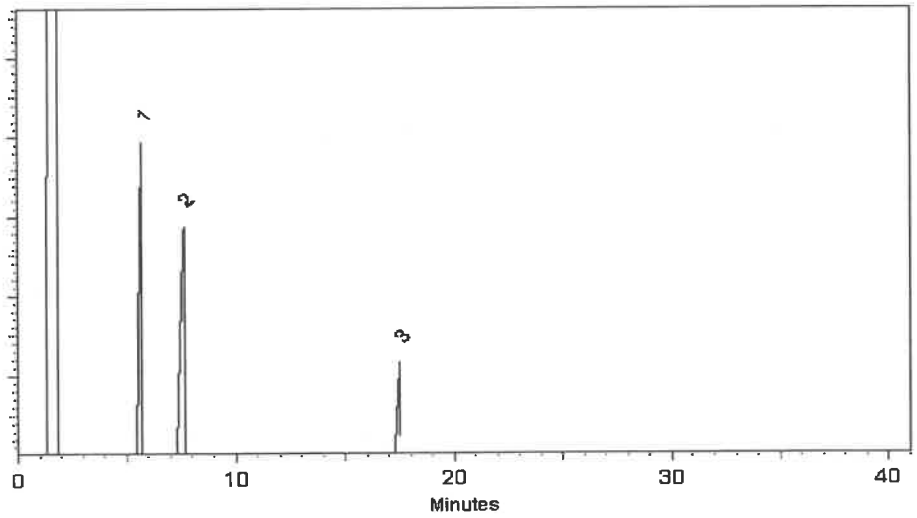
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

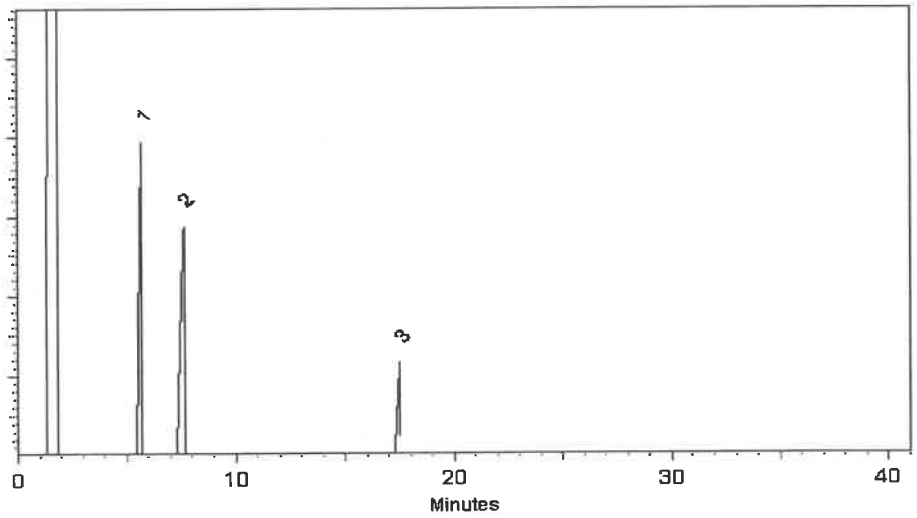
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

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.)

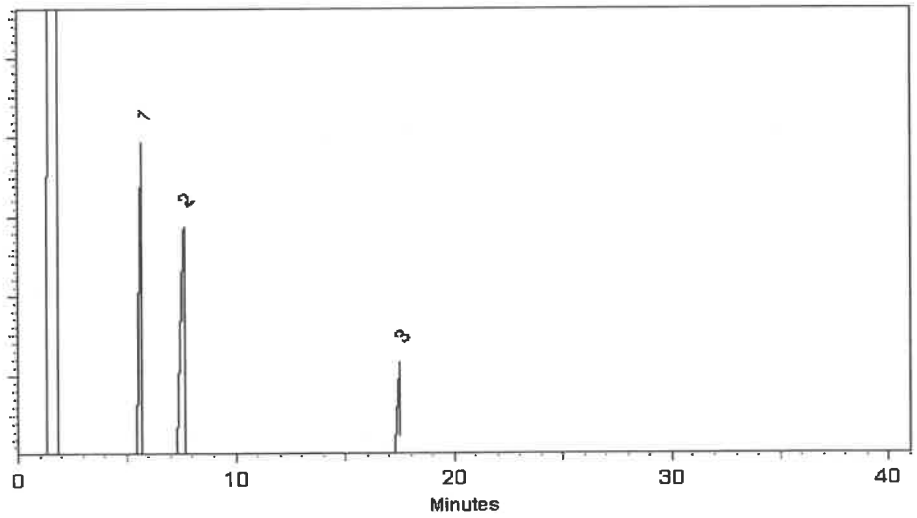
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

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.)

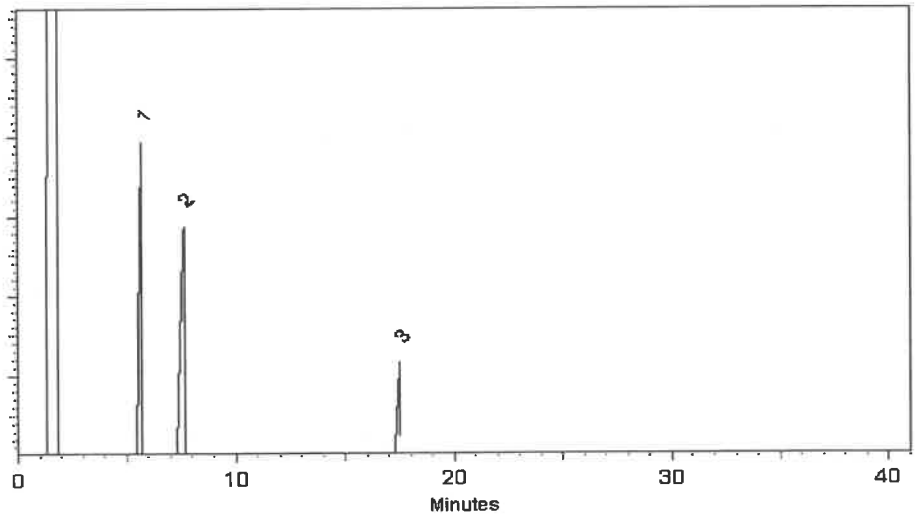
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

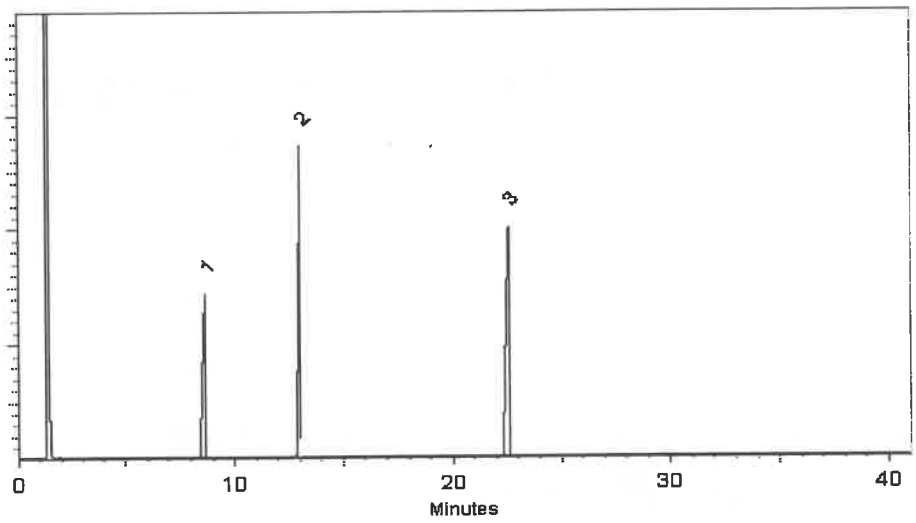
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

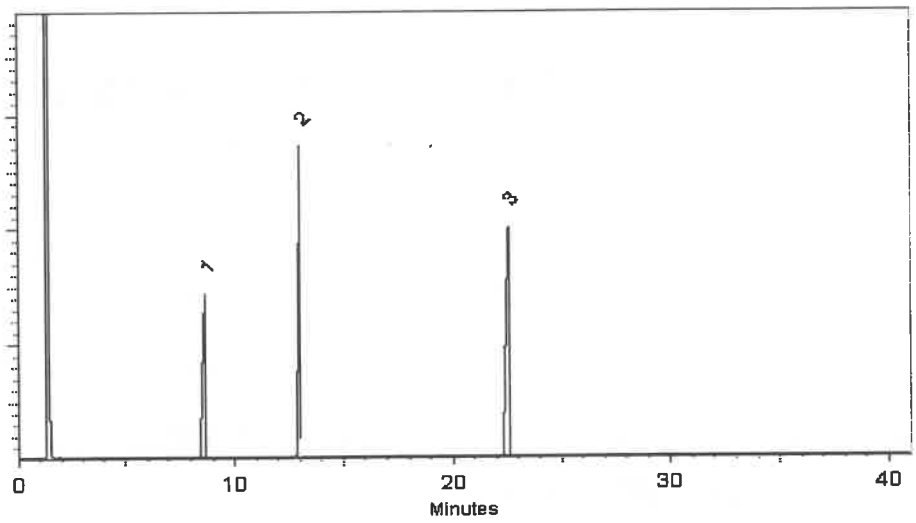
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

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%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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.)

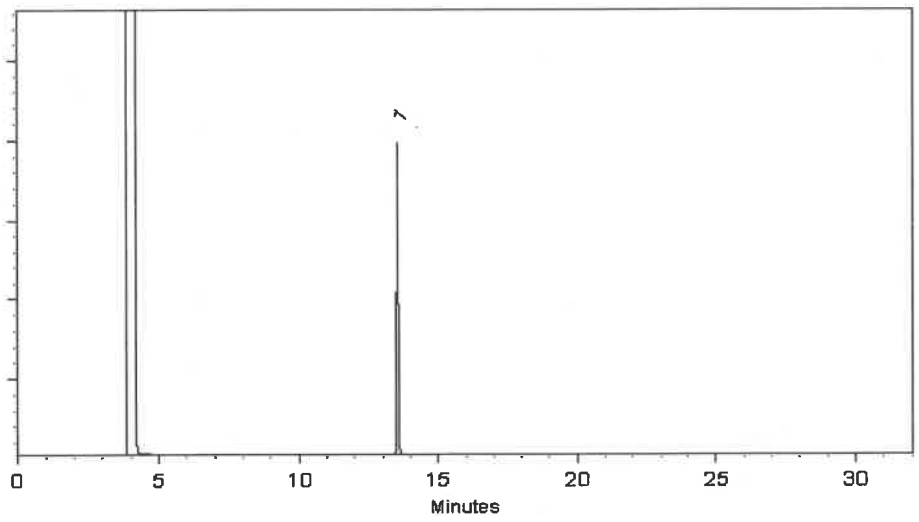
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 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: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

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%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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.)

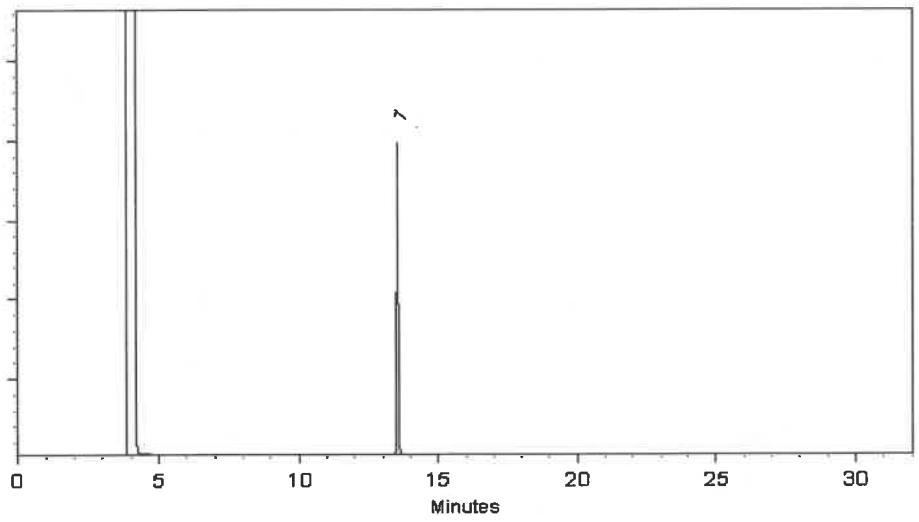
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* 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.)

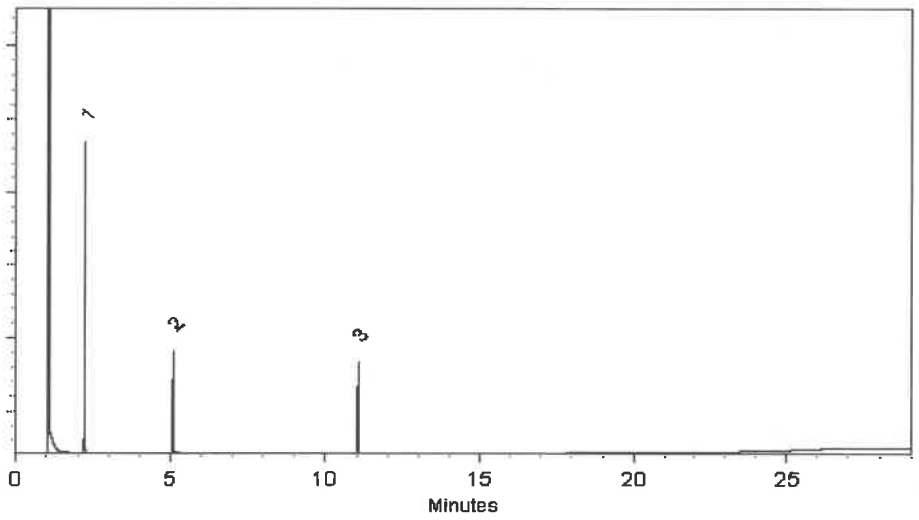
Inj. Temp:
250°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

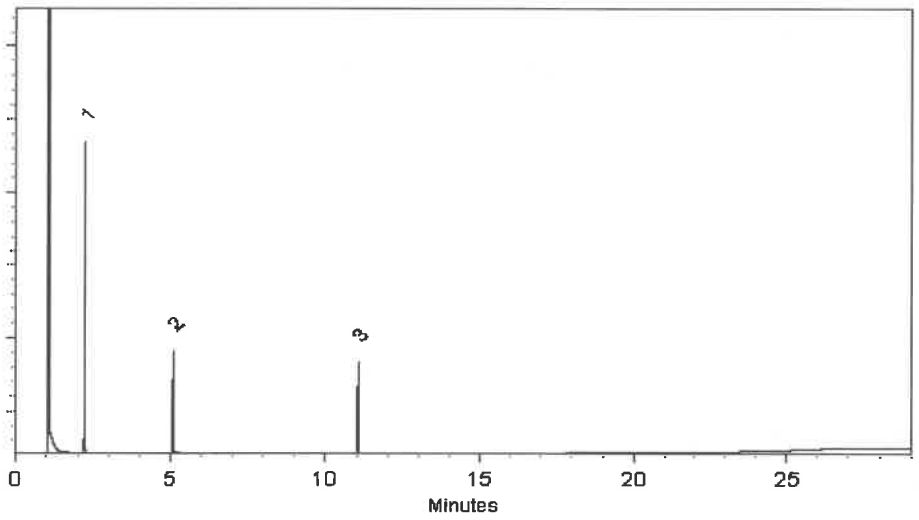
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

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S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

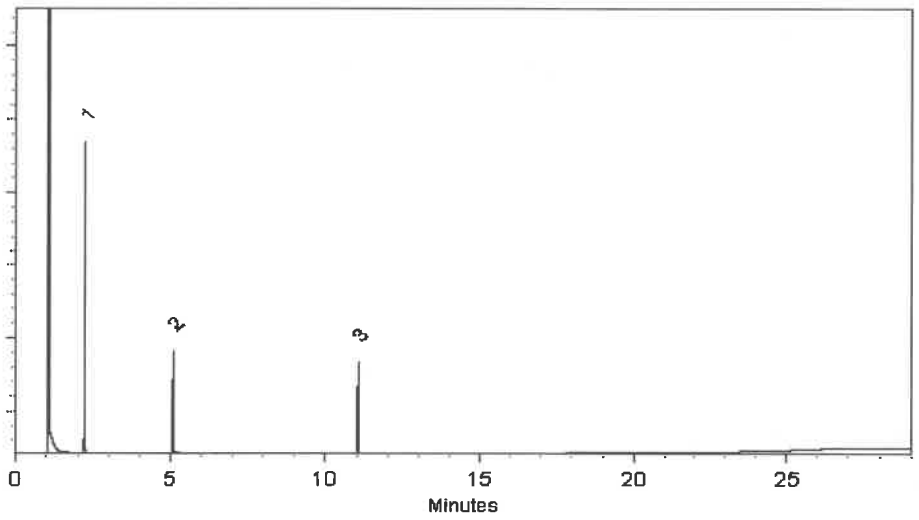
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 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

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Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 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:

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Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

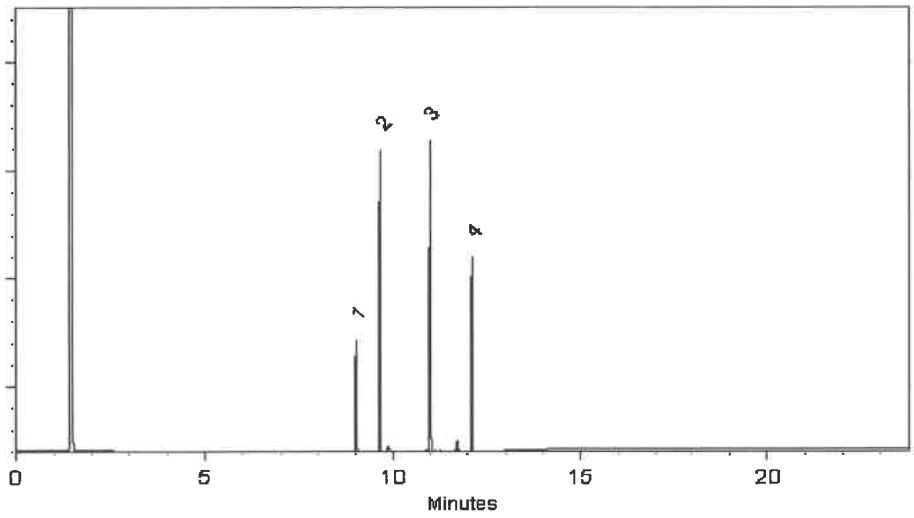
Inj. Temp:
250°C

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* 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.

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* 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.

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

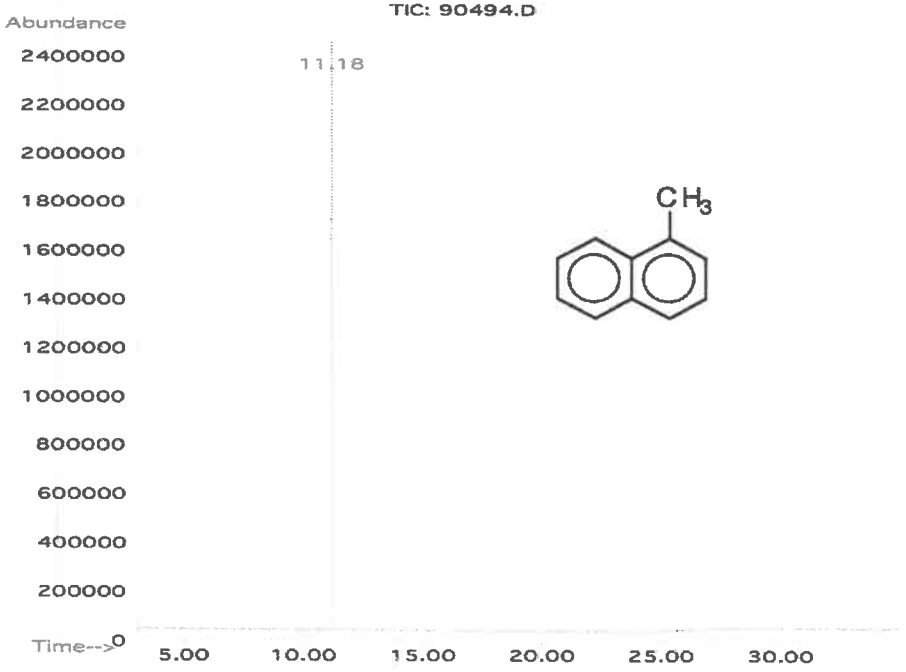
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

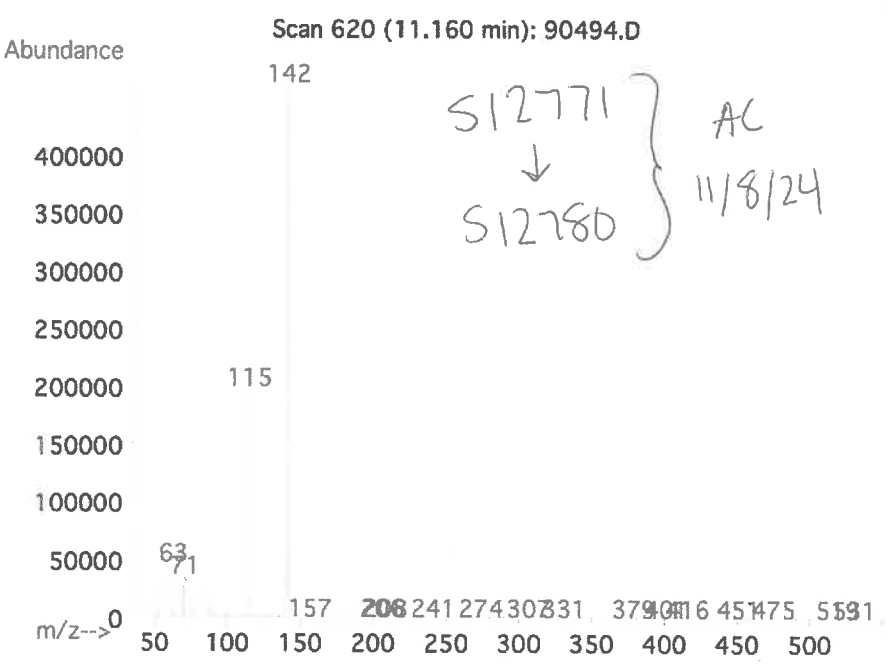
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By: Prashant Chauhan	061323 DATE
Reviewed By: Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

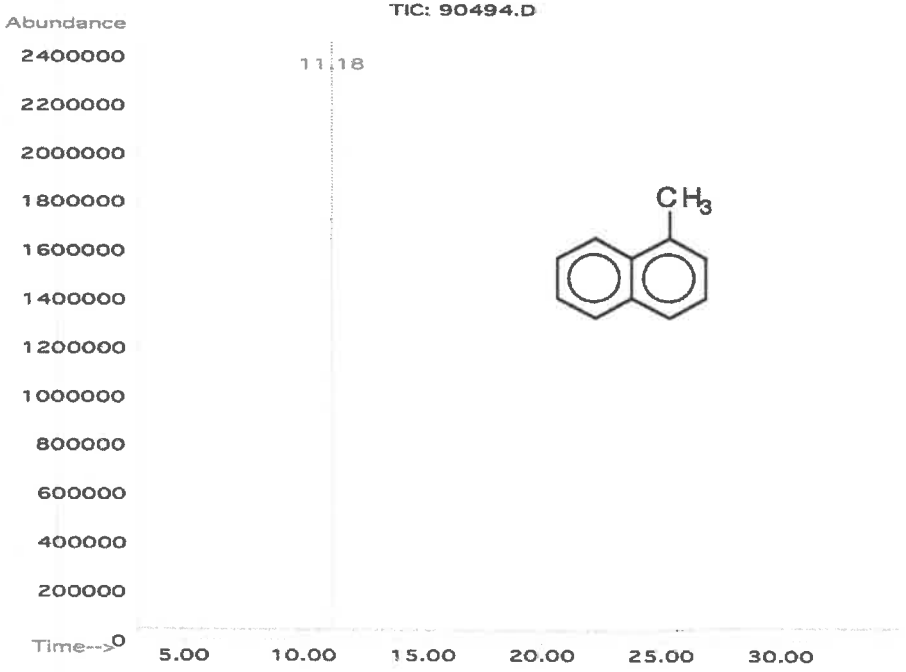
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

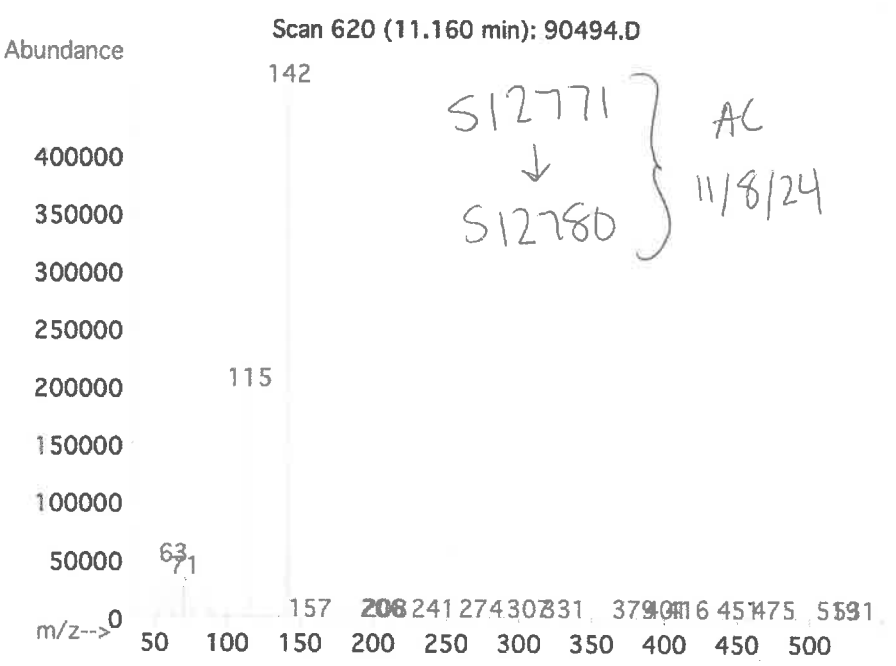
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By: Prashant Chauhan	061323 DATE
Reviewed By: Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
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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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

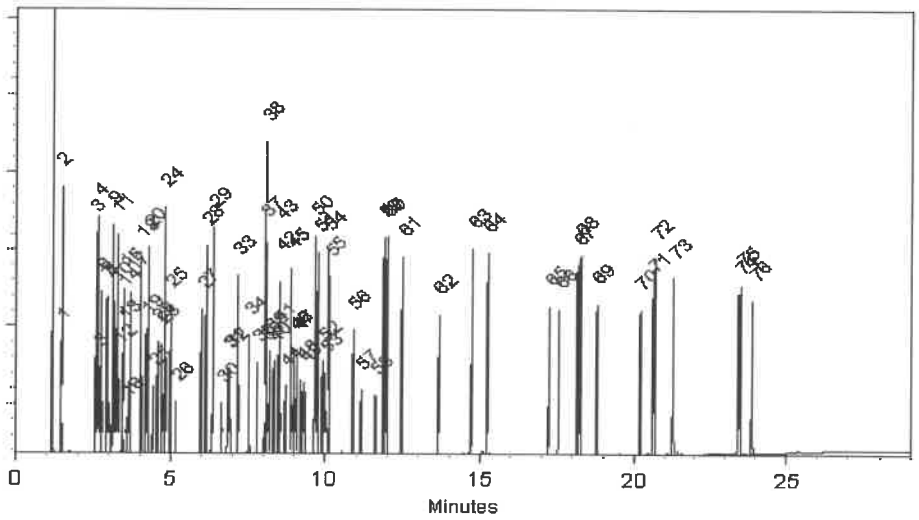
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

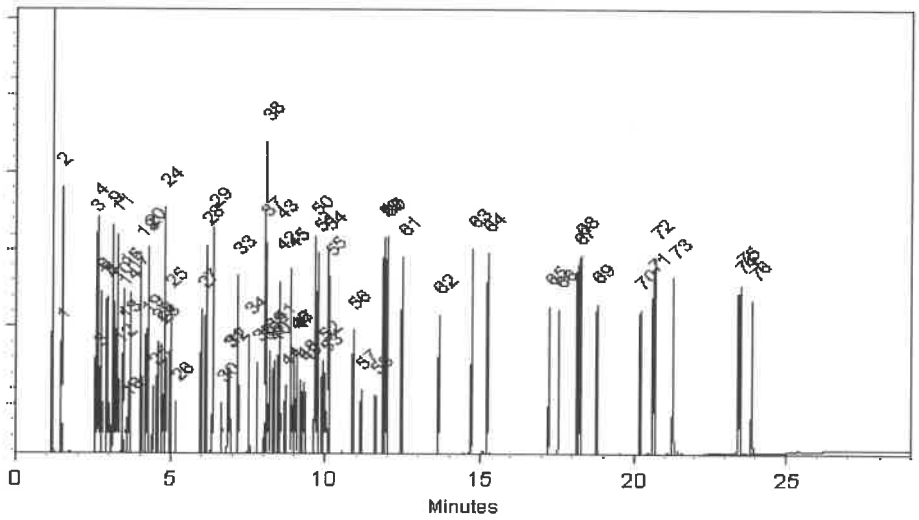
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

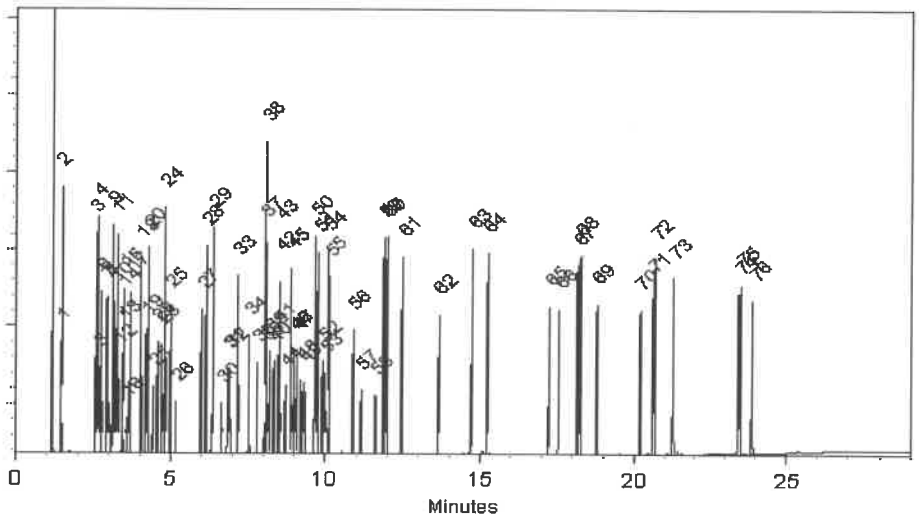
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

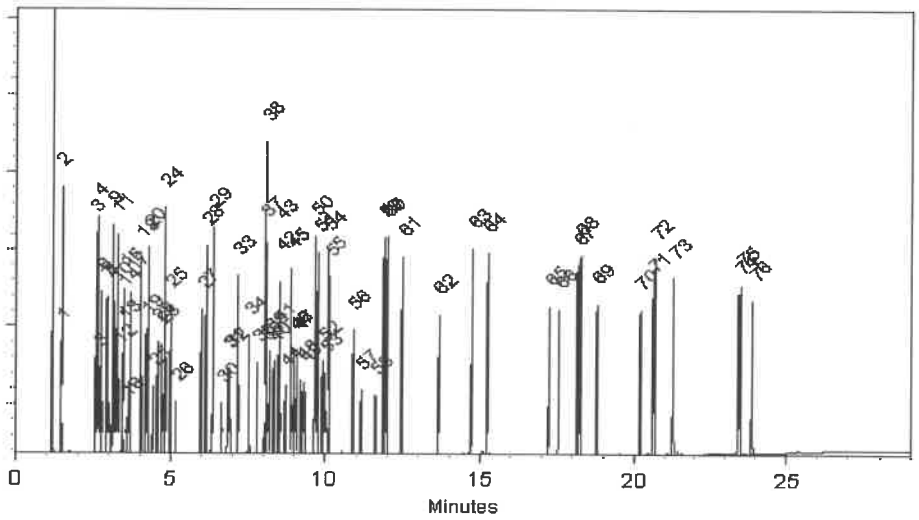
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

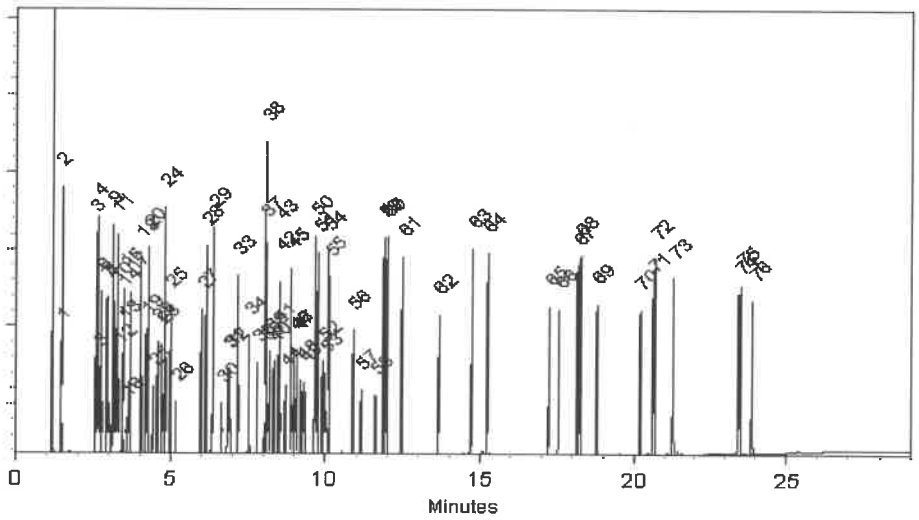
Inj. Temp:
250°C

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: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

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%	2,002.4 µg/mL	+/- 24.9202

* 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.)

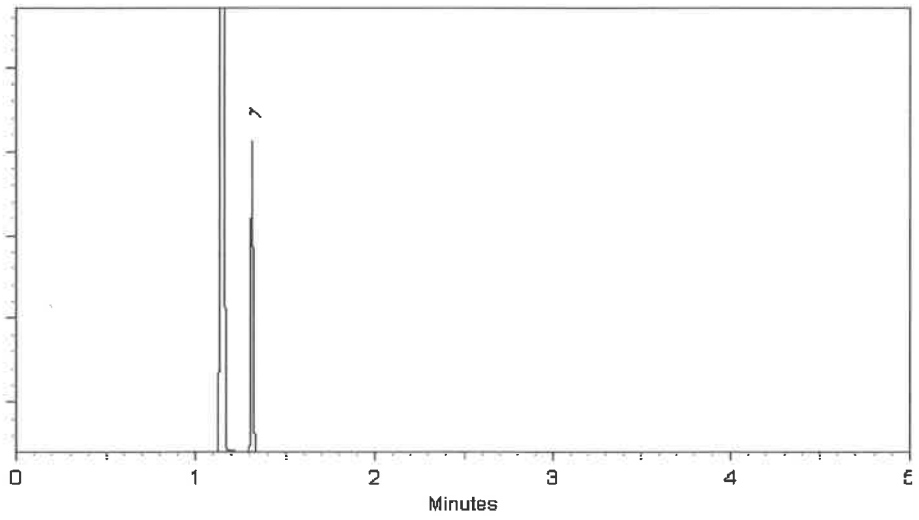
Inj. Temp:
250°C

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: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

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%	2,002.4 µg/mL	+/- 24.9202

* 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.)

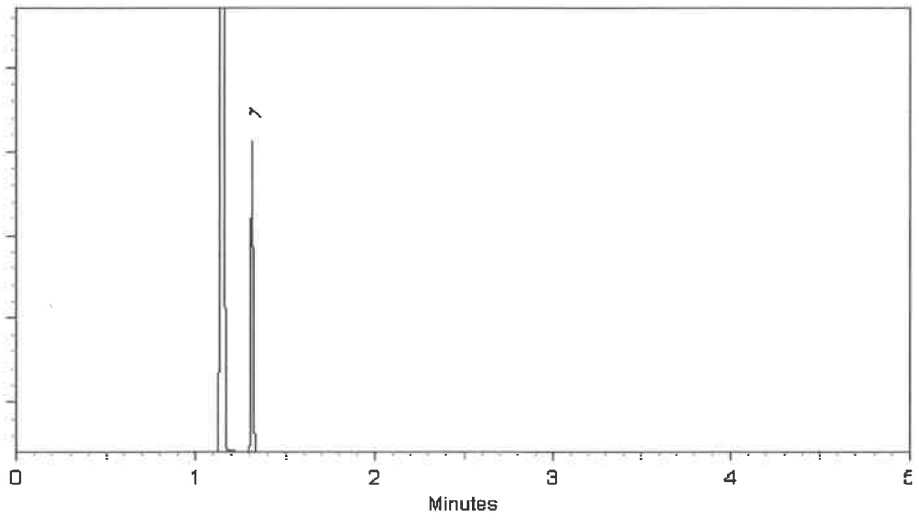
Inj. Temp:
250°C

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: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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 ↓ S13167 } RC/ 6/4/25

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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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S13198 → S13207 } AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

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, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 } RC/ 8/1/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 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	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* 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.)

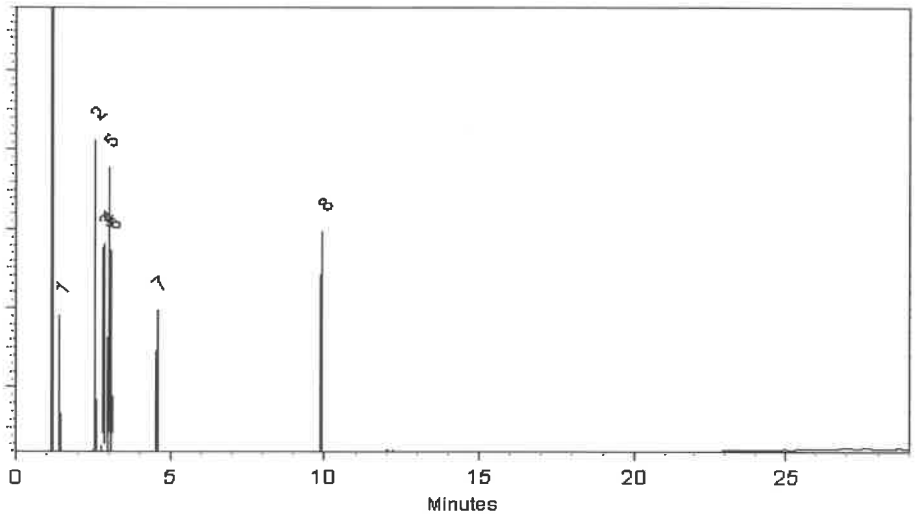
Inj. Temp:
250°C

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.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 } RC/ 8/1/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 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	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* 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.)

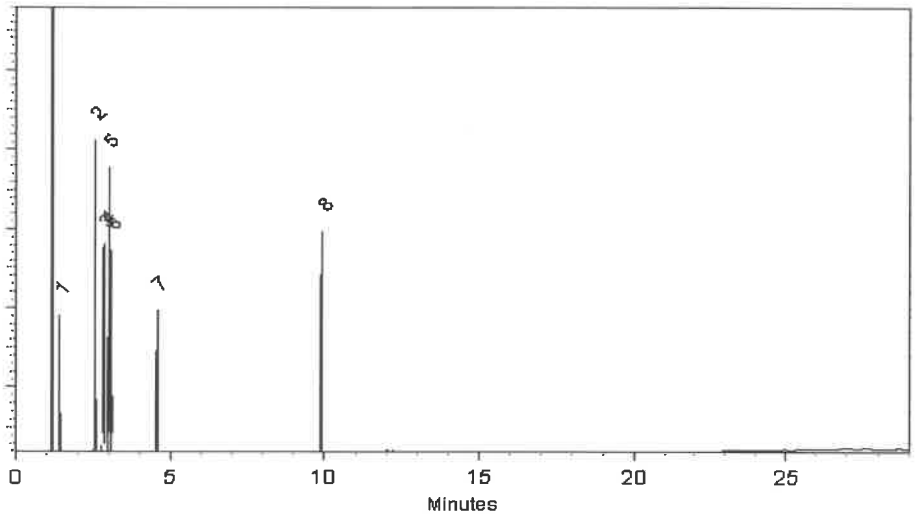
Inj. Temp:
250°C

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.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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(908) 789-8900 • Fax (908) 789-8922
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ALLIANCE PROJECT NO. Q3649
QUOTE NO.
COC Number 2044565

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: HDR
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wudden
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWC
PROJECT NO.: 10367568 LOCATION: Clifton, NJ
PROJECT MANAGER: Andrew Wudden
e-mail: Andrew.Wudden@HDRInc.com
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:
ADDRESS: 50 Tice Blvd Suite 210
CITY Woodcliff Lake STATE: NJ ZIP: 07677
ATTENTION: Andrew Wudden PHONE: 201-312-0752

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard TAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1. TCL VOCs
2. TCLP VOCs
3. Perchlorate (4606)
4. TAL Metals (Dissolved)
5. Cr6 (Hexavalent Chromium)
6. Total Cyanide (9014)
7. Reactive Cyanide and Reactive Sulfide
8. pH, Flashpoint, Corrosivity
9. Paint Filter

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
1.	B5-0.0-0.5-2025/11/4	S		X	11/14/25	1030	3		X	X	X						
2.	B5-0.5-1.0-2025/11/4			X		1355	4	X									
3.	Dup-0.0-0.5-2025/11/4			X		1230	3		X	X	X						
4.	Dup-0.5-1.0-2025/11/4			X		1220	4	X									
5.	B4-0.0-1.0-2025/11/4			X		1215	4	X									
6.	B4-0.0-0.5-2025/11/4			X		1225	6		X	X	X	X	X	X	X	X	
7.	B3-0.0-0.5-2025/11/4			X		1400	3		X	X	X						
8.	B3-0.5-1.0-2025/11/4			X		1355	4	X									
9.				X													
10.				X													

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		DATE/TIME
RELINQUISHED BY SAMPLER: 1. Zoom Rivera	11/14/25 1420	RECEIVED BY: 1.	11-14-25 1420
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 11-14-25 1500	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.4 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3649 HDRI08
Client Name : HDR, Inc.
Client Contact : Andrew Wadden
Invoice Name : HDR, Inc.
Invoice Contact : Andrew Wadden

Order Date : 11/14/2025 3:02:13 PM
Project Name : PVWC Linear Construction
Receive DateTime : 11/14/2025 3:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3649-02	B5-0.5-1.0-20251114	Solid	11/14/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-04	DUPE-0.5-1.0-20251114	Solid	11/14/2025	12:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-05	B4-0.05-1.0-20251114	Solid	11/14/2025	12:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3649-09	B3-0.5-1.0-20251114	Solid	11/14/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Terminated

stored in VOA Frz #02 & ref # 06 (i)

Relinguished By :
Date / Time : 11-14-25 1550

Received By :
Date / Time : 11-14-25 15:50

Storage Area : **VOA Refridgerator Room**